



ACER

Azienda Casa
EmiliaRomagna
della Provincia
Forlì-Cesena

Azienda con Sistema di Gestione certificato in
conformità alle Norme ISO 9001:2015

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**Finanziato
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COMUNE di FORLÌ

" PINQuA"

Programma Innovativo Nazionale per la Qualità dell'Abitare
cod. id. Pinqua 33 - cod. intervento 944

Progetto per la costruzione di un edificio di ERP comprendente
n. 28 alloggi, in via Autoparco Comune di Forlì.

oggetto:

RELAZIONE DI CALCOLO: TABULATI ANALISI CORPO A

COLLABORATORE ALLA PROGETTAZIONE

geom. SANDRA LUCCHI

aggiornamenti :

REVISIONE N.

data :

0 Aprile 2022

scala : varie

tav. n

PROGETTAZIONE

arch. PAOLO SEVERI

RESPONSABILE UNICO DEL PROCEDIMENTO

ing. PAOLO BERGONZONI

REDATTO DA:

ing. NICOLA CASADEI ROSSI

RC1

FORLI Via Autoparco_ NOLIAN- A2.0- Parametri

Generato mercoledì 1 giugno 2022 alle ore 13:08:40.
All-In-One EWS 52 (29.09.2021) build 8361
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COORDINATE E DATI DEI NODI (Fase 1)

Constraint - Master-Slave

ESTREMI E DATI DEGLI ELEMENTI (Fase 1)

ELEMENTI TIPO (Fase 1)

Tipi di carico

SPETTRI DI RISPOSTA

SLDh

SLVh

CARICHI UNIFORMI TIPO (Fase 1)

Condizione di carico: "#6 spinta delle terre" Tipo: "Permanente"

Condizione di carico: "#5 tamponamenti esterni" Tipo: "Permanente non strutt."

Condizione di carico: "#4 Accidentale neve" Tipo: "Neve (q<1000)"

Condizione di carico: "#3 Accidentale cat H" Tipo: "Cat. H: Copertura"

Condizione di carico: "#2 Accidentale cat A" Tipo: "Cat. A: Residenziale"

Condizione di carico: "#1 Permanenti portati e propri " Tipo: "Permanente non strutt."

PESI PROPRI TIPO (Fase 1)

Condizione di carico: "#1 Permanenti portati e propri " Tipo: "Permanente non strutt."

FORZE TIPO (Fase 1)

Condizione di carico: "Torcente di piano SLV" Tipo: "Torcente SLV"

Condizione di carico: "Torcente di piano SLD" Tipo: "Torcente SLD"

MASSE TIPO (Fase 1)

Dati di sintesi per piani

Spostamenti dinamici di piano

Risultanti sismiche di piano

Masse e dimensioni di piano

Rigidezza di piano

Altri parametri di piano

Parametri riassuntivi

INFORMAZIONI - ANALISI "_1718" (Fase 1)

INFORMAZIONI - ANALISI "_1743" (Fase 1)

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COEFFICIENTI DI PARTECIPAZIONE MODALE - ANALISI "_1743" (Fase 1)

MASSA MODALE RELATIVA - ANALISI "_1743" (Fase 1)

SMORZAMENTO MODALE - ANALISI "_1743" (Fase 1)

COORDINATE E DATI DEI NODI (Fase 1)

Nodo	x	y	z	tx	ty	tz	rx	ry	rz	ms	fz	mm
1	1.5000e+01	7.5200e+02	0.0000e+00	1	1	0	0	0	1	0	0	0
2	2.5565e+03	2.0165e+03	6.5900e+02	0	0	0	0	0	0	182	0	0
3	2.5565e+03	1.7930e+03	6.5900e+02	0	0	0	0	0	0	182	0	0
4	2.5565e+03	7.5200e+02	6.5900e+02	0	0	0	0	0	0	182	0	0
5	2.5565e+03	1.7930e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
6	2.5565e+03	2.0165e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
7	2.5565e+03	7.5200e+02	0.0000e+00	1	1	0	0	0	1	0	0	0
8	2.5565e+03	5.2850e+02	0.0000e+00	1	1	0	0	0	1	0	0	0
9	1.1265e+03	1.8230e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
10	1.1265e+03	1.4410e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
11	1.5935e+03	1.8230e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
12	1.5935e+03	1.4410e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
13	1.1415e+03	1.8080e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
14	1.4115e+03	1.8080e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
15	1.2735e+03	1.4570e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
16	1.2735e+03	1.6710e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
17	1.4465e+03	1.4570e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
18	1.4465e+03	1.6710e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
19	1.4354e+03	1.6597e+03	0.0000e+00	1	1	0	0	0	1	0	0	0

20	1.2835e+03	1.6610e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
21	3.2600e+02	2.0015e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
22	6.2850e+02	2.0015e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
23	9.5750e+02	2.0015e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
24	3.1809e+02	2.1200e+03	2.2000e+02	0	0	0	0	0	0	0	0	0
25	2.5560e+03	2.1200e+03	3.3000e+02	0	0	0	0	0	0	181	0	0
26	1.9185e+03	2.0015e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
27	2.2365e+03	2.0015e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
28	2.2365e+03	1.8080e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
29	1.9185e+03	1.8080e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
30	6.3900e+02	1.8080e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
31	9.5750e+02	1.8080e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
32	3.2600e+02	1.2890e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
33	6.3900e+02	1.2890e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
34	9.5750e+02	1.2890e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
35	1.2825e+03	1.2890e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
36	1.6005e+03	1.2890e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
37	1.9185e+03	1.2890e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
38	2.2365e+03	1.2890e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
39	2.5515e+03	1.2890e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
40	3.2600e+02	5.4350e+02	0.0000e+00	1	1	0	0	0	1	0	0	0
41	6.3900e+02	5.4350e+02	0.0000e+00	1	1	0	0	0	1	0	0	0
42	9.5750e+02	7.3700e+02	0.0000e+00	1	1	0	0	0	1	0	0	0
43	9.4700e+02	5.4350e+02	0.0000e+00	1	1	0	0	0	1	0	0	0
44	1.2825e+03	7.3700e+02	0.0000e+00	1	1	0	0	0	1	0	0	0
45	1.6005e+03	7.3700e+02	0.0000e+00	1	1	0	0	0	1	0	0	0
46	1.9185e+03	7.3700e+02	0.0000e+00	1	1	0	0	0	1	0	0	0
47	2.2365e+03	7.3700e+02	0.0000e+00	1	1	0	0	0	1	0	0	0
48	1.2825e+03	5.4350e+02	0.0000e+00	1	1	0	0	0	1	0	0	0
49	1.6005e+03	5.4350e+02	0.0000e+00	1	1	0	0	0	1	0	0	0
50	1.9185e+03	5.4350e+02	0.0000e+00	1	1	0	0	0	1	0	0	0
51	2.2365e+03	5.4350e+02	0.0000e+00	1	1	0	0	0	1	0	0	0
52	1.5000e+01	1.2990e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
53	1.5000e+01	2.1200e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
54	2.5565e+03	5.2850e+02	6.5900e+02	0	0	0	0	0	0	182	0	0
55	1.5000e+01	7.5200e+02	6.5900e+02	0	0	0	0	0	0	182	0	0
56	1.5000e+01	5.2850e+02	6.5900e+02	0	0	0	0	0	0	182	0	0
57	1.500											

85	1.5000e+01	1.7930e+03	1.6190e+03	0	0	0	0	0	0	185	0	0
86	1.1265e+03	1.8230e+03	9.7900e+02	0	0	0	0	0	0	183	0	0
87	1.1265e+03	1.4410e+03	9.7900e+02	0	0	0	0	0	0	183	0	0
88	1.1265e+03	1.8230e+03	1.2990e+03	0	0	0	0	0	0	184	0	0
89	1.1265e+03	1.4410e+03	1.2990e+03	0	0	0	0	0	0	184	0	0
90	1.1265e+03	1.8230e+03	1.6190e+03	0	0	0	0	0	0	185	0	0
91	1.5000e+01	2.4322e+02	0.0000e+00	1	1	0	0	0	1	0	0	0
92	1.1265e+03	1.4410e+03	1.6190e+03	0	0	0	0	0	0	185	0	0
93	1.4115e+03	1.8080e+03	9.7900e+02	0	0	0	0	0	0	183	0	0
94	1.1415e+03	1.8080e+03	9.7900e+02	0	0	0	0	0	0	183	0	0
95	1.4115e+03	1.8080e+03	1.2990e+03	0	0	0	0	0	0	184	0	0
96	1.1415e+03	1.8080e+03	1.2990e+03	0	0	0	0	0	0	184	0	0
97	1.4115e+03	1.8080e+03	1.6190e+03	0	0	0	0	0	0	185	0	0
98	1.1415e+03	1.8080e+03	1.6190e+03	0	0	0	0	0	0	185	0	0
99	1.2735e+03	1.6710e+03	9.7900e+02	0	0	0	0	0	0	183	0	0
100	1.2735e+03	1.4570e+03	9.7900e+02	0	0	0	0	0	0	183	0	0
101	1.2735e+03	1.6710e+03	1.2990e+03	0	0	0	0	0	0	184	0	0
102	1.2735e+03	1.4570e+03	1.2990e+03	0	0	0	0	0	0	184	0	0
103	1.2735e+03	1.6710e+03	1.6190e+03	0	0	0	0	0	0	0	0	0
104	1.2735e+03	1.4570e+03	1.6190e+03	0	0	0	0	0	0	185	0	0
105	1.4365e+03	1.6610e+03	9.7900e+02	0	0	0	0	0	0	183	0	0
106	1.2835e+03	1.6610e+03	9.7900e+02	0	0	0	0	0	0	183	0	0
107	1.4365e+03	1.6610e+03	1.2990e+03	0	0	0	0	0	0	184	0	0
108	1.2835e+03	1.6610e+03	1.2990e+03	0	0	0	0	0	0	184	0	0
109	1.4365e+03	1.6610e+03	1.6190e+03	0	0	0	0	0	0	0	0	0
110	1.2835e+03	1.6610e+03	1.6190e+03	0	0	0	0	0	0	0	0	0
111	1.4465e+03	1.4570e+03	9.7900e+02	0	0	0	0	0	0	183	0	0
112	1.4465e+03	1.6710e+03	9.7900e+02	0	0	0	0	0	0	183	0	0
113	1.4465e+03	1.4570e+03	1.2990e+03	0	0	0	0	0	0	184	0	0
114	1.4465e+03	1.6710e+03	1.2990e+03	0	0	0	0	0	0	184	0	0
115	1.4465e+03	1.4570e+03	1.6190e+03	0	0	0	0	0	0	185	0	0
116	1.4465e+03	1.6710e+03	1.6190e+03	0	0	0	0	0	0	0	0	0
117	1.5935e+03	1.8230e+03	9.7900e+02	0	0	0	0	0	0	183	0	0
118	1.5935e+03	1.4410e+03	9.7900e+02	0	0	0	0	0	0	183	0	0
119	1.5935e+03	1.8230e+03	1.2990e+03	0	0	0	0	0	0	184	0	0
120	1.5785e+03	1.8080e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
121	1.5935e+03	1.4410e+03	1.2990e+03</									

150	6.3900e+02	5.4350e+02	3.3000e+02	0	0	0	0	0	0	181	0	0
151	9.5750e+02	7.3700e+02	3.3000e+02	0	0	0	0	0	0	181	0	0
152	9.4700e+02	5.4350e+02	3.3000e+02	0	0	0	0	0	0	181	0	0
153	1.2825e+03	7.3700e+02	3.3000e+02	0	0	0	0	0	0	181	0	0
154	1.6005e+03	7.3700e+02	3.3000e+02	0	0	0	0	0	0	181	0	0
155	1.9185e+03	7.3700e+02	3.3000e+02	0	0	0	0	0	0	181	0	0
156	2.2365e+03	7.3700e+02	3.3000e+02	0	0	0	0	0	0	181	0	0
157	1.2825e+03	5.4350e+02	3.3000e+02	0	0	0	0	0	0	181	0	0
158	1.6005e+03	5.4350e+02	3.3000e+02	0	0	0	0	0	0	181	0	0
159	1.9185e+03	5.4350e+02	3.3000e+02	0	0	0	0	0	0	181	0	0
160	2.2365e+03	5.4350e+02	3.3000e+02	0	0	0	0	0	0	181	0	0
161	1.5000e+01	1.2990e+03	3.3000e+02	0	0	0	0	0	0	181	0	0
162	2.5565e+03	7.5200e+02	1.6190e+03	0	0	0	0	0	0	185	0	0
163	2.5565e+03	5.2850e+02	1.6190e+03	0	0	0	0	0	0	185	0	0
164	2.5565e+03	1.7930e+03	9.7900e+02	0	0	0	0	0	0	183	0	0
165	2.5565e+03	2.0165e+03	9.7900e+02	0	0	0	0	0	0	183	0	0
166	2.5565e+03	1.7930e+03	1.2990e+03	0	0	0	0	0	0	184	0	0
167	2.5565e+03	2.0165e+03	1.2990e+03	0	0	0	0	0	0	184	0	0
168	1.5000e+01	4.7144e+02	0.0000e+00	1	1	0	0	0	1	0	0	0
169	2.5565e+03	1.7930e+03	1.6190e+03	0	0	0	0	0	0	185	0	0
170	2.5565e+03	2.0165e+03	1.6190e+03	0	0	0	0	0	0	185	0	0
171	3.2600e+02	1.8080e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
172	3.2600e+02	1.8080e+03	3.3000e+02	0	0	0	0	0	0	181	0	0
173	3.2600e+02	1.8080e+03	1.2990e+03	0	0	0	0	0	0	184	0	0
174	3.2600e+02	1.8080e+03	1.6190e+03	0	0	0	0	0	0	185	0	0
175	1.5785e+03	1.8080e+03	1.6190e+03	0	0	0	0	0	0	185	0	0
176	1.5785e+03	1.8080e+03	1.2990e+03	0	0	0	0	0	0	184	0	0
177	3.2600e+02	1.8080e+03	9.7900e+02	0	0	0	0	0	0	183	0	0
178	1.5785e+03	1.8080e+03	9.7900e+02	0	0	0	0	0	0	183	0	0
179	3.2600e+02	1.8080e+03	6.5900e+02	0	0	0	0	0	0	182	0	0
180	1.5785e+03	1.8080e+03	6.5900e+02	0	0	0	0	0	0	182	0	0
181	1.2921e+03	1.0302e+03	3.3000e+02	0	0	1	1	1	0	0	1	0
182	1.2886e+03	1.2525e+03	6.5900e+02	0	0	1	1	1	0	0	2	0
183	1.2886e+03	1.2525e+03	9.7900e+02	0	0	1	1	1	0	0	3	0
184	1.2886e+03	1.2525e+03	1.2990e+03	0	0	1	1	1	0	0	4	0
185	1.2608e+03	1.2782e+03	1.6190e+03	0	0	1	1	1	0	0	5	0
186	8.6717e+02	1.5000e+01										

215	2.5565e+03	1.9420e+03	3.3000e+02	0	0	0	0	0	0	181	0	0
216	1.1265e+03	1.8230e+03	1.1000e+02	0	0	0	0	0	0	0	0	0
217	1.1265e+03	1.6957e+03	1.1000e+02	0	0	0	0	0	0	0	0	0
218	1.1265e+03	1.6957e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
219	1.1265e+03	1.5683e+03	1.1000e+02	0	0	0	0	0	0	0	0	0
220	1.1265e+03	1.5683e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
221	1.1265e+03	1.4410e+03	1.1000e+02	0	0	0	0	0	0	0	0	0
222	1.1265e+03	1.8230e+03	2.2000e+02	0	0	0	0	0	0	0	0	0
223	1.1265e+03	1.6957e+03	2.2000e+02	0	0	0	0	0	0	0	0	0
224	1.1265e+03	1.5683e+03	2.2000e+02	0	0	0	0	0	0	0	0	0
225	1.1265e+03	1.4410e+03	2.2000e+02	0	0	0	0	0	0	0	0	0
226	1.1265e+03	1.6957e+03	3.3000e+02	0	0	0	0	0	0	181	0	0
227	1.1265e+03	1.5683e+03	3.3000e+02	0	0	0	0	0	0	181	0	0
228	1.2735e+03	1.4570e+03	1.1000e+02	0	0	0	0	0	0	0	0	0
229	1.2735e+03	1.5283e+03	1.1000e+02	0	0	0	0	0	0	0	0	0
230	1.2735e+03	1.5283e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
231	1.2735e+03	1.5997e+03	1.1000e+02	0	0	0	0	0	0	0	0	0
232	1.2735e+03	1.5997e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
233	1.9185e+03	1.2890e+03	6.5900e+02	0	0	0	0	0	0	182	0	0
234	6.3900e+02	5.4350e+02	6.5900e+02	0	0	0	0	0	0	182	0	0
235	3.2600e+02	5.4350e+02	6.5900e+02	0	0	0	0	0	0	182	0	0
236	2.2365e+03	5.4350e+02	6.5900e+02	0	0	0	0	0	0	182	0	0
237	1.2735e+03	1.6710e+03	1.1000e+02	0	0	0	0	0	0	0	0	0
238	1.6005e+03	5.4350e+02	6.5900e+02	0	0	0	0	0	0	182	0	0
239	1.2825e+03	5.4350e+02	6.5900e+02	0	0	0	0	0	0	182	0	0
240	1.6005e+03	7.3700e+02	6.5900e+02	0	0	0	0	0	0	182	0	0
241	2.2365e+03	7.3700e+02	6.5900e+02	0	0	0	0	0	0	182	0	0
242	9.5750e+02	7.3700e+02	6.5900e+02	0	0	0	0	0	0	182	0	0
243	1.5000e+01	1.2990e+03	6.5900e+02	0	0	0	0	0	0	182	0	0
244	1.9185e+03	5.4350e+02	6.5900e+02	0	0	0	0	0	0	182	0	0
245	1.9185e+03	7.3700e+02	6.5900e+02	0	0	0	0	0	0	182	0	0
246	1.2825e+03	7.3700e+02	6.5900e+02	0	0	0	0	0	0	182	0	0
247	9.4700e+02	5.4350e+02	6.5900e+02	0	0	0	0	0	0	182	0	0
248	2.5515e+03	1.2890e+03	6.5900e+02	0	0	0	0	0	0	182	0	0
249	2.2365e+03	1.2890e+03	6.5900e+02	0	0	0	0	0	0	182	0	0
250	1.6005e+03	2.0015e+03	6.5900e+02	0	0	0	0	0	0	182	0	0
251	1.2825e+03	2.0015e+03	6.5900e+02	0								

280	1.4465e+03	1.5283e+03	2.2000e+02	0	0	0	0	0	0	0	0
281	1.4465e+03	1.5997e+03	2.2000e+02	0	0	0	0	0	0	0	0
282	1.4465e+03	1.6710e+03	2.2000e+02	0	0	0	0	0	0	0	0
283	1.4465e+03	1.5283e+03	3.3000e+02	0	0	0	0	0	0	181	0
284	1.4465e+03	1.5997e+03	3.3000e+02	0	0	0	0	0	0	181	0
285	1.4365e+03	1.6610e+03	1.1000e+02	0	0	0	0	0	0	0	0
286	1.3855e+03	1.6610e+03	1.1000e+02	0	0	0	0	0	0	0	0
287	6.3900e+02	7.3700e+02	9.7900e+02	0	0	0	0	0	0	183	0
288	1.3855e+03	1.6610e+03	0.0000e+00	1	1	0	0	0	1	0	0
289	1.3345e+03	1.6610e+03	1.1000e+02	0	0	0	0	0	0	0	0
290	1.3345e+03	1.6610e+03	0.0000e+00	1	1	0	0	0	1	0	0
291	1.2835e+03	1.6610e+03	1.1000e+02	0	0	0	0	0	0	0	0
292	1.4365e+03	1.6610e+03	2.2000e+02	0	0	0	0	0	0	0	0
293	1.3855e+03	1.6610e+03	2.2000e+02	0	0	0	0	0	0	0	0
294	1.3345e+03	1.6610e+03	2.2000e+02	0	0	0	0	0	0	0	0
295	1.2835e+03	1.6610e+03	2.2000e+02	0	0	0	0	0	0	0	0
296	1.3855e+03	1.6610e+03	3.3000e+02	0	0	0	0	0	0	181	0
297	1.3345e+03	1.6610e+03	3.3000e+02	0	0	0	0	0	0	181	0
298	2.2365e+03	1.2890e+03	9.7900e+02	0	0	0	0	0	0	183	0
299	1.2825e+03	1.2890e+03	9.7900e+02	0	0	0	0	0	0	183	0
300	1.9185e+03	2.0015e+03	9.7900e+02	0	0	0	0	0	0	183	0
301	6.3900e+02	1.8080e+03	9.7900e+02	0	0	0	0	0	0	183	0
302	9.5750e+02	2.0015e+03	9.7900e+02	0	0	0	0	0	0	183	0
303	1.6005e+03	2.0015e+03	9.7900e+02	0	0	0	0	0	0	183	0
304	1.6005e+03	1.2890e+03	9.7900e+02	0	0	0	0	0	0	183	0
305	9.5750e+02	1.8080e+03	9.7900e+02	0	0	0	0	0	0	183	0
306	3.2600e+02	1.2890e+03	9.7900e+02	0	0	0	0	0	0	183	0
307	2.2365e+03	2.0015e+03	9.7900e+02	0	0	0	0	0	0	183	0
308	6.2850e+02	2.0015e+03	9.7900e+02	0	0	0	0	0	0	183	0
309	2.5515e+03	1.2890e+03	9.7900e+02	0	0	0	0	0	0	183	0
310	9.4700e+02	5.4350e+02	9.7900e+02	0	0	0	0	0	0	183	0
311	2.2365e+03	1.8080e+03	9.7900e+02	0	0	0	0	0	0	183	0
312	1.9185e+03	1.8080e+03	9.7900e+02	0	0	0	0	0	0	183	0
313	3.2600e+02	2.0015e+03	9.7900e+02	0	0	0	0	0	0	183	0
314	1.2825e+03	2.0015e+03	9.7900e+02	0	0	0	0	0	0	183	0
315	1.2825e+03	7.3700e+02	9.7900e+02	0	0	0	0	0	0	183	0
316	1.5000e+01	1.2990e+03	9.7900e+02	0	0	0	0	0	0	183	0
317	2.2365e+03	5.4350e+02	9.7900e+02	0	0	0	0	0	0	183	0
318	2.2365e+03	7.3700e+02	9.7900e+02	0	0	0	0	0	0	183	0
319	1.2825e+03	5.4350e+02	9.7900e+02	0	0	0	0	0	0	183	0
320	1.1415e+03	1.8080e+03	1.1000e+02	0	0	0	0	0	0	0	0
321	1.2315e+03	1.8080e+03	1.1000e+02	0	0	0	0	0	0	0	0
322	1.9185e+03	7.3700e+02	9.7900e+02	0	0	0	0	0	0	183	0
323	3.2600e+02	5.4350e+02	9.7900e+02	0	0	0	0	0	0	183	0
324	1.9185e+03	5.4350e+02	9.7900e+02	0	0	0	0	0	0	183	0
325	1.9185e+03	1.2890e+03	9.7900e+02	0	0	0	0	0	0	183	0
326	1.2315e+03	1.8080e+03	0.0000e+00	1	1	0	0	0	1	0	0
327	1.6005e+03	7.3700e+02	9.7900e+02	0	0	0	0	0	0	183	0
328	9.5750e+02	7.3700e+02	9.7900e+02	0	0	0	0	0	0	183	0
329	6.3900e+02	5.4350e+02	9.7900e+02	0	0	0	0	0	0	183	0
330	1.3215e+03	1.8080e+03	1.1000e+02	0	0	0	0	0	0	0	0
331	1.6005e+03	5.4350e+02	9.7900e+02	0	0	0	0	0	0	183	0
332	9.5750e+02	1.2890e+03	9.7900e+02	0	0	0	0	0	0	183	0
333	6.3900e+02	1.2890e+03	9.7900e+02	0	0	0	0	0	0	183	0
334	1.2825e+03	1.2890e+03	1.2990e+03	0	0	0	0	0	0	184	0
335	1.3215e+03	1.8080e+03	0.0000e+00	1	1	0	0	0	1	0	0
336	1.4115e+03	1.8080e+03	1.1000e+02	0	0	0	0	0	0	0	0
337	1.1415e+03	1.8080e+03	2.2000e+02	0	0	0	0	0	0	0	0
338	9.5750e+02	1.8080e+03	1.2990e+03	0	0	0	0	0	0	184	0
339	1.6005e+03	1.2890e+03	1.2990e+03	0	0	0	0	0	0	184	0
340	1.2315e+03	1.8080e+03	2.2000e+02	0	0	0	0	0	0	0	0
341	1.3215e+03	1.8080e+03	2.2000e+02	0	0	0	0	0	0	0	0
342	1.4115e+03	1.8080e+03	2.2000e+02	0	0	0	0	0	0	0	0
343	1.2315e+03	1.8080e+03	3.3000e+02	0	0	0	0	0	0	181	0
344	1.3215e+03	1.8080e+03	3.3000e+02	0	0	0	0	0	0	181	0

345	1.4672e+03	1.8080e+03	1.1000e+02	0	0	0	0	0	0	0	0
346	1.4672e+03	1.8080e+03	0.0000e+00	1	1	0	0	0	1	0	0
347	1.5000e+01	1.2990e+03	1.2990e+03	0	0	0	0	0	0	184	0
348	1.9185e+03	1.8080e+03	1.2990e+03	0	0	0	0	0	0	184	0
349	1.9185e+03	2.0015e+03	1.2990e+03	0	0	0	0	0	0	184	0
350	6.3900e+02	1.8080e+03	1.2990e+03	0	0	0	0	0	0	184	0
351	1.5228e+03	1.8080e+03	1.1000e+02	0	0	0	0	0	0	0	0
352	6.2850e+02	2.0015e+03	1.2990e+03	0	0	0	0	0	0	184	0
353	3.2600e+02	2.0015e+03	1.2990e+03	0	0	0	0	0	0	184	0
354	9.4700e+02	5.4350e+02	1.2990e+03	0	0	0	0	0	0	184	0
355	1.6005e+03	2.0015e+03	1.2990e+03	0	0	0	0	0	0	184	0
356	2.2365e+03	1.8080e+03	1.2990e+03	0	0	0	0	0	0	184	0
357	1.5228e+03	1.8080e+03	0.0000e+00	1	1	0	0	0	1	0	0
358	1.5785e+03	1.8080e+03	1.1000e+02	0	0	0	0	0	0	0	0
359	1.4672e+03	1.8080e+03	2.2000e+02	0	0	0	0	0	0	0	0
360	1.5228e+03	1.8080e+03	2.2000e+02	0	0	0	0	0	0	0	0
361	1.2825e+03	7.3700e+02	1.2990e+03	0	0	0	0	0	0	184	0
362	3.2600e+02	1.2890e+03	1.2990e+03	0	0	0	0	0	0	184	0
363	2.5515e+03	1.2890e+03	1.2990e+03	0	0	0	0	0	0	184	0
364	2.2365e+03	1.2890e+03	1.2990e+03	0	0	0	0	0	0	184	0
365	1.5785e+03	1.8080e+03	2.2000e+02	0	0	0	0	0	0	0	0
366	1.2825e+03	2.0015e+03	1.2990e+03	0	0	0	0	0	0	184	0
367	2.2365e+03	2.0015e+03	1.2990e+03	0	0	0	0	0	0	184	0
368	9.5750e+02	2.0015e+03	1.2990e+03	0	0	0	0	0	0	184	0
369	6.3900e+02	7.3700e+02	1.2990e+03	0	0	0	0	0	0	184	0
370	1.9185e+03	5.4350e+02	1.2990e+03	0	0	0	0	0	0	184	0
371	1.2825e+03	5.4350e+02	1.2990e+03	0	0	0	0	0	0	184	0
372	1.4672e+03	1.8080e+03	3.3000e+02	0	0	0	0	0	0	181	0
373	1.6005e+03	7.3700e+02	1.2990e+03	0	0	0	0	0	0	184	0
374	1.5228e+03	1.8080e+03	3.3000e+02	0	0	0	0	0	0	181	0
375	9.5750e+02	7.3700e+02	1.2990e+03	0	0	0	0	0	0	184	0
376	1.9185e+03	7.3700e+02	1.2990e+03	0	0	0	0	0	0	184	0
377	1.5935e+03	1.8230e+03	1.1000e+02	0	0	0	0	0	0	0	0
378	9.5750e+02	1.2890e+03	1.2990e+03	0	0	0	0	0	0	184	0
379	1.5935e+03	1.6957e+03	1.1000e+02	0	0	0	0	0	0	0	0
380	2.2365e+03	5.4350e+02	1.2990e+03	0	0	0	0	0	0	184	0
381	2.2365e+03	7.3700e+02	1.2990e+03	0	0	0	0	0	0	184	0
382	1.9185e+03	1.2890e+03	1.2990e+03	0	0	0	0	0	0	184	0
383	1.6005e+03	5.4350e+02	1.2990e+03	0	0	0	0	0	0	184	0
384	6.3900e+02	1.2890e+03	1.2990e+03	0	0	0	0	0	0	184	0
385	6.3900e+02	5.4350e+02	1.2990e+03	0	0	0	0	0	0	184	0
386	3.2600e+02	5.4350e+02	1.2990e+03	0	0	0	0	0	0	184	0
387	1.5935e+03	1.6957e+03	0.0000e+00	1	1	0	0	0	1	0	0
388	3.2600e+02	7.3700e+02	1.2990e+03	0	0	0	0	0	0	184	0
389	1.5935e+03	1.5683e+03	1.1000e+02	0	0	0	0	0	0	0	0
390	1.5914e+03	1.5662e+03	0.0000e+00	1	1	0	0	0	1	0	0
391	1.5935e+03	1.4410e+03	1.1000e+02	0	0	0	0	0	0	0	0
392	1.5935e+03	1.8230e+03	2.2000e+02	0	0	0	0	0	0	0	0
393	1.5935e+03	1.6957e+03	2.2000e+02	0	0	0	0	0	0	0	0
394	1.5935e+03	1.5683e+03	2.2000e+02	0	0	0	0	0	0	0	0
395	1.5935e+03	1.4410e+03	2.2000e+02	0	0	0	0	0	0	0	0
396	1.5935e+03	1.6957e+03	3.3000e+02	0	0	0	0	0	0	181	0
397	1.5935e+03	1.5683e+03	3.3000e+02	0	0	0	0	0	0	181	0
398	1.5000e+01	1.6367e+03	0.0000e+00	1	1	0	0	0	1	0	0
399	3.1859e+02	1.5000e+01	0.0000e+00	1	1	0	0	0	1	0	0
400	5.7158e+02	1.5000e+01	0.0000e+00	1	1	0	0	0	1	0	0
401	3.1859e+02	1.5000e+01	3.3000e+02	0	0	0	0	0	0	181	0
402	6.2218e+02	1.5000e+01	3.3000e+02	0	0	0	0	0	0	181	0
403	9.2576e+02	1.5000e+01	3.3000e+02	0	0	0	0	0	0	181	0
404	1.2800e+03	1.5000e+01	3.3000e+02	0	0	0	0	0	0	181	0
405	1.5835e+03	1.5000e+01	3.3000e+02	0	0	0	0	0	0	181	0
406	1.1788e+03	1.5000e+01	0.0000e+00	1	1	0	0	0	1	0	0
407	1.4317e+03	1.5000e+01	0.0000e+00	1	1	0	0	0	1	0	0
408	1.9377e+03	1.5000e+01	3.3000e+02	0	0	0	0	0	0	181	0
409	1.9883e+03	1.5000e+01	0.0000e+00	1	1	0	0	0	1	0	0

410	2.2413e+03	1.5000e+01	3.3000e+02	0	0	0	0	0	0	181	0	0
411	2.2919e+03	1.5000e+01	0.0000e+00	1	1	0	0	0	1	0	0	0
412	1.5000e+01	1.3761e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
413	1.5000e+01	1.8923e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
414	2.5560e+03	2.1200e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
415	3.1809e+02	2.1200e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
416	6.3900e+02	7.3700e+02	1.6190e+03	0	0	0	0	0	0	185	0	0
417	1.6005e+03	5.4350e+02	1.6190e+03	0	0	0	0	0	0	185	0	0
418	6.2168e+02	2.1200e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
419	2.2365e+03	5.4350e+02	1.6190e+03	0	0	0	0	0	0	185	0	0
420	2.2365e+03	7.3700e+02	1.6190e+03	0	0	0	0	0	0	185	0	0
421	-1.0350e+02	1.0437e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
422	9.5750e+02	7.3700e+02	1.6190e+03	0	0	0	0	0	0	185	0	0
423	9.5750e+02	2.0015e+03	1.6190e+03	0	0	0	0	0	0	185	0	0
424	2.2365e+03	1.8080e+03	1.6190e+03	0	0	0	0	0	0	185	0	0
425	8.2407e+02	2.1200e+03	0.0000e+00	1	1	0	0	0	1	0	0	0
426	3.2600e+02	7.3700e+02	1.6190e+03	0	0	0	0	0	0	185	0	0
427	3.1809e+02	2.1200e+03	3.3000e+02	0	0	0	0	0	0	181	0	0
428	6.2168e+02	2.1200e+03	3.3000e+02	0	0	0	0	0	0	181	0	0
429	2.2365e+03	1.2890e+03	1.6190e+03	0	0	0	0	0	0	185	0	0
430	9.4586e+02	2.1200e+03	3.3000e+02	0	0	0	0	0	0	181	0	0
431	1.6005e+03	7.3700e+02	1.6190e+03	0	0	0	0	0	0	185	0	0
432	3.2600e+02	2.0015e+03	1.6190e+03	0	0	0	0	0	0	185	0	0
433	3.2600e+02	5.4350e+02	1.6190e+03	0	0	0	0	0	0	185	0	0
434	6.3900e+02	5.4350e+02	1.6190e+03	0	0	0	0	0	0	185	0	0
435	1.9185e+03	1.2890e+03	1.6190e+03	0	0	0	0	0	0	185	0	0
436	1.9185e+03	7.3700e+02	1.6190e+03	0	0	0	0	0	0	185	0	0
437	1.2795e+03	2.1200e+03	3.3000e+02	0	0	0	0	0	0	181	0	0
438	1.2825e+03	5.4350e+02	1.6190e+03	0	0	0	0	0	0	185	0	0
439	1.6005e+03	2.0015e+03	1.6190e+03	0	0	0	0	0	0	185	0	0
440	1.2825e+03	7.3700e+02	1.6190e+03	0	0	0	0	0	0	185	0	0
441	2.2365e+03	2.0015e+03	1.6190e+03	0	0	0	0	0	0	185	0	0
442	2.5515e+03	1.2890e+03	1.6190e+03	0	0	0	0	0	0	185	0	0
443	1.9185e+03	5.4350e+02	1.6190e+03	0	0	0	0	0	0	185	0	0
444	1.2825e+03	2.0015e+03	1.6190e+03	0	0	0	0	0	0	185	0	0
445	3.2600e+02	1.2890e+03	1.6190e+03	0	0	0	0	0	0	185	0	0
446	1.5830e+03	2.1200e+03										

475	2.5565e+03	5.2850e+02	3.3000e+02	0	0	0	0	0	0	181	0	0
476	1.7193e+03	2.4889e+02	0.0000e+00	1	1	0	0	0	1	0	0	0
477	2.2874e+03	2.4889e+02	0.0000e+00	1	1	0	0	0	1	0	0	0
478	2.5565e+03	1.7930e+03	3.3000e+02	0	0	0	0	0	0	181	0	0
479	2.5565e+03	2.0165e+03	3.3000e+02	0	0	0	0	0	0	181	0	0
480	1.5000e+01	1.8923e+03	2.7500e+02	0	0	0	0	0	0	0	0	0
481	1.5000e+01	2.0062e+03	2.7500e+02	0	0	0	0	0	0	0	0	0
482	1.5000e+01	7.5200e+02	3.3000e+02	0	0	0	0	0	0	181	0	0
483	1.5000e+01	5.2850e+02	3.3000e+02	0	0	0	0	0	0	181	0	0
484	-1.0350e+02	7.3700e+02	3.3000e+02	0	0	0	0	0	0	181	0	0
485	2.5564e+03	2.5911e+02	0.0000e+00	1	1	0	0	0	1	0	0	0
486	-1.0350e+02	1.2990e+03	3.3000e+02	0	0	0	0	0	0	181	0	0
487	1.1512e+03	2.4889e+02	0.0000e+00	1	1	0	0	0	1	0	0	0
488	1.5000e+01	2.0165e+03	3.3000e+02	0	0	0	0	0	0	181	0	0
489	1.5000e+01	1.7930e+03	3.3000e+02	0	0	0	0	0	0	181	0	0
490	1.5000e+01	2.1200e+03	3.3000e+02	0	0	0	0	0	0	181	0	0
491	8.6715e+02	2.4889e+02	0.0000e+00	1	1	0	0	0	1	0	0	0
492	1.1265e+03	1.8230e+03	3.3000e+02	0	0	0	0	0	0	181	0	0
493	1.1265e+03	1.4410e+03	3.3000e+02	0	0	0	0	0	0	181	0	0
494	1.2735e+03	1.4570e+03	3.3000e+02	0	0	0	0	0	0	181	0	0
495	1.2735e+03	1.6710e+03	3.3000e+02	0	0	0	0	0	0	181	0	0
496	1.4465e+03	1.4570e+03	3.3000e+02	0	0	0	0	0	0	181	0	0
497	1.4465e+03	1.6710e+03	3.3000e+02	0	0	0	0	0	0	181	0	0
498	1.4365e+03	1.6610e+03	3.3000e+02	0	0	0	0	0	0	181	0	0
499	1.2835e+03	1.6610e+03	3.3000e+02	0	0	0	0	0	0	181	0	0
500	1.1415e+03	1.8080e+03	3.3000e+02	0	0	0	0	0	0	181	0	0
501	1.4115e+03	1.8080e+03	3.3000e+02	0	0	0	0	0	0	181	0	0
502	1.5785e+03	1.8080e+03	3.3000e+02	0	0	0	0	0	0	181	0	0
503	1.5935e+03	1.8230e+03	3.3000e+02	0	0	0	0	0	0	181	0	0
504	1.5935e+03	1.4410e+03	3.3000e+02	0	0	0	0	0	0	181	0	0
505	6.2168e+02	2.1200e+03	2.2000e+02	0	0	0	0	0	0	0	0	0
506	1.4352e+03	7.1667e+02	0.0000e+00	1	1	0	0	0	1	0	0	0
507	1.4352e+03	4.8278e+02	0.0000e+00	1	1	0	0	0	1	0	0	0
508	1.4352e+03	2.4889e+02	0.0000e+00	1	1	0	0	0	1	0	0	0
509	2.9905e+02	2.4889e+02	0.0000e+00	1	1	0	0	0	1	0	0	0
510	5.8310e+02	2.4889e+02	0.0000e+00	1	1	0	0	0	1	0	0	0
511	2.9902e+02	1.4183e+03	0.0000e+00									

540	1.5000e+01	1.3761e+03	1.1000e+02	0	0	0	0	0	0	0	0
541	-1.0350e+02	1.2990e+03	1.1000e+02	0	0	0	0	0	0	0	0
542	-1.0350e+02	1.0437e+03	1.1000e+02	0	0	0	0	0	0	0	0
543	-1.0350e+02	7.3700e+02	1.1000e+02	0	0	0	0	0	0	0	0
544	1.5000e+01	7.5200e+02	1.1000e+02	0	0	0	0	0	0	0	0
545	1.5000e+01	4.7144e+02	1.1000e+02	0	0	0	0	0	0	0	0
546	1.5000e+01	2.4322e+02	1.1000e+02	0	0	0	0	0	0	0	0
547	1.5000e+01	1.5000e+01	1.1000e+02	0	0	0	0	0	0	0	0
548	3.1859e+02	1.5000e+01	1.1000e+02	0	0	0	0	0	0	0	0
549	5.7158e+02	1.5000e+01	1.1000e+02	0	0	0	0	0	0	0	0
550	8.6717e+02	1.5000e+01	1.1000e+02	0	0	0	0	0	0	0	0
551	1.1788e+03	1.5000e+01	1.1000e+02	0	0	0	0	0	0	0	0
552	1.4317e+03	1.5000e+01	1.1000e+02	0	0	0	0	0	0	0	0
553	1.7193e+03	1.5000e+01	1.1000e+02	0	0	0	0	0	0	0	0
554	1.9883e+03	1.5000e+01	1.1000e+02	0	0	0	0	0	0	0	0
555	2.2919e+03	1.5000e+01	1.1000e+02	0	0	0	0	0	0	0	0
556	2.5565e+03	1.5000e+01	1.1000e+02	0	0	0	0	0	0	0	0
557	1.5000e+01	2.1200e+03	2.2000e+02	0	0	0	0	0	0	0	0
558	1.5000e+01	1.8923e+03	2.2000e+02	0	0	0	0	0	0	0	0
559	1.5000e+01	1.6367e+03	2.2000e+02	0	0	0	0	0	0	0	0
560	1.5000e+01	1.3761e+03	2.2000e+02	0	0	0	0	0	0	0	0
561	-1.0350e+02	1.2990e+03	2.2000e+02	0	0	0	0	0	0	0	0
562	-1.0350e+02	1.0437e+03	2.2000e+02	0	0	0	0	0	0	0	0
563	-1.0350e+02	7.3700e+02	2.2000e+02	0	0	0	0	0	0	0	0
564	1.5000e+01	7.5200e+02	2.2000e+02	0	0	0	0	0	0	0	0
565	1.5000e+01	4.7144e+02	2.2000e+02	0	0	0	0	0	0	0	0
566	1.5000e+01	2.4322e+02	2.2000e+02	0	0	0	0	0	0	0	0
567	1.5000e+01	1.5000e+01	2.2000e+02	0	0	0	0	0	0	0	0
568	3.1859e+02	1.5000e+01	2.2000e+02	0	0	0	0	0	0	0	0
569	5.7158e+02	1.5000e+01	2.2000e+02	0	0	0	0	0	0	0	0
570	8.6717e+02	1.5000e+01	2.2000e+02	0	0	0	0	0	0	0	0
571	1.1788e+03	1.5000e+01	2.2000e+02	0	0	0	0	0	0	0	0
572	1.4317e+03	1.5000e+01	2.2000e+02	0	0	0	0	0	0	0	0
573	1.7193e+03	1.5000e+01	2.2000e+02	0	0	0	0	0	0	0	0
574	1.9883e+03	1.5000e+01	2.2000e+02	0	0	0	0	0	0	0	0
575	2.2919e+03	1.5000e+01	2.2000e+02	0	0	0	0	0	0	0	0
576	2.5565e+03	1.5000e+01	2.2000e+02	0	0	0	0	0	0	0	0
577	1.5000e+01	1.8923e+03	3.3000e+02	0	0	0	0	0	181	0	0
578	1.5000e+01	1.6367e+03	3.3000e+02	0	0	0	0	0	181	0	0
579	1.5000e+01	1.3761e+03	3.3000e+02	0	0	0	0	0	181	0	0
580	-1.0350e+02	1.0437e+03	3.3000e+02	0	0	0	0	0	181	0	0
581	1.5000e+01	2.4322e+02	3.3000e+02	0	0	0	0	0	181	0	0
582	1.6005e+03	2.0015e+03	0.0000e+00	1	1	0	0	0	1	0	0
583	1.1277e+03	2.1200e+03	3.3000e+02	0	0	0	0	0	181	0	0
584	1.7496e+02	1.3449e+03	0.0000e+00	1	1	0	0	0	1	0	0
585	1.4317e+03	1.5000e+01	3.3000e+02	0	0	0	0	0	181	0	0
586	2.5561e+03	1.6579e+03	0.0000e+00	1	1	0	0	0	1	0	0
587	2.5562e+03	1.4215e+03	0.0000e+00	1	1	0	0	0	1	0	0
588	2.5563e+03	9.5459e+02	0.0000e+00	1	1	0	0	0	1	0	0
589	2.5560e+03	2.1200e+03	1.1000e+02	0	0	0	0	0	0	0	0
590	2.2914e+03	2.1200e+03	1.1000e+02	0	0	0	0	0	0	0	0
591	1.9878e+03	2.1200e+03	1.1000e+02	0	0	0	0	0	0	0	0
592	1.6842e+03	2.1200e+03	1.1000e+02	0	0	0	0	0	0	0	0
593	1.3806e+03	2.1200e+03	1.1000e+02	0	0	0	0	0	0	0	0
594	1.1277e+03	2.1200e+03	1.1000e+02	0	0	0	0	0	0	0	0
595	8.2407e+02	2.1200e+03	1.1000e+02	0	0	0	0	0	0	0	0
596	6.2168e+02	2.1200e+03	1.1000e+02	0	0	0	0	0	0	0	0
597	3.1809e+02	2.1200e+03	1.1000e+02	0	0	0	0	0	0	0	0
598	2.5560e+03	2.1200e+03	2.2000e+02	0	0	0	0	0	0	0	0
599	2.2914e+03	2.1200e+03	2.2000e+02	0	0	0	0	0	0	0	0
600	1.9878e+03	2.1200e+03	2.2000e+02	0	0	0	0	0	0	0	0
601	1.6842e+03	2.1200e+03	2.2000e+02	0	0	0	0	0	0	0	0
602	1.3806e+03	2.1200e+03	2.2000e+02	0	0	0	0	0	0	0	0
603	1.1277e+03	2.1200e+03	2.2000e+02	0	0	0	0	0	0	0	0
604	8.2407e+02	2.1200e+03	2.2000e+02	0	0	0	0	0	0	0	0

Constraint - Master-Slave

	Master					Slave							
181	583	25	585	581	580	579	578	577	460	455	446	437	
	430	428	427	410	408	405	404	403	402	401	397	396	
	374	372	344	343	297	296	284	283	272	271	227	226	
	215	212	201	200	172	504	503	502	501	500	499	498	
	497	496	495	494	493	492	490	489	488	486	484	483	
	482	479	478	475	474	471	470	195	194	161	160	159	
	158	157	156	155	154	153	152	151	150	149	148	147	
	146	145	144	143	142	141	140	139	138	137	136	135	
	134	133	132	131								130	
182	180	179	73	72	71	70	69	68	67	66	65	64	
	63	62	59	57	56	55	54	4	3	2	265	264	
	263	262	261	260	259	258	257	256	255	254	253	252	
	251	250	249	248	247	246	245	244	243	242	241	240	
	239	238	236	235	234	233	214					213	
183	178	177	165	164	125	124	118	117	112	111	106	105	
	100	99	94	93	87	86	81	80	75	74	333	332	
	331	329	328	327	325	324	323	322	319	318	317	316	
	315	314	313	312	311	310	309	308	307	306	305	304	
	303	302	301	300	299	298	287					270	
184	176	173	167	166	129	128	121	119	114	113	108	107	
	102	101	96	95	89	88	83	82	77	76	388	386	
	385	384	383	382	381	380	378	376	375	373	371	370	
	369	368	367	366	364	363	362	361	356	355	354	353	
	352	350	349	348	347	339	338					334	
185	175	174	170	169	163	162	123	122	115	104	98	97	
	92	90	85	84	79	78	468	467	461	459	458	456	
	453	452	449	448	447	445	444	443	442	441	440	439	
	438	436	435	434	433	432	431	429	426	424	423	422	
	420	419	417									416	

ESTREMI E DATI DEGLI ELEMENTI (Fase 1)

Elemento	Estremi				Tipo	Carico	NodoK	Massa	Materiale-EE
1	12	17	36		11	0	0	0	
2	36	12	466		11	0	0	0	
3	17	12	19		11	0	0	0	
4	12	466	516		11	0	0	0	
5	19	12	516		11	0	0	0	
6	346	335	16		11	0	0	0	
7	16	346	19		11	0	0	0	
8	16	335	463		11	0	0	0	
9	16	19	15		11	0	0	0	
10	19	15	17		11	0	0	0	
11	15	17	35		11	0	0	0	
12	15	35	10		11	0	0	0	
13	10	15	16		11	0	0	0	
14	10	16	463		11	0	0	0	
15	583	437			10	0	0	249	
16	430	583			10	0	0	249	
17	437	133			68	35	0	220	
18	428	131			67	35	0	219	
19	427	130			62	35	0	219	
20	430	132			66	35	0	220	
21	446	134			65	35	0	220	
22	455	135			64	35	0	220	
23	460	136			63	35	0	220	
24	584	511	32		11	35	0	218	
25	412	584	511		11	35	0	218	
26	52	584	32		11	35	0	218	
27	412	52	584		11	35	0	218	
28	484	482	564		17	35	0	218	
29	563	484	564		17	35	0	218	

30	563	564	544		17	35	0	218
31	543	563	544		17	35	0	218
32	543	544	1		17	35	0	218
33	58	543	1		17	35	0	218
34	523	561	541		17	35	0	218
35	519	523	541		17	35	0	218
36	519	541	536		17	35	0	218
37	52	519	536		17	35	0	218
38	523	161	486	561	17	35	0	218
39	560	579	161	523	17	3	0	217
40	540	560	523	519	17	2	0	216
41	412	540	519	52	17	1	0	215
42	557	490	488	481	17	5	0	214
43	480	558	557	481	17	6	0	213
44	577	480	481	488	17	4	0	212
45	559	558	480	472	17	6	0	213
46	489	578	559	472	17	5	0	214
47	577	489	472	480	17	4	0	212
48	24	427	490	557	17	3	0	217
49	505	428	427	24	17	3	0	217
50	604	430	428	505	17	3	0	217
51	603	583	430	604	17	3	0	217
52	602	437	583	603	17	3	0	217
53	601	446	437	602	17	3	0	217
54	600	455	446	601	17	3	0	217
55	599	460	455	600	17	3	0	217
56	598	25	460	599	17	3	0	217
57	597	24	557	537	17	2	0	216
58	596	505	24	597	17	2	0	216
59	595	604	505	596	17	2	0	216
60	594	603	604	595	17	2	0	216
61	593	602	603	594	17	2	0	216
62	592	601	602	593	17	2	0	216
63	591	600	601	592	17	2	0	216
64	590	599	600	591	17	2	0	216
65	589	598	599	590	17	2	0	216
66	415	597	537	53	17	1	0	215
67	418	596	597	415	17	1	0	215
68	425	595	596	418	17	1	0	215
69	450	594	595	425	17	1	0	215
70	451	593	594	450	17	1	0	215
71	454	592	593	451	17	1	0	215
72	457	591	592	454	17	1	0	215
73	462	590	591	457	17	1	0	215
74	414	589	590	462	17	1	0	215
75	575	410	471	576	17	3	0	217
76	574	408	410	575	17	3	0	217
77	573	405	408	574	17	3	0	217
78	572	585	405	573	17	3	0	217
79	571	404	585	572	17	3	0	217
80	570	403	404	571	17	3	0	217
81	569	402	403	570	17	3	0	217
82	568	401	402	569	17	3	0	217
83	567	470	401	568	17	3	0	217
84	566	581	470	567	17	3	0	217
85	565	483	581	566	17	3	0	217
86	564	482	483	565	17	3	0	217
87	562	580	484	563	17	3	0	217
88	561	486	580	562	17	3	0	217
89	559	578	579	560	17	3	0	217
90	555	575	576	556	17	2	0	216
91	554	574	575	555	17	2	0	216
92	553	573	574	554	17	2	0	216
93	552	572	573	553	17	2	0	216
94	551	571	572	552	17	2	0	216

95	550	570	571	551	17	2	0	216
96	549	569	570	550	17	2	0	216
97	548	568	569	549	17	2	0	216
98	547	567	568	548	17	2	0	216
99	546	566	567	547	17	2	0	216
100	545	565	566	546	17	2	0	216
101	544	564	565	545	17	2	0	216
102	542	562	563	543	17	2	0	216
103	541	561	562	542	17	2	0	216
104	539	559	560	540	17	2	0	216
105	538	558	559	539	17	2	0	216
106	537	557	558	538	17	2	0	216
107	411	555	556	61	17	1	0	215
108	409	554	555	411	17	1	0	215
109	187	553	554	409	17	1	0	215
110	407	552	553	187	17	1	0	215
111	406	551	552	407	17	1	0	215
112	186	550	551	406	17	1	0	215
113	400	549	550	186	17	1	0	215
114	399	548	549	400	17	1	0	215
115	60	547	548	399	17	1	0	215
116	91	546	547	60	17	1	0	215
117	168	545	546	91	17	1	0	215
118	1	544	545	168	17	1	0	215
119	421	542	543	58	17	1	0	215
120	536	541	542	421	17	1	0	215
121	398	539	540	412	17	1	0	215
122	413	538	539	398	17	1	0	215
123	53	537	538	413	17	1	0	215
124	52	464	421	536	11	35	0	218
125	20	16			12	0	0	0
126	19	18			12	0	0	0
127	120	11			12	0	0	0
128	13	9			12	0	0	0
129	5	586	535		11	35	0	218
130	535	586	28		11	35	0	218
131	28	27	534	535	11	35	0	218
132	204	5	535	534	11	35	0	218
133	462	414	6	533	11	35	0	218
134	534	27	462	533	11	35	0	218
135	204	534	533	6	11	35	0	218
136	454	515	582		11	35	0	218
137	582	515	532		11	35	0	218
138	515	516	11		11	35	0	218
139	11	515	532		11	35	0	218
140	346	11	19		11	35	0	218
141	11	516	19		11	35	0	218
142	514	532	11	346	11	35	0	218
143	463	513	530	335	11	35	0	218
144	514	346	335	530	11	35	0	218
145	531	451	454	582	11	35	0	218
146	514	531	582	532	11	35	0	218
147	450	451	531	469	11	35	0	218
148	530	513	450	469	11	35	0	218
149	514	530	469	531	11	35	0	218
150	21	22	30		11	35	0	218
151	171	30	21		11	35	0	218
152	171	21	413		11	35	0	218
153	413	171	398		11	35	0	218
154	524	526	525		11	35	0	218
155	524	525	34		11	35	0	218
156	23	513	450		11	35	0	218
157	425	450	23		11	35	0	218
158	34	524	33		11	35	0	218
159	33	34	465		11	35	0	218

160	33	465	512		11	35	0	218
161	465	34	10		11	35	0	218
162	10	34	35		11	35	0	218
163	35	17	36		11	35	0	218
164	529	526	42	127	11	35	0	218
165	33	524	526	529	11	35	0	218
166	528	529	127	126	11	35	0	218
167	32	33	529	528	11	35	0	218
168	511	512	33	32	11	35	0	218
169	464	528	126	1	11	35	0	218
170	52	32	528	464	11	35	0	218
171	527	521	45	506	11	35	0	218
172	35	36	521	527	11	35	0	218
173	525	527	506	44	11	35	0	218
174	34	35	527	525	11	35	0	218
175	526	525	44	42	11	35	0	218
176	522	588	7	47	11	35	0	218
177	38	39	588	522	11	35	0	218
178	518	587	39	38	11	35	0	218
179	520	522	47	46	11	35	0	218
180	37	38	522	520	11	35	0	218
181	517	518	38	37	11	35	0	218
182	521	520	46	45	11	35	0	218
183	36	37	520	521	11	35	0	218
184	466	517	37	36	11	35	0	218
185	28	586	587	518	11	35	0	218
186	29	28	518	517	11	35	0	218
187	26	27	28	29	11	35	0	218
188	457	462	27	26	11	35	0	218
189	516	29	517	466	11	35	0	218
190	515	26	29	516	11	35	0	218
191	454	457	26	515	11	35	0	218
192	31	463	10	465	11	35	0	218
193	23	513	463	31	11	35	0	218
194	30	31	465	512	11	35	0	218
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197	171	30	512	511	11	35	0	218
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199	398	171	511	412	11	35	0	218
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203	127	42	43	41	11	35	0	218
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207	91	509	399	60	11	35	0	218
208	168	40	509	91	11	35	0	218
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213	487	508	407	406	11	35	0	218
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228	58	1	464	421	11	35	0	218
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233	428	430			10	0	0	249
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237	408	410			10	0	0	248
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243	470	401			10	0	0	248
244	158	405			59	34	0	211
245	152	403			57	34	0	210
246	160	410			55	34	0	209
247	159	408			53	34	0	208
248	157	404			51	34	0	207
249	150	402			49	34	0	206
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334	179	57			21	0	0	247
335	259	179			21	0	0	247
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343	180	72			19	0	0	0
344	63	180			19	0	0	0
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349	233	249			20	17	0	198
350	262	233			20	16	0	197
351	263	262			20	11	0	196
352	264	263			20	17	0	195
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354	258	265			20	16	0	193

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356	260	259	21	15	0	191
357	65	260	21	15	0	190
358	257	3	21	15	0	189
359	261	257	21	15	0	188
360	72	261	21	15	0	187
361	256	2	4	13	0	186
362	252	256	4	13	0	185
363	250	252	4	13	0	184
364	251	250	4	36	0	183
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366	255	254	4	13	0	182
367	253	255	4	37	0	201
368	59	253	4	37	0	201
369	241	4	21	15	0	181
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374	214	242	21	15	0	177
375	213	214	21	14	0	176
376	55	213	21	14	0	175
377	54	236	4	13	0	174
378	236	244	4	13	0	173
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384	235	56	4	12	0	168
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392	73	262	18	0	0	247
393	257	249	2	0	0	247
394	256	257	21	0	0	247
395	261	233	21	0	0	247
396	252	261	21	0	0	247
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398	254	260	82	10	0	165
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405	245	244	21	0	0	246
406	233	245	3	0	0	245
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412	264	242	3	0	0	247
413	213	235	83	0	0	247
414	258	213	81	0	0	247
415	214	234	85	36	0	163
416	265	214	20	0	0	247
417	259	265	20	8	0	162
418	255	259	80	7	0	161
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435	304	325	20	16	0	157
436	299	304	20	11	0	156
437	332	299	20	17	0	155
438	333	332	20	17	0	154
439	306	333	20	16	0	153
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441	305	301	21	15	0	151
442	86	305	21	15	0	150
443	311	164	21	15	0	149
444	312	311	21	15	0	148
445	117	312	21	15	0	147
446	307	165	4	13	0	146
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451	308	302	4	13	0	143
452	313	308	4	37	0	201
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454	318	124	21	15	0	142
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482	305	332	3	0	0	247
483	302	305	3	10	0	126
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490	322	324	21	0	0	240
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492	327	331	21	0	0	238
493	304	327	20	0	0	237
494	315	319	21	0	0	236
495	299	315	3	0	0	235
496	328	310	21	0	0	247
497	332	328	3	0	0	247
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500	287	329	20	36	0	163
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508	122	461	21	23	0	122
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522	502	503	9	0	0	0
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528	167	166	19	37	0	201
529	129	128	19	37	0	201
530	77	76	19	37	0	201
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559	456	445	20	24	0	109
560	452	453	21	23	0	108
561	90	452	21	24	0	107
562	424	169	21	23	0	106
563	461	424	21	23	0	105
564	441	170	101	22	0	104
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591	115	123	21	0	0	232
592	104	115	21	0	0	231
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594	104	467	21	0	0	247
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596	424	429	21	0	0	247
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601	423	452	21	21	0	86
602	456	78	20	36	0	118
603	85	456	20	18	0	85
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608	436	443	21	0	0	229
609	435	436	21	19	0	84
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612	440	438	21	0	0	227
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618	416	434	20	0	0	247
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624	339	382	20	16	0	77
625	334	339	20	11	0	76
626	378	334	20	17	0	75
627	384	378	20	17	0	74
628	362	384	20	16	0	73
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630	338	350	21	15	0	71
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632	356	166	21	15	0	69
633	348	356	21	15	0	68
634	119	348	21	15	0	67
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636	349	367	4	13	0	65
637	355	349	4	13	0	64
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645	373	376	21	12	0	179
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647	375	361	21	15	0	60
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658	386	77	4	12	0	51
659	173	362	21	0	0	247
660	353	173	21	0	0	247
661	355	119	20	10	0	50
662	113	121	18	11	0	49
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665	102	334	18	0	0	247
666	121	339	18	0	0	247
667	356	364	2	0	0	247
668	367	356	21	0	0	247
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670	349	348	21	0	0	247
671	338	378	3	0	0	247
672	368	338	3	10	0	46
673	347	76	20	37	0	201
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675	363	128	20	37	0	201
676	166	363	20	37	0	201
677	381	380	21	0	0	247
678	364	381	2	0	0	247
679	376	370	21	0	0	226

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683	361	371	21	0	0	222
684	334	361	3	0	0	221
685	375	354	21	0	0	247
686	378	375	3	0	0	247
687	388	386	3	0	0	247
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692	352	350	20	7	0	43
693	172	141	7	0	0	247
694	130	172	6	0	0	247
695	171	172	1	35	0	204
696	134	503	6	31	0	42
697	496	504	8	32	0	41
698	494	496	8	32	0	40
699	493	494	8	32	0	39
700	494	144	8	0	0	247
701	504	145	8	0	0	247
702	137	147	7	0	0	247
703	136	137	6	0	0	247
704	138	146	7	0	0	247
705	135	138	6	0	0	247
706	140	143	7	0	0	247
707	132	140	6	31	0	38
708	161	482	76	37	0	201
709	579	161	73	0	0	247
710	25	479	71	0	0	247
711	148	474	70	37	0	201
712	478	148	69	37	0	201
713	156	160	7	0	0	247
714	147	156	7	0	0	247
715	155	159	7	0	0	247
716	146	155	7	0	0	247
717	154	158	7	0	0	247
718	145	154	7	0	0	247
719	153	157	7	0	0	247
720	144	153	7	0	0	247
721	151	152	7	0	0	247
722	143	151	7	0	0	247
723	194	149	7	0	0	247
724	141	194	7	0	0	247
725	195	150	7	0	0	247
726	142	195	7	0	0	247
727	139	142	7	0	0	247
728	131	139	6	0	0	247
729	147	148	61	29	0	37
730	146	147	60	29	0	36
731	145	146	58	29	0	35
732	144	145	56	30	0	34
733	143	144	54	29	0	33
734	142	143	52	29	0	32
735	141	142	50	29	0	31
736	161	141	47	29	0	30
737	140	139	44	27	0	29
738	492	140	43	28	0	28
739	137	478	42	27	0	27
740	138	137	41	27	0	26
741	503	138	40	27	0	25
742	136	479	39	26	0	24
743	135	136	38	26	0	23
744	134	135	37	26	0	22

745	133	134			36	37	0	21
746	132	133			35	37	0	20
747	131	132			34	26	0	19
748	130	131			33	26	0	18
749	488	130			32	26	0	17
750	156	474			31	27	0	16
751	155	156			30	27	0	15
752	154	155			29	27	0	14
753	153	154			28	27	0	13
754	151	153			27	27	0	12
755	195	151			26	27	0	11
756	194	195			25	27	0	10
757	482	194			24	27	0	9
758	160	475			5	26	0	8
759	159	160			5	26	0	7
760	158	159			5	26	0	6
761	157	158			5	26	0	5
762	152	157			5	26	0	4
763	150	152			5	26	0	3
764	149	150			5	26	0	2
765	483	149			5	26	0	1
766	166	169	170	167	17	35	0	247
767	164	166	167	165	17	0	0	247
768	3	164	165	2	17	0	0	247
769	128	162	163	129	17	35	0	247
770	124	128	129	125	17	35	0	247
771	4	124	125	54	17	35	0	247
772	119	122	123	121	17	35	0	247
773	117	119	121	118	17	35	0	247
774	72	117	118	73	17	35	0	247
775	113	115	116	114	13	35	0	247
776	111	113	114	112	13	35	0	247
777	70	111	112	71	13	35	0	247
778	107	109	110	108	13	35	0	247
779	105	107	108	106	13	35	0	247
780	68	105	106	69	13	35	0	247
781	101	103	104	102	13	35	0	247
782	99	101	102	100	13	35	0	247
783	66	99	100	67	13	35	0	247
784	95	97	98	96	17	35	0	247
785	93	95	96	94	17	35	0	247
786	63	93	94	62	17	35	0	247
787	88	90	92	89	17	35	0	247
788	86	88	89	87	17	35	0	247
789	65	86	87	64	17	35	0	247
790	82	84	85	83	17	35	0	247
791	80	82	83	81	17	35	0	247
792	59	80	81	57	17	35	0	247
793	76	78	79	77	17	35	0	247
794	74	76	77	75	17	35	0	247
795	55	74	75	56	17	35	0	247
796	503	72	73	504	17	35	0	247
797	496	70	71	497	13	35	0	247
798	498	68	69	499	13	35	0	247
799	495	66	67	494	13	35	0	247
800	493	64	65	492	17	35	0	247
801	500	62	63	501	17	35	0	247
802	489	57	59	488	17	35	0	247
803	482	55	56	483	17	35	0	247
804	474	4	54	475	17	35	0	247
805	479	2	3	478	17	0	0	247
806	352	468			14	0	0	247
807	334	467			16	0	0	247
808	348	461			14	0	0	247
809	349	459			16	0	0	247

810	339	458	16	0	0	247
811	347	456	23	0	0	247
812	350	453	14	0	0	247
813	338	452	14	0	0	247
814	378	449	14	0	0	247
815	354	448	14	0	0	247
816	384	447	14	0	0	247
817	362	445	14	0	0	247
818	366	444	16	0	0	247
819	370	443	16	0	0	247
820	363	442	15	0	0	247
821	367	441	16	0	0	247
822	361	440	14	0	0	247
823	355	439	16	0	0	247
824	371	438	16	0	0	247
825	376	436	14	0	0	247
826	382	435	14	0	0	247
827	385	434	14	0	0	247
828	386	433	14	0	0	247
829	353	432	14	0	0	247
830	373	431	14	0	0	247
831	364	429	14	0	0	247
832	356	424	14	0	0	247
833	368	423	16	0	0	247
834	375	422	14	0	0	247
835	381	420	14	0	0	247
836	380	419	16	0	0	247
837	383	417	16	0	0	247
838	323	386	14	0	0	247
839	329	385	14	0	0	247
840	333	384	14	0	0	247
841	331	383	16	0	0	247
842	325	382	14	0	0	247
843	318	381	14	0	0	247
844	317	380	16	0	0	247
845	332	378	14	0	0	247
846	322	376	14	0	0	247
847	328	375	14	0	0	247
848	327	373	14	0	0	247
849	319	371	16	0	0	247
850	324	370	16	0	0	247
851	302	368	16	0	0	247
852	307	367	16	0	0	247
853	314	366	16	0	0	247
854	298	364	14	0	0	247
855	309	363	15	0	0	247
856	306	362	14	0	0	247
857	315	361	14	0	0	247
858	311	356	14	0	0	247
859	303	355	16	0	0	247
860	310	354	14	0	0	247
861	313	353	14	0	0	247
862	308	352	14	0	0	247
863	301	350	14	0	0	247
864	300	349	16	0	0	247
865	312	348	14	0	0	247
866	316	347	23	0	0	247
867	304	339	16	0	0	247
868	305	338	14	0	0	247
869	299	334	16	0	0	247
870	265	333	14	0	0	247
871	264	332	14	0	0	247
872	238	331	16	0	0	247
873	234	329	14	0	0	247
874	242	328	14	0	0	247

875	240	327	14	0	0	247
876	233	325	14	0	0	247
877	244	324	16	0	0	247
878	235	323	14	0	0	247
879	245	322	14	0	0	247
880	239	319	16	0	0	247
881	241	318	14	0	0	247
882	236	317	16	0	0	247
883	243	316	23	0	0	247
884	246	315	14	0	0	247
885	251	314	16	0	0	247
886	253	313	14	0	0	247
887	261	312	14	0	0	247
888	257	311	14	0	0	247
889	247	310	14	0	0	247
890	248	309	15	0	0	247
891	255	308	14	0	0	247
892	256	307	16	0	0	247
893	258	306	14	0	0	247
894	260	305	14	0	0	247
895	262	304	16	0	0	247
896	250	303	16	0	0	247
897	254	302	16	0	0	247
898	259	301	14	0	0	247
899	252	300	16	0	0	247
900	263	299	16	0	0	247
901	249	298	14	0	0	247
902	142	265	14	0	0	247
903	143	264	14	0	0	247
904	144	263	16	0	0	247
905	145	262	16	0	0	247
906	138	261	14	0	0	247
907	140	260	14	0	0	247
908	139	259	14	0	0	247
909	141	258	14	0	0	247
910	137	257	14	0	0	247
911	136	256	16	0	0	247
912	131	255	14	0	0	247
913	132	254	16	0	0	247
914	130	253	14	0	0	247
915	135	252	16	0	0	247
916	133	251	16	0	0	247
917	134	250	16	0	0	247
918	147	249	14	0	0	247
919	148	248	15	0	0	247
920	152	247	14	0	0	247
921	153	246	14	0	0	247
922	155	245	14	0	0	247
923	159	244	16	0	0	247
924	161	243	23	0	0	247
925	151	242	14	0	0	247
926	156	241	14	0	0	247
927	154	240	14	0	0	247
928	157	239	16	0	0	247
929	158	238	16	0	0	247
930	160	236	16	0	0	247
931	149	235	14	0	0	247
932	150	234	14	0	0	247
933	146	233	14	0	0	247
934	127	195	1	35	0	204
935	126	194	1	35	0	204
936	51	160	1	35	0	204
937	50	159	1	35	0	204
938	49	158	1	35	0	204
939	48	157	1	35	0	204

940	47	156	1	35	0	204
941	46	155	1	35	0	204
942	45	154	1	35	0	204
943	44	153	1	35	0	204
944	43	152	1	35	0	204
945	42	151	1	35	0	204
946	41	150	1	35	0	204
947	40	149	1	35	0	204
948	39	148	1	35	0	204
949	38	147	1	35	0	204
950	37	146	1	35	0	204
951	36	145	1	35	0	204
952	35	144	1	35	0	204
953	34	143	1	35	0	204
954	33	142	1	35	0	204
955	32	141	1	35	0	204
956	31	140	1	35	0	204
957	30	139	1	35	0	204
958	29	138	1	35	0	204
959	28	137	1	35	0	204
960	27	136	1	35	0	204
961	26	135	1	35	0	204
962	582	134	1	35	0	204
963	469	133	1	35	0	204
964	23	132	1	35	0	204
965	22	131	1	35	0	204
966	21	130	1	35	0	204

ELEMENTI TIPO (Fase 1)

TRAVE SEZIONE DOPPIO T

Tipo	wd	wt	tft	tfw	bft	bfw	vi	vj
Materiale elastico: E=336705 G=168352								
1	55.0000	35.0000	0.0000	0.0000	0.0000	0.0000	0	0
2	25.0000	60.0000	0.0000	0.0000	0.0000	0.0000	0	0
3	25.0000	70.0000	0.0000	0.0000	0.0000	0.0000	0	0
5	30.0000	45.0000	0.0000	0.0000	0.0000	0.0000	0	0
6	30.0000	70.0000	0.0000	0.0000	0.0000	0.0000	0	0
7	30.0000	80.0000	0.0000	0.0000	0.0000	0.0000	0	0
8	30.0000	40.0000	0.0000	0.0000	0.0000	0.0000	0	0
9	30.0000	35.0000	0.0000	0.0000	0.0000	0.0000	0	0
Materiale elastico: E=332306 G=166153								
10	30.0000	35.0000	0.0000	0.0000	0.0000	0.0000	0	0
Materiale elastico: E=336705 G=168352								
14	50.0000	30.0000	0.0000	0.0000	0.0000	0.0000	0	0
15	45.0000	30.0000	0.0000	0.0000	0.0000	0.0000	0	0
16	40.0000	30.0000	0.0000	0.0000	0.0000	0.0000	0	0
18	25.0000	50.0000	0.0000	0.0000	0.0000	0.0000	0	0
19	25.0000	35.0000	0.0000	0.0000	0.0000	0.0000	0	0
20	55.0000	30.0000	0.0000	0.0000	0.0000	0.0000	0	0
21	25.0000	55.0000	0.0000	0.0000	0.0000	0.0000	0	0
23	30.0000	50.0000	0.0000	0.0000	0.0000	0.0000	0	0
24	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
25	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
26	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
27	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
28	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
29	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
30	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
31	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
32	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
33	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
34	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0

35	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
36	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
37	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
38	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
39	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
40	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
41	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
42	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
43	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
44	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
45	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
46	0.0000	0.0000	35.0000	60.0000	0.0000	0.0000	0	0
47	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
48	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
49	0.0000	0.0000	35.0000	60.0000	0.0000	0.0000	0	0
50	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
51	0.0000	0.0000	35.0000	60.0000	0.0000	0.0000	0	0
52	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
53	0.0000	0.0000	35.0000	60.0000	0.0000	0.0000	0	0
54	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
55	0.0000	0.0000	35.0000	60.0000	0.0000	0.0000	0	0
56	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
57	0.0000	0.0000	35.0000	60.0000	0.0000	0.0000	0	0
58	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
59	0.0000	0.0000	35.0000	60.0000	0.0000	0.0000	0	0
60	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
61	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0

Materiale elastico: E=332306 G=166153

62	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
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Materiale elastico: E=336705 G=168352

63	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
64	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
65	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
66	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0

Materiale elastico: E=332306 G=166153

67	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
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Materiale elastico: E=336705 G=168352

68	0.0000	0.0000	30.0000	50.0000	0.0000	0.0000	0	0
69	0.0000	0.0000	30.0000	45.0000	0.0000	0.0000	0	0
70	0.0000	0.0000	30.0000	45.0000	0.0000	0.0000	0	0
71	0.0000	0.0000	30.0000	45.0000	0.0000	0.0000	0	0
72	0.0000	0.0000	30.0000	40.0000	0.0000	0.0000	0	0
73	0.0000	0.0000	30.0000	40.0000	0.0000	0.0000	0	0

Materiale elastico: E=332306 G=166153

74	0.0000	0.0000	30.0000	45.0000	0.0000	0.0000	0	0
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Materiale elastico: E=336705 G=168352

75	0.0000	0.0000	30.0000	40.0000	0.0000	0.0000	0	0
76	0.0000	0.0000	30.0000	40.0000	0.0000	0.0000	0	0
77	0.0000	0.0000	30.0000	40.0000	0.0000	0.0000	0	0

Materiale elastico: E=332306 G=166153

78	0.0000	0.0000	30.0000	40.0000	0.0000	0.0000	0	0
79	0.0000	0.0000	30.0000	40.0000	0.0000	0.0000	0	0

Materiale elastico: E=336705 G=168352

80	0.0000	0.0000	25.0000	70.0000	0.0000	0.0000	0	0
81	0.0000	0.0000	25.0000	55.0000	0.0000	0.0000	0	0
82	0.0000	0.0000	25.0000	55.0000	0.0000	0.0000	0	0
83	0.0000	0.0000	25.0000	55.0000	0.0000	0.0000	0	0
84	0.0000	0.0000	25.0000	75.0000	0.0000	0.0000	0	0
85	0.0000	0.0000	55.0000	30.0000	0.0000	0.0000	0	0

GUSCIO**Tipo****Tk**

Materiale elastico: E=332306

13	20.0000
17	30.0000

PIASTRA WINKLER**Tipo****Tk**

Materiale elastico: E=332306 K=5

11	50.0000
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TRAVE SEZIONE POLIGONALE**Tipo****z****y****vi****vj**

Materiale elastico: E=336705 G=168352

4	-19.8684	-16.7105	0	0
	25.1316			-16.7105
	25.1316			8.2895
	0.1316			8.2895
	0.1316			23.2895
	-19.8684			23.2895
22	-19.8684	-23.2895	0	0
	0.1316			-23.2895
	0.1316			-8.2895
	25.1316			-8.2895
	25.1316			16.7105
	-19.8684			16.7105
86	0.1316	-8.2890	0	0
	0.1316			6.7110
	-19.8684			6.7110
	-19.8684			-33.2890
	25.1316			-33.2890
	25.1316			-8.2890
87	0.1316	-8.2890	0	0
	0.1316			6.7110
	-19.8684			6.7110
	-19.8684			-33.2890
	25.1316			-33.2890
	25.1316			-8.2890
88	0.1316	-8.2890	0	0
	0.1316			6.7110
	-19.8684			6.7110
	-19.8684			-33.2890
	25.1316			-33.2890
	25.1316			-8.2890
89	0.1316	-8.2890	0	0
	0.1316			6.7110
	-19.8684			6.7110
	-19.8684			-33.2890
	25.1316			-33.2890
	25.1316			-8.2890
90	0.1316	-8.2890	0	0
	0.1316			6.7110
	-19.8684			6.7110
	-19.8684			-33.2890
	25.1316			-33.2890
	25.1316			-8.2890
91	0.1316	-8.2890	0	0
	0.1316			6.7110
	-19.8684			6.7110
	-19.8684			-33.2890
	25.1316			-33.2890
	25.1316			-8.2890

92	0.1316	-8.2890	0	0
	0.1316			6.7110
	-19.8684			6.7110
	-19.8684			-33.2890
	25.1316			-33.2890
	25.1316			-8.2890
93	0.1316	-8.2890	0	0
	0.1316			6.7110
	-19.8684			6.7110
	-19.8684			-33.2890
	25.1316			-33.2890
	25.1316			-8.2890
94	0.1316	-8.2890	0	0
	0.1316			6.7110
	-19.8684			6.7110
	-19.8684			-33.2890
	25.1316			-33.2890
	25.1316			-8.2890
95	0.1316	-8.2890	0	0
	0.1316			6.7110
	-19.8684			6.7110
	-19.8684			-33.2890
	25.1316			-33.2890
	25.1316			-8.2890
96	0.1316	-8.2890	0	0
	0.1316			6.7110
	-19.8684			6.7110
	-19.8684			-33.2890
	25.1316			-33.2890
	25.1316			-8.2890
97	0.1316	-8.2890	0	0
	0.1316			6.7110
	-19.8684			6.7110
	-19.8684			-33.2890
	25.1316			-33.2890
	25.1316			-8.2890
98	0.1316	-8.2890	0	0
	0.1316			6.7110
	-19.8684			6.7110
	-19.8684			-33.2890
	25.1316			-33.2890
	25.1316			-8.2890
99	0.1316	-8.2890	0	0
	0.1316			6.7110
	-19.8684			6.7110
	-19.8684			-33.2890
	25.1316			-33.2890
	25.1316			-8.2890
100	0.1316	-8.2890	0	0
	0.1316			6.7110
	-19.8684			6.7110
	-19.8684			-33.2890
	25.1316			-33.2890
	25.1316			-8.2890
101	0.1316	-8.2890	0	0
	0.1316			6.7110
	-19.8684			6.7110
	-19.8684			-33.2890
	25.1316			-33.2890
	25.1316			-8.2890

Tipi di carico

Nome	Tipo	Grav.	Gamma fav	Gamma sfav.	Gamma sismico	Psi 0	Psi 1	Psi 2	Psi 2 sismico	Phi (coeff. correl.)
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Combinazione	combinazione		nd	1.00	1.00	nd	nd	nd	nd	nd
Permanente	permanente	*	1.00	1.30	1.00	nd	nd	nd	nd	nd
Permanente non strutt.	permanente	*	0.80	1.50	1.00	nd	nd	nd	nd	nd
Sismico SLV	sismico		nd	1.00	0.00	nd	nd	nd	nd	nd
Sismico SLD	sismico		nd	1.00	0.00	nd	nd	nd	nd	nd
Sismico SLO	sismico		nd	1.00	0.00	nd	nd	nd	nd	nd
Sismico SLC	sismico		nd	1.00	0.00	nd	nd	nd	nd	nd
Torcente SLV	sismico correlato		nd	1.00	0.00	nd	nd	nd	nd	nd
Torcente SLD	sismico correlato		nd	1.00	0.00	nd	nd	nd	nd	nd
Torcente SLO	sismico correlato		nd	1.00	0.00	nd	nd	nd	nd	nd
Torcente SLC	sismico correlato		nd	1.00	0.00	nd	nd	nd	nd	nd
Cat. A: Residenziale	variabile	*	nd	1.50	1.00	0.70	0.50	0.30	0.30	1.00
Cat. B: Uffici	variabile	*	nd	1.50	1.00	0.70	0.50	0.30	0.30	1.00
Cat. C: Affollamento	variabile	*	nd	1.50	1.00	0.70	0.70	0.60	0.60	1.00
Cat. D: Commerciale	variabile	*	nd	1.50	1.00	0.70	0.70	0.60	0.60	1.00
Cat. E: Magazzini	variabile	*	nd	1.50	1.00	1.00	0.90	0.80	0.80	1.00
Cat. F: Rimesse (<30kN)	variabile	*	nd	1.50	1.00	0.70	0.70	0.60	0.60	1.00
Cat. G: Rimesse (>30kN)	variabile	*	nd	1.50	1.00	0.70	0.50	0.30	0.30	1.00
Cat. H: Copertura	variabile	*	nd	1.50	1.00	0.00	0.00	0.00	0.20	1.00
Neve (q<1000)	variabile	*	nd	1.50	1.00	0.50	0.20	0.00	0.00	1.00
Neve (q>1000)	variabile	*	nd	1.50	1.00	0.70	0.50	0.20	0.00	1.00
Vento	variabile non contemporaneo		nd	1.50	0.00	0.60	0.20	0.00	0.00	1.00
Temperatura	variabile non contemporaneo		nd	1.50	0.00	0.60	0.50	0.00	0.00	1.00

SPETTRI DI RISPOSTA	
SLDh	
fattore q automatico SI	
Dir. azione sismica orizzontale	
regolare in pianta SI	
regolare in altezza SI	
numero di intervalli 32	
materiale struttura Calcestruzzo	
tipologia struttura strutture a pareti accoppiate o miste equivalenti a pareti	
forma dello spettro Elastico	
categoria del suolo	Depositi di sabbie e ghiaie mediamente addensate o di argille di media consistenza
classe di duttilità	Bassa
categoria topografica T1	
normativa DM 2018	
zona sismica AgS > 0.075g	
classe d'uso II	
tipo di stato limite SLD	
durata totale 2.00	
smorzamento 5.00	
f0 2.39	
Ag/g 0.08	
Tc* 0.27	
longitudine 12.04	
latitudine 44.23	
Pv 0.63	
Vr 50.00	
% quota sul pendio 1.00	
Tr 50.29	
fattore q effettivo 1.00	
fattore n effettivo 1.00	
fattore s effettivo 1.50	
periodo	risposta
0.00000	1.50000
0.06452	2.42446
0.14563	3.58675
0.19355	3.58675
0.25806	3.58675

0.32258	3.58675
0.38710	3.58675
0.43689	3.58675
0.51613	3.03608
0.58065	2.69874
0.64516	2.42886
0.70968	2.20806
0.77419	2.02405
0.83871	1.86836
0.90323	1.73490
0.96774	1.61924
1.03226	1.51804
1.09677	1.42874
1.16129	1.34937
1.22581	1.27835
1.29032	1.21443
1.35484	1.15660
1.41935	1.10403
1.48387	1.05603
1.54839	1.01203
1.61290	0.97154
1.67742	0.93418
1.74194	0.89958
1.80645	0.86745
1.87097	0.83754
1.93548	0.80962
2.00000	0.75935

SLVh

fattore q automatico SI

Dir. azione sismica orizzontale

regolare in pianta SI

regolare in altezza SI

numero di intervalli 32

materiale struttura Calcestruzzo

tipologia struttura strutture a pareti accoppiate o miste equivalenti a pareti

forma dello spettro Inelastico

categoria del suolo Depositi di sabbie e ghiaie mediamente addensate o di argille di media consistenza

classe di duttilità Bassa

categoria topografica T1

normativa DM 2018

zona sismica AgS > 0.075g

classe d'uso II

tipo di stato limite SLV

durata totale 2.42

smorzamento 5.00

f0 2.43

Ag/g 0.21

Tc* 0.30

longitudine 12.04

latitudine 44.23

Pv 0.10

Vr 50.00

% quota sul pendio 1.00

Tr 474.56

fattore q effettivo 3.60

fattore n effettivo 1.00

fattore s effettivo 1.40

periodo risposta

0.00000 1.40086

0.07809 1.17390

0.15669 0.94545

0.23427 0.94545

0.31236 0.94545

0.39045 0.94545

0.47007	0.94545
0.54663	0.81303
0.62472	0.71140
0.70281	0.63236
0.78090	0.56912
0.85899	0.51739
0.93708	0.47427
1.01517	0.43779
1.09326	0.40652
1.17135	0.37942
1.24944	0.35570
1.32753	0.33478
1.40562	0.31618
1.48371	0.29954
1.56180	0.28456
1.63989	0.27101
1.71798	0.25869
1.79607	0.24745
1.87416	0.23713
1.95225	0.22765
2.03034	0.21889
2.10843	0.21079
2.18652	0.20326
2.26461	0.20000
2.34270	0.20000
2.42079	0.20000

CARICHI UNIFORMI TIPO (Fase 1)

Condizione di carico: "#6 spinta delle terre" Tipo: "Permanente"

Tipo	cdx	cdy	cdz	ref	lato
1	0.0000e+00	0.0000e+00	2.5618e-01	loc	0
2	0.0000e+00	0.0000e+00	1.5371e-01	loc	0
3	0.0000e+00	0.0000e+00	5.1235e-02	loc	0
4	0.0000e+00	0.0000e+00	2.5618e-02	loc	0
5	0.0000e+00	0.0000e+00	3.8427e-02	loc	0
6	0.0000e+00	0.0000e+00	7.6853e-02	loc	0

Condizione di carico: "#5 tamponamenti esterni" Tipo: "Permanente non strutt."

Tipo	cdx	cdy	cdz	ref	lato
7	0.0000e+00	0.0000e+00	-4.9500e+00	gb1	0
9	0.0000e+00	0.0000e+00	-9.9000e+00	gb1	0
12	0.0000e+00	0.0000e+00	-9.9000e+00	gb1	0
13	0.0000e+00	0.0000e+00	-4.9500e+00	gb1	0
15	0.0000e+00	0.0000e+00	-9.9000e+00	gb1	0
18	0.0000e+00	0.0000e+00	-4.9500e+00	gb1	0
22	0.0000e+00	0.0000e+00	-4.9500e+00	gb1	0
26	0.0000e+00	0.0000e+00	-9.9000e+00	gb1	0
36	0.0000e+00	0.0000e+00	-4.9500e+00	gb1	0
37	0.0000e+00	0.0000e+00	-9.9000e+00	gb1	0

Condizione di carico: "#4 Accidentale neve" Tipo: "Neve (q<1000)"

Tipo	cdx	cdy	cdz	ref	lato
18	0.0000e+00	0.0000e+00	-3.7440e+00	gb1	0
19	0.0000e+00	0.0000e+00	-1.9080e+00	gb1	0
20	0.0000e+00	0.0000e+00	-3.8160e+00	gb1	0
21	0.0000e+00	0.0000e+00	-3.0580e+00	gb1	0
22	0.0000e+00	0.0000e+00	-1.1580e+00	gb1	0
23	0.0000e+00	0.0000e+00	-4.4700e+00	gb1	0
24	0.0000e+00	0.0000e+00	-2.8140e+00	gb1	0
25	0.0000e+00	0.0000e+00	-6.6240e+00	gb1	0

Condizione di carico: "#3 Accidentale cat H" Tipo: "Cat. H: Copertura"

Tipo	cdx	cdy	cdz	ref	lato
18	0.0000e+00	0.0000e+00	-1.5600e+00	gb1	0
19	0.0000e+00	0.0000e+00	-7.9500e-01	gb1	0
20	0.0000e+00	0.0000e+00	-1.5900e+00	gb1	0
21	0.0000e+00	0.0000e+00	-1.6080e+00	gb1	0

22	0.0000e+00	0.0000e+00	-4.8300e-01	gb1	0
23	0.0000e+00	0.0000e+00	-1.8630e+00	gb1	0
24	0.0000e+00	0.0000e+00	-1.1730e+00	gb1	0
25	0.0000e+00	0.0000e+00	-2.7600e+00	gb1	0

Condizione di carico: "#2 Accidentale cat A" Tipo: "Cat. A: Residenziale"

Tipo	cdx	cdy	cdz	ref	lato
7	0.0000e+00	0.0000e+00	-6.2400e+00	gb1	0
8	0.0000e+00	0.0000e+00	-6.2400e+00	gb1	0
9	0.0000e+00	0.0000e+00	-6.2400e+00	gb1	0
10	0.0000e+00	0.0000e+00	-6.4300e+00	gb1	0
11	0.0000e+00	0.0000e+00	-3.9000e+00	gb1	0
12	0.0000e+00	0.0000e+00	-3.9000e+00	gb1	0
13	0.0000e+00	0.0000e+00	-3.9000e+00	gb1	0
14	0.0000e+00	0.0000e+00	-7.4700e+00	gb1	0
15	0.0000e+00	0.0000e+00	-7.4700e+00	gb1	0
16	0.0000e+00	0.0000e+00	-5.5200e+00	gb1	0
17	0.0000e+00	0.0000e+00	-1.1040e+01	gb1	0
26	0.0000e+00	0.0000e+00	-3.8000e+00	gb1	0
27	0.0000e+00	0.0000e+00	-7.4700e+00	gb1	0
28	0.0000e+00	0.0000e+00	-5.0000e+00	gb1	0
29	0.0000e+00	0.0000e+00	-1.1000e+01	gb1	0
30	0.0000e+00	0.0000e+00	-7.4000e+00	gb1	0
31	0.0000e+00	0.0000e+00	-6.3800e+00	gb1	0
32	0.0000e+00	0.0000e+00	-7.4000e+00	gb1	0
33	0.0000e+00	0.0000e+00	-4.9500e+00	gb1	0
34	0.0000e+00	0.0000e+00	-9.9000e+00	gb1	0

Condizione di carico: "#1 Permanenti portati e propri " Tipo: "Permanente non strutt."

Tipo	cdx	cdy	cdz	ref	lato
7	0.0000e+00	0.0000e+00	-1.9906e+01	gb1	0
8	0.0000e+00	0.0000e+00	-1.9906e+01	gb1	0
9	0.0000e+00	0.0000e+00	-1.9906e+01	gb1	0
10	0.0000e+00	0.0000e+00	-2.0512e+01	gb1	0
11	0.0000e+00	0.0000e+00	-1.2441e+01	gb1	0
12	0.0000e+00	0.0000e+00	-1.2441e+01	gb1	0
13	0.0000e+00	0.0000e+00	-1.2441e+01	gb1	0
14	0.0000e+00	0.0000e+00	-2.3829e+01	gb1	0
15	0.0000e+00	0.0000e+00	-2.3829e+01	gb1	0
16	0.0000e+00	0.0000e+00	-1.7609e+01	gb1	0
17	0.0000e+00	0.0000e+00	-3.5218e+01	gb1	0
18	0.0000e+00	0.0000e+00	-1.8000e+01	gb1	0
19	0.0000e+00	0.0000e+00	-9.1740e+00	gb1	0
20	0.0000e+00	0.0000e+00	-1.8349e+01	gb1	0
21	0.0000e+00	0.0000e+00	-1.8551e+01	gb1	0
22	0.0000e+00	0.0000e+00	-5.5600e+00	gb1	0
23	0.0000e+00	0.0000e+00	-2.1493e+01	gb1	0
24	0.0000e+00	0.0000e+00	-1.3531e+01	gb1	0
25	0.0000e+00	0.0000e+00	-3.1850e+01	gb1	0
26	0.0000e+00	0.0000e+00	-1.4545e+01	gb1	0
27	0.0000e+00	0.0000e+00	-2.8590e+01	gb1	0
28	0.0000e+00	0.0000e+00	-1.9138e+01	gb1	0
29	0.0000e+00	0.0000e+00	-4.2103e+01	gb1	0
30	0.0000e+00	0.0000e+00	-2.8240e+01	gb1	0
31	0.0000e+00	0.0000e+00	-2.4490e+01	gb1	0
32	0.0000e+00	0.0000e+00	-1.4545e+01	gb1	0
33	0.0000e+00	0.0000e+00	-1.2631e+01	gb1	0
34	0.0000e+00	0.0000e+00	-2.5262e+01	gb1	0

PESI PROPRI TIPO (Fase 1)

Condizione di carico: "#1 Permanenti portati e propri " Tipo: "Permanente non strutt."

Tipo	gm	gx	gy	gz
1	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
2	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
3	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00

4	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
5	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
6	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
7	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
8	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
9	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
10	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
11	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
12	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
13	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
14	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
15	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
16	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
17	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
18	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
19	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
20	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
21	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
22	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
23	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
24	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
25	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
26	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
27	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
28	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
29	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
30	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
31	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
32	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
33	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
34	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00
35	2.5000e-03	0.0000e+00	0.0000e+00	-1.0000e+00

FORZE TIPO (Fase 1)

Condizione di carico: "Torcente di piano SLV" Tipo: "Torcente SLV"

Tipo	Fx	Fy	Fz	Mx	My	Mz
2	0.0000e+00	0.0000e+00	0.0000e+00	0.0000e+00	0.0000e+00	3.5108e+06
3	0.0000e+00	0.0000e+00	0.0000e+00	0.0000e+00	0.0000e+00	7.1466e+06
4	0.0000e+00	0.0000e+00	0.0000e+00	0.0000e+00	0.0000e+00	1.0782e+07
5	0.0000e+00	0.0000e+00	0.0000e+00	0.0000e+00	0.0000e+00	1.0607e+07

Condizione di carico: "Torcente di piano SLD" Tipo: "Torcente SLD"

Tipo	Fx	Fy	Fz	Mx	My	Mz
2	0.0000e+00	0.0000e+00	0.0000e+00	0.0000e+00	0.0000e+00	5.4903e+06
3	0.0000e+00	0.0000e+00	0.0000e+00	0.0000e+00	0.0000e+00	1.1176e+07
4	0.0000e+00	0.0000e+00	0.0000e+00	0.0000e+00	0.0000e+00	1.6862e+07
5	0.0000e+00	0.0000e+00	0.0000e+00	0.0000e+00	0.0000e+00	1.6588e+07

MASSE TIPO (Fase 1)

Tipo	dn	md	dp
1	2.5484e-06	2.6081e-02	5.0000e-02
2	2.5484e-06	2.6081e-02	5.0000e-02
3	2.5484e-06	2.6081e-02	5.0000e-02
4	2.5484e-06	2.6081e-02	5.0000e-02
5	2.5484e-06	2.6081e-02	5.0000e-02
6	2.5484e-06	2.6081e-02	5.0000e-02
7	2.5484e-06	2.6081e-02	5.0000e-02
8	2.5484e-06	2.6081e-02	5.0000e-02
9	2.5484e-06	3.1428e-02	5.0000e-02
10	2.5484e-06	3.1428e-02	5.0000e-02
11	2.5484e-06	3.1428e-02	5.0000e-02
12	2.5484e-06	3.1428e-02	5.0000e-02
13	2.5484e-06	3.1428e-02	5.0000e-02

14	2.5484e-06	3.1428e-02	5.0000e-02
15	2.5484e-06	3.1428e-02	5.0000e-02
16	2.5484e-06	3.1428e-02	5.0000e-02
17	2.5484e-06	2.6081e-02	5.0000e-02
18	2.5484e-06	2.6081e-02	5.0000e-02
19	2.5484e-06	2.6081e-02	5.0000e-02
20	0.0000e+00	1.0092e-02	5.0000e-02
21	0.0000e+00	1.0092e-02	5.0000e-02
22	2.5484e-06	2.6081e-02	5.0000e-02
23	2.5484e-06	2.6081e-02	5.0000e-02
24	2.5484e-06	2.6081e-02	5.0000e-02
25	2.5484e-06	3.1428e-02	5.0000e-02
26	2.5484e-06	3.1428e-02	5.0000e-02
27	2.5484e-06	3.1428e-02	5.0000e-02
28	2.5484e-06	2.1038e-02	5.0000e-02
29	2.5484e-06	3.1428e-02	5.0000e-02
30	2.5484e-06	4.6282e-02	5.0000e-02
31	2.5484e-06	4.6282e-02	5.0000e-02
32	2.5484e-06	4.6282e-02	5.0000e-02
33	2.5484e-06	4.6282e-02	5.0000e-02
34	2.5484e-06	3.1050e-02	5.0000e-02
35	2.5484e-06	4.6282e-02	5.0000e-02
36	2.5484e-06	4.6282e-02	5.0000e-02
37	2.5484e-06	4.6282e-02	5.0000e-02
38	2.5484e-06	2.6915e-02	5.0000e-02
39	2.5484e-06	1.7090e-02	5.0000e-02
40	2.5484e-06	1.7090e-02	5.0000e-02
41	2.5484e-06	1.7090e-02	5.0000e-02
42	2.5484e-06	2.6915e-02	5.0000e-02
43	2.5484e-06	2.7246e-02	5.0000e-02
44	2.5484e-06	2.2200e-02	5.0000e-02
45	2.5484e-06	3.2292e-02	5.0000e-02
46	2.5484e-06	2.2876e-02	5.0000e-02
47	2.5484e-06	1.3875e-02	5.0000e-02
48	2.5484e-06	1.3875e-02	5.0000e-02
49	2.5484e-06	1.3875e-02	5.0000e-02
50	2.5484e-06	2.2876e-02	5.0000e-02
51	2.5484e-06	2.3966e-02	5.0000e-02
52	2.5484e-06	2.3966e-02	5.0000e-02
53	2.5484e-06	1.8920e-02	5.0000e-02
54	2.5484e-06	1.8920e-02	5.0000e-02
55	2.5484e-06	1.8920e-02	5.0000e-02
56	2.5484e-06	1.8920e-02	5.0000e-02
57	2.5484e-06	2.6575e-02	5.0000e-02
58	2.5484e-06	2.6575e-02	5.0000e-02
59	2.5484e-06	3.6667e-02	5.0000e-02
60	2.5484e-06	3.6667e-02	5.0000e-02
61	2.5484e-06	3.6667e-02	5.0000e-02
62	2.5484e-06	3.6667e-02	5.0000e-02
63	2.5484e-06	1.8920e-02	5.0000e-02
64	2.5484e-06	1.8920e-02	5.0000e-02
65	2.5484e-06	1.8920e-02	5.0000e-02
66	2.5484e-06	1.8920e-02	5.0000e-02
67	2.5484e-06	3.6667e-02	5.0000e-02
68	2.5484e-06	3.6667e-02	5.0000e-02
69	2.5484e-06	3.6667e-02	5.0000e-02
70	2.5484e-06	3.6667e-02	5.0000e-02
71	2.5484e-06	3.6667e-02	5.0000e-02
72	2.5484e-06	1.9638e-02	5.0000e-02
73	2.5484e-06	1.9638e-02	5.0000e-02
74	2.5484e-06	3.9276e-02	5.0000e-02
75	2.5484e-06	3.9276e-02	5.0000e-02
76	2.5484e-06	1.3875e-02	5.0000e-02
77	2.5484e-06	1.9638e-02	5.0000e-02
78	2.5484e-06	3.9276e-02	5.0000e-02

79	2.5484e-06	3.9276e-02	5.0000e-02
80	2.5484e-06	2.3394e-02	5.0000e-02
81	2.5484e-06	2.3394e-02	5.0000e-02
82	2.5484e-06	9.3517e-03	5.0000e-02
83	2.5484e-06	1.8704e-02	5.0000e-02
84	2.5484e-06	9.3517e-03	5.0000e-02
85	2.5484e-06	2.3394e-02	5.0000e-02
86	2.5484e-06	1.8910e-02	5.0000e-02
87	2.5484e-06	1.8910e-02	5.0000e-02
88	2.5484e-06	1.0714e-02	5.0000e-02
89	2.5484e-06	1.0714e-02	5.0000e-02
90	2.5484e-06	1.0714e-02	5.0000e-02
91	2.5484e-06	1.0714e-02	5.0000e-02
92	2.5484e-06	1.0714e-02	5.0000e-02
93	2.5484e-06	1.0714e-02	5.0000e-02
94	2.5484e-06	2.1909e-02	5.0000e-02
95	2.5484e-06	2.1909e-02	5.0000e-02
96	2.5484e-06	2.1909e-02	5.0000e-02
97	2.5484e-06	2.1909e-02	5.0000e-02
98	2.5484e-06	2.1909e-02	5.0000e-02
99	2.5484e-06	2.1909e-02	5.0000e-02
100	2.5484e-06	1.0714e-02	5.0000e-02
101	2.5484e-06	1.0714e-02	5.0000e-02
102	2.5484e-06	1.0714e-02	5.0000e-02
103	2.5484e-06	1.0714e-02	5.0000e-02
104	2.5484e-06	1.0714e-02	5.0000e-02
105	2.5484e-06	2.1909e-02	5.0000e-02
106	2.5484e-06	2.1909e-02	5.0000e-02
107	2.5484e-06	1.3793e-02	5.0000e-02
108	2.5484e-06	2.1909e-02	5.0000e-02
109	2.5484e-06	1.3793e-02	5.0000e-02
110	2.5484e-06	1.3793e-02	5.0000e-02
111	2.5484e-06	3.2467e-02	5.0000e-02
112	2.5484e-06	3.2467e-02	5.0000e-02
113	2.5484e-06	1.3793e-02	5.0000e-02
114	2.5484e-06	1.3793e-02	5.0000e-02
115	2.5484e-06	3.2467e-02	5.0000e-02
116	2.5484e-06	3.2467e-02	5.0000e-02
117	2.5484e-06	2.3394e-02	5.0000e-02
118	0.0000e+00	5.0459e-03	5.0000e-02
119	2.5484e-06	3.2292e-02	5.0000e-02
120	2.5484e-06	1.4389e-02	5.0000e-02
121	2.5484e-06	1.4389e-02	5.0000e-02
122	2.5484e-06	2.1909e-02	5.0000e-02
123	2.5484e-06	2.7246e-02	5.0000e-02
124	2.5484e-06	2.2200e-02	5.0000e-02
125	2.5484e-06	3.2292e-02	5.0000e-02
126	2.5484e-06	2.2876e-02	5.0000e-02
127	2.5484e-06	1.3875e-02	5.0000e-02
128	2.5484e-06	1.3875e-02	5.0000e-02
129	2.5484e-06	1.3875e-02	5.0000e-02
130	2.5484e-06	2.2876e-02	5.0000e-02
131	2.5484e-06	2.3966e-02	5.0000e-02
132	2.5484e-06	2.3966e-02	5.0000e-02
133	2.5484e-06	1.8920e-02	5.0000e-02
134	2.5484e-06	1.8920e-02	5.0000e-02
135	2.5484e-06	1.8920e-02	5.0000e-02
136	2.5484e-06	1.8920e-02	5.0000e-02
137	2.5484e-06	2.6575e-02	5.0000e-02
138	2.5484e-06	2.6575e-02	5.0000e-02
139	2.5484e-06	3.6667e-02	5.0000e-02
140	2.5484e-06	3.6667e-02	5.0000e-02
141	2.5484e-06	3.6667e-02	5.0000e-02
142	2.5484e-06	3.6667e-02	5.0000e-02
143	2.5484e-06	1.8920e-02	5.0000e-02

144	2.5484e-06	1.8920e-02	5.0000e-02
145	2.5484e-06	1.8920e-02	5.0000e-02
146	2.5484e-06	1.8920e-02	5.0000e-02
147	2.5484e-06	3.6667e-02	5.0000e-02
148	2.5484e-06	3.6667e-02	5.0000e-02
149	2.5484e-06	3.6667e-02	5.0000e-02
150	2.5484e-06	3.6667e-02	5.0000e-02
151	2.5484e-06	3.6667e-02	5.0000e-02
152	2.5484e-06	1.9638e-02	5.0000e-02
153	2.5484e-06	1.9638e-02	5.0000e-02
154	2.5484e-06	3.9276e-02	5.0000e-02
155	2.5484e-06	3.9276e-02	5.0000e-02
156	2.5484e-06	1.3875e-02	5.0000e-02
157	2.5484e-06	1.9638e-02	5.0000e-02
158	2.5484e-06	3.9276e-02	5.0000e-02
159	2.5484e-06	3.9276e-02	5.0000e-02
160	2.5484e-06	3.2292e-02	5.0000e-02
161	2.5484e-06	2.7246e-02	5.0000e-02
162	2.5484e-06	2.2200e-02	5.0000e-02
163	0.0000e+00	5.0459e-03	5.0000e-02
164	2.5484e-06	3.2292e-02	5.0000e-02
165	2.5484e-06	2.2876e-02	5.0000e-02
166	2.5484e-06	1.3875e-02	5.0000e-02
167	2.5484e-06	2.2876e-02	5.0000e-02
168	2.5484e-06	2.3966e-02	5.0000e-02
169	2.5484e-06	2.3966e-02	5.0000e-02
170	2.5484e-06	1.8920e-02	5.0000e-02
171	2.5484e-06	1.8920e-02	5.0000e-02
172	2.5484e-06	1.8920e-02	5.0000e-02
173	2.5484e-06	1.8920e-02	5.0000e-02
174	2.5484e-06	1.8920e-02	5.0000e-02
175	2.5484e-06	2.6575e-02	5.0000e-02
176	2.5484e-06	2.6575e-02	5.0000e-02
177	2.5484e-06	3.6667e-02	5.0000e-02
178	2.5484e-06	3.6667e-02	5.0000e-02
179	2.5484e-06	2.3966e-02	5.0000e-02
180	2.5484e-06	3.6667e-02	5.0000e-02
181	2.5484e-06	3.6667e-02	5.0000e-02
182	2.5484e-06	1.8920e-02	5.0000e-02
183	0.0000e+00	5.0459e-03	5.0000e-02
184	2.5484e-06	1.8920e-02	5.0000e-02
185	2.5484e-06	1.8920e-02	5.0000e-02
186	2.5484e-06	1.8920e-02	5.0000e-02
187	2.5484e-06	3.6667e-02	5.0000e-02
188	2.5484e-06	3.6667e-02	5.0000e-02
189	2.5484e-06	3.6667e-02	5.0000e-02
190	2.5484e-06	3.6667e-02	5.0000e-02
191	2.5484e-06	3.6667e-02	5.0000e-02
192	2.5484e-06	1.9638e-02	5.0000e-02
193	2.5484e-06	1.9638e-02	5.0000e-02
194	2.5484e-06	3.9276e-02	5.0000e-02
195	2.5484e-06	3.9276e-02	5.0000e-02
196	2.5484e-06	1.3875e-02	5.0000e-02
197	2.5484e-06	1.9638e-02	5.0000e-02
198	2.5484e-06	3.9276e-02	5.0000e-02
199	2.5484e-06	3.9276e-02	5.0000e-02
200	2.5484e-06	3.2292e-02	5.0000e-02
201	0.0000e+00	1.0092e-02	5.0000e-02
202	2.5484e-06	3.1428e-02	5.0000e-02
203	2.5484e-06	3.1428e-02	5.0000e-02
204	2.5484e-06	0.0000e+00	5.0000e-02
205	2.5484e-06	2.8779e-02	5.0000e-02
206	2.5484e-06	2.8779e-02	5.0000e-02
207	2.5484e-06	2.8779e-02	5.0000e-02
208	2.5484e-06	2.8779e-02	5.0000e-02

209	2.5484e-06	2.8779e-02	5.0000e-02
210	2.5484e-06	2.8779e-02	5.0000e-02
211	2.5484e-06	2.8779e-02	5.0000e-02
212	2.5484e-06	0.0000e+00	5.0000e-02
213	2.5484e-06	0.0000e+00	5.0000e-02
214	2.5484e-06	0.0000e+00	5.0000e-02
215	2.5484e-06	0.0000e+00	5.0000e-02
216	2.5484e-06	0.0000e+00	5.0000e-02
217	2.5484e-06	0.0000e+00	5.0000e-02
218	2.5484e-06	0.0000e+00	5.0000e-02
219	2.5484e-06	0.0000e+00	5.0000e-02
220	2.5484e-06	0.0000e+00	5.0000e-02
221	0.0000e+00	0.0000e+00	5.0000e-02
222	0.0000e+00	0.0000e+00	5.0000e-02
223	0.0000e+00	0.0000e+00	5.0000e-02
224	0.0000e+00	0.0000e+00	5.0000e-02
225	0.0000e+00	0.0000e+00	5.0000e-02
226	0.0000e+00	0.0000e+00	5.0000e-02
227	0.0000e+00	0.0000e+00	5.0000e-02
228	0.0000e+00	0.0000e+00	5.0000e-02
229	0.0000e+00	0.0000e+00	5.0000e-02
230	0.0000e+00	0.0000e+00	5.0000e-02
231	0.0000e+00	0.0000e+00	5.0000e-02
232	0.0000e+00	0.0000e+00	5.0000e-02
233	0.0000e+00	0.0000e+00	5.0000e-02
234	0.0000e+00	0.0000e+00	5.0000e-02
235	0.0000e+00	0.0000e+00	5.0000e-02
236	0.0000e+00	0.0000e+00	5.0000e-02
237	0.0000e+00	0.0000e+00	5.0000e-02
238	0.0000e+00	0.0000e+00	5.0000e-02
239	0.0000e+00	0.0000e+00	5.0000e-02
240	0.0000e+00	0.0000e+00	5.0000e-02
241	0.0000e+00	0.0000e+00	5.0000e-02
242	0.0000e+00	0.0000e+00	5.0000e-02
243	0.0000e+00	0.0000e+00	5.0000e-02
244	0.0000e+00	0.0000e+00	5.0000e-02
245	0.0000e+00	0.0000e+00	5.0000e-02
246	0.0000e+00	0.0000e+00	5.0000e-02
247	0.0000e+00	0.0000e+00	5.0000e-02
248	0.0000e+00	0.0000e+00	5.0000e-02
249	0.0000e+00	0.0000e+00	5.0000e-02

Dati di sintesi per piani													
Spostamenti dinamici di piano													
Piano	Quota	SLVx(tx)	SLVx(ty)	SPVx(rz)	SLVy(tx)	SLVy(ty)	SPVy(rz)	SLDx(tx)	SLDx(ty)	SPDx(rz)	SLDy(tx)	SLDy(ty)	SPDy(rz)
1	330.00	0.07	-0.02	-0.00	0.03	0.38	0.00	0.03	-0.01	-0.00	0.01	0.17	0.00
2	659.00	0.79	-0.07	0.00	-0.09	1.04	0.00	0.34	-0.03	0.00	-0.04	0.45	0.00
3	979.00	1.73	-0.16	0.00	-0.18	1.82	0.00	0.75	-0.07	0.00	-0.08	0.79	0.00
4	1299.00	2.61	-0.26	0.00	-0.27	2.63	0.00	1.13	-0.11	0.00	-0.12	1.14	0.00
5	1619.00	3.31	-0.39	0.00	-0.37	3.39	0.00	1.44	-0.17	0.00	-0.16	1.47	0.00

Gli spostamenti per SLV sono amplificati come da DM08 §7.3.3.3.

Risultanti sismiche di piano							
Piano	Quota	SLU	Fx	Fy	Mz	gx	gy
1	330.00	SLDx	292856.91	124432.05	250951546.91	1133.11	1326.15
2	659.00		-143532.30	57186.92	-265302268.98	1321.95	1495.10
3	979.00		-74740.77	-11759.34	-138780959.18	1321.95	1495.10
4	1299.00		-23438.95	23389.65	-67665656.08	1321.95	1495.10
5	1619.00		87808.49	-16769.57	103742361.77	1321.95	1495.10
1	330.00	SLDx	42702.41	-28977.59	333325508.91	1133.11	1326.15
2	659.00		-12945.71	-320022.75	-27904261.46	1321.95	1495.10

3	979.00		-4056.74	-273313.62	-47459386.75	1321.95	1495.10
4	1299.00		-6348.02	-164291.83	-23415701.44	1321.95	1495.10
5	1619.00		-11649.79	2878.93	9059615.72	1321.95	1495.10
1	330.00	SLVx	187271.32	79982.06	160843817.99	1133.11	1326.15
2	659.00		-94393.95	38984.33	-173893374.23	1321.95	1495.10
3	979.00		-49854.22	10527.73	-78801662.73	1321.95	1495.10
4	1299.00		-697.53	15886.34	-40270566.17	1321.95	1495.10
5	1619.00		58247.49	4640.07	51771333.96	1321.95	1495.10
1	330.00	SLVy	27573.05	-32763.41	221499551.61	1133.11	1326.15
2	659.00		-7264.00	-213107.23	-16730729.73	1321.95	1495.10
3	979.00		-2694.24	-175999.03	-29784160.17	1321.95	1495.10
4	1299.00		-4119.89	-98347.91	-17625132.69	1321.95	1495.10
5	1619.00		-7763.10	-457.85	5684228.35	1321.95	1495.10

Masse e dimensioni di piano

Piano	Quota	M	Gmx	Gmy	Lmin	Lmax
1	330.00	615.74	1292.11	1030.16	2105.00	2660.00
2	659.00	416.10	1288.61	1252.49	1488.00	2541.50
3	979.00	416.13	1288.61	1252.49	1488.00	2541.50
4	1299.00	416.13	1288.61	1252.49	1488.00	2541.50
5	1619.00	306.15	1260.80	1278.21	1488.00	2541.50

Per il piano **Piano** a quota **Quota** si espongono: massa di piano **M**, centro di massa **Gm**, dimensioni minime e massime del piano, incluse eventuali sporgenze **Lmin** ed **Lmax**.

Rigidezza di piano

Piano	Quota	Jx	Jy	Jt	Gjx	Gjy
1	330.00	13121867.29	2832980.64	24158157998426.32	-1124.22	865.03
2	659.00	1193656.96	1445548.93	2023984933706.13	861.07	1454.90
3	979.00	797991.97	1013620.12	1088881629061.66	1066.88	1468.49
4	1299.00	619444.96	702676.01	738779885469.10	1134.41	1458.03
5	1619.00	368875.24	349694.61	377489100076.94	1137.61	1468.89

Per il piano **Piano** a quota **Quota** si espongono: le rigidezze di piano **Jx**, **Jy** e **Jt** dove **Jt** è la rigidezza torsionale, il centro delle rigidezze **Gj**.

Altri parametri di piano

Piano	Quota	Thx	Thy	Ex	Ey	grx	gry	gmx	gmy	omega
1	330.00	0.00	0.01	-2416.33	-165.13	1346.77	1639.76	782.06	636.78	3.10
2	659.00	0.01	0.01	-427.54	202.41	1291.17	1352.01	813.17	524.25	3.03
3	979.00	0.02	0.01	-221.73	216.00	1208.04	1187.74	813.12	524.26	2.71
4	1299.00	0.01	0.01	-154.20	205.53	1159.12	1131.12	813.12	524.26	2.59
5	1619.00	0.01	0.01	-123.19	190.68	1119.68	1108.57	797.26	504.94	2.61

Per il piano **Piano** a quota **Quota** si espongono: i fattori di sensibilità allo spostamento laterale **Thx** e **Thy**, le eccentricità del centro di massa rispetto al centro di rigidezza **ex** ed **ey**, i giratori di rigidezza e di massa **gr** e **gm** ed infine il fattore di disaccoppiamento **omega** degli autovalori di piano.

Parametri riassuntivi

Nome	Definizione	Valore
A	Massima eccentricità	0.91
B	Massimo rapporto frequenze disaccoppiate traslazionale/torsionale	3.10
C	Massimo rapporto tra giratori di rigidezza	1.22
D	Massima variazione verticale di eccentricità	0.80
E	Massima variazione verticale di massa	0.32
F	Massima variazione verticale di rigidezza in aumento	0.00
G	Massima variazione verticale di rigidezza in diminuzione	0.86
H	Massimo coefficiente sensibilità spostamento laterale	0.02
I	Minima deformabilità torsionale	1.12
L	Amplificazione spostamenti sismici	3.60

M Amplificazione azione sismica per non Lin. Geom.
N Criterio di regolarità

1.00
Non regolare

Qui la struttura si definisce regolare se è vera la seguente espressione logica nella quale si sono indicate le variabili come più sopra esposto: $C < 1.5$ AND $E < 0.25$ AND $G < 0.3$ AND $F < 0.1$ AND $D < 0.25$ AND $((B < 1.0$ AND $A \leq 0.05)$ OR $(B \geq 1.0$ AND $A \leq 0.1))$.

INFORMAZIONI - ANALISI "_1718" (Fase 1)

Equazioni..... 2211
Semibanda..... 1383
Numero
blocchi..... 1
Zero 1.1603e-04
algoritmico.....
Tempo totale analisi
(sec)..... 0.08

INFORMAZIONI - ANALISI "_1743" (Fase 1)

Equazioni..... 2211
Semibanda..... 1383
Numero
blocchi..... 1
Zero 1.1603e-04
algoritmico.....
Tempo totale analisi
(sec)..... 0.08
Metodo di combinazione
modale.... SRSS

ACCELERAZIONI SISMICHE

Vect.	X	Y	Z	Spettro
1	82.98	0.00	0.00	SLDh
2	0.00	82.98	0.00	SLDh
3	201.30	0.00	0.00	SLVh
4	0.00	201.30	0.00	SLVh

Masse abilitate secondo: " X Y "

PERIODI PROPRI - ANALISI "_1743" (Fase 1)

modo	periodo(sec)
1	3.950274e-01
2	3.829690e-01
3	2.960531e-01
4	1.017303e-01
5	8.207382e-02
6	6.462739e-02
7	4.897811e-02
8	3.798571e-02

COEFFICIENTI DI PARTECIPAZIONE MODALE - ANALISI "_1743" (Fase 1)

Modo	x	y	z
1	34.29376	-2.82314	0.00000
2	-0.58619	37.60074	0.00000
3	-12.60039	-10.64569	0.00000
4	14.89340	-2.01296	0.00000
5	-0.42159	21.12351	0.00000
6	7.37189	9.47368	0.00000
7	11.99579	-2.46232	0.00000
8	-2.72341	-12.30639	0.00000

MASSA MODALE RELATIVA - ANALISI "_1743" (Fase 1)

Modo	x	y	z	s
1	0.49064	0.00333	0.00000	0.24698
2	0.00014	0.58982	0.00000	0.29498
3	0.06624	0.04728	0.00000	0.05676
4	0.09254	0.00169	0.00000	0.04711
5	0.00007	0.18615	0.00000	0.09311
6	0.02267	0.03744	0.00000	0.03006
7	0.06003	0.00253	0.00000	0.03128
8	0.00309	0.06318	0.00000	0.03314
	0.73543	0.93142	0.00000	0.83342

SMORZAMENTO MODALE - ANALISI "_1743" (Fase 1)

Modo	Smorzamento
1	1.00000
2	1.00000
3	1.00000
4	1.00000
5	1.00000
6	1.00000
7	1.00000
8	1.00000

FORLI Via Autoparco_ NOLIAN- A2.0- SFORZI

Generato mercoledì 1 giugno 2022 alle ore 13:11:16.
All-In-One EWS 52 (29.09.2021) build 8361
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SFORZI "#6 spinta delle terre" (Fase 1)

Generato da analisi lunedì 11 aprile 2022 alle ore 15:46:49.

Elem	Nodo	N	Vy	Vz	Mx	My	Mz
15	583	-5.6843e-14	3.6234e+00	2.6645e-15	-4.4456e+03	1.4211e-13	1.3618e+02
	437	5.6843e-14	-3.6234e+00	-2.6645e-15	4.4456e+03	1.4211e-13	4.1384e+02
16	430	2.2737e-13	-1.9768e+01	4.4409e-16	3.4568e+03	-1.1369e-13	-1.9244e+03
	583	-2.2737e-13	1.9768e+01	-4.4409e-16	-3.4568e+03	-5.6843e-14	-1.6694e+03
17	437	7.1054e-15	1.5830e+03	-4.2633e-14	-9.8132e+02	9.0949e-13	1.3827e+05
	133	-7.1054e-15	-1.5830e+03	4.2633e-14	9.8132e+02	0.0000e+00	4.9371e+04
18	428	0.0000e+00	1.7245e+03	-2.8422e-14	-2.6051e+03	2.7285e-12	1.4236e+05
	131	0.0000e+00	-1.7245e+03	2.8422e-14	2.6051e+03	0.0000e+00	6.2327e+04
19	427	1.1369e-13	1.5675e+03	0.0000e+00	-1.1712e+03	-1.8190e-12	1.2937e+05
	130	-1.1369e-13	-1.5675e+03	0.0000e+00	1.1712e+03	-3.6380e-12	5.6793e+04
20	430	8.5265e-14	1.7319e+03	2.8422e-14	-4.7328e+03	9.0949e-13	1.4592e+05
	132	-8.5265e-14	-1.7319e+03	-2.8422e-14	4.7328e+03	2.7285e-12	6.0294e+04
21	446	0.0000e+00	1.6709e+03	1.4211e-14	-6.3847e+03	9.0949e-13	1.4143e+05
	134	0.0000e+00	-1.6709e+03	-1.4211e-14	6.3847e+03	-9.0949e-13	5.8710e+04
22	455	-5.6843e-14	1.6214e+03	7.1054e-14	6.6455e+03	0.0000e+00	1.3803e+05
	135	5.6843e-14	-1.6214e+03	-7.1054e-14	-6.6455e+03	-3.6380e-12	5.6491e+04
23	460	-1.1369e-13	1.5887e+03	2.8422e-14	1.5332e+03	0.0000e+00	1.3451e+05
	136	1.1369e-13	-1.5887e+03	-2.8422e-14	-1.5332e+03	0.0000e+00	5.3870e+04
229	460	-1.1369e-13	-3.4854e+00	8.8818e-16	-2.4901e+03	-2.8422e-13	-1.8624e+02
	25	1.1369e-13	3.4854e+00	-8.8818e-16	2.4901e+03	-5.6843e-14	-9.1230e+02
230	455	-5.6843e-14	-5.7615e-01	4.4409e-16	-1.3387e+02	0.0000e+00	-9.0503e+01
	460	5.6843e-14	5.7615e-01	-4.4409e-16	1.3387e+02	-1.1369e-13	-8.4408e+01
231	446	-2.8422e-14	-1.2450e+00	3.3307e-16	-1.0891e+02	0.0000e+00	-1.9891e+02
	455	2.8422e-14	1.2450e+00	-3.3307e-16	1.0891e+02	0.0000e+00	-2.4205e+02
232	437	5.6843e-14	-1.3965e+00	-5.5511e-17	1.2067e+02	2.8422e-14	-1.3936e+02
	446	-5.6843e-14	1.3965e+00	5.5511e-17	-1.2067e+02	-4.2633e-14	-2.8460e+02
233	428	5.6843e-14	-4.0086e+00	-2.2204e-16	5.8619e+02	-2.8422e-14	-5.5411e+02
	430	-5.6843e-14	4.0086e+00	2.2204e-16	-5.8619e+02	-2.8422e-14	-7.4543e+02
234	427	-2.8422e-14	-1.9864e+00	0.0000e+00	9.8049e+02	1.1369e-13	-2.8210e+02
	428	2.8422e-14	1.9864e+00	0.0000e+00	-9.8049e+02	0.0000e+00	-3.2096e+02

235	490	1.1369e-13	4.3052e+00	-4.4409e-16	7.3391e+03	5.6843e-14	1.0459e+03
	427	-1.1369e-13	-4.3052e+00	4.4409e-16	-7.3391e+03	0.0000e+00	2.5895e+02
236	410	5.6843e-14	-8.5559e-01	0.0000e+00	4.9423e+02	-5.6843e-14	-7.9191e+01
	471	-5.6843e-14	8.5559e-01	0.0000e+00	-4.9423e+02	-5.6843e-14	-1.9048e+02
237	408	5.6843e-14	-1.0921e+00	4.4409e-16	-1.4483e+02	2.2737e-13	-1.5583e+02
	410	-5.6843e-14	1.0921e+00	-4.4409e-16	1.4483e+02	1.7053e-13	-1.7571e+02
238	405	0.0000e+00	-1.1889e+00	-2.2204e-16	3.6582e+02	-2.8422e-14	-1.8853e+02
	408	0.0000e+00	1.1889e+00	2.2204e-16	-3.6582e+02	8.5265e-14	-2.3257e+02
239	404	8.5265e-14	-2.3222e+00	1.1102e-16	-1.3480e+02	-2.8422e-14	-3.6966e+02
	405	-8.5265e-14	2.3222e+00	-1.1102e-16	1.3480e+02	7.1054e-15	-3.3533e+02
240	403	2.8422e-14	-2.1487e+00	5.5511e-17	-1.1774e+02	-1.4211e-14	-3.5895e+02
	404	-2.8422e-14	2.1487e+00	-5.5511e-17	1.1774e+02	1.4211e-14	-4.0210e+02
241	402	8.5265e-14	-3.2561e+00	0.0000e+00	-3.0143e+02	0.0000e+00	-4.8322e+02
	403	-8.5265e-14	3.2561e+00	0.0000e+00	3.0143e+02	5.6843e-14	-5.0529e+02
242	401	8.5265e-14	-2.2837e+00	-4.4409e-16	-1.9155e+03	5.6843e-14	-3.1908e+02
	402	-8.5265e-14	2.2837e+00	4.4409e-16	1.9155e+03	0.0000e+00	-3.7422e+02
243	470	8.5265e-14	-9.9832e-02	8.8818e-16	-9.4658e+03	-1.1369e-13	2.2182e+02
	401	-8.5265e-14	9.9832e-02	-8.8818e-16	9.4658e+03	0.0000e+00	-2.5213e+02
244	158	-4.2633e-14	-2.2000e+02	4.4409e-16	6.9726e+02	1.1369e-13	-3.7272e+04
	405	4.2633e-14	2.2000e+02	-4.4409e-16	-6.9726e+02	0.0000e+00	-7.9057e+04
245	152	-1.4211e-14	-2.1850e+02	1.3323e-15	9.4744e+02	-2.2737e-13	-3.7404e+04
	403	1.4211e-14	2.1850e+02	-1.3323e-15	-9.4744e+02	-3.4106e-13	-7.8164e+04
246	160	2.8422e-14	-2.1488e+02	4.4409e-16	-2.8103e+02	3.4106e-13	-3.6523e+04
	410	-2.8422e-14	2.1488e+02	-4.4409e-16	2.8103e+02	3.4106e-13	-7.7046e+04
247	159	5.6843e-14	-2.1293e+02	8.8818e-16	-9.5441e+02	1.1369e-13	-3.6181e+04
	408	-5.6843e-14	2.1293e+02	-8.8818e-16	9.5441e+02	3.4106e-13	-7.6426e+04
248	157	-5.0626e-14	-2.1920e+02	4.4409e-16	4.5601e+01	-1.1369e-13	-3.7217e+04
	404	5.0626e-14	2.1920e+02	-4.4409e-16	-4.5601e+01	-1.1369e-13	-7.8630e+04
249	150	2.8422e-14	-2.1471e+02	0.0000e+00	6.4444e+02	0.0000e+00	-3.6860e+04
	402	-2.8422e-14	2.1471e+02	0.0000e+00	-6.4444e+02	-2.2737e-13	-7.6671e+04
250	149	0.0000e+00	-1.8215e+02	-4.4409e-16	-8.7260e+02	-4.5475e-13	-3.1305e+04
	401	0.0000e+00	1.8215e+02	4.4409e-16	8.7260e+02	-1.1369e-13	-6.4968e+04
332	172	0.0000e+00	-2.2033e+02	1.7764e-15	-7.7011e+02	2.2737e-13	-2.5158e+04
	489	0.0000e+00	2.2033e+02	-1.7764e-15	7.7011e+02	2.2737e-13	-4.3444e+04
333	139	1.1369e-13	3.5498e+01	2.6645e-15	2.3497e+02	-1.1369e-13	4.3210e+03
	172	-1.1369e-13	-3.5498e+01	-2.6645e-15	-2.3497e+02	0.0000e+00	6.7898e+03
334	179	-2.8422e-13	-4.0835e+00	3.5527e-15	-1.6559e+02	0.0000e+00	-8.5735e+02
	57	2.8422e-13	4.0835e+00	-3.5527e-15	1.6559e+02	-1.3642e-12	-4.1410e+02
335	259	5.6843e-14	-7.3083e+00	-3.5527e-15	-3.7618e+02	2.2737e-13	-1.6670e+03
	179	-5.6843e-14	7.3083e+00	3.5527e-15	3.7618e+02	-2.2737e-13	-6.2046e+02
336	2	0.0000e+00	7.8679e-01	5.3291e-15	-2.7860e+01	2.2737e-13	4.3804e+01
	3	0.0000e+00	-7.8679e-01	-5.3291e-15	2.7860e+01	-4.5475e-13	1.3204e+02
337	54	2.2737e-13	2.5574e-01	8.8818e-16	-1.8132e+01	-1.1369e-13	1.8114e+01
	4	-2.2737e-13	-2.5574e-01	-8.8818e-16	1.8132e+01	1.1369e-13	3.9043e+01
338	56	1.1369e-13	-1.4209e-01	0.0000e+00	-4.5486e+02	1.1369e-13	-5.1501e+01
	55	-1.1369e-13	1.4209e-01	0.0000e+00	4.5486e+02	1.1369e-13	1.9743e+01
339	59	0.0000e+00	-3.6064e-01	-2.6645e-15	-5.3230e+02	2.2737e-13	-3.5696e+01
	57	0.0000e+00	3.6064e-01	2.6645e-15	5.3230e+02	5.6843e-13	-4.4907e+01
340	71	9.0949e-13	-2.0495e+01	1.7053e-12	-7.9650e+01	1.3642e-11	-1.2060e+02
	68	-9.0949e-13	2.0495e+01	-1.7053e-12	7.9650e+01	1.0914e-11	-1.6924e+02
341	66	-2.9559e-12	5.9890e+01	2.2737e-13	-2.5426e+02	2.7285e-12	3.6807e+02

	69	2.9559e-12	-5.9890e+01	-2.2737e-13	2.5426e+02	9.0949e-13	4.7891e+02
342	72	-7.1054e-14	-4.7443e-02	6.6613e-16	-2.7312e+00	-1.4211e-14	-2.3397e+01
	73	7.1054e-14	4.7443e-02	-6.6613e-16	2.7312e+00	-1.4211e-13	5.2736e+00
343	180	-1.1369e-13	-5.0073e+00	-3.4106e-13	-2.8900e+02	5.4570e-12	2.2939e+02
	72	1.1369e-13	5.0073e+00	3.4106e-13	2.8900e+02	7.2760e-12	-3.3561e+02
344	63	-5.6843e-14	-5.0073e+00	-3.5527e-15	-4.2150e+01	1.1369e-13	-4.6966e+02
	180	5.6843e-14	5.0073e+00	3.5527e-15	4.2150e+01	-1.1369e-13	-3.6656e+02
345	62	-1.1369e-13	7.9535e-02	3.6082e-16	9.3894e+00	1.1724e-13	7.4384e+00
	63	1.1369e-13	-7.9535e-02	-3.6082e-16	-9.3894e+00	-2.2027e-13	1.4036e+01
346	65	9.0949e-13	1.2674e+02	5.6843e-13	-2.1648e+01	0.0000e+00	1.5766e+03
	62	-9.0949e-13	-1.2674e+02	-5.6843e-13	2.1648e+01	-1.8190e-12	1.1120e+03
347	64	4.9738e-14	3.7768e-02	1.2212e-15	2.9095e+00	0.0000e+00	1.1261e+01
	65	-4.9738e-14	-3.7768e-02	-1.2212e-15	-2.9095e+00	0.0000e+00	3.1667e+00
348	249	9.5923e-14	-7.2098e+00	-2.6645e-15	1.5292e+02	1.1369e-13	-9.7148e+02
	248	-9.5923e-14	7.2098e+00	2.6645e-15	-1.5292e+02	-1.1369e-13	-1.2996e+03
349	233	-1.8829e-13	-1.2778e+01	-4.4409e-16	-1.8359e+01	0.0000e+00	-1.7717e+03
	249	1.8829e-13	1.2778e+01	4.4409e-16	1.8359e+01	1.1369e-13	-2.2916e+03
350	262	2.8422e-14	-2.1500e+01	-1.3323e-15	-3.2268e+02	-2.2737e-13	-3.4770e+03
	233	-2.8422e-14	2.1500e+01	1.3323e-15	3.2268e+02	-5.6843e-14	-3.3600e+03
351	263	1.3856e-13	2.2281e+00	3.3307e-16	2.1725e+02	5.6843e-14	-1.3188e+02
	262	-1.3856e-13	-2.2281e+00	-3.3307e-16	-2.1725e+02	5.6843e-14	8.4043e+02
352	264	3.6238e-13	-1.5424e+00	5.5511e-16	6.8926e+01	-1.7053e-13	-6.5302e+01
	263	-3.6238e-13	1.5424e+00	-5.5511e-16	-6.8926e+01	2.2737e-13	-4.3599e+02
353	265	2.2382e-13	-1.4628e+01	-4.4409e-16	-2.4721e+02	-5.6843e-14	-2.2167e+03
	264	-2.2382e-13	1.4628e+01	4.4409e-16	2.4721e+02	-1.1369e-13	-2.4422e+03
354	258	-3.5882e-13	-2.0172e+01	-8.8818e-16	4.4039e+02	-4.5475e-13	-5.3620e+03
	265	3.5882e-13	2.0172e+01	8.8818e-16	-4.4039e+02	-4.5475e-13	-9.5189e+02
355	243	-1.3545e-13	9.7106e+01	0.0000e+00	-8.1620e+01	-5.6843e-13	1.0941e+04
	258	1.3545e-13	-9.7106e+01	0.0000e+00	8.1620e+01	-2.2737e-13	1.9274e+04
356	260	-2.8422e-14	4.6736e+00	-8.8818e-16	1.4702e+02	4.5475e-13	6.1010e+02
	259	2.8422e-14	-4.6736e+00	8.8818e-16	-1.4702e+02	1.1369e-13	8.7843e+02
357	65	3.4106e-13	4.1877e+01	3.9080e-14	7.0141e+02	3.6380e-12	3.7491e+03
	260	-3.4106e-13	-4.1877e+01	-3.9080e-14	-7.0141e+02	1.5916e-12	3.3560e+03
358	257	1.1369e-13	-1.0494e+01	5.3291e-15	2.5730e+02	4.5475e-13	-1.6978e+03
	3	-1.1369e-13	1.0494e+01	-5.3291e-15	-2.5730e+02	4.5475e-13	-1.6639e+03
359	261	-1.9895e-13	-3.3957e+00	1.7764e-15	6.5358e+01	-6.8212e-13	-5.8680e+02
	257	1.9895e-13	3.3957e+00	-1.7764e-15	-6.5358e+01	-2.2737e-13	-4.9302e+02
360	72	2.2737e-13	1.5723e+00	-8.8818e-16	-2.1616e+02	-1.1369e-13	2.5866e+02
	261	-2.2737e-13	-1.5723e+00	8.8818e-16	2.1616e+02	4.5475e-13	2.5287e+02
369	241	0.0000e+00	-2.1327e+00	-3.5527e-15	-1.1326e+02	9.0949e-13	-3.3207e+02
	4	0.0000e+00	2.1327e+00	3.5527e-15	1.1326e+02	-6.8212e-13	-3.5114e+02
370	245	-1.4211e-13	-2.6797e+00	0.0000e+00	-3.1253e+01	4.5475e-13	-4.2354e+02
	241	1.4211e-13	2.6797e+00	0.0000e+00	3.1253e+01	4.5475e-13	-4.2860e+02
371	240	-1.1369e-13	-2.8961e+00	-8.8818e-16	-7.0908e+01	-4.5475e-13	-4.5813e+02
	245	1.1369e-13	2.8961e+00	8.8818e-16	7.0908e+01	2.2737e-13	-4.6282e+02
372	246	-2.8422e-14	-2.7491e+00	0.0000e+00	4.6208e+01	1.7053e-13	-4.3790e+02
	240	2.8422e-14	2.7491e+00	0.0000e+00	-4.6208e+01	3.4106e-13	-4.3630e+02
373	242	-2.8422e-14	-3.2835e+00	2.2204e-15	2.4406e+01	0.0000e+00	-5.3683e+02
	246	2.8422e-14	3.2835e+00	-2.2204e-15	-2.4406e+01	2.8422e-13	-5.3033e+02
374	214	0.0000e+00	-2.9566e+00	-3.5527e-15	1.0560e+02	3.4106e-13	-3.9126e+02

	242	0.0000e+00	2.9566e+00	3.5527e-15	-1.0560e+02	2.2737e-13	-5.5040e+02
375	213	-1.1369e-13	-2.7688e+00	1.7764e-15	6.0629e+01	6.8212e-13	-9.7231e+02
	214	1.1369e-13	2.7688e+00	-1.7764e-15	-6.0629e+01	0.0000e+00	1.0569e+02
376	55	1.1369e-13	7.2555e+00	1.7764e-15	-1.9312e+02	0.0000e+00	2.6319e+02
	213	-1.1369e-13	-7.2555e+00	-1.7764e-15	1.9312e+02	-4.5475e-13	1.9959e+03
385	179	5.6843e-14	8.2834e-01	9.9920e-16	-2.5003e+02	2.8422e-14	1.4641e+02
	258	-5.6843e-14	-8.2834e-01	-9.9920e-16	2.5003e+02	-2.8422e-13	2.8349e+02
386	253	0.0000e+00	4.0531e+00	2.1316e-14	1.2188e+03	4.5475e-13	1.1002e+03
	179	0.0000e+00	-4.0531e+00	-2.1316e-14	-1.2188e+03	-1.3642e-12	-3.1588e+02
387	250	1.1369e-13	1.2778e+02	0.0000e+00	1.3495e+02	0.0000e+00	9.4709e+03
	72	-1.1369e-13	-1.2778e+02	0.0000e+00	-1.3495e+02	1.1369e-12	1.3356e+04
388	70	2.5580e-13	3.8660e+00	3.5527e-14	1.1835e+01	9.0949e-13	2.1724e+02
	73	-2.5580e-13	-3.8660e+00	-3.5527e-14	-1.1835e+01	2.5011e-12	3.5442e+02
389	67	8.5265e-14	2.5671e+00	-1.0658e-14	-2.5088e+01	1.7053e-13	3.2897e+02
	70	-8.5265e-14	-2.5671e+00	1.0658e-14	2.5088e+01	-2.2737e-13	1.1513e+02
390	64	8.5265e-14	-1.0040e+01	3.5527e-15	1.7397e+01	2.2737e-13	-8.0127e+02
	67	-8.5265e-14	1.0040e+01	-3.5527e-15	-1.7397e+01	9.0949e-13	-6.8332e+02
391	67	2.2204e-14	-1.8377e+01	8.8818e-15	1.0235e+01	4.5475e-13	-1.7415e+03
	263	-2.2204e-14	1.8377e+01	-8.8818e-15	-1.0235e+01	1.1369e-13	-1.3503e+03
392	73	-5.6843e-13	-4.7571e+01	-7.1054e-15	-2.8886e+02	-2.0464e-12	-4.0221e+03
	262	5.6843e-13	4.7571e+01	7.1054e-15	2.8886e+02	1.1369e-13	-3.2163e+03
393	257	-2.2737e-13	-5.4915e+00	-3.3307e-15	-3.4961e+01	2.8422e-14	-1.5562e+03
	249	2.2737e-13	5.4915e+00	3.3307e-15	3.4961e+01	5.6843e-14	-1.2939e+03
394	256	-2.2737e-13	3.2313e+01	1.4211e-14	2.1766e+00	9.0949e-13	3.4984e+03
	257	2.2737e-13	-3.2313e+01	-1.4211e-14	-2.1766e+00	1.3642e-12	2.7541e+03
395	261	2.8422e-14	-4.8475e+00	1.1102e-16	-1.1494e+02	5.6843e-14	-1.4097e+03
	233	-2.8422e-14	4.8475e+00	-1.1102e-16	1.1494e+02	2.2737e-13	-1.1062e+03
396	252	1.1369e-13	3.9440e+01	0.0000e+00	-6.0017e+01	-9.0949e-13	4.2129e+03
	261	-1.1369e-13	-3.9440e+01	0.0000e+00	6.0017e+01	-4.5475e-13	3.4188e+03
397	260	1.4211e-14	-4.8903e+00	2.2204e-16	2.6958e+01	3.9790e-13	-1.5333e+03
	264	-1.4211e-14	4.8903e+00	-2.2204e-16	-2.6958e+01	-2.2737e-13	-1.0048e+03
398	254	-5.6843e-14	5.8969e+01	-2.1316e-14	4.4718e+01	1.8190e-12	6.2900e+03
	260	5.6843e-14	-5.8969e+01	2.1316e-14	-4.4718e+01	4.5475e-12	5.1205e+03
399	243	-1.7053e-13	-6.4602e+00	-2.7756e-16	3.8082e+02	-7.1054e-14	-1.7835e+03
	55	1.7053e-13	6.4602e+00	2.7756e-16	-3.8082e+02	-8.5265e-14	-1.7502e+03
400	57	5.6843e-14	-6.6360e+00	1.1102e-16	3.3584e+02	0.0000e+00	-1.6525e+03
	243	-5.6843e-14	6.6360e+00	-1.1102e-16	-3.3584e+02	-2.8422e-14	-1.6257e+03
401	248	1.1369e-13	-4.2987e+00	1.6653e-16	3.7912e+01	2.8422e-14	-5.5365e+02
	4	-1.1369e-13	4.2987e+00	-1.6653e-16	-3.7912e+01	-2.8422e-14	-1.7549e+03
402	3	-5.6843e-14	-8.3921e+00	3.8858e-16	2.9728e+00	-4.2633e-14	-2.4265e+03
	248	5.6843e-14	8.3921e+00	-3.8858e-16	-2.9728e+00	1.2790e-13	-1.8033e+03
403	241	0.0000e+00	-1.0467e+00	2.1316e-14	-9.9764e+01	4.5475e-13	3.2361e+02
	236	0.0000e+00	1.0467e+00	-2.1316e-14	9.9764e+01	9.0949e-13	-5.2615e+02
404	249	0.0000e+00	-7.4130e-01	7.7716e-16	4.1583e+01	-1.1369e-13	-1.8245e+02
	241	0.0000e+00	7.4130e-01	-7.7716e-16	-4.1583e+01	1.9895e-13	-2.2674e+02
405	245	-1.7053e-13	-5.5421e-01	-1.0658e-14	-5.2358e+01	9.0949e-13	4.5467e+02
	244	1.7053e-13	5.5421e-01	1.0658e-14	5.2358e+01	-1.3642e-12	-5.6191e+02
406	233	-2.8422e-14	-1.1376e+00	1.1102e-15	9.9924e+01	4.5475e-13	-2.9788e+02
	245	2.8422e-14	1.1376e+00	-1.1102e-15	-9.9924e+01	-4.8317e-13	-3.3006e+02
407	240	2.2737e-13	-1.1244e+00	0.0000e+00	-7.5630e+01	-4.5475e-13	4.7594e+02

	238	-2.2737e-13	1.1244e+00	0.0000e+00	7.5630e+01	-2.7285e-12	-6.9351e+02
408	262	-1.2790e-13	-2.9807e+00	-1.1102e-16	1.0074e+02	1.1369e-13	-4.5789e+02
	240	1.2790e-13	2.9807e+00	1.1102e-16	-1.0074e+02	5.6843e-14	-1.1874e+03
409	246	1.9362e-13	-1.1163e+00	7.1054e-15	-1.0061e+02	0.0000e+00	4.2181e+02
	239	-1.9362e-13	1.1163e+00	-7.1054e-15	1.0061e+02	-9.0949e-13	-6.3782e+02
410	263	3.8636e-14	-1.1425e+00	-4.4409e-16	-1.1656e+01	5.1159e-13	-2.7914e+02
	246	-3.8636e-14	1.1425e+00	4.4409e-16	1.1656e+01	8.2423e-13	-3.5153e+02
411	242	-2.5580e-13	8.0723e-01	1.0658e-14	-3.9816e+01	1.8190e-12	5.7776e+02
	247	2.5580e-13	-8.0723e-01	-1.0658e-14	3.9816e+01	4.5475e-13	-4.2133e+02
412	264	-2.8422e-14	-7.9552e-01	3.1086e-15	3.0405e+01	1.7053e-13	-1.9265e+02
	242	2.8422e-14	7.9552e-01	-3.1086e-15	-3.0405e+01	-5.6843e-14	-2.4648e+02
413	213	1.1369e-13	7.2363e+00	0.0000e+00	-8.8710e+02	-4.5475e-12	9.7822e+02
	235	-1.1369e-13	-7.2363e+00	0.0000e+00	8.8710e+02	-3.6380e-12	4.2199e+02
414	258	0.0000e+00	-2.7880e+00	-6.6613e-16	1.4346e+02	2.2737e-13	-7.1810e+02
	213	0.0000e+00	2.7880e+00	6.6613e-16	-1.4346e+02	-1.4211e-13	-8.2086e+02
415	214	-2.2737e-13	-1.7265e+00	8.8818e-15	2.3824e+02	9.0949e-13	1.2789e+03
	234	2.2737e-13	1.7265e+00	-8.8818e-15	-2.3824e+02	2.2737e-13	-1.6130e+03
416	265	0.0000e+00	-1.9143e+00	-2.7756e-17	-4.7330e+01	5.6843e-14	1.7729e+02
	214	0.0000e+00	1.9143e+00	2.7756e-17	4.7330e+01	4.2633e-14	-1.2340e+03
417	259	2.8422e-14	-2.1623e+01	-2.7756e-16	-1.9413e+02	1.3500e-13	-7.5360e+03
	265	-2.8422e-14	2.1623e+01	2.7756e-16	1.9413e+02	-2.8422e-14	-3.6864e+03
418	255	2.2737e-13	1.3832e+02	-1.7764e-15	1.5092e+02	-6.8212e-13	1.3779e+04
	259	-2.2737e-13	-1.3832e+02	1.7764e-15	-1.5092e+02	-4.5475e-13	1.3025e+04
419	177	5.6843e-14	-1.6866e+01	-7.1054e-15	-7.6459e+00	9.0949e-13	-1.6600e+03
	81	-5.6843e-14	1.6866e+01	7.1054e-15	7.6459e+00	0.0000e+00	-3.5914e+03
420	301	-1.1369e-13	-4.0580e+00	1.7764e-15	-4.1524e+02	-4.5475e-13	-1.3466e+03
	177	1.1369e-13	4.0580e+00	-1.7764e-15	4.1524e+02	0.0000e+00	7.6415e+01
421	165	3.4106e-13	-4.8413e-01	-8.8818e-16	-8.7385e+00	-1.1369e-13	-7.0693e+01
	164	-3.4106e-13	4.8413e-01	8.8818e-16	8.7385e+00	-2.2737e-13	-3.7511e+01
422	125	1.1369e-13	-2.4004e-01	4.4409e-15	-2.4002e+01	0.0000e+00	-2.7194e+01
	124	-1.1369e-13	2.4004e-01	-4.4409e-15	2.4002e+01	0.0000e+00	-2.6456e+01
423	75	-1.1369e-13	1.6892e-01	-6.2172e-15	1.4410e+02	6.8212e-13	1.7861e+01
	74	1.1369e-13	-1.6892e-01	6.2172e-15	-1.4410e+02	4.5475e-13	1.9892e+01
424	80	-1.1369e-13	9.1679e-02	-3.5527e-15	-1.9104e+02	-3.4106e-13	1.2725e+01
	81	1.1369e-13	-9.1679e-02	3.5527e-15	1.9104e+02	-3.4106e-13	7.7649e+00
425	112	-4.5475e-13	3.2713e+01	6.8212e-13	1.5681e+02	-2.0918e-11	1.9436e+02
	105	4.5475e-13	-3.2713e+01	-6.8212e-13	-1.5681e+02	-1.0914e-11	2.6827e+02
426	99	-5.4570e-12	-3.9135e+01	-4.5475e-13	1.5006e+02	3.6380e-12	-3.0763e+02
	106	5.4570e-12	3.9135e+01	4.5475e-13	-1.5006e+02	-3.6380e-12	-2.4582e+02
427	117	8.5265e-14	5.1281e-02	-5.5511e-16	2.1939e+00	-2.2737e-13	-6.4264e-01
	118	-8.5265e-14	-5.1281e-02	5.5511e-16	-2.1939e+00	-2.8422e-14	2.0232e+01
428	178	2.2737e-13	-7.8166e+00	-9.0949e-13	-4.1804e+02	-5.4570e-12	3.7819e+02
	117	-2.2737e-13	7.8166e+00	9.0949e-13	4.1804e+02	-3.6380e-12	-5.4400e+02
429	93	-1.7053e-13	-7.8166e+00	4.4409e-15	-2.8184e+01	5.1159e-13	-7.4236e+02
	178	1.7053e-13	7.8166e+00	-4.4409e-15	2.8184e+01	6.2528e-13	-5.6302e+02
430	94	-8.5265e-14	-1.3664e-01	8.0491e-16	-2.7547e+00	1.8829e-13	-1.9302e+01
	93	8.5265e-14	1.3664e-01	-8.0491e-16	2.7547e+00	1.4211e-13	-1.7592e+01
431	86	-1.1369e-12	-7.4330e+00	4.5475e-13	3.7341e+02	-3.6380e-12	2.2225e+02
	94	1.1369e-12	7.4330e+00	-4.5475e-13	-3.7341e+02	0.0000e+00	-3.7992e+02
432	87	4.2633e-14	4.1580e-05	1.1102e-16	1.7052e+01	3.9790e-13	3.0955e-01

	86	-4.2633e-14	-4.1580e-05	-1.1102e-16	-1.7052e+01	2.2737e-13	-2.9367e-01
433	298	-2.5224e-13	-1.1276e+01	8.8818e-16	1.3310e+02	-6.8212e-13	-1.5434e+03
	309	2.5224e-13	1.1276e+01	-8.8818e-16	-1.3310e+02	-5.6843e-13	-2.0084e+03
434	325	-9.5923e-14	-1.7232e+01	0.0000e+00	-2.0167e+01	-2.2737e-13	-2.5126e+03
	298	9.5923e-14	1.7232e+01	0.0000e+00	2.0167e+01	-4.5475e-13	-2.9670e+03
435	304	-6.7502e-14	-2.5592e+01	4.4409e-16	-3.0654e+02	-2.8422e-13	-4.0622e+03
	325	6.7502e-14	2.5592e+01	-4.4409e-16	3.0654e+02	-2.2737e-13	-4.0762e+03
436	299	2.6290e-13	-3.0525e-01	-1.3323e-15	2.2539e+02	1.1369e-13	-5.0258e+02
	304	-2.6290e-13	3.0525e-01	1.3323e-15	-2.2539e+02	-5.6843e-14	4.0551e+02
437	332	1.7764e-13	-3.8090e+00	-6.6613e-16	9.8137e+01	2.2737e-13	-4.9931e+02
	299	-1.7764e-13	3.8090e+00	6.6613e-16	-9.8137e+01	1.4211e-13	-7.3861e+02
438	333	9.5923e-14	-1.9677e+01	0.0000e+00	-1.3257e+02	1.1369e-13	-3.1405e+03
	332	-9.5923e-14	1.9677e+01	0.0000e+00	1.3257e+02	-5.6843e-14	-3.1265e+03
439	306	-1.0658e-14	-1.7357e+01	-8.8818e-16	2.4858e+02	-2.2737e-13	-4.9533e+03
	333	1.0658e-14	1.7357e+01	8.8818e-16	-2.4858e+02	-2.2737e-13	-4.7947e+02
440	316	1.1280e-13	1.0878e+02	-1.7764e-15	-1.0410e+02	-2.2737e-13	1.5026e+04
	306	-1.1280e-13	-1.0878e+02	1.7764e-15	1.0410e+02	0.0000e+00	1.8822e+04
441	305	-5.6843e-14	4.8030e+00	-8.8818e-16	1.2919e+02	6.8212e-13	6.7485e+02
	301	5.6843e-14	-4.8030e+00	8.8818e-16	-1.2919e+02	9.0949e-13	8.5489e+02
442	86	-1.1369e-13	3.8398e+01	0.0000e+00	3.6877e+02	-1.1369e-12	3.3488e+03
	305	1.1369e-13	-3.8398e+01	0.0000e+00	-3.6877e+02	1.8190e-12	3.1659e+03
443	311	-5.6843e-14	-1.1214e+01	-1.0658e-14	2.8511e+01	9.0949e-13	-1.7737e+03
	164	5.6843e-14	1.1214e+01	1.0658e-14	-2.8511e+01	0.0000e+00	-1.8186e+03
444	312	5.6843e-14	-4.2419e+00	0.0000e+00	4.5164e+01	2.2737e-13	-7.0821e+02
	311	-5.6843e-14	4.2419e+00	0.0000e+00	-4.5164e+01	6.8212e-13	-6.4072e+02
445	117	2.2737e-13	6.1032e-01	-1.7764e-15	-8.7537e+01	-6.8212e-13	9.5827e+01
	312	-2.2737e-13	-6.1032e-01	1.7764e-15	8.7537e+01	-6.8212e-13	1.0274e+02
454	318	0.0000e+00	-3.2330e+00	-1.2434e-14	3.9694e+01	4.5475e-13	-4.9485e+02
	124	0.0000e+00	3.2330e+00	1.2434e-14	-3.9694e+01	-9.0949e-13	-5.4085e+02
455	322	2.2737e-13	-3.9582e+00	1.4211e-14	-9.0756e+00	-2.2737e-13	-6.2516e+02
	318	-2.2737e-13	3.9582e+00	-1.4211e-14	9.0756e+00	0.0000e+00	-6.3354e+02
456	327	5.6843e-14	-4.2384e+00	2.6645e-15	-9.4463e+01	4.5475e-13	-6.7362e+02
	322	-5.6843e-14	4.2384e+00	-2.6645e-15	9.4463e+01	-1.1369e-13	-6.7420e+02
457	315	-2.2737e-13	-3.9816e+00	-2.6645e-15	7.9659e+01	-3.9790e-13	-6.3382e+02
	327	2.2737e-13	3.9816e+00	2.6645e-15	-7.9659e+01	-2.5580e-13	-6.3234e+02
458	328	-3.4106e-13	-4.3427e+00	1.3323e-15	1.6366e+01	2.8422e-13	-6.9632e+02
	315	3.4106e-13	4.3427e+00	-1.3323e-15	-1.6366e+01	-6.8212e-13	-7.1507e+02
459	287	3.4106e-13	-5.7365e+00	2.6645e-15	-5.3600e+01	-6.8212e-13	-8.3445e+02
	328	-3.4106e-13	5.7365e+00	-2.6645e-15	5.3600e+01	-9.0949e-13	-9.9262e+02
460	270	-2.8422e-13	-2.0269e+00	-7.1054e-15	3.2405e+02	-1.1369e-12	-1.1270e+03
	287	2.8422e-13	2.0269e+00	7.1054e-15	-3.2405e+02	-9.0949e-13	4.9258e+02
461	74	-1.1369e-13	2.4254e+01	3.5527e-15	-2.4720e+02	0.0000e+00	4.6484e+03
	270	1.1369e-13	-2.4254e+01	-3.5527e-15	2.4720e+02	0.0000e+00	2.9034e+03
470	177	-5.6843e-14	2.0525e+00	-4.4409e-16	-3.7578e+02	-8.2423e-13	5.4799e+02
	306	5.6843e-14	-2.0525e+00	4.4409e-16	3.7578e+02	5.6843e-14	5.1728e+02
471	313	-1.1369e-13	-1.0756e+01	-7.1054e-15	1.2055e+03	-9.0949e-13	-1.2056e+03
	177	1.1369e-13	1.0756e+01	7.1054e-15	-1.2055e+03	2.2737e-12	-8.7562e+02
472	303	-5.6843e-14	7.8507e+01	7.1054e-15	-6.7584e+01	-2.0464e-12	4.1733e+03
	117	5.6843e-14	-7.8507e+01	-7.1054e-15	6.7584e+01	-4.5475e-13	9.8510e+03
473	111	4.5475e-13	-1.7866e-01	-1.0658e-14	1.7515e+01	0.0000e+00	-3.2040e+01

	118	-4.5475e-13	1.7866e-01	1.0658e-14	-1.7515e+01	1.8190e-12	5.6215e+00
474	100	1.7053e-13	2.0608e+00	-1.7764e-15	-4.7221e+00	-1.5916e-12	2.7733e+02
	111	-1.7053e-13	-2.0608e+00	1.7764e-15	4.7221e+00	-1.1369e-12	7.9185e+01
475	87	-8.5265e-14	-1.3066e+01	1.8652e-14	1.7388e+01	-2.8422e-13	-1.0499e+03
	100	8.5265e-14	1.3066e+01	-1.8652e-14	-1.7388e+01	1.1369e-12	-8.8207e+02
476	100	1.9540e-14	-1.6075e+01	1.0658e-14	1.3845e+01	6.2528e-13	-1.5480e+03
	299	-1.9540e-14	1.6075e+01	-1.0658e-14	-1.3845e+01	-1.0232e-12	-1.1565e+03
477	118	2.2737e-13	-4.2344e+01	7.1054e-15	-3.2722e+02	1.3074e-12	-3.6178e+03
	304	-2.2737e-13	4.2344e+01	-7.1054e-15	3.2722e+02	2.2737e-13	-2.8253e+03
478	311	-5.6843e-14	-4.5464e+00	-3.1086e-15	-4.6367e+01	-6.2528e-13	-1.2572e+03
	298	5.6843e-14	4.5464e+00	3.1086e-15	4.6367e+01	-1.1369e-13	-1.1024e+03
479	307	-1.1369e-13	1.9845e+01	-7.1054e-15	4.6159e+01	0.0000e+00	1.6966e+03
	311	1.1369e-13	-1.9845e+01	7.1054e-15	-4.6159e+01	9.0949e-13	2.1434e+03
480	312	0.0000e+00	-3.8740e+00	-6.6613e-16	-1.0794e+02	4.2633e-13	-1.0999e+03
	325	0.0000e+00	3.8740e+00	6.6613e-16	1.0794e+02	3.9790e-13	-9.1066e+02
481	300	-2.2737e-13	2.5690e+01	4.2633e-14	7.5500e+01	-3.6380e-12	2.2373e+03
	312	2.2737e-13	-2.5690e+01	-4.2633e-14	-7.5500e+01	-2.7285e-12	2.7336e+03
482	305	-2.8422e-14	-3.5278e+00	2.2204e-15	-1.1808e+00	-5.6843e-13	-1.0783e+03
	332	2.8422e-14	3.5278e+00	-2.2204e-15	1.1808e+00	-9.0949e-13	-7.5261e+02
483	302	-1.1369e-13	3.7081e+01	-4.2633e-14	3.7513e+01	-1.8190e-12	3.2733e+03
	305	1.1369e-13	-3.7081e+01	4.2633e-14	-3.7513e+01	-9.0949e-13	3.9018e+03
484	316	-5.6843e-14	-7.6394e+00	2.2204e-16	-1.1139e+03	-9.9476e-14	-1.8825e+03
	74	5.6843e-14	7.6394e+00	-2.2204e-16	1.1139e+03	-4.9738e-14	-2.2963e+03
485	81	0.0000e+00	-3.3831e+00	6.1062e-16	1.3186e+03	-1.9895e-13	-1.0138e+03
	316	0.0000e+00	3.3831e+00	-6.1062e-16	-1.3186e+03	-1.1369e-13	-6.5742e+02
486	309	0.0000e+00	-2.4959e+00	-7.7716e-16	5.7768e+01	7.1054e-14	-2.1257e+02
	124	0.0000e+00	2.4959e+00	7.7716e-16	-5.7768e+01	7.1054e-14	-1.1278e+03
487	164	-5.6843e-14	-1.1205e+01	-4.4409e-16	-4.6272e+01	-7.1054e-14	-3.3818e+03
	309	5.6843e-14	1.1205e+01	4.4409e-16	4.6272e+01	-1.1369e-13	-2.2656e+03
488	318	0.0000e+00	5.8453e+00	-3.5527e-14	-1.2476e+02	-1.8190e-12	5.2507e+02
	317	0.0000e+00	-5.8453e+00	3.5527e-14	1.2476e+02	9.0949e-13	6.0599e+02
489	298	5.6843e-14	-1.0937e+00	-1.1102e-15	5.7546e+01	-1.7053e-13	-2.3555e+02
	318	-5.6843e-14	1.0937e+00	1.1102e-15	-5.7546e+01	-1.9895e-13	-3.6819e+02
490	322	0.0000e+00	6.9660e+00	1.4211e-14	-8.8930e+01	2.2737e-12	6.4497e+02
	324	0.0000e+00	-6.9660e+00	-1.4211e-14	8.8930e+01	2.2737e-12	7.0295e+02
491	325	5.6843e-14	-1.6634e+00	8.8818e-16	1.1076e+02	0.0000e+00	-3.8003e+02
	322	-5.6843e-14	1.6634e+00	-8.8818e-16	-1.1076e+02	1.4211e-13	-5.3819e+02
492	327	1.1369e-13	7.2065e+00	-7.1054e-15	-9.1110e+01	1.3642e-12	7.6028e+02
	331	-1.1369e-13	-7.2065e+00	7.1054e-15	9.1110e+01	2.2737e-12	6.3418e+02
493	304	-7.1054e-14	-5.0078e+00	3.3307e-16	1.3195e+02	1.1369e-13	-8.0526e+02
	327	7.1054e-14	5.0078e+00	-3.3307e-16	-1.3195e+02	1.4211e-13	-1.9590e+03
494	315	-1.8563e-13	6.5963e+00	3.5527e-14	-1.2730e+02	-3.1832e-12	6.0993e+02
	319	1.8563e-13	-6.5963e+00	-3.5527e-14	1.2730e+02	-9.0949e-13	6.6646e+02
495	299	2.3093e-14	-1.8416e+00	1.7764e-15	2.1195e+01	7.9581e-13	-4.1166e+02
	315	-2.3093e-14	1.8416e+00	-1.7764e-15	-2.1195e+01	1.9611e-12	-6.0491e+02
496	328	-1.1369e-13	8.7583e+00	7.1054e-15	-5.4232e+01	9.0949e-13	8.0191e+02
	310	1.1369e-13	-8.7583e+00	-7.1054e-15	5.4232e+01	9.0949e-13	8.9532e+02
497	332	8.5265e-14	-1.5277e+00	-1.1102e-15	3.4627e+01	-2.2737e-13	-3.4748e+02
	328	-8.5265e-14	1.5277e+00	1.1102e-15	-3.4627e+01	-8.5265e-14	-4.9583e+02
498	270	2.2737e-13	2.1915e+01	2.8422e-14	-1.3552e+03	0.0000e+00	1.8065e+03

	323	-2.2737e-13	-2.1915e+01	-2.8422e-14	1.3552e+03	-5.4570e-12	2.4340e+03
499	306	-5.6843e-14	-4.3662e+00	-2.6645e-15	4.2972e+02	2.2737e-13	-1.0347e+03
	270	5.6843e-14	4.3662e+00	2.6645e-15	-4.2972e+02	-7.1054e-13	-1.3754e+03
500	287	5.6843e-13	2.9357e+00	1.7764e-15	2.7168e+02	-1.1369e-12	2.3936e+02
	329	-5.6843e-13	-2.9357e+00	-1.7764e-15	-2.7168e+02	2.2737e-13	3.2869e+02
501	333	2.8422e-14	-7.7394e-01	-1.6653e-16	-7.0201e+01	-1.1369e-13	1.8979e+02
	287	-2.8422e-14	7.7394e-01	1.6653e-16	7.0201e+01	9.2371e-14	-6.1701e+02
502	301	5.6843e-14	-1.6412e+01	-6.1062e-16	-1.3205e+02	0.0000e+00	-5.5078e+03
	333	-5.6843e-14	1.6412e+01	6.1062e-16	1.3205e+02	-1.4211e-13	-3.0098e+03
503	308	-2.2737e-13	9.2963e+01	-1.4211e-14	1.3794e+02	6.8212e-13	7.4935e+03
	301	2.2737e-13	-9.2963e+01	1.4211e-14	-1.3794e+02	-4.5475e-13	1.0521e+04
504	173	1.7053e-13	-1.2630e+01	1.0658e-14	-9.4586e+00	-1.3642e-12	-1.4059e+03
	83	-1.7053e-13	1.2630e+01	-1.0658e-14	9.4586e+00	-9.0949e-13	-2.5265e+03
505	350	-5.6843e-14	-4.4419e+00	1.7764e-15	-3.2696e+02	9.0949e-13	-1.3155e+03
	173	5.6843e-14	4.4419e+00	-1.7764e-15	3.2696e+02	4.5475e-13	-7.4806e+01
506	174	-5.6843e-14	-1.1495e+01	0.0000e+00	-2.2999e+01	4.5475e-13	-1.2404e+03
	85	5.6843e-14	1.1495e+01	0.0000e+00	2.2999e+01	-9.0949e-13	-2.3386e+03
507	453	-5.1159e-13	-3.2924e+00	-1.7764e-15	-3.2441e+02	4.5475e-13	-1.1538e+03
	174	5.1159e-13	3.2924e+00	1.7764e-15	3.2441e+02	-2.2737e-13	1.2327e+02
508	122	2.2737e-13	8.0785e-01	0.0000e+00	-1.3129e+02	-2.2737e-13	1.2569e+02
	461	-2.2737e-13	-8.0785e-01	0.0000e+00	1.3129e+02	2.5011e-12	1.3714e+02
509	475	-5.6843e-14	-1.1259e+02	0.0000e+00	5.7400e+01	0.0000e+00	-2.0580e+04
	471	5.6843e-14	1.1259e+02	0.0000e+00	-5.7400e+01	2.8422e-14	-3.7236e+04
510	484	-4.2633e-14	1.0668e+02	0.0000e+00	2.0078e+02	4.5475e-13	6.3699e+03
	482	4.2633e-14	-1.0668e+02	0.0000e+00	-2.0078e+02	9.0949e-13	6.3726e+03
511	486	-2.8422e-14	4.5113e-01	3.7297e-17	1.1994e+01	7.2831e-14	5.0711e+02
	484	2.8422e-14	-4.5113e-01	-3.7297e-17	-1.1994e+01	7.8160e-14	-2.5357e+02
512	161	-1.4211e-13	-8.5897e+01	0.0000e+00	-2.2731e+02	0.0000e+00	-4.9615e+03
	486	1.4211e-13	8.5897e+01	0.0000e+00	2.2731e+02	4.5475e-13	-5.2173e+03
513	483	-8.5265e-14	-3.7856e+00	3.3307e-16	4.3416e+03	2.8422e-14	-7.9047e+02
	470	8.5265e-14	3.7856e+00	-3.3307e-16	-4.3416e+03	-8.5265e-14	-1.1534e+03
514	490	-3.4106e-13	1.7644e+00	-2.8422e-14	-4.8895e+03	0.0000e+00	1.0615e+03
	488	3.4106e-13	-1.7644e+00	2.8422e-14	4.8895e+03	0.0000e+00	-8.7891e+02
515	479	5.6843e-14	-8.2929e-01	0.0000e+00	-1.4000e+02	-4.5475e-13	-3.4084e+02
	478	-5.6843e-14	8.2929e-01	0.0000e+00	1.4000e+02	-1.1369e-13	1.5550e+02
516	475	0.0000e+00	-2.2248e-01	0.0000e+00	-4.4537e-01	-2.8422e-13	-1.0833e+02
	474	0.0000e+00	2.2248e-01	0.0000e+00	4.4537e-01	-2.2737e-13	5.8604e+01
517	483	0.0000e+00	-1.7337e+00	-2.6645e-15	-8.5599e+03	4.5475e-13	-4.8608e+02
	482	0.0000e+00	1.7337e+00	2.6645e-15	8.5599e+03	-2.2737e-13	9.8593e+01
518	488	-5.6843e-14	2.3017e+00	-5.3291e-15	-7.2030e+03	2.2737e-13	2.9152e+02
	489	5.6843e-14	-2.3017e+00	5.3291e-15	7.2030e+03	-4.5475e-13	2.2291e+02
519	497	-2.2737e-13	6.9905e+01	0.0000e+00	2.9348e+02	9.0949e-13	6.2246e+02
	498	2.2737e-13	-6.9905e+01	0.0000e+00	-2.9348e+02	2.7285e-12	3.6615e+02
520	495	-9.0949e-13	3.3784e+01	4.5475e-13	-3.7726e+02	9.0949e-13	1.1379e+02
	499	9.0949e-13	-3.3784e+01	-4.5475e-13	3.7726e+02	0.0000e+00	3.6399e+02
521	503	0.0000e+00	-4.3508e-01	2.2204e-16	4.7634e+01	1.9895e-13	-4.7395e+01
	504	0.0000e+00	4.3508e-01	-2.2204e-16	-4.7634e+01	1.4211e-13	-1.1881e+02
522	502	9.0949e-13	-5.5404e+02	3.4106e-13	1.0611e+03	3.6380e-12	-2.9691e+03
	503	-9.0949e-13	5.5404e+02	-3.4106e-13	-1.0611e+03	1.8190e-12	-8.7838e+03
523	501	5.6843e-14	6.8191e+00	2.2204e-15	-2.1998e+02	1.7053e-13	2.9186e+02

	502	-5.6843e-14	-6.8191e+00	-2.2204e-15	2.1998e+02	1.1369e-13	8.4693e+02
524	500	-8.5265e-14	9.5496e-01	-3.3307e-16	-4.7856e+01	7.4607e-14	1.5697e+02
	501	8.5265e-14	-9.5496e-01	3.3307e-16	4.7856e+01	3.5527e-14	1.0087e+02
525	492	1.1369e-12	3.6141e+01	0.0000e+00	1.0936e+03	9.0949e-13	1.6111e+03
	500	-1.1369e-12	-3.6141e+01	0.0000e+00	-1.0936e+03	1.8190e-12	-8.4443e+02
526	493	3.5527e-15	2.6839e-01	1.1102e-16	9.2806e+01	-1.1369e-13	4.1637e+01
	492	-3.5527e-15	-2.6839e-01	-1.1102e-16	-9.2806e+01	-8.5265e-14	6.0887e+01
527	489	0.0000e+00	1.6336e+00	-1.1102e-16	3.6730e+03	-1.4211e-13	1.2039e+02
	161	0.0000e+00	-1.6336e+00	1.1102e-16	-3.6730e+03	-1.1369e-13	6.8662e+02
528	167	1.1369e-13	3.0612e-01	0.0000e+00	-6.0976e+00	2.2737e-13	2.4854e+01
	166	-1.1369e-13	-3.0612e-01	0.0000e+00	6.0976e+00	-4.5475e-13	4.3564e+01
529	129	1.1369e-13	1.5849e-01	-1.3323e-14	-2.4049e+01	0.0000e+00	2.0471e+01
	128	-1.1369e-13	-1.5849e-01	1.3323e-14	2.4049e+01	4.5475e-13	1.4951e+01
530	77	-3.4106e-13	-1.5759e-01	-1.5987e-14	1.9487e+02	-4.5475e-13	-9.0954e+00
	76	3.4106e-13	1.5759e-01	1.5987e-14	-1.9487e+02	-6.8212e-13	-2.6125e+01
531	82	0.0000e+00	-9.4555e-02	-8.8818e-15	-1.3403e+02	1.8190e-12	-8.8025e+00
	83	0.0000e+00	9.4555e-02	8.8818e-15	1.3403e+02	1.7053e-12	-1.2330e+01
532	114	1.5916e-12	9.2526e+00	-1.3642e-12	1.1359e+01	9.0949e-12	8.3272e+01
	107	-1.5916e-12	-9.2526e+00	1.3642e-12	-1.1359e+01	-7.2760e-12	4.7579e+01
533	101	-2.7285e-12	-1.5281e+00	0.0000e+00	-8.8086e+01	9.0949e-13	-1.0940e+02
	108	2.7285e-12	1.5281e+00	0.0000e+00	8.8086e+01	6.3665e-12	8.7792e+01
534	119	-1.4211e-14	-2.8007e-02	-1.1102e-15	1.7932e+00	4.2633e-13	-1.4721e+01
	121	1.4211e-14	2.8007e-02	1.1102e-15	-1.7932e+00	3.4106e-13	4.0221e+00
535	176	-1.3642e-12	-7.7340e+00	-1.8190e-12	-4.2069e+02	0.0000e+00	3.8171e+02
	119	1.3642e-12	7.7340e+00	1.8190e-12	4.2069e+02	1.0914e-11	-5.4577e+02
536	95	-2.2737e-13	-7.7340e+00	1.2434e-14	-2.7561e+01	-9.0949e-13	-7.2419e+02
	176	2.2737e-13	7.7340e+00	-1.2434e-14	2.7561e+01	-1.1369e-13	-5.6738e+02
537	96	2.8422e-14	8.6559e-02	1.4572e-15	-1.1927e+00	1.2079e-13	1.0552e+01
	95	-2.8422e-14	-8.6559e-02	-1.4572e-15	1.1927e+00	-2.7711e-13	1.2818e+01
538	88	-1.5916e-12	4.5490e+00	3.4106e-13	1.7626e+02	-3.6380e-12	2.2578e+02
	96	1.5916e-12	-4.5490e+00	-3.4106e-13	-1.7626e+02	-1.8190e-12	-1.2928e+02
539	89	-6.3949e-14	2.4162e-02	8.8818e-16	1.3207e+01	-2.8422e-14	5.1720e+00
	88	6.3949e-14	-2.4162e-02	-8.8818e-16	-1.3207e+01	0.0000e+00	4.0579e+00
540	170	0.0000e+00	-2.2426e-01	4.4409e-15	-1.2123e+01	3.4106e-13	-3.5375e+01
	169	0.0000e+00	2.2426e-01	-4.4409e-15	1.2123e+01	2.2737e-13	-1.4747e+01
541	163	-1.1369e-13	-1.5956e-01	-1.0658e-14	-2.9531e+01	6.8212e-13	-1.3973e+01
	162	1.1369e-13	1.5956e-01	1.0658e-14	2.9531e+01	2.2737e-13	-2.1687e+01
542	79	-1.1369e-13	6.9465e-02	-3.5527e-15	2.5569e+02	4.5475e-13	2.1619e+01
	78	1.1369e-13	-6.9465e-02	3.5527e-15	-2.5569e+02	2.2737e-13	-6.0933e+00
543	84	-2.2737e-13	1.4050e-02	-1.7764e-15	-1.5142e+02	-3.4106e-13	3.8502e+00
	85	2.2737e-13	-1.4050e-02	1.7764e-15	1.5142e+02	3.4106e-13	-7.0999e-01
544	116	-1.0299e-02	1.1759e+00	-1.3356e+00	3.7341e+01	8.1662e+01	2.1381e+01
	109	1.0299e-02	-1.1759e+00	1.3356e+00	-3.7341e+01	-6.2774e+01	-4.7514e+00
545	103	-9.3201e-02	-1.5973e+00	-1.3614e+00	2.1052e+01	9.5528e+01	-5.8713e+01
	110	9.3201e-02	1.5973e+00	1.3614e+00	-2.1052e+01	-7.6274e+01	3.6124e+01
546	122	1.4211e-14	2.4020e-02	2.8866e-15	1.2133e+00	2.8422e-14	-1.1276e+01
	123	-1.4211e-14	-2.4020e-02	-2.8866e-15	-1.2133e+00	-1.9895e-13	2.0451e+01
547	175	-4.5475e-13	-7.9261e+00	-2.5011e-12	-4.1932e+02	-2.5466e-11	3.7367e+02
	122	4.5475e-13	7.9261e+00	2.5011e-12	4.1932e+02	-2.0009e-11	-5.4181e+02
548	97	-5.6843e-14	-7.9261e+00	2.6645e-15	-3.2276e+01	5.6843e-13	-7.6293e+02

	175	5.6843e-14	7.9261e+00	-2.6645e-15	3.2276e+01	3.4106e-13	-5.6073e+02
549	98	2.2737e-13	-8.0051e-02	7.9103e-16	-1.8779e+00	-2.8422e-14	-1.1544e+01
	97	-2.2737e-13	8.0051e-02	-7.9103e-16	1.8779e+00	-1.4921e-13	-1.0069e+01
550	90	6.8212e-13	-5.0948e+00	2.2737e-13	4.6687e+02	3.6380e-12	3.4915e+02
	98	-6.8212e-13	5.0948e+00	-2.2737e-13	-4.6687e+02	-5.4570e-12	-4.5723e+02
551	92	-9.2371e-14	6.1219e-03	-4.4409e-16	1.6421e+01	8.5265e-14	1.3475e+00
	90	9.2371e-14	-6.1219e-03	4.4409e-16	-1.6421e+01	-2.8422e-14	9.9111e-01
552	429	3.3307e-13	-6.2523e+00	-1.7764e-15	6.0660e+01	2.2737e-13	-7.1588e+02
	442	-3.3307e-13	6.2523e+00	1.7764e-15	-6.0660e+01	0.0000e+00	-1.2536e+03
553	435	-1.9540e-14	-1.0408e+01	-2.6645e-15	-2.9763e+01	2.2737e-13	-1.3008e+03
	429	1.9540e-14	1.0408e+01	2.6645e-15	2.9763e+01	-2.2737e-13	-2.0088e+03
554	458	-2.6557e-13	-1.9096e+01	3.1086e-15	-2.9992e+02	-3.4106e-13	-3.1675e+03
	435	2.6557e-13	1.9096e+01	-3.1086e-15	2.9992e+02	-2.8422e-13	-2.9049e+03
555	467	-3.7836e-13	1.8818e+00	1.3323e-15	2.6056e+02	0.0000e+00	-2.5975e+02
	458	3.7836e-13	-1.8818e+00	-1.3323e-15	-2.6056e+02	9.9476e-14	8.5815e+02
556	449	-3.5882e-13	-9.0493e-01	1.2212e-15	1.2738e+02	-1.7053e-13	9.0351e+01
	467	3.5882e-13	9.0493e-01	-1.2212e-15	-1.2738e+02	2.8422e-14	-3.8445e+02
557	447	4.1300e-13	-1.5253e+01	1.7764e-15	-1.0735e+02	0.0000e+00	-2.5152e+03
	449	-4.1300e-13	1.5253e+01	-1.7764e-15	1.0735e+02	1.1369e-13	-2.3430e+03
558	445	3.3840e-13	-1.4186e+01	-1.7764e-15	2.7533e+02	-2.2737e-13	-4.9713e+03
	447	-3.3840e-13	1.4186e+01	1.7764e-15	-2.7533e+02	2.2737e-13	5.3097e+02
559	456	2.3981e-13	6.9049e+01	-2.6645e-15	-1.1685e+02	6.8212e-13	8.4688e+03
	445	-2.3981e-13	-6.9049e+01	2.6645e-15	1.1685e+02	6.8212e-13	1.3017e+04
560	452	2.8422e-13	3.5183e+00	8.8818e-16	6.3855e+01	2.2737e-13	4.0949e+02
	453	-2.8422e-13	-3.5183e+00	-8.8818e-16	-6.3855e+01	4.5475e-13	7.1109e+02
561	90	-3.4106e-13	2.8006e+01	4.6185e-14	4.1841e+02	-2.9559e-12	2.5392e+03
	452	3.4106e-13	-2.8006e+01	-4.6185e-14	-4.1841e+02	-3.1832e-12	2.2125e+03
562	424	5.6843e-13	-9.2742e+00	7.1054e-15	1.8342e+02	9.0949e-13	-1.4645e+03
	169	-5.6843e-13	9.2742e+00	-7.1054e-15	-1.8342e+02	-4.5475e-13	-1.5065e+03
563	461	7.3896e-13	-3.1599e+00	3.5527e-15	-3.4850e+01	1.3642e-12	-5.6604e+02
	424	-7.3896e-13	3.1599e+00	-3.5527e-15	3.4850e+01	-2.2737e-12	-4.3881e+02
572	420	0.0000e+00	-2.6161e+00	3.5527e-15	3.2444e+01	1.3642e-12	-3.8692e+02
	162	0.0000e+00	2.6161e+00	-3.5527e-15	-3.2444e+01	9.0949e-13	-4.5115e+02
573	436	-1.1369e-13	-3.1273e+00	-5.3291e-15	-5.3407e+00	0.0000e+00	-4.9081e+02
	420	1.1369e-13	3.1273e+00	5.3291e-15	5.3407e+00	-4.5475e-13	-5.0366e+02
574	431	-3.9790e-13	-3.4091e+00	7.1054e-15	-4.6415e+01	2.2737e-12	-5.3943e+02
	436	3.9790e-13	3.4091e+00	-7.1054e-15	4.6415e+01	9.0949e-13	-5.4466e+02
575	440	-5.1159e-13	-2.9699e+00	-8.8818e-16	3.0140e+01	9.0949e-13	-4.7606e+02
	431	5.1159e-13	2.9699e+00	8.8818e-16	-3.0140e+01	-8.5265e-13	-4.6837e+02
576	422	-3.9790e-13	-3.4802e+00	-1.7764e-15	2.2047e+01	8.8107e-13	-5.5190e+02
	440	3.9790e-13	3.4802e+00	1.7764e-15	-2.2047e+01	2.2737e-13	-5.7916e+02
577	416	2.8422e-13	-4.7489e+00	-4.4409e-15	-3.7664e+01	-1.3642e-12	-7.1737e+02
	422	-2.8422e-13	4.7489e+00	4.4409e-15	3.7664e+01	-1.1369e-12	-7.9517e+02
578	426	1.1369e-13	-1.6308e+00	3.5527e-15	2.6499e+02	-4.5475e-13	-1.0502e+03
	416	-1.1369e-13	1.6308e+00	-3.5527e-15	-2.6499e+02	-1.3642e-12	5.3981e+02
579	78	-1.7053e-13	1.6660e+01	7.1054e-15	-2.3082e+02	0.0000e+00	3.1421e+03
	426	1.7053e-13	-1.6660e+01	-7.1054e-15	2.3082e+02	-1.8190e-12	2.0450e+03
588	174	-5.6843e-14	1.4311e+00	2.6645e-15	-2.4800e+02	-5.1159e-13	3.5332e+02
	445	5.6843e-14	-1.4311e+00	-2.6645e-15	2.4800e+02	-6.2528e-13	3.8942e+02
589	432	1.1369e-13	-6.7711e+00	4.9738e-14	8.6653e+02	2.7285e-12	-7.1521e+02

	174	-1.1369e-13	6.7711e+00	-4.9738e-14	-8.6653e+02	2.7285e-12	-5.9500e+02
590	439	3.4106e-13	5.1500e+01	2.8422e-14	-9.7609e+01	-9.0949e-13	2.1049e+03
	122	-3.4106e-13	-5.1500e+01	-2.8422e-14	9.7609e+01	-1.3642e-12	7.0948e+03
591	115	7.3896e-13	-1.5857e+00	3.5527e-14	3.1499e+01	9.0949e-12	-1.6588e+02
	123	-7.3896e-13	1.5857e+00	-3.5527e-14	-3.1499e+01	5.9117e-12	-6.8595e+01
592	104	5.6843e-13	3.2784e+00	-2.6645e-14	-8.5061e+00	3.4106e-12	4.1599e+02
	115	-5.6843e-13	-3.2784e+00	2.6645e-14	8.5061e+00	-1.6485e-12	1.5118e+02
593	92	-7.6739e-13	-1.2569e+01	7.1054e-15	2.5836e+01	2.9132e-12	-1.0143e+03
	104	7.6739e-13	1.2569e+01	-7.1054e-15	-2.5836e+01	1.5916e-12	-8.4423e+02
594	104	-2.8777e-13	-1.2411e+01	3.3751e-14	5.1297e+01	4.3769e-12	-1.3506e+03
	467	2.8777e-13	1.2411e+01	-3.3751e-14	-5.1297e+01	4.5475e-12	-7.3736e+02
595	123	7.9581e-13	-3.6907e+01	-2.1316e-14	-3.9012e+02	5.5707e-12	-3.3693e+03
	458	-7.9581e-13	3.6907e+01	2.1316e-14	3.9012e+02	1.1369e-13	-2.2466e+03
596	424	-1.7053e-13	-4.2011e+00	2.6645e-15	-2.1457e+01	-5.9686e-13	-1.2544e+03
	429	1.7053e-13	4.2011e+00	-2.6645e-15	2.1457e+01	5.6843e-13	-9.2596e+02
598	461	-1.7053e-13	-3.5030e+00	0.0000e+00	-1.3531e+02	5.9686e-13	-1.0665e+03
	435	1.7053e-13	3.5030e+00	0.0000e+00	1.3531e+02	-6.8212e-13	-7.5152e+02
599	459	-3.4106e-13	1.8352e+01	0.0000e+00	8.4287e+01	3.1832e-12	1.5444e+03
	461	3.4106e-13	-1.8352e+01	0.0000e+00	-8.4287e+01	-1.8190e-12	2.0066e+03
600	452	-1.5632e-13	-2.3919e+00	8.8818e-16	2.4813e+01	-5.4001e-13	-7.8542e+02
	449	1.5632e-13	2.3919e+00	-8.8818e-16	-2.4813e+01	2.2737e-13	-4.5600e+02
601	423	-5.6843e-14	2.1991e+01	1.4211e-14	4.1375e+01	-5.0022e-12	1.9404e+03
	452	5.6843e-14	-2.1991e+01	-1.4211e-14	-4.1375e+01	0.0000e+00	2.3148e+03
602	456	-1.1369e-13	-7.8297e+00	-5.5511e-17	-8.7049e+02	1.2790e-13	-1.8914e+03
	78	1.1369e-13	7.8297e+00	5.5511e-17	8.7049e+02	-2.8422e-13	-2.3915e+03
603	85	-1.1369e-13	-1.5686e+00	1.6653e-16	1.0044e+03	2.5580e-13	-6.7026e+02
	456	1.1369e-13	1.5686e+00	-1.6653e-16	-1.0044e+03	3.1264e-13	-1.0464e+02
604	442	-1.1369e-13	-1.3172e+00	1.5543e-15	6.4780e+01	2.8422e-14	2.0174e+02
	162	1.1369e-13	1.3172e+00	-1.5543e-15	-6.4780e+01	-3.5527e-13	-9.0911e+02
605	169	0.0000e+00	-8.6421e+00	-5.5511e-16	-9.4009e+00	-5.6843e-14	-2.8019e+03
	442	0.0000e+00	8.6421e+00	5.5511e-16	9.4009e+00	-1.9895e-13	-1.5539e+03
606	420	-3.4106e-13	3.6741e+00	4.2633e-14	-1.3480e+02	2.7285e-12	3.8525e+02
	419	3.4106e-13	-3.6741e+00	-4.2633e-14	1.3480e+02	-1.8190e-12	3.2568e+02
607	429	-2.2737e-13	-5.6907e-01	8.8818e-16	5.3028e+01	2.8422e-13	-6.5234e+01
	420	2.2737e-13	5.6907e-01	-8.8818e-16	-5.3028e+01	5.4001e-13	-2.4889e+02
608	436	-1.1369e-13	4.1171e+00	4.9738e-14	-7.8549e+01	-5.4570e-12	4.5339e+02
	443	1.1369e-13	-4.1171e+00	-4.9738e-14	7.8549e+01	-2.7285e-12	3.4326e+02
609	435	-1.9895e-13	-8.6971e-01	-2.1094e-15	9.9886e+01	-6.2528e-13	-1.4312e+02
	436	1.9895e-13	8.6971e-01	2.1094e-15	-9.9886e+01	-3.6948e-13	-3.3696e+02
610	431	-1.1369e-13	9.5928e+00	-7.1054e-15	-1.2551e+02	-2.0464e-12	1.5401e+03
	417	1.1369e-13	-9.5928e+00	7.1054e-15	1.2551e+02	-2.0464e-12	3.1605e+02
611	458	0.0000e+00	-3.7191e+00	1.6653e-16	1.2569e+02	7.1054e-14	-1.4905e+02
	431	0.0000e+00	3.7191e+00	-1.6653e-16	-1.2569e+02	-2.9843e-13	-1.9039e+03
612	440	-3.9080e-14	3.7368e+00	-1.4211e-14	-1.4038e+02	-3.6380e-12	4.2773e+02
	438	3.9080e-14	-3.7368e+00	1.4211e-14	1.4038e+02	-1.3642e-12	2.9533e+02
613	467	-8.1712e-14	-1.1378e+00	1.1102e-16	-1.1870e+00	3.4106e-13	-2.1395e+02
	440	8.1712e-14	1.1378e+00	-1.1102e-16	1.1870e+00	8.2423e-13	-4.1414e+02
614	422	2.2737e-13	5.3186e+00	0.0000e+00	-5.7461e+01	7.2760e-12	5.6298e+02
	448	-2.2737e-13	-5.3186e+00	0.0000e+00	5.7461e+01	6.3665e-12	4.6767e+02
615	449	2.4158e-13	-9.7935e-01	2.9976e-15	2.2743e+01	-2.8422e-13	-1.9279e+02

	422	-2.4158e-13	9.7935e-01	-2.9976e-15	-2.2743e+01	2.8422e-14	-3.4781e+02
616	426	-1.1369e-13	1.5241e+01	3.5527e-14	-7.5523e+02	0.0000e+00	1.3631e+03
	433	1.1369e-13	-1.5241e+01	-3.5527e-14	7.5523e+02	1.3642e-12	1.5859e+03
617	445	1.1369e-13	-3.0497e+00	1.2212e-15	2.4833e+02	-1.1369e-13	-7.1735e+02
	426	-1.1369e-13	3.0497e+00	-1.2212e-15	-2.4833e+02	-5.4001e-13	-9.6611e+02
618	416	-1.1369e-13	2.2294e+00	-1.7764e-14	1.3981e+02	2.5011e-12	4.5829e+02
	434	1.1369e-13	-2.2294e+00	1.7764e-14	-1.3981e+02	2.0464e-12	-2.6908e+01
619	447	1.7053e-13	-8.8882e-01	7.2164e-16	-3.7751e+01	2.7001e-13	2.7031e+02
	416	-1.7053e-13	8.8882e-01	-7.2164e-16	3.7751e+01	2.8422e-14	-7.6094e+02
620	453	-1.1369e-13	-1.2498e+01	1.4433e-15	-1.6017e+02	-2.2737e-13	-4.5122e+03
	447	1.1369e-13	1.2498e+01	-1.4433e-15	1.6017e+02	2.8422e-14	-1.9745e+03
621	468	0.0000e+00	5.4682e+01	-1.4211e-14	1.7769e+02	6.8212e-13	3.8770e+03
	453	0.0000e+00	-5.4682e+01	1.4211e-14	-1.7769e+02	1.1369e-12	6.7195e+03
622	364	-5.6133e-13	-1.1399e+01	8.8818e-16	1.5085e+02	0.0000e+00	-1.5670e+03
	363	5.6133e-13	1.1399e+01	-8.8818e-16	-1.5085e+02	-2.2737e-13	-2.0235e+03
623	382	3.9080e-14	-1.8119e+01	-3.5527e-15	-1.4392e+01	1.1369e-13	-2.6566e+03
	364	-3.9080e-14	1.8119e+01	3.5527e-15	1.4392e+01	2.2737e-13	-3.1052e+03
624	339	3.1619e-13	-2.6266e+01	-2.2204e-15	-3.0959e+02	3.9790e-13	-4.1479e+03
	382	-3.1619e-13	2.6266e+01	2.2204e-15	3.0959e+02	-3.4106e-13	-4.2048e+03
625	334	-3.2330e-13	-7.1560e-01	-4.4409e-16	2.2422e+02	-2.5580e-13	-5.6977e+02
	339	3.2330e-13	7.1560e-01	4.4409e-16	-2.2422e+02	3.9790e-13	3.4221e+02
626	378	6.3949e-14	-4.0178e+00	-9.9920e-16	9.4514e+01	-1.1369e-13	-5.4505e+02
	334	-6.3949e-14	4.0178e+00	9.9920e-16	-9.4514e+01	-1.9895e-13	-7.6073e+02
627	384	-1.7764e-14	-2.1278e+01	0.0000e+00	-1.3732e+02	1.7053e-13	-3.4951e+03
	378	1.7764e-14	2.1278e+01	0.0000e+00	1.3732e+02	2.2737e-13	-3.2818e+03
628	362	8.8818e-14	-9.7770e+00	0.0000e+00	2.5251e+02	-1.1369e-13	-3.4958e+03
	384	-8.8818e-14	9.7770e+00	0.0000e+00	-2.5251e+02	-1.1369e-13	4.3561e+02
629	347	2.9354e-13	9.9876e+01	-8.8818e-16	-9.9775e+01	-4.5475e-13	1.3501e+04
	362	-2.9354e-13	-9.9876e+01	8.8818e-16	9.9775e+01	-2.2737e-13	1.7576e+04
630	338	1.1369e-13	4.7359e+00	-5.3291e-15	8.4592e+01	-4.5475e-13	6.7574e+02
	350	-1.1369e-13	-4.7359e+00	5.3291e-15	-8.4592e+01	-2.2737e-13	8.3266e+02
631	88	-2.2737e-13	3.5777e+01	2.4869e-14	3.7105e+02	4.5475e-12	3.1256e+03
	338	2.2737e-13	-3.5777e+01	-2.4869e-14	-3.7105e+02	-1.1369e-12	2.9444e+03
632	356	5.1159e-13	-1.1132e+01	0.0000e+00	6.7096e+01	0.0000e+00	-1.7692e+03
	166	-5.1159e-13	1.1132e+01	0.0000e+00	-6.7096e+01	1.3642e-12	-1.7970e+03
633	348	-2.2737e-13	-4.4056e+00	3.5527e-15	6.0273e+01	9.0949e-13	-7.2862e+02
	356	2.2737e-13	4.4056e+00	-3.5527e-15	-6.0273e+01	4.5475e-13	-6.7236e+02
634	119	-4.5475e-13	3.8303e-01	3.5527e-15	-9.0242e+01	-6.8212e-13	5.9762e+01
	348	4.5475e-13	-3.8303e-01	-3.5527e-15	9.0242e+01	-7.9581e-13	6.4855e+01
643	381	-5.6843e-14	-3.4870e+00	-3.5527e-15	-3.5805e+00	1.3642e-12	-5.3871e+02
	128	5.6843e-14	3.4870e+00	3.5527e-15	3.5805e+00	4.5475e-13	-5.7836e+02
644	376	0.0000e+00	-4.1931e+00	0.0000e+00	-1.5123e+01	0.0000e+00	-6.6324e+02
	381	0.0000e+00	4.1931e+00	0.0000e+00	1.5123e+01	-6.8212e-13	-6.7018e+02
645	373	1.1369e-13	-4.5347e+00	2.6645e-15	-9.0022e+01	4.5475e-13	-7.2081e+02
	376	-1.1369e-13	4.5347e+00	-2.6645e-15	9.0022e+01	-6.8212e-13	-7.2123e+02
646	361	1.7053e-13	-4.1552e+00	5.7732e-15	7.7496e+01	-5.6843e-13	-6.6076e+02
	373	-1.7053e-13	4.1552e+00	-5.7732e-15	-7.7496e+01	4.5475e-13	-6.6058e+02
647	375	-3.4106e-13	-4.6741e+00	-4.4409e-16	2.0074e+01	-7.9581e-13	-7.5564e+02
	361	3.4106e-13	4.6741e+00	4.4409e-16	-2.0074e+01	-4.5475e-13	-7.6344e+02
648	369	3.4106e-13	-5.8202e+00	-4.4409e-15	-2.8820e+01	-4.5475e-13	-8.5326e+02

	375	-3.4106e-13	5.8202e+00	4.4409e-15	2.8820e+01	-4.5475e-13	-1.0005e+03
649	388	-2.8422e-13	-1.4628e+00	-7.1054e-15	2.6479e+02	1.1369e-12	-9.4922e+02
	369	2.8422e-13	1.4628e+00	7.1054e-15	-2.6479e+02	4.5475e-13	4.9137e+02
650	76	2.2737e-13	2.0695e+01	7.1054e-15	-2.2997e+02	9.0949e-13	3.7675e+03
	388	-2.2737e-13	-2.0695e+01	-7.1054e-15	2.2997e+02	-4.5475e-13	2.6761e+03
659	173	1.1369e-13	1.4173e+00	4.4409e-16	-3.1884e+02	-1.1369e-13	3.7144e+02
	362	-1.1369e-13	-1.4173e+00	-4.4409e-16	3.1884e+02	-1.1369e-13	3.6415e+02
660	353	0.0000e+00	-6.7707e+00	-2.8422e-14	1.1598e+03	1.3642e-12	-6.8890e+02
	173	0.0000e+00	6.7707e+00	2.8422e-14	-1.1598e+03	-2.7285e-12	-6.2123e+02
661	355	-3.4106e-13	7.0559e+01	0.0000e+00	-3.4227e+01	-1.1369e-12	4.0855e+03
	119	3.4106e-13	-7.0559e+01	0.0000e+00	3.4227e+01	-9.0949e-13	8.5190e+03
662	113	-5.6843e-14	-1.5622e+00	2.8422e-14	2.0992e+01	2.2737e-13	-1.2508e+02
	121	5.6843e-14	1.5622e+00	-2.8422e-14	-2.0992e+01	5.0022e-12	-1.0591e+02
663	102	-7.6739e-13	2.7058e+00	2.4869e-14	-1.3804e+01	1.2506e-12	3.2378e+02
	113	7.6739e-13	-2.7058e+00	-2.4869e-14	1.3804e+01	-7.6739e-13	1.4431e+02
664	89	-2.8422e-14	-1.4088e+01	3.8192e-14	2.0974e+01	-3.1264e-12	-1.1369e+03
	102	2.8422e-14	1.4088e+01	-3.8192e-14	-2.0974e+01	1.9327e-12	-9.4625e+02
665	102	-2.4958e-13	-1.5862e+01	0.0000e+00	1.2875e+01	-1.8190e-12	-1.5094e+03
	334	2.4958e-13	1.5862e+01	0.0000e+00	-1.2875e+01	3.4106e-13	-1.1592e+03
666	121	-2.8422e-13	-4.1613e+01	-3.3751e-14	-3.2657e+02	1.0800e-12	-3.5441e+03
	339	2.8422e-13	4.1613e+01	3.3751e-14	3.2657e+02	-1.4779e-12	-2.7877e+03
667	356	2.2737e-13	-4.5092e+00	6.6613e-16	-4.9685e+01	-6.2528e-13	-1.2351e+03
	364	-2.2737e-13	4.5092e+00	-6.6613e-16	4.9685e+01	3.4106e-13	-1.1052e+03
668	367	3.4106e-13	2.1188e+01	4.2633e-14	5.9007e+01	1.3642e-12	1.9394e+03
	356	-3.4106e-13	-2.1188e+01	-4.2633e-14	-5.9007e+01	-9.0949e-13	2.1605e+03
669	348	8.5265e-14	-3.9272e+00	-2.8866e-15	-1.0531e+02	4.5475e-13	-1.1071e+03
	382	-8.5265e-14	3.9272e+00	2.8866e-15	1.0531e+02	5.1159e-13	-9.3111e+02
670	349	-2.2737e-13	2.6119e+01	-7.1054e-15	7.0517e+01	-2.2737e-12	2.4140e+03
	348	2.2737e-13	-2.6119e+01	7.1054e-15	-7.0517e+01	-3.6380e-12	2.6400e+03
671	338	-1.9895e-13	-3.4281e+00	-2.2204e-15	-1.3883e+01	3.9790e-13	-1.0450e+03
	378	1.9895e-13	3.4281e+00	2.2204e-15	1.3883e+01	7.9581e-13	-7.3418e+02
672	368	-1.7053e-13	3.6302e+01	4.2633e-14	9.0571e+01	-3.6380e-12	3.3914e+03
	338	1.7053e-13	-3.6302e+01	-4.2633e-14	-9.0571e+01	-5.4570e-12	3.6330e+03
673	347	-1.1369e-13	-8.3544e+00	-1.1102e-16	-7.6478e+02	1.7053e-13	-2.1804e+03
	76	1.1369e-13	8.3544e+00	1.1102e-16	7.6478e+02	1.2079e-13	-2.3894e+03
674	83	0.0000e+00	-3.6167e+00	-1.2212e-15	8.3919e+02	-2.9843e-13	-1.0577e+03
	347	0.0000e+00	3.6167e+00	1.2212e-15	-8.3919e+02	5.6843e-14	-7.2900e+02
675	363	-1.1369e-13	-3.3986e+00	5.5511e-16	5.9281e+01	-4.2633e-14	-4.4343e+02
	128	1.1369e-13	3.3986e+00	-5.5511e-16	-5.9281e+01	1.7053e-13	-1.3817e+03
676	166	0.0000e+00	-9.6525e+00	1.6653e-16	-4.0515e+01	1.7053e-13	-2.8528e+03
	363	0.0000e+00	9.6525e+00	-1.6653e-16	4.0515e+01	-1.4211e-13	-2.0123e+03
677	381	0.0000e+00	4.7396e+00	-2.1316e-14	-1.2255e+02	6.8212e-12	4.9583e+02
	380	0.0000e+00	-4.7396e+00	2.1316e-14	1.2255e+02	5.9117e-12	4.2127e+02
678	364	-2.8422e-13	-1.0710e+00	-1.4433e-15	5.9657e+01	-2.8422e-13	-2.5023e+02
	381	2.8422e-13	1.0710e+00	1.4433e-15	-5.9657e+01	-8.5265e-14	-3.4097e+02
679	376	1.1369e-13	5.7411e+00	0.0000e+00	-9.2082e+01	0.0000e+00	6.2051e+02
	370	-1.1369e-13	-5.7411e+00	0.0000e+00	9.2082e+01	6.8212e-12	4.9038e+02
680	382	1.7053e-13	-1.6268e+00	5.5511e-15	1.1358e+02	1.2506e-12	-3.9910e+02
	376	-1.7053e-13	1.6268e+00	-5.5511e-15	-1.1358e+02	5.6843e-13	-4.9891e+02
681	373	4.5475e-13	5.5631e+00	-7.1054e-15	-9.8275e+01	-1.8190e-12	6.9081e+02

	383	-4.5475e-13	-5.5631e+00	7.1054e-15	9.8275e+01	-1.8190e-12	3.8564e+02
682	339	-2.8422e-14	-4.8889e+00	-1.1102e-16	1.4048e+02	4.2633e-14	-8.9139e+02
	373	2.8422e-14	4.8889e+00	1.1102e-16	-1.4048e+02	7.1054e-14	-1.8073e+03
683	361	-2.1227e-13	5.2263e+00	4.2633e-14	-1.2933e+02	4.5475e-13	5.7614e+02
	371	2.1227e-13	-5.2263e+00	-4.2633e-14	1.2933e+02	-4.5475e-13	4.3515e+02
684	334	1.1546e-14	-1.8273e+00	5.3291e-15	2.7269e+01	3.4106e-13	-4.3449e+02
	361	-1.1546e-14	1.8273e+00	-5.3291e-15	-2.7269e+01	3.4106e-13	-5.7420e+02
685	375	2.2737e-13	7.1652e+00	4.2633e-14	-5.8997e+01	-2.7285e-12	7.4613e+02
	354	-2.2737e-13	-7.1652e+00	-4.2633e-14	5.8997e+01	2.7285e-12	6.4238e+02
686	378	3.4106e-13	-1.5093e+00	-2.6645e-15	4.4816e+01	-1.3642e-12	-3.6617e+02
	375	-3.4106e-13	1.5093e+00	2.6645e-15	-4.4816e+01	1.1369e-13	-4.6696e+02
687	388	-2.2737e-13	1.8321e+01	4.2633e-14	-1.3579e+03	1.8190e-12	1.5547e+03
	386	2.2737e-13	-1.8321e+01	-4.2633e-14	1.3579e+03	-9.0949e-13	1.9905e+03
688	362	-5.6843e-14	-3.8362e+00	6.6613e-16	3.7691e+02	-7.9581e-13	-9.2843e+02
	388	5.6843e-14	3.8362e+00	-6.6613e-16	-3.7691e+02	-8.5265e-13	-1.1891e+03
689	369	3.4106e-13	2.7993e+00	-2.4869e-14	2.8756e+02	-6.8212e-13	4.9364e+02
	385	-3.4106e-13	-2.7993e+00	2.4869e-14	-2.8756e+02	-4.5475e-13	4.8031e+01
690	384	0.0000e+00	-1.5581e+00	2.2204e-16	-7.4337e+01	-1.9895e-13	-7.2849e+01
	369	0.0000e+00	1.5581e+00	-2.2204e-16	7.4337e+01	2.1316e-14	-7.8724e+02
691	350	-1.7053e-13	-1.4417e+01	-6.6613e-16	-1.0480e+02	1.9895e-13	-4.8568e+03
	384	1.7053e-13	1.4417e+01	6.6613e-16	1.0480e+02	3.1264e-13	-2.6258e+03
692	352	-2.2737e-13	8.1462e+01	1.0658e-14	7.8460e+01	1.1369e-12	6.8230e+03
	350	2.2737e-13	-8.1462e+01	-1.0658e-14	-7.8460e+01	6.8212e-13	8.9631e+03
693	172	0.0000e+00	-9.5234e+00	-1.3323e-15	-1.1242e+03	0.0000e+00	-2.7909e+03
	141	0.0000e+00	9.5234e+00	1.3323e-15	1.1242e+03	-2.2737e-13	-2.1517e+03
694	130	-1.1369e-13	3.0450e+00	-2.1316e-14	2.1098e+03	9.0949e-13	-7.5264e+03
	172	1.1369e-13	-3.0450e+00	2.1316e-14	-2.1098e+03	2.7285e-12	8.1156e+03
695	171	-2.6839e+02	5.9010e+01	-2.2398e+01	4.9884e+01	4.2829e+03	4.4056e+03
	172	2.6839e+02	-5.9010e+01	2.2398e+01	-4.9884e+01	3.1085e+03	1.5068e+04
696	134	1.1369e-13	-1.2945e+02	-2.8422e-14	-2.7615e+03	0.0000e+00	-1.9930e+04
	503	-1.1369e-13	1.2945e+02	2.8422e-14	2.7615e+03	9.0949e-13	-3.1936e+03
697	496	2.5580e-13	1.7737e+00	-9.7700e-15	-2.3915e+01	4.5475e-13	1.2200e+02
	504	-2.5580e-13	-1.7737e+00	9.7700e-15	2.3915e+01	4.5475e-13	1.4027e+02
698	494	-8.5265e-14	1.9708e+00	1.5543e-15	-2.5366e+01	-2.8422e-14	2.9114e+02
	496	8.5265e-14	-1.9708e+00	-1.5543e-15	2.5366e+01	-9.9476e-14	4.9817e+01
699	493	1.4211e-13	-1.0860e+01	1.3323e-15	-1.6801e+01	1.9185e-13	-8.7998e+02
	494	-1.4211e-13	1.0860e+01	-1.3323e-15	1.6801e+01	-8.5265e-14	-7.2584e+02
700	494	-1.0414e-13	-2.5561e+01	7.1054e-15	1.4953e+02	0.0000e+00	-2.4729e+03
	144	1.0414e-13	2.5561e+01	-7.1054e-15	-1.4953e+02	5.6843e-13	-1.8275e+03
701	504	-8.5265e-14	-6.6809e+01	7.1054e-15	4.6170e+01	-1.1369e-12	-5.6787e+03
	145	8.5265e-14	6.6809e+01	-7.1054e-15	-4.6170e+01	-1.1369e-13	-4.4870e+03
702	137	5.6843e-14	-7.8927e+00	-3.1086e-15	8.8721e-01	2.2737e-13	-1.9667e+03
	147	-5.6843e-14	7.8927e+00	3.1086e-15	-8.8721e-01	-4.5475e-13	-2.1296e+03
703	136	3.4106e-13	-1.0429e+02	2.1316e-14	1.3315e+02	-1.8190e-12	-1.7621e+04
	137	-3.4106e-13	1.0429e+02	-2.1316e-14	-1.3315e+02	2.7285e-12	-2.5591e+03
704	138	-5.6843e-14	-6.9270e+00	-1.7764e-15	8.1714e+00	-1.1369e-13	-1.7850e+03
	146	5.6843e-14	6.9270e+00	1.7764e-15	-8.1714e+00	6.8212e-13	-1.8101e+03
705	135	-1.1369e-13	-9.8575e+01	7.1054e-15	1.5875e+03	-3.6380e-12	-1.7596e+04
	138	1.1369e-13	9.8575e+01	-7.1054e-15	-1.5875e+03	-9.0949e-13	-1.4784e+03
706	140	-4.2633e-14	-4.6575e+00	-1.3323e-15	1.0045e+02	5.6843e-13	-1.2622e+03

	143	4.2633e-14	4.6575e+00	1.3323e-15	-1.0045e+02	-6.8212e-13	-1.1551e+03
707	132	8.5265e-14	-9.0964e+01	1.4211e-14	-1.5544e+03	4.5475e-12	-1.7590e+04
	140	-8.5265e-14	9.0964e+01	-1.4211e-14	1.5544e+03	4.5475e-12	-1.1176e+01
708	161	0.0000e+00	6.6116e-01	-1.3444e-16	-2.8601e+01	3.5527e-15	5.2988e+02
	482	0.0000e+00	-6.6116e-01	1.3444e-16	2.8601e+01	4.2633e-14	-1.6823e+02
709	579	2.2737e-13	-7.9813e+01	4.9738e-14	1.7941e+04	-2.9559e-12	-3.5197e+03
	161	-2.2737e-13	7.9813e+01	-4.9738e-14	-1.7941e+04	0.0000e+00	-2.6348e+03
710	25	-2.2737e-13	1.3773e+03	-4.2633e-14	-1.6372e+03	9.0949e-13	9.5856e+04
	479	2.2737e-13	-1.3773e+03	4.2633e-14	1.6372e+03	-1.8190e-12	4.6694e+04
711	148	-8.5265e-14	-1.9974e+00	2.7409e-16	-6.7518e+01	4.9738e-14	-4.9616e+02
	474	8.5265e-14	1.9974e+00	-2.7409e-16	6.7518e+01	-9.2371e-14	-5.7652e+02
712	478	0.0000e+00	-5.0357e+00	-5.5511e-16	1.3467e+01	1.1369e-13	-1.3281e+03
	148	0.0000e+00	5.0357e+00	5.5511e-16	-1.3467e+01	2.8422e-14	-1.2100e+03
713	156	3.4106e-13	1.3445e+02	-1.4211e-14	7.0464e+00	-2.7285e-12	6.9347e+03
	160	-3.4106e-13	-1.3445e+02	1.4211e-14	-7.0464e+00	-3.6380e-12	1.9082e+04
714	147	0.0000e+00	-6.0879e+00	1.7625e-15	-4.0308e+01	7.9581e-13	-1.1423e+03
	156	0.0000e+00	6.0879e+00	-1.7625e-15	4.0308e+01	7.2475e-13	-2.2182e+03
715	155	-1.1369e-13	1.4211e+02	2.1316e-14	-1.9491e+02	1.8190e-12	7.3642e+03
	159	1.1369e-13	-1.4211e+02	-2.1316e-14	1.9491e+02	2.2737e-12	2.0134e+04
716	146	0.0000e+00	-7.0126e+00	-9.2981e-16	-6.2739e+01	2.2737e-13	-1.3456e+03
	155	0.0000e+00	7.0126e+00	9.2981e-16	6.2739e+01	-4.1211e-13	-2.5253e+03
717	154	-1.1369e-13	1.4375e+02	1.4211e-14	2.4302e+02	1.8190e-12	7.3100e+03
	158	1.1369e-13	-1.4375e+02	-1.4211e-14	-2.4302e+02	4.5475e-13	2.0506e+04
718	145	1.4211e-14	-7.0762e+00	-1.6931e-15	-4.7709e+01	-5.9686e-13	-1.2203e+03
	154	-1.4211e-14	7.0762e+00	1.6931e-15	4.7709e+01	-5.9686e-13	-2.6857e+03
719	153	9.7700e-15	1.4654e+02	3.5527e-14	4.7953e+01	-9.0949e-13	7.5847e+03
	157	-9.7700e-15	-1.4654e+02	-3.5527e-14	-4.7953e+01	-2.7285e-12	2.0771e+04
720	144	-2.1760e-14	-7.1010e+00	1.5821e-15	-4.0470e+01	-8.2423e-13	-1.3360e+03
	153	2.1760e-14	7.1010e+00	-1.5821e-15	4.0470e+01	-7.3896e-13	-2.5837e+03
721	151	-1.1369e-13	1.4729e+02	-6.3949e-14	-3.3359e+02	3.6380e-12	7.8840e+03
	152	1.1369e-13	-1.4729e+02	6.3949e-14	3.3359e+02	4.0927e-12	2.0659e+04
722	143	-7.1054e-14	-6.3589e+00	-4.8572e-16	-9.0821e+01	4.2633e-13	-1.1795e+03
	151	7.1054e-14	6.3589e+00	4.8572e-16	9.0821e+01	-2.5580e-13	-2.3306e+03
723	194	-1.1369e-13	1.1268e+02	-2.1316e-14	3.8065e+00	2.7285e-12	5.1292e+03
	149	1.1369e-13	-1.1268e+02	2.1316e-14	-3.8065e+00	3.6380e-12	1.6675e+04
724	141	0.0000e+00	-4.5273e+00	9.7145e-17	2.5329e+02	4.2633e-13	-6.6584e+02
	194	0.0000e+00	4.5273e+00	-9.7145e-17	-2.5329e+02	4.2633e-13	-1.8332e+03
725	195	1.1369e-13	1.4325e+02	1.4211e-14	1.5410e+02	-1.8190e-12	7.3737e+03
	150	-1.1369e-13	-1.4325e+02	-1.4211e-14	-1.5410e+02	-4.5475e-13	2.0345e+04
726	142	-2.8422e-14	-6.9900e+00	6.8001e-16	-7.3662e+01	5.6843e-14	-1.3000e+03
	195	2.8422e-14	6.9900e+00	-6.8001e-16	7.3662e+01	-2.8422e-13	-2.5585e+03
727	139	-2.8422e-14	-5.4259e+00	-1.7764e-15	1.1851e+02	9.0949e-13	-1.4876e+03
	142	2.8422e-14	5.4259e+00	1.7764e-15	-1.1851e+02	6.8212e-13	-1.3284e+03
728	131	-5.6843e-14	-6.3996e+01	0.0000e+00	5.4414e+01	1.8190e-12	-1.4703e+04
	139	5.6843e-14	6.3996e+01	0.0000e+00	-5.4414e+01	-3.6380e-12	2.3017e+03
729	147	-5.6843e-14	-8.9796e+00	-1.7764e-15	-1.7475e+02	0.0000e+00	-1.3639e+03
	148	5.6843e-14	8.9796e+00	1.7764e-15	1.7475e+02	2.2737e-13	-1.4647e+03
730	146	-1.2790e-13	-1.1454e+01	1.7764e-15	-4.0553e+01	0.0000e+00	-1.8314e+03
	147	1.2790e-13	1.1454e+01	-1.7764e-15	4.0553e+01	0.0000e+00	-1.8110e+03
731	145	2.8422e-14	-1.4943e+01	0.0000e+00	-2.2363e+02	-1.1369e-13	-2.3752e+03

	146	-2.8422e-14	1.4943e+01	0.0000e+00	2.2363e+02	-1.1369e-13	-2.3767e+03
732	144	1.5632e-13	-5.3861e+00	-6.6613e-16	1.4959e+02	0.0000e+00	-8.4767e+02
	145	-1.5632e-13	5.3861e+00	6.6613e-16	-1.4959e+02	-9.9476e-14	-8.6511e+02
733	143	-2.8422e-14	-4.9527e+00	4.4409e-16	7.2323e+01	8.5265e-14	-8.0617e+02
	144	2.8422e-14	4.9527e+00	-4.4409e-16	-7.2323e+01	-2.2737e-13	-8.0345e+02
734	142	2.8422e-14	-1.0814e+01	-4.4409e-16	-1.8049e+00	1.1369e-13	-1.7446e+03
	143	-2.8422e-14	1.0814e+01	4.4409e-16	1.8049e+00	0.0000e+00	-1.6997e+03
735	141	-1.7053e-13	-1.4903e+01	1.7764e-15	-9.4240e+01	-1.1369e-13	-2.7506e+03
	142	1.7053e-13	1.4903e+01	-1.7764e-15	9.4240e+01	0.0000e+00	-1.9140e+03
736	161	1.5632e-13	9.5699e+01	0.0000e+00	-3.9953e+02	-2.2737e-13	1.6996e+04
	141	-1.5632e-13	-9.5699e+01	0.0000e+00	3.9953e+02	-2.2737e-13	1.2781e+04
737	140	-8.5265e-14	9.5432e+00	-4.4409e-16	3.3303e+01	0.0000e+00	1.5090e+03
	139	8.5265e-14	-9.5432e+00	4.4409e-16	-3.3303e+01	5.6843e-14	1.5305e+03
738	492	1.1369e-13	8.2137e+01	4.4409e-15	-2.4642e+02	1.0232e-12	6.7243e+03
	140	-1.1369e-13	-8.2137e+01	-4.4409e-15	2.4642e+02	1.4779e-12	7.2113e+03
739	137	-1.1369e-13	-2.0391e+01	8.8818e-16	-4.1505e+02	4.5475e-13	-3.2212e+03
	478	1.1369e-13	2.0391e+01	-8.8818e-16	4.1505e+02	0.0000e+00	-3.3111e+03
740	138	-2.8422e-14	-8.4838e+00	2.6645e-15	5.2519e+01	2.2737e-13	-1.3544e+03
	137	2.8422e-14	8.4838e+00	-2.6645e-15	-5.2519e+01	-1.1369e-13	-1.3434e+03
741	503	-2.8422e-14	1.8122e+00	-4.4409e-16	1.8530e+02	3.4106e-13	3.6840e+02
	138	2.8422e-14	-1.8122e+00	4.4409e-16	-1.8530e+02	2.8422e-13	2.2118e+02
742	136	1.1369e-13	-1.0448e+01	-3.5527e-15	3.5394e+03	2.2737e-13	-1.3455e+03
	479	-1.1369e-13	1.0448e+01	3.5527e-15	-3.5394e+03	2.2737e-13	-2.0016e+03
743	135	0.0000e+00	5.0234e+00	-2.6645e-15	3.5597e+02	-1.1369e-13	1.2089e+03
	136	0.0000e+00	-5.0234e+00	2.6645e-15	-3.5597e+02	-1.1369e-13	3.8851e+02
744	134	0.0000e+00	-2.8819e+00	8.8818e-16	2.7486e+01	0.0000e+00	-1.4266e+03
	135	0.0000e+00	2.8819e+00	-8.8818e-16	-2.7486e+01	-1.1369e-13	5.1022e+02
745	133	-1.1369e-13	-1.3099e+01	2.2204e-16	1.3954e+03	-1.9895e-13	-1.6588e+03
	134	1.1369e-13	1.3099e+01	-2.2204e-16	-1.3954e+03	-1.9895e-13	-2.5067e+03
746	132	-5.6843e-14	-1.5233e+01	-4.4409e-16	-8.9371e+02	1.2790e-13	-2.7549e+03
	133	5.6843e-14	1.5233e+01	4.4409e-16	8.9371e+02	-2.2737e-13	-2.1957e+03
747	131	1.1369e-13	-1.6162e+01	4.4409e-16	-1.2637e+02	3.4106e-13	-2.4184e+03
	132	-1.1369e-13	1.6162e+01	-4.4409e-16	1.2637e+02	4.5475e-13	-2.8988e+03
748	130	1.7053e-13	-1.6332e+01	0.0000e+00	-1.7009e+02	-2.2737e-13	-2.9192e+03
	131	-1.7053e-13	1.6332e+01	0.0000e+00	1.7009e+02	-2.2737e-13	-2.0214e+03
749	488	-5.6843e-14	7.9074e+01	-1.7764e-15	-4.6292e+03	0.0000e+00	1.5417e+04
	130	5.6843e-14	-7.9074e+01	1.7764e-15	4.6292e+03	0.0000e+00	9.2037e+03
750	156	-5.6843e-14	-4.6575e+00	-1.7764e-15	4.9558e+02	0.0000e+00	-7.5165e+02
	474	5.6843e-14	4.6575e+00	1.7764e-15	-4.9558e+02	-2.2737e-13	-7.4039e+02
751	155	8.5265e-14	-7.0044e+00	2.6645e-15	3.3934e+01	3.4106e-13	-1.1085e+03
	156	-8.5265e-14	7.0044e+00	-2.6645e-15	-3.3934e+01	3.4106e-13	-1.1189e+03
752	154	1.4211e-14	-7.4694e+00	-4.4409e-16	-1.8491e+01	-2.2737e-13	-1.1972e+03
	155	-1.4211e-14	7.4694e+00	4.4409e-16	1.8491e+01	1.7053e-13	-1.1781e+03
753	153	7.1054e-14	-7.6465e+00	-2.2204e-16	-6.7729e+00	2.8422e-14	-1.2121e+03
	154	-7.1054e-14	7.6465e+00	2.2204e-16	6.7729e+00	7.1054e-14	-1.2195e+03
754	151	-8.5265e-14	-7.3817e+00	-2.2204e-16	4.5312e+00	4.2633e-14	-1.1670e+03
	153	8.5265e-14	7.3817e+00	2.2204e-16	-4.5312e+00	1.7053e-13	-1.2320e+03
755	195	4.2633e-14	-8.4780e+00	-8.8818e-16	7.5126e+01	1.1369e-13	-1.3843e+03
	151	-4.2633e-14	8.4780e+00	8.8818e-16	-7.5126e+01	2.2737e-13	-1.3159e+03
756	194	-1.8474e-13	-1.9204e+01	0.0000e+00	-1.6069e+02	3.4106e-13	-3.6521e+03

	195	1.8474e-13	1.9204e+01	0.0000e+00	1.6069e+02	3.4106e-13	-2.3587e+03
757	482	8.5265e-14	9.2757e+01	1.7764e-15	-1.8130e+02	2.2737e-13	1.6777e+04
	194	-8.5265e-14	-9.2757e+01	-1.7764e-15	1.8130e+02	2.2737e-13	1.2104e+04
758	160	1.1369e-13	-5.6671e+00	-3.5527e-15	-2.0582e+03	0.0000e+00	-8.5308e+02
	475	-1.1369e-13	5.6671e+00	3.5527e-15	2.0582e+03	-2.2737e-13	-9.6239e+02
759	159	5.6843e-14	-5.8774e+00	0.0000e+00	-1.0398e+02	0.0000e+00	-8.8599e+02
	160	-5.6843e-14	5.8774e+00	0.0000e+00	1.0398e+02	-2.2737e-13	-9.8303e+02
760	158	-1.1369e-13	-6.0282e+00	-4.4409e-16	-1.0656e+02	1.7053e-13	-1.0621e+03
	159	1.1369e-13	6.0282e+00	4.4409e-16	1.0656e+02	2.2737e-13	-8.5491e+02
761	157	-5.6843e-14	-8.3288e+00	-7.7716e-16	-3.6836e+00	8.5265e-14	-1.2786e+03
	158	5.6843e-14	8.3288e+00	7.7716e-16	3.6836e+00	4.2633e-14	-1.3700e+03
762	152	1.1369e-13	-7.8333e+00	-4.4409e-16	8.2256e+01	2.8422e-14	-1.3197e+03
	157	-1.1369e-13	7.8333e+00	4.4409e-16	-8.2256e+01	-1.1369e-13	-1.3084e+03
763	150	-5.6843e-14	-1.0226e+01	0.0000e+00	2.7555e+01	-1.1369e-13	-1.5934e+03
	152	5.6843e-14	1.0226e+01	0.0000e+00	-2.7555e+01	0.0000e+00	-1.5563e+03
764	149	0.0000e+00	-1.4073e+01	0.0000e+00	1.7287e+02	2.2737e-13	-2.7514e+03
	150	0.0000e+00	1.4073e+01	0.0000e+00	-1.7287e+02	0.0000e+00	-1.6536e+03
765	483	-5.6843e-14	1.9462e+02	1.7764e-15	1.4525e+03	2.2737e-13	3.8461e+04
	149	5.6843e-14	-1.9462e+02	-1.7764e-15	-1.4525e+03	2.2737e-13	2.2137e+04
806	352	4.6703e+01	-1.2833e+00	-1.8900e+01	2.5631e+00	2.9559e+03	-1.3584e+02
	468	-4.6703e+01	1.2833e+00	1.8900e+01	-2.5631e+00	3.0920e+03	-2.7481e+02
807	334	1.4060e+01	-4.5422e+00	6.2532e+00	1.7847e+00	-9.2033e+02	-7.1746e+02
	467	-1.4060e+01	4.5422e+00	-6.2532e+00	-1.7847e+00	-1.0807e+03	-7.3606e+02
808	348	-2.5822e+01	-3.5668e+00	-5.0198e+00	2.5631e+00	7.5625e+02	-4.9877e+02
	461	2.5822e+01	3.5668e+00	5.0198e+00	-2.5631e+00	8.5009e+02	-6.4259e+02
809	349	2.2161e+01	-4.4571e+00	-8.8177e+00	1.7847e+00	1.2836e+03	-6.6385e+02
	459	-2.2161e+01	4.4571e+00	8.8177e+00	-1.7847e+00	1.5381e+03	-7.6243e+02
810	339	1.2211e+01	-1.1554e+01	1.0947e+01	1.7847e+00	-1.6525e+03	-1.8000e+03
	458	-1.2211e+01	1.1554e+01	-1.0947e+01	-1.7847e+00	-1.8507e+03	-1.8973e+03
811	347	6.2788e+01	3.9770e+01	9.1229e+00	2.5631e+00	-1.3123e+03	6.1405e+03
	456	-6.2788e+01	-3.9770e+01	-9.1229e+00	-2.5631e+00	-1.6070e+03	6.5858e+03
812	350	-7.3991e+01	2.7382e+00	-1.1314e+01	2.5631e+00	1.8018e+03	4.0702e+02
	453	7.3991e+01	-2.7382e+00	1.1314e+01	-2.5631e+00	1.8188e+03	4.6919e+02
813	338	-4.8871e+01	-1.4898e+01	-8.3865e+00	2.5631e+00	1.3116e+03	-2.1006e+03
	452	4.8871e+01	1.4898e+01	8.3865e+00	-2.5631e+00	1.3720e+03	-2.6668e+03
814	378	1.5761e+01	-1.3361e+01	5.0324e+00	2.5631e+00	-7.2683e+02	-2.0207e+03
	449	-1.5761e+01	1.3361e+01	-5.0324e+00	-2.5631e+00	-8.8353e+02	-2.2548e+03
815	354	-2.4557e+00	-1.1844e+01	-2.4592e+00	2.5631e+00	3.7304e+02	-1.7301e+03
	448	2.4557e+00	1.1844e+01	2.4592e+00	-2.5631e+00	4.1390e+02	-2.0601e+03
816	384	1.0542e+01	-1.0809e+01	7.8920e+00	2.5631e+00	-1.2039e+03	-1.5970e+03
	447	-1.0542e+01	1.0809e+01	-7.8920e+00	-2.5631e+00	-1.3215e+03	-1.8618e+03
817	362	-8.7716e+01	5.0587e+01	1.6097e+00	2.5631e+00	-2.1338e+02	7.6492e+03
	445	8.7716e+01	-5.0587e+01	-1.6097e+00	-2.5631e+00	-3.0173e+02	8.5387e+03
818	366	1.2550e+01	-1.8797e+00	-2.6675e+00	1.7847e+00	2.9980e+02	-2.9879e+02
	444	-1.2550e+01	1.8797e+00	2.6675e+00	-1.7847e+00	5.5379e+02	-3.0271e+02
819	370	-4.9144e+00	-6.2681e+00	-1.9221e+00	1.7847e+00	2.9418e+02	-9.4806e+02
	443	4.9144e+00	6.2681e+00	1.9221e+00	-1.7847e+00	3.2090e+02	-1.0577e+03
820	363	1.3577e+01	-6.8652e+00	7.7260e+00	2.1719e+00	-1.1804e+03	-1.0347e+03
	442	-1.3577e+01	6.8652e+00	-7.7260e+00	-2.1719e+00	-1.2920e+03	-1.1621e+03
821	367	1.4609e+01	-6.6954e+00	-7.4514e+00	1.7847e+00	1.0316e+03	-1.0022e+03

	441	-1.4609e+01	6.6954e+00	7.4514e+00	-1.7847e+00	1.3528e+03	-1.1403e+03
822	361	5.3849e+00	-6.6827e+00	1.0482e-01	2.5631e+00	-3.9047e+01	-9.4406e+02
	440	-5.3849e+00	6.6827e+00	-1.0482e-01	-2.5631e+00	5.5037e+00	-1.1944e+03
823	355	4.0623e+01	-7.8118e-01	-1.1071e+01	1.7847e+00	1.7345e+03	-1.2887e+02
	439	-4.0623e+01	7.8118e-01	1.1071e+01	-1.7847e+00	1.8083e+03	-1.2111e+02
824	371	-2.9081e+00	-7.8453e+00	-1.8237e+00	1.7847e+00	2.7723e+02	-1.1811e+03
	438	2.9081e+00	7.8453e+00	1.8237e+00	-1.7847e+00	3.0634e+02	-1.3293e+03
825	376	5.2686e+00	-6.7679e+00	-3.0726e-01	2.5631e+00	2.2965e+01	-9.5183e+02
	436	-5.2686e+00	6.7679e+00	3.0726e-01	-2.5631e+00	7.5359e+01	-1.2139e+03
826	382	1.1321e+01	-2.3477e+01	6.4663e+00	2.5631e+00	-9.0443e+02	-3.5420e+03
	435	-1.1321e+01	2.3477e+01	-6.4663e+00	-2.5631e+00	-1.1648e+03	-3.9705e+03
827	385	-3.4388e+00	-8.2667e+00	-9.8355e-01	2.5631e+00	1.3901e+02	-1.1425e+03
	434	3.4388e+00	8.2667e+00	9.8355e-01	-2.5631e+00	1.7572e+02	-1.5028e+03
828	386	-7.9186e+01	4.3061e+01	-4.7461e+00	2.5631e+00	6.8727e+02	6.1607e+03
	433	7.9186e+01	-4.3061e+01	4.7461e+00	-2.5631e+00	8.3150e+02	7.6189e+03
829	353	-4.4598e+01	3.4310e+01	-7.0265e-01	2.5631e+00	7.6377e+01	4.8622e+03
	432	4.4598e+01	-3.4310e+01	7.0265e-01	-2.5631e+00	1.4847e+02	6.1171e+03
830	373	1.2873e+01	-6.9846e+00	2.2438e+00	2.5631e+00	-4.3084e+02	-9.7608e+02
	431	-1.2873e+01	6.9846e+00	-2.2438e+00	-2.5631e+00	-2.8718e+02	-1.2590e+03
831	364	7.7873e+00	-1.5830e+01	6.0090e+00	2.5631e+00	-8.4126e+02	-2.4153e+03
	429	-7.7873e+00	1.5830e+01	-6.0090e+00	-2.5631e+00	-1.0816e+03	-2.6502e+03
832	356	-3.1286e+01	-1.0613e+01	-4.4606e+00	2.5631e+00	5.6723e+02	-1.4724e+03
	424	3.1286e+01	1.0613e+01	4.4606e+00	-2.5631e+00	8.6015e+02	-1.9239e+03
833	368	2.2909e+01	-9.6088e+00	-1.0646e+01	1.7847e+00	1.6091e+03	-1.4152e+03
	423	-2.2909e+01	9.6088e+00	1.0646e+01	-1.7847e+00	1.7976e+03	-1.6596e+03
834	375	7.5667e+00	-8.0587e+00	-7.9461e-01	2.5631e+00	1.0275e+02	-1.1211e+03
	422	-7.5667e+00	8.0587e+00	7.9461e-01	-2.5631e+00	1.5152e+02	-1.4577e+03
835	381	4.7543e+00	-6.0080e+00	-6.2982e-01	2.5631e+00	8.4811e+01	-8.4305e+02
	420	-4.7543e+00	6.0080e+00	6.2982e-01	-2.5631e+00	1.1673e+02	-1.0795e+03
836	380	-5.6353e+00	-7.2904e+00	-1.4397e+00	1.7847e+00	2.2328e+02	-1.0948e+03
	419	5.6353e+00	7.2904e+00	1.4397e+00	-1.7847e+00	2.3743e+02	-1.2381e+03
837	383	-8.2980e+00	-6.4754e+00	-1.8047e+00	1.7847e+00	2.6715e+02	-9.8191e+02
	417	8.2980e+00	6.4754e+00	1.8047e+00	-1.7847e+00	3.1034e+02	-1.0902e+03
838	323	-1.7114e+02	3.6548e+01	-3.4768e+00	4.7008e+00	5.4932e+02	6.1597e+03
	386	1.7114e+02	-3.6548e+01	3.4768e+00	-4.7008e+00	5.6326e+02	5.5355e+03
839	329	-1.5482e+01	-5.8122e+00	-3.3260e-02	4.7008e+00	-3.4880e+01	-1.0208e+03
	385	1.5482e+01	5.8122e+00	3.3260e-02	-4.7008e+00	4.5523e+01	-8.3909e+02
840	333	1.1901e+01	-9.4905e+00	7.0181e+00	4.7008e+00	-1.1409e+03	-1.6049e+03
	384	-1.1901e+01	9.4905e+00	-7.0181e+00	-4.7008e+00	-1.1049e+03	-1.4321e+03
841	331	-1.2342e+01	-5.1842e+00	-5.7470e-01	3.2733e+00	4.8885e+01	-8.3742e+02
	383	1.2342e+01	5.1842e+00	5.7470e-01	-3.2733e+00	1.3502e+02	-8.2152e+02
842	325	2.1769e+01	-1.9487e+01	4.6703e+00	4.7008e+00	-7.7352e+02	-3.1353e+03
	382	-2.1769e+01	1.9487e+01	-4.6703e+00	-4.7008e+00	-7.2099e+02	-3.1005e+03
843	318	1.1271e+01	-3.5750e+00	-7.0789e-01	4.7008e+00	1.4280e+02	-5.9673e+02
	381	-1.1271e+01	3.5750e+00	7.0789e-01	-4.7008e+00	8.3728e+01	-5.4728e+02
844	317	-1.2087e+01	-5.8047e+00	-5.2189e-01	3.2733e+00	4.8050e+01	-9.4342e+02
	380	1.2087e+01	5.8047e+00	5.2189e-01	-3.2733e+00	1.1895e+02	-9.1410e+02
845	332	3.4940e+01	-1.0996e+01	3.9154e+00	4.7008e+00	-6.4758e+02	-1.7712e+03
	378	-3.4940e+01	1.0996e+01	-3.9154e+00	-4.7008e+00	-6.0536e+02	-1.7475e+03
846	322	1.2978e+01	-4.1634e+00	-3.7251e-01	4.7008e+00	9.5466e+01	-6.9398e+02

	376	-1.2978e+01	4.1634e+00	3.7251e-01	-4.7008e+00	2.3739e+01	-6.3829e+02
847	328	1.7387e+01	-5.1800e+00	-9.5470e-01	4.7008e+00	1.8227e+02	-8.7842e+02
	375	-1.7387e+01	5.1800e+00	9.5470e-01	-4.7008e+00	1.2324e+02	-7.7918e+02
848	327	2.2945e+01	-4.2017e+00	3.0429e+00	4.7008e+00	-4.5565e+02	-7.0046e+02
	373	-2.2945e+01	4.2017e+00	-3.0429e+00	-4.7008e+00	-5.1808e+02	-6.4407e+02
849	319	-6.9656e+00	-6.2517e+00	-6.7458e-01	3.2733e+00	5.9663e+01	-1.0114e+03
	371	6.9656e+00	6.2517e+00	6.7458e-01	-3.2733e+00	1.5620e+02	-9.8911e+02
850	324	-1.1718e+01	-5.0271e+00	-8.0139e-01	3.2733e+00	8.5440e+01	-8.1574e+02
	370	1.1718e+01	5.0271e+00	8.0139e-01	-3.2733e+00	1.7101e+02	-7.9294e+02
851	302	6.0614e+01	-7.2045e+00	-1.0997e+01	3.2733e+00	1.8701e+03	-1.1462e+03
	368	-6.0614e+01	7.2045e+00	1.0997e+01	-3.2733e+00	1.6490e+03	-1.1593e+03
852	307	2.8866e+01	-5.4298e+00	-6.0350e+00	3.2733e+00	1.0565e+03	-8.7211e+02
	367	-2.8866e+01	5.4298e+00	6.0350e+00	-3.2733e+00	8.7465e+02	-8.6542e+02
853	314	2.6780e+01	-1.8978e+00	-3.9157e+00	3.2733e+00	8.2124e+02	-3.1091e+02
	366	-2.6780e+01	1.8978e+00	3.9157e+00	-3.2733e+00	4.3179e+02	-2.9639e+02
854	298	1.7946e+01	-1.3517e+01	4.3867e+00	4.7008e+00	-7.2438e+02	-2.1780e+03
	364	-1.7946e+01	1.3517e+01	-4.3867e+00	-4.7008e+00	-6.7937e+02	-2.1475e+03
855	309	3.1230e+01	-5.5121e+00	7.0907e+00	3.9834e+00	-1.1445e+03	-8.9072e+02
	363	-3.1230e+01	5.5121e+00	-7.0907e+00	-3.9834e+00	-1.1246e+03	-8.7314e+02
856	306	-2.0262e+02	4.5212e+01	9.9259e-01	4.7008e+00	-1.7935e+02	7.3468e+03
	362	2.0262e+02	-4.5212e+01	-9.9259e-01	-4.7008e+00	-1.3828e+02	7.1210e+03
857	315	1.2957e+01	-4.1382e+00	-1.0657e-01	4.7008e+00	5.0531e+01	-6.8748e+02
	361	-1.2957e+01	4.1382e+00	1.0657e-01	-4.7008e+00	-1.6428e+01	-6.3674e+02
858	311	-6.3709e+01	-6.8877e+00	-1.7187e+00	4.7008e+00	2.8146e+02	-1.1313e+03
	356	6.3709e+01	6.8877e+00	1.7187e+00	-4.7008e+00	2.6853e+02	-1.0728e+03
859	303	1.0015e+02	-5.6647e-01	-1.1643e+01	3.2733e+00	1.9333e+03	-7.9172e+01
	355	-1.0015e+02	5.6647e-01	1.1643e+01	-3.2733e+00	1.7925e+03	-1.0210e+02
860	310	-5.8656e+00	-8.5292e+00	-9.7737e-01	4.7008e+00	9.2413e+01	-1.3917e+03
	354	5.8656e+00	8.5292e+00	9.7737e-01	-4.7008e+00	2.2034e+02	-1.3376e+03
861	313	-9.3953e+01	2.8698e+01	-1.5862e+00	4.7008e+00	3.2800e+02	4.8939e+03
	353	9.3953e+01	-2.8698e+01	1.5862e+00	-4.7008e+00	1.7959e+02	4.2895e+03
862	308	1.1300e+02	-9.7439e-01	-1.9879e+01	4.7008e+00	3.2950e+03	-2.1635e+02
	352	-1.1300e+02	9.7439e-01	1.9879e+01	-4.7008e+00	3.0661e+03	-9.5457e+01
863	301	-1.7905e+02	2.3277e+00	-1.2028e+01	4.7008e+00	1.9651e+03	3.6652e+02
	350	1.7905e+02	-2.3277e+00	1.2028e+01	-4.7008e+00	1.8840e+03	3.7834e+02
864	300	5.0541e+01	-3.6157e+00	-8.1395e+00	3.2733e+00	1.3975e+03	-5.8553e+02
	349	-5.0541e+01	3.6157e+00	8.1395e+00	-3.2733e+00	1.2071e+03	-5.7148e+02
865	312	-6.0657e+01	-2.1352e+00	-3.8744e+00	4.7008e+00	6.1056e+02	-3.4655e+02
	348	6.0657e+01	2.1352e+00	3.8744e+00	-4.7008e+00	6.2925e+02	-3.3672e+02
866	316	1.5793e+02	3.5942e+01	7.0716e+00	4.7008e+00	-1.1994e+03	5.7548e+03
	347	-1.5793e+02	-3.5942e+01	-7.0716e+00	-4.7008e+00	-1.0635e+03	5.7467e+03
867	304	2.3384e+01	-1.0425e+01	9.5268e+00	3.2733e+00	-1.5437e+03	-1.6687e+03
	339	-2.3384e+01	1.0425e+01	-9.5268e+00	-3.2733e+00	-1.5049e+03	-1.6673e+03
868	305	-1.1964e+02	-1.0633e+01	-7.7841e+00	4.7008e+00	1.2393e+03	-1.7575e+03
	338	1.1964e+02	1.0633e+01	7.7841e+00	-4.7008e+00	1.2517e+03	-1.6452e+03
869	299	3.1396e+01	-4.1382e+00	5.1219e+00	3.2733e+00	-8.3832e+02	-6.6358e+02
	334	-3.1396e+01	4.1382e+00	-5.1219e+00	-3.2733e+00	-8.0069e+02	-6.6064e+02
870	265	2.5219e+01	-1.3272e+01	8.6955e+00	8.6548e+00	-1.4846e+03	-2.2937e+03
	333	-2.5219e+01	1.3272e+01	-8.6955e+00	-8.6548e+00	-1.2980e+03	-1.9533e+03
871	264	5.2808e+01	-1.1871e+01	4.3859e+00	8.6548e+00	-7.2027e+02	-1.9801e+03

	332	-5.2808e+01	1.1871e+01	-4.3859e+00	-8.6548e+00	-6.8322e+02	-1.8188e+03
872	238	-1.8119e+01	-5.7288e+00	-5.7306e+00	6.0265e+00	1.2391e+03	-9.8066e+02
	331	1.8119e+01	5.7288e+00	5.7306e+00	-6.0265e+00	5.9466e+02	-8.5256e+02
873	234	-2.2310e+01	-8.3681e+00	-5.0146e+00	8.6548e+00	1.0938e+03	-1.4741e+03
	329	2.2310e+01	8.3681e+00	5.0146e+00	-8.6548e+00	5.1082e+02	-1.2037e+03
874	242	2.9067e+01	-6.4940e+00	4.3386e-01	8.6548e+00	-1.8857e+02	-1.1353e+03
	328	-2.9067e+01	6.4940e+00	-4.3386e-01	-8.6548e+00	4.9736e+01	-9.4275e+02
875	240	3.4902e+01	-6.1315e+00	4.1358e+00	8.6548e+00	-7.5447e+02	-1.1335e+03
	327	-3.4902e+01	6.1315e+00	-4.1358e+00	-8.6548e+00	-5.6898e+02	-8.2855e+02
876	233	3.2341e+01	-2.0864e+01	4.9177e+00	8.6548e+00	-7.7011e+02	-3.4416e+03
	325	-3.2341e+01	2.0864e+01	-4.9177e+00	-8.6548e+00	-8.0355e+02	-3.2348e+03
877	244	-1.9603e+01	-5.2064e+00	-5.7309e+00	6.0265e+00	1.2313e+03	-8.7341e+02
	324	1.9603e+01	5.2064e+00	5.7309e+00	-6.0265e+00	6.0257e+02	-7.9265e+02
878	235	-2.8353e+02	3.2077e+01	-7.8282e+00	8.6548e+00	1.4706e+03	4.4862e+03
	323	2.8353e+02	-3.2077e+01	7.8282e+00	-8.6548e+00	1.0344e+03	5.7786e+03
879	245	2.1888e+01	-5.9289e+00	1.1967e+00	8.6548e+00	-3.0887e+02	-1.0922e+03
	322	-2.1888e+01	5.9289e+00	-1.1967e+00	-8.6548e+00	-7.4075e+01	-8.0506e+02
880	239	-1.2402e+01	-6.6683e+00	-5.8160e+00	6.0265e+00	1.2525e+03	-1.1207e+03
	319	1.2402e+01	6.6683e+00	5.8160e+00	-6.0265e+00	6.0866e+02	-1.0132e+03
881	241	1.8935e+01	-5.4128e+00	6.6040e-01	8.6548e+00	-1.9985e+02	-1.0168e+03
	318	-1.8935e+01	5.4128e+00	-6.6040e-01	-8.6548e+00	-1.1475e+01	-7.1529e+02
882	236	-2.0010e+01	-6.2991e+00	-4.8360e+00	6.0265e+00	1.0520e+03	-1.0624e+03
	317	2.0010e+01	6.2991e+00	4.8360e+00	-6.0265e+00	4.9548e+02	-9.5330e+02
883	243	2.6245e+02	4.5961e+01	3.6133e+00	8.6548e+00	-4.0276e+02	7.8800e+03
	316	-2.6245e+02	-4.5961e+01	-3.6133e+00	-8.6548e+00	-7.5351e+02	6.8276e+03
884	246	2.1757e+01	-6.0133e+00	1.4785e+00	8.6548e+00	-3.6431e+02	-1.1143e+03
	315	-2.1757e+01	6.0133e+00	-1.4785e+00	-8.6548e+00	-1.0881e+02	-8.0991e+02
885	251	3.9256e+01	-2.4502e+00	7.6275e+00	6.0265e+00	-2.0501e+03	-4.1848e+02
	314	-3.9256e+01	2.4502e+00	-7.6275e+00	-6.0265e+00	-3.9068e+02	-3.6559e+02
886	253	-1.6226e+02	1.9747e+01	7.3354e+00	8.6548e+00	-1.7595e+03	2.3459e+03
	313	1.6226e+02	-1.9747e+01	-7.3354e+00	-8.6548e+00	-5.8780e+02	3.9733e+03
887	261	-9.5073e+01	-3.1789e+00	-6.6091e+00	8.6548e+00	1.2197e+03	-5.7882e+02
	312	9.5073e+01	3.1789e+00	6.6091e+00	-8.6548e+00	8.9526e+02	-4.3844e+02
888	257	-9.5072e+01	-9.3722e+00	-4.2467e+00	8.6548e+00	8.2054e+02	-1.6267e+03
	311	9.5072e+01	9.3722e+00	4.2467e+00	-8.6548e+00	5.3841e+02	-1.3724e+03
889	247	-1.1494e+01	-1.0200e+01	-7.4132e+00	8.6548e+00	1.5863e+03	-1.7810e+03
	310	1.1494e+01	1.0200e+01	7.4132e+00	-8.6548e+00	7.8587e+02	-1.4830e+03
890	248	5.1214e+01	-6.7977e+00	7.4880e+00	7.3339e+00	-1.1956e+03	-1.1821e+03
	309	-5.1214e+01	6.7977e+00	-7.4880e+00	-7.3339e+00	-1.2006e+03	-9.9319e+02
891	255	1.9728e+02	-2.7838e+00	-2.0406e+01	8.6548e+00	3.1591e+03	-4.9325e+02
	308	-1.9728e+02	2.7838e+00	2.0406e+01	-8.6548e+00	3.3708e+03	-3.9755e+02
892	256	4.1232e+01	-5.8905e+00	-1.3218e+00	6.0265e+00	-1.2824e+02	-9.6777e+02
	307	-4.1232e+01	5.8905e+00	1.3218e+00	-6.0265e+00	5.5122e+02	-9.1718e+02
893	258	-3.3518e+02	4.4546e+01	3.5132e-01	8.6548e+00	-2.6565e+01	6.9337e+03
	306	3.3518e+02	-4.4546e+01	-3.5132e-01	-8.6548e+00	-8.5855e+01	7.3210e+03
894	260	-1.9384e+02	-1.4505e+01	-1.1315e+01	8.6548e+00	1.9949e+03	-2.4995e+03
	305	1.9384e+02	1.4505e+01	1.1315e+01	-8.6548e+00	1.6260e+03	-2.1422e+03
895	262	3.5433e+01	-1.0544e+01	9.7626e+00	6.0265e+00	-1.5571e+03	-1.7149e+03
	304	-3.5433e+01	1.0544e+01	-9.7626e+00	-6.0265e+00	-1.5670e+03	-1.6591e+03
896	250	1.6956e+02	-2.8157e+00	-1.1290e+01	6.0265e+00	1.7152e+03	-5.8958e+02

	303	-1.6956e+02	2.8157e+00	1.1290e+01	-6.0265e+00	1.8976e+03	-3.1145e+02
897	254	9.8756e+01	-8.7691e+00	-6.0867e+00	6.0265e+00	5.8468e+02	-1.4993e+03
	302	-9.8756e+01	8.7691e+00	6.0867e+00	-6.0265e+00	1.3631e+03	-1.3068e+03
898	259	-2.9728e+02	2.7408e+00	-1.6870e+01	8.6548e+00	2.9024e+03	4.5159e+02
	301	2.9728e+02	-2.7408e+00	1.6870e+01	-8.6548e+00	2.4961e+03	4.2547e+02
899	252	7.8329e+01	-2.1174e+00	-3.2091e+00	6.0265e+00	1.5288e+02	-2.5199e+02
	300	-7.8329e+01	2.1174e+00	3.2091e+00	-6.0265e+00	8.7404e+02	-4.2557e+02
900	263	4.9134e+01	-4.0483e+00	5.3372e+00	6.0265e+00	-8.5322e+02	-6.6335e+02
	299	-4.9134e+01	4.0483e+00	-5.3372e+00	-6.0265e+00	-8.5469e+02	-6.3210e+02
901	249	2.7354e+01	-1.4422e+01	4.6956e+00	8.6548e+00	-7.3576e+02	-2.3864e+03
	298	-2.7354e+01	1.4422e+01	-4.6956e+00	-8.6548e+00	-7.6684e+02	-2.2285e+03
902	142	5.0472e+01	-1.1182e+00	7.3992e+00	1.7908e+01	-1.0974e+03	3.6015e+02
	265	-5.0472e+01	1.1182e+00	-7.3992e+00	-1.7908e+01	-1.3369e+03	-7.2803e+02
903	143	6.9988e+01	-7.4306e-01	5.0399e+00	1.7908e+01	-8.6483e+02	2.7953e+02
	264	-6.9988e+01	7.4306e-01	-5.0399e+00	-1.7908e+01	-7.9329e+02	-5.2400e+02
904	144	7.0139e+01	8.1902e-01	5.8247e+00	1.2470e+01	-9.9426e+02	2.6809e+02
	263	-7.0139e+01	-8.1902e-01	-5.8247e+00	-1.2470e+01	-9.2205e+02	1.3649e+00
905	145	5.6295e+01	-2.1535e+00	9.7298e+00	1.2470e+01	-1.6140e+03	-2.8144e+01
	262	-5.6295e+01	2.1535e+00	-9.7298e+00	-1.2470e+01	-1.5871e+03	-6.8036e+02
906	138	-1.4433e+02	2.0463e+00	-4.4752e-01	1.7908e+01	-3.7259e+02	4.7358e+02
	261	1.4433e+02	-2.0463e+00	4.4752e-01	-1.7908e+01	5.1982e+02	1.9966e+02
907	140	-2.9491e+02	-7.3825e+00	-5.1050e+00	1.7908e+01	3.4224e+02	-8.9565e+02
	260	2.9491e+02	7.3825e+00	5.1050e+00	-1.7908e+01	1.3373e+03	-1.5332e+03
908	139	-4.6921e+02	2.9113e+00	-8.6888e+00	1.7908e+01	8.0625e+02	2.5989e+02
	259	4.6921e+02	-2.9113e+00	8.6888e+00	-1.7908e+01	2.0523e+03	6.9793e+02
909	141	-4.5607e+02	4.5218e+01	3.2409e+00	1.7908e+01	-7.5569e+02	7.5119e+03
	258	4.5607e+02	-4.5218e+01	-3.2409e+00	-1.7908e+01	-3.1057e+02	7.3649e+03
910	137	-1.3997e+02	-1.6250e+00	1.8954e+00	1.7908e+01	-7.2983e+02	5.2729e+01
	257	1.3997e+02	1.6250e+00	-1.8954e+00	-1.7908e+01	1.0624e+02	-5.8734e+02
911	136	6.9422e+01	-2.2018e+00	-3.8822e+01	1.2470e+01	8.8580e+03	-2.4874e+02
	256	-6.9422e+01	2.2018e+00	3.8822e+01	-1.2470e+01	3.9145e+03	-4.7566e+02
912	131	3.2597e+02	7.7807e+00	-7.1568e+01	1.7908e+01	1.4779e+04	1.7282e+03
	255	-3.2597e+02	-7.7807e+00	7.1568e+01	-1.7908e+01	8.7665e+03	8.3168e+02
913	132	1.5891e+02	5.9957e+00	-5.0831e+01	1.2470e+01	1.1257e+04	1.7892e+03
	254	-1.5891e+02	-5.9957e+00	5.0831e+01	-1.2470e+01	5.4661e+03	1.8342e+02
914	130	-1.6681e+02	3.1844e+01	-5.2482e+01	1.7908e+01	1.2496e+04	6.5869e+03
	253	1.6681e+02	-3.1844e+01	5.2482e+01	-1.7908e+01	4.7708e+03	3.8899e+03
915	135	1.1687e+02	-9.3851e+00	-4.3537e+01	1.2470e+01	9.8068e+03	-2.1503e+03
	252	-1.1687e+02	9.3851e+00	4.3537e+01	-1.2470e+01	4.5169e+03	-9.3737e+02
916	133	4.9696e+01	2.6698e+00	-4.9757e+01	1.2470e+01	1.2187e+04	6.4522e+02
	251	-4.9696e+01	-2.6698e+00	4.9757e+01	-1.2470e+01	4.1836e+03	2.3314e+02
917	134	2.8962e+02	1.1796e+01	-5.0277e+01	1.2470e+01	1.0592e+04	2.7939e+03
	250	-2.8962e+02	-1.1796e+01	5.0277e+01	-1.2470e+01	5.9495e+03	1.0870e+03
918	147	3.7672e+01	-2.0347e+00	5.7856e+00	1.7908e+01	-9.9159e+02	1.3070e+02
	249	-3.7672e+01	2.0347e+00	-5.7856e+00	-1.7908e+01	-9.1189e+02	-8.0012e+02
919	148	6.2517e+01	1.7089e+00	5.1336e+00	1.5175e+01	-6.8023e+02	6.3207e+02
	248	-6.2517e+01	-1.7089e+00	-5.1336e+00	-1.5175e+01	-1.0087e+03	-6.9854e+01
920	152	-9.7002e+00	1.1967e+00	2.7066e+01	1.7908e+01	-6.7526e+03	5.9755e+02
	247	9.7002e+00	-1.1967e+00	-2.7066e+01	-1.7908e+01	-2.1519e+03	-2.0385e+02
921	153	2.2317e+01	1.7322e+00	-5.7559e+00	1.7908e+01	1.4809e+03	5.1272e+02

	246	-2.2317e+01	-1.7322e+00	5.7559e+00	-1.7908e+01	4.1279e+02	5.7166e+01
922	155	2.2688e+01	1.5756e+00	-5.6000e+00	1.7908e+01	1.4486e+03	4.6485e+02
	245	-2.2688e+01	-1.5756e+00	5.6000e+00	-1.7908e+01	3.9382e+02	5.3535e+01
923	159	-2.0165e+01	-7.2857e-01	2.2375e+01	1.2470e+01	-5.5121e+03	-3.3006e+01
	244	2.0165e+01	7.2857e-01	-2.2375e+01	-1.2470e+01	-1.8493e+03	-2.0669e+02
924	161	3.5973e+02	4.5153e-01	2.5026e+01	1.7908e+01	-5.6602e+03	-2.9492e+03
	243	-3.5973e+02	-4.5153e-01	-2.5026e+01	-1.7908e+01	-2.5732e+03	3.0977e+03
925	151	3.0343e+01	4.3272e-01	-6.7483e+00	1.7908e+01	1.6222e+03	1.9574e+02
	242	-3.0343e+01	-4.3272e-01	6.7483e+00	-1.7908e+01	5.9805e+02	-5.3380e+01
926	156	1.9177e+01	2.0030e+00	-5.2580e+00	1.7908e+01	1.3357e+03	5.3855e+02
	241	-1.9177e+01	-2.0030e+00	5.2580e+00	-1.7908e+01	3.9416e+02	1.2045e+02
927	154	3.6612e+01	1.8475e+00	-4.5357e+00	1.7908e+01	1.3322e+03	5.4510e+02
	240	-3.6612e+01	-1.8475e+00	4.5357e+00	-1.7908e+01	1.6009e+02	6.2716e+01
928	157	-1.0061e+01	2.1608e-02	2.3061e+01	1.2470e+01	-5.6968e+03	2.2468e+02
	239	1.0061e+01	-2.1608e-02	-2.3061e+01	-1.2470e+01	-1.8903e+03	-2.1757e+02
929	158	-1.5885e+01	1.6075e+00	2.3337e+01	1.2470e+01	-5.7426e+03	5.3505e+02
	238	1.5885e+01	-1.6075e+00	-2.3337e+01	-1.2470e+01	-1.9352e+03	-6.1884e+00
930	160	-2.0431e+01	-6.2595e-02	2.2115e+01	1.2470e+01	-5.3614e+03	1.8695e+02
	236	2.0431e+01	6.2595e-02	-2.2115e+01	-1.2470e+01	-1.9143e+03	-2.0754e+02
931	149	-3.5242e+02	4.5853e+01	2.4727e+01	1.7908e+01	-6.1083e+03	8.6899e+03
	235	3.5242e+02	-4.5853e+01	-2.4727e+01	-1.7908e+01	-2.0267e+03	6.3957e+03
932	150	-2.6024e+01	3.1081e+00	2.8392e+01	1.7908e+01	-6.8253e+03	9.0861e+02
	234	2.6024e+01	-3.1081e+00	-2.8392e+01	-1.7908e+01	-2.5157e+03	1.1396e+02
933	146	4.4773e+01	-4.8244e+00	6.0554e+00	1.7908e+01	-1.0540e+03	-1.1208e+02
	233	-4.4773e+01	4.8244e+00	-6.0554e+00	-1.7908e+01	-9.3828e+02	-1.4751e+03
934	127	1.6097e+02	-2.8661e+01	-2.3396e+01	4.9884e+01	3.1413e+03	-5.9428e+03
	195	-1.6097e+02	2.8661e+01	2.3396e+01	-4.9884e+01	4.5794e+03	-3.5153e+03
935	126	5.2476e+00	3.1718e+01	-1.9781e+01	4.9884e+01	2.6691e+03	2.2705e+03
	194	-5.2476e+00	-3.1718e+01	1.9781e+01	-4.9884e+01	3.8587e+03	8.1966e+03
936	51	-3.6955e+02	-2.2430e+01	3.5253e+01	4.9884e+01	-1.4702e+03	-4.6628e+03
	160	3.6955e+02	2.2430e+01	-3.5253e+01	-4.9884e+01	-1.0163e+04	-2.7392e+03
937	50	-3.7505e+02	-2.8023e+01	3.5972e+01	4.9884e+01	-1.3924e+03	-5.4655e+03
	159	3.7505e+02	2.8023e+01	-3.5972e+01	-4.9884e+01	-1.0478e+04	-3.7820e+03
938	49	-3.7733e+02	-1.3844e+01	3.7406e+01	4.9884e+01	-1.4651e+03	-3.2510e+03
	158	3.7733e+02	1.3844e+01	-3.7406e+01	-4.9884e+01	-1.0879e+04	-1.3177e+03
939	48	-3.7630e+02	-2.2261e+01	3.5999e+01	4.9884e+01	-1.2176e+03	-4.7115e+03
	157	3.7630e+02	2.2261e+01	-3.5999e+01	-4.9884e+01	-1.0662e+04	-2.6345e+03
940	47	1.6207e+02	-1.7898e+01	-1.3975e+01	4.9884e+01	1.6568e+03	-3.5222e+03
	156	-1.6207e+02	1.7898e+01	1.3975e+01	-4.9884e+01	2.9548e+03	-2.3842e+03
941	46	1.7227e+02	-2.2185e+01	-1.6018e+01	4.9884e+01	1.9479e+03	-4.4375e+03
	155	-1.7227e+02	2.2185e+01	1.6018e+01	-4.9884e+01	3.3379e+03	-2.8836e+03
942	45	1.8762e+02	-2.0933e+01	-1.5446e+01	4.9884e+01	1.7933e+03	-4.2369e+03
	154	-1.8762e+02	2.0933e+01	1.5446e+01	-4.9884e+01	3.3038e+03	-2.6711e+03
943	44	1.7570e+02	-2.2496e+01	-1.7010e+01	4.9884e+01	2.0820e+03	-4.5554e+03
	153	-1.7570e+02	2.2496e+01	1.7010e+01	-4.9884e+01	3.5314e+03	-2.8684e+03
944	43	-3.7310e+02	-1.5040e+01	3.2947e+01	4.9884e+01	-8.8123e+02	-3.1517e+03
	152	3.7310e+02	1.5040e+01	-3.2947e+01	-4.9884e+01	-9.9913e+03	-1.8115e+03
945	42	1.8509e+02	-2.4411e+01	-2.0256e+01	4.9884e+01	2.7125e+03	-4.7073e+03
	151	-1.8509e+02	2.4411e+01	2.0256e+01	-4.9884e+01	3.9721e+03	-3.3481e+03
946	41	-3.8013e+02	-2.3009e+01	2.9868e+01	4.9884e+01	-3.5209e+02	-5.1002e+03

	150	3.8013e+02	2.3009e+01	-2.9868e+01	-4.9884e+01	-9.5044e+03	-2.4929e+03
947	40	-8.5594e+02	5.0392e+01	2.4341e+01	4.9884e+01	2.8747e+02	6.3268e+03
	149	8.5594e+02	-5.0392e+01	-2.4341e+01	-4.9884e+01	-8.3200e+03	1.0303e+04
948	39	7.4535e+01	-1.8932e+01	9.5804e+00	4.9884e+01	-1.9614e+03	-4.0771e+03
	148	-7.4535e+01	1.8932e+01	-9.5804e+00	-4.9884e+01	-1.2001e+03	-2.1704e+03
949	38	4.1952e+01	-2.6093e+01	1.4925e+01	4.9884e+01	-2.7792e+03	-5.2638e+03
	147	-4.1952e+01	2.6093e+01	-1.4925e+01	-4.9884e+01	-2.1461e+03	-3.3468e+03
950	37	4.8176e+01	-3.4602e+01	1.5944e+01	4.9884e+01	-2.9769e+03	-7.2516e+03
	146	-4.8176e+01	3.4602e+01	-1.5944e+01	-4.9884e+01	-2.2848e+03	-4.1670e+03
951	36	1.0647e+02	-2.8384e+01	2.4558e+01	4.9884e+01	-4.3909e+03	-5.8545e+03
	145	-1.0647e+02	2.8384e+01	-2.4558e+01	-4.9884e+01	-3.7133e+03	-3.5124e+03
952	35	8.8165e+01	-1.5424e+01	1.5142e+01	4.9884e+01	-2.7609e+03	-2.8833e+03
	144	-8.8165e+01	1.5424e+01	-1.5142e+01	-4.9884e+01	-2.2360e+03	-2.2068e+03
953	34	7.4148e+01	-2.2774e+01	1.1203e+01	4.9884e+01	-2.1533e+03	-4.5386e+03
	143	-7.4148e+01	2.2774e+01	-1.1203e+01	-4.9884e+01	-1.5439e+03	-2.9767e+03
954	33	5.2997e+01	-3.6137e+01	1.2587e+01	4.9884e+01	-2.5302e+03	-7.7142e+03
	142	-5.2997e+01	3.6137e+01	-1.2587e+01	-4.9884e+01	-1.6234e+03	-4.2109e+03
955	32	-5.6168e+02	7.9746e+00	1.4160e+01	4.9884e+01	-2.7165e+03	-1.2709e+03
	141	5.6168e+02	-7.9746e+00	-1.4160e+01	-4.9884e+01	-1.9562e+03	3.9026e+03
956	31	-2.8119e+02	-4.4412e+01	5.1155e+00	4.9884e+01	-9.8881e+02	-8.5362e+03
	140	2.8119e+02	4.4412e+01	-5.1155e+00	-4.9884e+01	-6.9929e+02	-6.1198e+03
957	30	-3.8469e+02	-4.3401e+01	-1.7804e+00	4.9884e+01	3.7851e+02	-8.3997e+03
	139	3.8469e+02	4.3401e+01	1.7804e+00	-4.9884e+01	2.0901e+02	-5.9225e+03
958	29	-6.2977e+01	-2.2203e+01	1.9818e+01	4.9884e+01	-3.7918e+03	-4.1321e+03
	138	6.2977e+01	2.2203e+01	-1.9818e+01	-4.9884e+01	-2.7481e+03	-3.1949e+03
959	28	-5.5483e+01	-3.6546e+01	2.4637e+01	4.9884e+01	-4.6506e+03	-7.2947e+03
	137	5.5483e+01	3.6546e+01	-2.4637e+01	-4.9884e+01	-3.4797e+03	-4.7656e+03
960	27	-1.6390e+03	-2.7485e+01	-1.2873e+02	4.9884e+01	1.8298e+04	-4.8390e+03
	136	1.6390e+03	2.7485e+01	1.2873e+02	-4.9884e+01	2.4182e+04	-4.2312e+03
961	26	-1.5952e+03	-4.8956e+01	-1.4593e+02	4.9884e+01	2.1128e+04	-6.2311e+03
	135	1.5952e+03	4.8956e+01	1.4593e+02	-4.9884e+01	2.7030e+04	-9.9243e+03
962	582	-1.5006e+03	2.6682e+01	-1.5267e+02	4.9884e+01	2.2475e+04	2.6360e+03
	134	1.5006e+03	-2.6682e+01	1.5267e+02	-4.9884e+01	2.7906e+04	6.1692e+03
963	469	-1.5312e+03	-1.9340e+01	-1.8329e+02	4.9884e+01	2.5634e+04	-4.1334e+03
	133	1.5312e+03	1.9340e+01	1.8329e+02	-4.9884e+01	3.4853e+04	-2.2488e+03
964	23	-1.6630e+03	-5.4322e+00	-1.7275e+02	4.9884e+01	2.5545e+04	-3.3983e+03
	132	1.6630e+03	5.4322e+00	1.7275e+02	-4.9884e+01	3.1463e+04	1.6057e+03
965	22	-1.4624e+03	-7.9360e+00	-1.8528e+02	4.9884e+01	2.8574e+04	-1.8924e+03
	131	1.4624e+03	7.9360e+00	1.8528e+02	-4.9884e+01	3.2567e+04	-7.2649e+02
966	21	-1.8267e+03	3.1079e+01	-1.8831e+02	4.9884e+01	2.9587e+04	3.2842e+03
	130	1.8267e+03	-3.1079e+01	1.8831e+02	-4.9884e+01	3.2556e+04	6.9718e+03
361	256	-1.7053e-13	-7.2063e+00	2.6843e+00	-1.8328e+02	-4.1926e+02	-1.1255e+03
	2	1.7053e-13	7.2063e+00	-2.6843e+00	1.8328e+02	-4.4066e+02	-1.1830e+03
362	252	1.1369e-13	-3.0834e+00	1.1485e+00	5.2078e+01	-2.4236e+02	-6.5064e+02
	256	-1.1369e-13	3.0834e+00	-1.1485e+00	-5.2078e+01	-1.2288e+02	-3.2987e+02
363	250	-5.6843e-14	-2.1792e+00	8.1173e-01	5.0892e+02	-7.9817e+01	-2.1428e+02
	252	5.6843e-14	2.1792e+00	-8.1173e-01	-5.0892e+02	-1.7831e+02	-4.7870e+02
364	251	-2.8422e-13	5.5448e+00	-2.0654e+00	-1.2952e+03	3.0366e+02	8.1521e+02
	250	2.8422e-13	-5.5448e+00	2.0654e+00	1.2952e+03	3.5313e+02	9.4802e+02
365	254	1.1369e-13	-4.8947e+00	1.8233e+00	8.3824e+02	-2.1986e+02	-5.9024e+02

	251	-1.1369e-13	4.8947e+00	-1.8233e+00	-8.3824e+02	-3.7270e+02	-1.0006e+03
366	255	-5.6843e-14	-6.0828e+00	2.2658e+00	5.9903e+02	-4.5849e+02	-1.2308e+03
	254	5.6843e-14	6.0828e+00	-2.2658e+00	-5.9903e+02	-2.8697e+02	-7.7038e+02
367	253	0.0000e+00	3.5422e+00	-1.3194e+00	-1.2264e+03	1.4884e+02	3.9956e+02
	255	0.0000e+00	-3.5422e+00	1.3194e+00	1.2264e+03	2.5030e+02	6.7194e+02
368	59	5.6843e-14	1.2140e+01	-4.5222e+00	4.6144e+02	-3.2219e+02	-8.6494e+02
	253	-5.6843e-14	-1.2140e+01	4.5222e+00	-4.6144e+02	1.7302e+03	4.6450e+03
377	54	-5.6843e-14	5.3868e+00	-2.0066e+00	3.5318e+02	3.4433e+02	9.2438e+02
	236	5.6843e-14	-5.3868e+00	2.0066e+00	-3.5318e+02	2.9848e+02	8.0128e+02
378	236	5.6843e-14	3.9192e+00	-1.4599e+00	5.4189e+01	2.1822e+02	5.8584e+02
	244	-5.6843e-14	-3.9192e+00	1.4599e+00	-5.4189e+01	2.4602e+02	6.6045e+02
379	244	-1.7053e-13	2.8033e+00	-1.0442e+00	-1.8543e+00	1.7582e+02	4.7201e+02
	238	1.7053e-13	-2.8033e+00	1.0442e+00	1.8543e+00	1.5624e+02	4.1945e+02
380	238	0.0000e+00	3.9132e+00	-1.4576e+00	-4.4333e+00	2.3953e+02	6.4303e+02
	239	0.0000e+00	-3.9132e+00	1.4576e+00	4.4333e+00	2.2400e+02	6.0135e+02
381	239	-5.6843e-14	5.1384e+00	-1.9141e+00	-4.4468e+00	3.1197e+02	8.3752e+02
	247	5.6843e-14	-5.1384e+00	1.9141e+00	4.4468e+00	3.3019e+02	8.8643e+02
382	247	0.0000e+00	7.7398e+00	-2.8831e+00	-1.5149e+02	4.3246e+02	1.1610e+03
	234	0.0000e+00	-7.7398e+00	2.8831e+00	1.5149e+02	4.5553e+02	1.2229e+03
383	234	0.0000e+00	2.2994e+00	-8.5652e-01	3.9681e+01	-3.7627e+01	-1.0101e+02
	235	0.0000e+00	-2.2994e+00	8.5652e-01	-3.9681e+01	3.0572e+02	8.2072e+02
384	235	5.6843e-14	-5.9355e+01	2.2110e+01	-4.1627e+02	-4.0409e+03	-1.0848e+04
	56	-5.6843e-14	5.9355e+01	-2.2110e+01	4.1627e+02	-2.8432e+03	-7.6327e+03
446	307	2.8422e-13	-9.9893e+00	3.7210e+00	2.4058e+02	-5.4945e+02	-1.4750e+03
	165	-2.8422e-13	9.9893e+00	-3.7210e+00	-2.4058e+02	-6.4258e+02	-1.7251e+03
447	300	-2.2737e-13	-2.5101e+00	9.3502e-01	8.2433e+01	-1.6667e+02	-4.4745e+02
	307	2.2737e-13	2.5101e+00	-9.3502e-01	-8.2433e+01	-1.3066e+02	-3.5078e+02
448	303	3.4106e-13	-4.6084e+00	1.7166e+00	1.1669e+02	-3.0780e+02	-8.2631e+02
	300	-3.4106e-13	4.6084e+00	-1.7166e+00	-1.1669e+02	-2.3808e+02	-6.3915e+02
449	314	-3.4106e-13	4.4839e+00	-1.6702e+00	-2.1993e+02	2.8277e+02	7.5913e+02
	303	3.4106e-13	-4.4839e+00	1.6702e+00	2.1993e+02	2.4837e+02	6.6676e+02
450	302	1.1369e-13	-7.9924e+00	2.9771e+00	2.1063e+02	-4.3281e+02	-1.1619e+03
	314	-1.1369e-13	7.9924e+00	-2.9771e+00	-2.1063e+02	-5.3477e+02	-1.4356e+03
451	308	-2.8422e-13	-9.0546e+00	3.3728e+00	1.7050e+02	-6.1475e+02	-1.6504e+03
	302	2.8422e-13	9.0546e+00	-3.3728e+00	-1.7050e+02	-4.9490e+02	-1.3286e+03
452	313	0.0000e+00	-3.6760e-01	1.3693e-01	-6.3865e+02	-2.2495e+02	-6.0389e+02
	308	0.0000e+00	3.6760e-01	-1.3693e-01	6.3865e+02	1.8353e+02	4.9269e+02
453	80	5.6843e-14	5.7183e+01	-2.1301e+01	-9.1418e+01	3.5514e+03	9.5339e+03
	313	-5.6843e-14	-5.7183e+01	2.1301e+01	9.1418e+01	3.0808e+03	8.2708e+03
462	125	-3.4106e-13	7.7935e+00	-2.9031e+00	1.0846e+01	5.0629e+02	1.3592e+03
	317	3.4106e-13	-7.7935e+00	2.9031e+00	-1.0846e+01	4.2371e+02	1.1375e+03
463	317	1.1369e-13	5.7163e+00	-2.1293e+00	1.6330e+00	3.2994e+02	8.8575e+02
	324	-1.1369e-13	-5.7163e+00	2.1293e+00	-1.6330e+00	3.4718e+02	9.3203e+02
464	324	5.6843e-14	4.7967e+00	-1.7867e+00	-1.3306e+01	2.8507e+02	7.6529e+02
	331	-5.6843e-14	-4.7967e+00	1.7867e+00	1.3306e+01	2.8312e+02	7.6005e+02
465	331	2.2737e-13	6.2258e+00	-2.3191e+00	-3.9390e+00	3.8033e+02	1.0210e+03
	319	-2.2737e-13	-6.2258e+00	2.3191e+00	3.9390e+00	3.5714e+02	9.5878e+02
466	319	0.0000e+00	7.3855e+00	-2.7511e+00	-2.0816e+00	4.4443e+02	1.1931e+03
	310	0.0000e+00	-7.3855e+00	2.7511e+00	2.0816e+00	4.7855e+02	1.2847e+03
467	310	1.7053e-13	1.0515e+01	-3.9168e+00	-2.0738e+01	5.9437e+02	1.5956e+03

	329	-1.7053e-13	-1.0515e+01	3.9168e+00	2.0738e+01	6.1201e+02	1.6430e+03
468	329	-2.2737e-13	6.6228e+00	-2.4670e+00	1.2651e+02	1.1542e+02	3.0984e+02
	323	2.2737e-13	-6.6228e+00	2.4670e+00	-1.2651e+02	6.5675e+02	1.7631e+03
469	323	-5.6843e-14	-8.3850e+01	3.1234e+01	-1.2817e+02	-4.6066e+03	-1.2367e+04
	75	5.6843e-14	8.3850e+01	-3.1234e+01	1.2817e+02	-5.1184e+03	-1.3741e+04
564	441	1.7053e-13	-7.2972e+00	-2.7182e+00	3.8130e+02	3.9337e+02	-1.0560e+03
	170	-1.7053e-13	7.2972e+00	2.7182e+00	-3.8130e+02	4.7741e+02	-1.2816e+03
565	459	-3.9790e-13	-9.3539e-01	-3.4843e-01	2.7640e+01	8.2146e+01	-2.2053e+02
	441	3.9790e-13	9.3539e-01	3.4843e-01	-2.7640e+01	2.8656e+01	-7.6928e+01
566	439	-2.8422e-13	-4.7449e+00	-1.7675e+00	2.1326e+01	3.2880e+02	-8.8269e+02
	459	2.8422e-13	4.7449e+00	1.7675e+00	-2.1326e+01	2.3325e+02	-6.2619e+02
567	444	-1.7053e-13	6.1315e+00	2.2840e+00	-2.6984e+02	-3.7556e+02	1.0082e+03
	439	1.7053e-13	-6.1315e+00	-2.2840e+00	2.6984e+02	-3.5074e+02	9.4160e+02
568	423	1.1369e-13	-6.4181e+00	-2.3907e+00	2.8395e+02	2.8867e+02	-7.7497e+02
	444	-1.1369e-13	6.4181e+00	2.3907e+00	-2.8395e+02	4.8832e+02	-1.3109e+03
569	468	3.4106e-13	-7.3362e+00	-2.7327e+00	1.4116e+02	5.5413e+02	-1.4876e+03
	423	-3.4106e-13	7.3362e+00	2.7327e+00	-1.4116e+02	3.4493e+02	-9.2600e+02
570	432	0.0000e+00	6.4223e-01	2.3923e-01	-6.2855e+02	2.3505e+02	-6.3102e+02
	468	0.0000e+00	-6.4223e-01	-2.3923e-01	6.2855e+02	-3.0742e+02	8.2530e+02
571	84	5.1159e-13	3.8469e+01	1.4329e+01	-4.8494e+01	-2.2691e+03	6.0916e+03
	432	-5.1159e-13	-3.8469e+01	-1.4329e+01	4.8494e+01	-2.1926e+03	5.8861e+03
580	163	0.0000e+00	5.8008e+00	2.1608e+00	7.2171e+01	-3.9297e+02	1.0550e+03
	419	0.0000e+00	-5.8008e+00	-2.1608e+00	-7.2171e+01	-2.9924e+02	8.0334e+02
581	419	2.8422e-13	3.8396e+00	1.4302e+00	2.1459e+01	-2.1375e+02	5.7382e+02
	443	-2.8422e-13	-3.8396e+00	-1.4302e+00	-2.1459e+01	-2.4107e+02	6.4717e+02
582	443	-3.9790e-13	3.0422e+00	1.1332e+00	-9.0400e-01	-1.8219e+02	4.8911e+02
	417	3.9790e-13	-3.0422e+00	-1.1332e+00	9.0400e-01	-1.7817e+02	4.7831e+02
583	417	-6.8212e-13	4.3370e+00	1.6155e+00	-6.6136e+00	-2.7469e+02	7.3744e+02
	438	6.8212e-13	-4.3370e+00	-1.6155e+00	6.6136e+00	-2.3904e+02	6.4173e+02
584	438	-5.6843e-14	5.1657e+00	1.9242e+00	4.3917e+00	-3.0843e+02	8.2800e+02
	448	5.6843e-14	-5.1657e+00	-1.9242e+00	-4.3917e+00	-3.3714e+02	9.0509e+02
585	448	2.8422e-13	8.0285e+00	2.9906e+00	-5.1811e+01	-4.4217e+02	1.1870e+03
	434	-2.8422e-13	-8.0285e+00	-2.9906e+00	5.1811e+01	-4.7894e+02	1.2858e+03
586	434	1.7053e-13	6.8191e+00	2.5401e+00	1.5082e+02	-2.8779e+01	7.7259e+01
	433	-1.7053e-13	-6.8191e+00	-2.5401e+00	-1.5082e+02	-7.6627e+02	2.0571e+03
587	433	0.0000e+00	-5.7126e+01	-2.1279e+01	-1.7315e+02	3.3300e+03	-8.9395e+03
	79	0.0000e+00	5.7126e+01	2.1279e+01	1.7315e+02	3.2956e+03	-8.8473e+03
597	441	0.0000e+00	2.0971e+01	7.8115e+00	9.3078e+00	-6.1709e+02	1.6566e+03
	424	0.0000e+00	-2.0971e+01	-7.8115e+00	-9.3078e+00	-8.9444e+02	2.4012e+03
635	367	-5.6843e-14	-9.9795e+00	3.7174e+00	1.7920e+02	-5.5396e+02	-1.4871e+03
	167	5.6843e-14	9.9795e+00	-3.7174e+00	-1.7920e+02	-6.3690e+02	-1.7098e+03
636	349	-5.6843e-14	-3.0486e+00	1.1356e+00	7.6217e+01	-1.9994e+02	-5.3675e+02
	367	5.6843e-14	3.0486e+00	-1.1356e+00	-7.6217e+01	-1.6118e+02	-4.3271e+02
637	355	-2.8422e-13	-5.3094e+00	1.9777e+00	1.5289e+02	-3.4243e+02	-9.1929e+02
	349	2.8422e-13	5.3094e+00	-1.9777e+00	-1.5289e+02	-2.8649e+02	-7.6910e+02
638	366	5.6843e-14	5.7237e+00	-2.1321e+00	-4.0102e+02	3.4923e+02	9.3753e+02
	355	-5.6843e-14	-5.7237e+00	2.1321e+00	4.0102e+02	3.2877e+02	8.8260e+02
639	368	1.1369e-13	-8.5067e+00	3.1687e+00	3.3056e+02	-4.5890e+02	-1.2320e+03
	366	-1.1369e-13	8.5067e+00	-3.1687e+00	-3.3056e+02	-5.7093e+02	-1.5327e+03
640	352	5.6843e-14	-9.9101e+00	3.6915e+00	1.9725e+02	-6.8067e+02	-1.8273e+03

	368	-5.6843e-14	9.9101e+00	-3.6915e+00	-1.9725e+02	-5.3382e+02	-1.4331e+03
641	353	-1.1369e-13	5.2551e+00	-1.9575e+00	-5.8939e+02	1.6453e+02	4.4169e+02
	352	1.1369e-13	-5.2551e+00	1.9575e+00	5.8939e+02	4.2762e+02	1.1480e+03
642	82	4.5475e-13	4.7840e+01	-1.7820e+01	-8.6665e+00	2.7330e+03	7.3371e+03
	353	-4.5475e-13	-4.7840e+01	1.7820e+01	8.6665e+00	2.8155e+03	7.5585e+03
651	129	0.0000e+00	7.9263e+00	-2.9525e+00	3.6773e+01	5.1138e+02	1.3729e+03
	380	0.0000e+00	-7.9263e+00	2.9525e+00	-3.6773e+01	4.3446e+02	1.1664e+03
652	380	-1.7053e-13	6.2138e+00	-2.3146e+00	1.2307e+01	3.6062e+02	9.6812e+02
	370	1.7053e-13	-6.2138e+00	2.3146e+00	-1.2307e+01	3.7543e+02	1.0079e+03
653	370	-1.1369e-13	5.1518e+00	-1.9190e+00	-1.2892e+01	3.0739e+02	8.2520e+02
	383	1.1369e-13	-5.1518e+00	1.9190e+00	1.2892e+01	3.0286e+02	8.1306e+02
654	383	-1.1369e-13	6.6712e+00	-2.4850e+00	3.6365e+00	4.0551e+02	1.0886e+03
	371	1.1369e-13	-6.6712e+00	2.4850e+00	-3.6365e+00	3.8471e+02	1.0328e+03
655	371	0.0000e+00	7.8400e+00	-2.9204e+00	1.9244e+00	4.7188e+02	1.2668e+03
	354	0.0000e+00	-7.8400e+00	2.9204e+00	-1.9244e+00	5.0791e+02	1.3635e+03
656	354	-1.7053e-13	1.1595e+01	-4.3192e+00	-4.9317e+01	6.4378e+02	1.7283e+03
	385	1.7053e-13	-1.1595e+01	4.3192e+00	4.9317e+01	6.8654e+02	1.8431e+03
657	385	5.6843e-14	2.3518e+00	-8.7604e-01	8.7189e+01	-5.5509e+01	-1.4902e+02
	386	-5.6843e-14	-2.3518e+00	8.7604e-01	-8.7189e+01	3.2971e+02	8.8513e+02
658	386	1.1369e-13	-7.1282e+01	2.6552e+01	-1.1130e+02	-4.1876e+03	-1.1242e+04
	77	-1.1369e-13	7.1282e+01	-2.6552e+01	1.1130e+02	-4.0798e+03	-1.0953e+04
Elem	Nodo	Nx	Ny	Nxy	Mx	My	Mxy
28	484	0.0000e+00	-3.3845e-01	1.4780e+00	-6.6484e+01	3.1407e+02	1.4991e+02
	482	0.0000e+00	5.9486e-01	1.4775e+00	-9.3602e+01	1.3975e+02	-9.6111e+01
	564	9.6181e-04	5.9486e-01	1.0477e+00	-3.2017e+02	-9.6178e+00	-2.5664e+02
29	563	-6.7781e-01	-3.5046e-02	-1.2241e+00	-1.6891e+02	-2.9962e+02	-1.0107e+02
	484	-6.7781e-01	3.9005e-02	-1.6131e+00	4.1127e+01	-4.9359e+01	-2.3909e+02
	564	1.6705e-01	-3.5046e-02	-1.2643e+00	-3.1878e+02	-2.6714e+02	1.7068e+02
30	563	-3.5046e-02	-8.6460e-01	7.2233e-01	-4.0294e+02	4.1736e+01	1.8122e+01
	564	-3.5046e-02	2.0733e+00	7.6254e-01	-3.6024e+02	9.3573e+00	-1.7812e+01
	544	-1.0910e-01	2.0733e+00	-5.9024e-01	-3.9333e+02	5.1624e+01	-4.7631e+01
31	543	-1.8119e+00	4.0323e-02	2.7536e-01	-9.3559e+00	-4.3704e+02	-1.1524e+01
	563	-1.8119e+00	-9.8815e-03	-1.1449e+00	3.4782e+01	-3.9756e+02	-1.0699e+01
	544	1.2725e+00	4.0323e-02	3.0262e-01	-8.4604e+00	-3.8111e+02	3.1347e+01
32	543	4.0323e-02	-2.8395e-01	-8.2978e-01	-3.5400e+02	-3.7708e+02	-2.0035e+02
	544	4.0323e-02	1.9987e+00	-8.5704e-01	-2.9025e+02	-2.2165e+02	1.1585e+02
	1	9.0527e-02	1.9987e+00	-1.9081e+00	9.3766e-01	1.7203e+02	2.5899e+02
33	58	-1.1076e+00	0.0000e+00	1.4525e+00	1.8732e+02	-1.2426e+02	9.1939e+01
	543	-1.1076e+00	5.8841e-01	7.4812e-01	2.5317e+00	-4.2230e+02	3.0801e+02
	1	4.2214e-01	0.0000e+00	1.1330e+00	4.2194e+02	-8.6894e+01	-2.3170e+02
34	523	-1.9218e-02	1.4234e+00	-8.8561e-01	-4.0223e+02	6.3792e+01	1.7804e+01
	561	-1.9218e-02	-1.9266e+00	-8.7237e-01	-4.0292e+02	5.5732e+01	-6.4295e+00
	541	-4.3801e-02	-1.9266e+00	6.8249e-01	-4.2542e+02	1.9545e+01	-1.3912e+01
35	519	2.2428e+00	2.9407e-02	-2.4951e-01	1.0728e+00	-3.5956e+02	-1.5717e+00
	523	2.2428e+00	-3.7940e-03	1.2742e+00	5.8334e+01	-3.7596e+02	-3.5970e+00
	541	-1.0401e+00	2.9407e-02	-2.3162e-01	-1.1090e+00	-4.6300e+02	-1.9246e+01
36	519	2.9407e-02	5.7300e-01	9.8551e-01	-2.8042e+02	-2.9392e+02	-1.5719e+02
	541	2.9407e-02	-1.1141e+00	9.6763e-01	-3.5515e+02	-1.1595e+02	1.1478e+02
	536	6.2608e-02	-1.1141e+00	1.7507e+00	-1.0269e+02	-1.2604e+01	2.7999e+02
37	52	2.1248e+00	0.0000e+00	-1.0820e+00	2.5710e+02	-7.9329e+01	1.2813e+02
	519	2.1248e+00	6.3007e-01	5.8273e-02	-3.4015e+01	-3.0358e+02	2.2838e+02
	536	-3.3201e-01	0.0000e+00	-1.4214e+00	3.6510e+02	-7.2460e+01	-1.1345e+02
38	523	8.5104e-01	-1.9218e-02	1.4616e+00	-1.7700e+02	-3.2202e+02	-1.3635e+02

	161	8.5104e-01	5.6295e-16	1.3855e+00	1.8833e+02	-7.7523e+01	-1.3109e+02
	486	-8.8627e-01	5.6295e-16	1.3345e+00	2.1694e+02	-6.8774e+01	1.3695e+02
	561	-8.8627e-01	-1.9218e-02	1.4106e+00	-1.9428e+02	-3.2190e+02	1.3169e+02
39	560	3.9043e-01	2.1297e-01	1.0702e-01	1.3027e+02	5.6795e+01	-2.6434e+02
	579	3.9043e-01	0.0000e+00	2.4434e-01	1.0051e+02	7.9409e+01	-3.5213e+02
	161	8.5104e-01	0.0000e+00	4.4247e-01	-6.8544e+01	-1.1513e+02	-2.9531e+02
	523	8.5104e-01	2.1297e-01	3.0515e-01	1.7625e+02	-2.5461e+02	-2.0752e+02
40	540	7.7010e-01	1.4707e-01	-4.2832e-01	3.9517e+02	2.1793e+02	1.3818e+02
	560	7.7010e-01	2.1297e-01	-5.4308e-04	3.5551e+02	1.9838e+02	-1.1908e+02
	523	2.2428e+00	2.1297e-01	2.9003e-01	1.7344e+02	-4.2742e+02	-1.2588e+02
	519	2.2428e+00	1.4707e-01	-1.3774e-01	2.1656e+02	-4.2756e+02	1.3137e+02
41	412	4.0682e-01	0.0000e+00	-6.4064e-01	-4.2167e+02	-1.3355e+02	1.9187e+02
	540	4.0682e-01	1.4707e-01	-3.6093e-01	4.5792e+02	4.8700e+01	2.7824e+02
	519	2.1248e+00	1.4707e-01	-6.9120e-01	1.7007e+02	-2.2356e+02	2.2756e+02
	52	2.1248e+00	0.0000e+00	-9.7091e-01	-1.2719e+01	1.0327e+02	1.4119e+02
42	557	-3.2319e-01	-4.9223e-01	-6.8886e-01	-2.0976e+01	-5.3323e+02	2.8092e+01
	490	-3.4756e-01	-6.2235e-02	-5.0776e-01	1.6810e+02	-4.5398e+01	-1.0751e+01
	488	-2.3212e-02	-3.8676e-02	-3.0951e-01	-4.7733e+01	-6.2877e+01	2.6248e+02
	481	-8.5892e-02	-6.0612e-01	-5.9779e-01	-8.7967e+01	-1.6513e+02	4.2851e+02
43	480	-6.3708e-01	4.4363e-01	-8.5563e-02	4.9824e+02	4.0856e+01	7.5831e+01
	558	-5.9240e-01	-2.4961e-02	-3.0643e-01	5.6925e+02	2.9403e+02	2.7903e+01
	557	-1.0630e+00	-2.8202e-01	6.1251e-02	-3.0055e+02	-6.3804e+02	-2.0419e+02
	481	-1.0183e+00	1.1902e+00	-2.4903e-01	2.7121e+02	-3.5413e+02	-4.9516e+01
44	577	1.8648e-01	-4.3019e-02	-2.2022e-01	-7.9300e+01	1.0798e+02	2.4114e+02
	480	2.6026e-01	-3.1754e-01	-6.0001e-01	1.6249e+02	3.2448e+02	1.7647e+02
	481	-7.6166e-02	-3.3566e-01	-7.1227e-01	4.9826e+01	-1.3249e+01	3.4267e+02
	488	-2.3879e-03	-5.6297e-02	-2.9976e-01	-3.0139e+02	7.4470e+01	3.7101e+02
45	559	-8.7822e-02	2.0354e-01	2.9872e-01	8.0706e+01	7.5263e+02	-1.1560e+00
	558	-8.7822e-02	7.2874e-03	2.4338e-01	1.4994e+01	5.6127e+02	-1.0930e+02
	480	-1.1002e-01	7.2874e-03	3.9507e-01	9.4622e+01	3.7085e+02	-1.9841e+02
	472	-1.1002e-01	-5.0160e-01	4.7621e-01	-5.0181e+01	4.6485e+02	-9.7233e+01
46	489	1.0132e-01	-1.2441e-02	2.6053e-01	-1.4918e+02	-5.4338e+02	-3.4454e+02
	578	9.3653e-02	-9.6114e-02	2.3263e-01	5.0566e+01	2.7773e+02	-1.6249e+02
	559	5.0250e-02	-1.2734e-01	3.1750e-01	1.3253e+02	4.2428e+02	1.1631e+02
	472	3.1335e-02	-1.2724e-01	3.6077e-01	-8.1857e+00	-1.7506e+01	2.3911e+01
47	577	-3.6673e-16	1.4346e-01	3.7834e-01	7.3684e+01	3.0268e+01	3.3620e+01
	489	-3.7455e-16	2.5756e-02	3.2385e-01	-1.2261e+02	-6.4901e+02	6.5020e+01
	472	-1.1002e-01	-1.0165e-01	4.7529e-01	-2.1406e+02	-1.2212e+02	-9.7809e+01
	480	-1.1002e-01	1.4346e-01	5.0128e-01	1.3330e+02	-8.0985e+01	-1.6813e+02
48	24	-2.1242e-01	-5.0855e-01	-1.8930e-01	4.7933e+02	1.9254e+02	-1.2813e+02
	427	-2.1242e-01	0.0000e+00	1.3786e-01	-2.1757e+02	2.3932e+01	-1.6751e+02
	490	-4.0980e-01	0.0000e+00	3.1439e-01	6.4593e+01	-2.2163e+01	-1.3979e+02
	557	-4.0980e-01	-5.0855e-01	-1.2775e-02	-1.9828e+01	-2.1089e+02	-1.0041e+02
49	505	-2.5518e-01	-5.7121e-02	-3.5442e-01	6.3728e+02	-1.7920e+01	-1.8505e+01
	428	-2.5518e-01	0.0000e+00	-3.0032e-01	-2.8025e+02	8.1647e+00	-2.5577e+01
	427	-2.1242e-01	0.0000e+00	-1.7545e-01	-1.9045e+02	1.8076e+01	-5.1683e+01
	24	-2.1242e-01	-5.7121e-02	-2.2956e-01	5.0845e+02	6.3080e+01	-4.4612e+01
50	604	1.4929e-01	-1.7822e-01	-1.1837e-01	2.8661e+02	1.3514e+02	1.2768e+02
	430	3.3309e-02	-3.6356e-01	-3.1914e-01	-4.3472e+01	8.1095e+01	1.4595e+01
	428	1.6797e-01	-4.2315e-01	-3.3568e-01	-1.7369e+02	-3.7038e+01	-8.8187e+01
	505	5.1993e-02	-3.0824e-01	-2.6273e-01	4.6755e+02	1.1119e+02	2.6733e+02
51	603	2.8079e-01	-1.9386e-01	-1.0633e-01	5.4142e+02	2.1341e+02	2.6614e+02
	583	4.9603e-01	-4.1671e-01	-2.3905e-01	1.0075e+02	-9.4768e+00	-1.7787e+01
	430	-8.5998e-02	-5.5600e-01	-5.2596e-01	8.1029e+01	-1.2280e+02	-1.4971e+01
	604	1.2925e-01	-1.9655e-01	-1.5071e-01	3.9430e+02	-6.7089e+01	2.0930e+02
52	602	-3.7868e-01	2.0901e-01	-1.2201e-01	4.4926e+02	-1.4115e+02	-1.9176e+02
	437	-5.1661e-01	-6.8440e-03	1.2626e-01	9.3504e+01	-1.4688e+02	2.2462e+01

	583	-8.2365e-03	8.7564e-02	-9.3288e-02	1.3723e+02	-1.8671e+01	4.3410e+01
	603	-1.4617e-01	2.3923e-01	-2.0834e-01	5.7929e+02	1.6192e+02	-2.1969e+02
53	601	-3.0312e-01	1.5954e-01	4.2305e-02	2.7867e+02	9.5387e+01	-2.8946e+02
	446	-3.0312e-01	4.1334e-02	1.1697e-01	2.7988e+01	1.1892e+01	-6.1742e+01
	437	-3.9450e-01	8.8178e-02	1.3354e-01	-6.4098e+01	8.1075e+01	2.1365e+01
	602	-3.9450e-01	2.0638e-01	5.8878e-02	2.3660e+02	2.4510e+02	-1.6843e+02
54	600	-2.3236e-01	9.6691e-02	1.4856e-02	4.5497e+02	1.2183e+02	-3.2571e+02
	455	-2.2752e-01	7.1684e-02	2.6545e-02	-4.4253e+01	-2.0719e+01	-1.3813e+01
	446	-3.2423e-01	8.8870e-02	4.7455e-02	-8.1004e+01	7.4437e+01	1.8503e+01
	601	-3.1939e-01	1.1990e-01	2.8058e-02	3.0747e+02	1.9798e+02	-1.8334e+02
55	599	-3.0360e-01	5.4428e-02	-2.9765e-02	5.6947e+02	4.7732e+01	-2.3346e+02
	460	-3.0360e-01	6.4935e-02	-7.5886e-04	-4.0587e+01	-2.6207e+01	-8.4107e+00
	455	-2.2766e-01	2.0950e-02	2.9588e-02	-1.7412e+02	3.9543e+01	6.5660e+01
	600	-2.2766e-01	1.0444e-02	5.8154e-04	4.4917e+02	1.1281e+02	-1.6518e+02
56	598	-6.6957e-01	-2.2751e-01	3.9416e-01	5.6366e+02	4.4051e+01	-9.4158e+01
	25	-7.8781e-01	-3.1751e-02	1.5962e-01	-3.1298e+02	-3.1920e+01	1.2490e+02
	460	-2.1880e-01	1.2589e-01	-2.4851e-01	-2.1965e+02	4.2003e+01	7.4302e+01
	599	-3.3704e-01	-9.0588e-02	5.8244e-02	4.7755e+02	4.8767e+01	-6.7495e+01
57	597	1.1578e-01	-7.0770e-01	-2.8071e-01	7.6376e+02	2.2559e+02	1.0386e+02
	24	1.1578e-01	-5.0855e-01	-3.0256e-01	6.9297e+02	2.3829e+02	-9.6463e+01
	557	-7.3355e-01	-5.0855e-01	-9.2831e-02	1.2879e+02	-2.5247e+02	-9.7756e+01
	537	-7.3355e-01	-7.0770e-01	-7.0981e-02	2.2403e+02	-2.3883e+02	1.0257e+02
58	596	-1.5031e-01	-1.0308e-02	-3.6191e-01	9.7008e+02	-1.9998e+01	3.8220e+00
	505	-1.5031e-01	-5.7121e-02	-2.9401e-01	9.1381e+02	-1.1213e+01	-4.2355e+00
	24	1.1578e-01	-5.7121e-02	-3.4282e-01	8.7823e+02	8.3147e+01	1.4465e+00
	597	1.1578e-01	-1.0308e-02	-4.1071e-01	9.6119e+02	8.7814e+01	9.5039e+00
59	595	-2.1639e-01	-3.4240e-03	-3.9799e-01	9.4501e+02	1.7200e+01	-8.6929e+00
	604	-2.1639e-01	-1.0730e-03	-2.5867e-01	1.0687e+03	6.2508e+01	-2.7127e+01
	505	-1.5031e-01	-1.0730e-03	-2.3170e-01	9.4063e+02	-3.9213e+01	-1.3360e+01
	596	-1.5031e-01	-3.4240e-03	-3.7101e-01	1.0052e+03	-8.8702e+00	5.0744e+00
60	594	-2.2855e-01	1.4130e-02	-3.2681e-01	9.8813e+02	1.8323e+01	8.0931e+00
	603	-2.2855e-01	7.6001e-03	-2.5155e-01	9.6527e+02	6.3835e+01	1.4046e+01
	604	-2.1639e-01	7.6001e-03	-2.7992e-01	9.7160e+02	-6.8507e+01	-8.7918e-02
	595	-2.1639e-01	1.4130e-02	-3.5518e-01	1.0147e+03	-1.2753e+01	-6.0403e+00
61	593	-2.2668e-01	7.6185e-03	-2.4572e-01	1.0128e+03	-4.2188e+01	-9.4441e-01
	602	-2.2668e-01	1.3736e-02	-2.6104e-01	9.3501e+02	-1.0026e+02	-1.7308e+00
	603	-2.2855e-01	1.3736e-02	-2.7587e-01	9.5616e+02	6.5860e+01	-1.0480e+01
	594	-2.2855e-01	7.6185e-03	-2.6056e-01	9.8801e+02	1.5399e+01	-9.6934e+00
62	592	-1.8362e-01	-6.6170e-03	-1.6083e-01	9.9873e+02	-3.3095e+01	8.3130e+00
	601	-1.8362e-01	-1.0381e-02	-2.3193e-01	9.5495e+02	-6.0531e+01	1.5117e+01
	602	-2.2668e-01	-1.0381e-02	-2.6412e-01	1.0187e+03	6.4032e+01	1.4159e+01
	593	-2.2668e-01	-6.6170e-03	-1.9302e-01	9.7257e+02	3.7290e+01	7.3548e+00
63	591	-1.9508e-01	1.7434e-03	-1.0851e-01	9.8016e+02	-9.0650e+00	2.2978e+00
	600	-1.9508e-01	4.4516e-03	-1.6043e-01	9.5826e+02	-2.8257e+01	7.8132e+00
	601	-1.8362e-01	4.4516e-03	-1.9349e-01	1.0085e+03	4.1930e+01	1.3932e+01
	592	-1.8362e-01	1.7434e-03	-1.4156e-01	9.6037e+02	1.8304e+01	8.4166e+00
64	590	-1.0561e-01	-2.1573e-02	-7.3106e-02	9.6852e+02	1.9362e+01	9.9380e-01
	599	-1.0561e-01	-3.0696e-02	-8.6298e-02	9.5335e+02	1.2636e+01	2.8110e+00
	600	-1.9508e-01	-3.0696e-02	-1.1000e-01	9.7319e+02	7.9563e+00	6.3310e+00
	591	-1.9508e-01	-2.1573e-02	-9.6803e-02	9.5872e+02	-1.3213e+00	4.5138e+00
65	589	-4.5473e-01	-4.8969e-02	-2.1016e-02	9.1252e+02	8.9396e+01	7.4899e-01
	598	-4.5473e-01	-7.7525e-02	1.1821e-01	8.8310e+02	4.9098e+01	1.4688e+01
	599	-1.0561e-01	-7.7525e-02	5.6785e-02	9.3510e+02	-3.4702e+00	3.7737e+00
	590	-1.0561e-01	-4.8969e-02	-8.2441e-02	9.2759e+02	-3.4693e+01	-1.0165e+01
66	415	-1.2974e-01	0.0000e+00	-6.1350e-01	-7.1775e+02	1.2257e+01	1.3364e+02
	597	-1.2974e-01	-7.0770e-01	-3.3111e-01	6.8416e+02	1.7277e+02	1.4456e+02
	537	-9.5584e-01	-7.0770e-01	-5.7140e-01	-1.2157e+01	-1.9235e+02	1.0556e+02

	53	-9.5584e-01	0.0000e+00	-8.5379e-01	3.8748e+01	-3.5257e+00	9.4639e+01
67	418	-2.2375e-01	0.0000e+00	-2.2527e-01	-9.9414e+02	9.1717e+00	3.0862e+01
	596	-2.2375e-01	-1.0308e-02	-3.5120e-01	7.9721e+02	-3.5455e+01	4.3201e+01
	597	-1.2974e-01	-1.0308e-02	-4.6112e-01	6.5859e+02	6.5259e+01	3.1139e+01
	415	-1.2974e-01	0.0000e+00	-3.3518e-01	-7.8741e+02	2.9374e+01	1.8800e+01
68	425	-1.4534e-01	3.7245e-31	-2.2751e-01	-1.0367e+03	2.9025e+01	5.6553e+01
	595	-1.4534e-01	-3.4240e-03	-4.3194e-01	8.1433e+02	-2.2471e+01	5.9355e+01
	596	-2.2375e-01	-3.4240e-03	-3.6031e-01	7.6759e+02	-3.6204e+01	-5.1003e+01
	418	-2.2375e-01	-4.8357e-31	-1.5588e-01	-9.7962e+02	3.2259e+01	-5.3805e+01
69	450	-7.4745e-02	-1.1870e-30	-1.9169e-01	-1.0932e+03	1.4676e+01	3.0563e+01
	594	-7.4745e-02	1.4130e-02	-3.1249e-01	7.8505e+02	-3.1318e+00	4.0641e+01
	595	-1.4534e-01	1.4130e-02	-3.8913e-01	7.9600e+02	-1.8739e+01	-3.2808e+01
	425	-1.4534e-01	-1.6616e-30	-2.6833e-01	-1.0486e+03	1.6680e+01	-4.2886e+01
70	451	-2.6595e-01	0.0000e+00	-3.3143e-01	-1.0401e+03	1.7948e+01	5.7339e+01
	593	-2.6595e-01	7.6185e-03	-2.2810e-01	7.5635e+02	-4.8877e+01	5.0209e+01
	594	-7.4745e-02	7.6185e-03	-2.4624e-01	7.5933e+02	-1.0341e+01	-5.9986e+01
	450	-7.4745e-02	0.0000e+00	-3.4957e-01	-1.0758e+03	1.8659e+01	-5.2856e+01
71	454	-2.2744e-01	0.0000e+00	-2.4748e-01	-1.0840e+03	1.1033e+01	4.0475e+01
	592	-2.2744e-01	-6.6170e-03	-1.6907e-01	7.6584e+02	-4.3029e+01	4.8401e+01
	593	-2.6595e-01	-6.6170e-03	-1.7539e-01	8.1117e+02	1.6818e+01	-2.9973e+01
	451	-2.6595e-01	0.0000e+00	-2.5379e-01	-1.0855e+03	1.9551e+01	-3.7899e+01
72	457	-2.2804e-01	3.3347e-16	-1.6180e-01	-1.0897e+03	1.5029e+01	4.1052e+01
	591	-2.2804e-01	1.7434e-03	-1.1040e-01	7.6934e+02	-2.1685e+01	4.0664e+01
	592	-2.2744e-01	1.7434e-03	-1.4980e-01	7.9377e+02	-2.1056e+00	-3.5448e+01
	454	-2.2744e-01	4.1493e-16	-2.0121e-01	-1.1163e+03	1.6336e+01	-3.5060e+01
73	462	-2.6160e-01	-3.9133e-31	-6.3195e-02	-1.1118e+03	1.6850e+01	2.2226e+01
	590	-2.6160e-01	-2.1573e-02	-2.4346e-02	7.5564e+02	1.5301e+00	2.6891e+01
	591	-2.2804e-01	-2.1573e-02	-9.8692e-02	7.7300e+02	-1.7232e+01	-4.0296e+01
	457	-2.2804e-01	-8.5172e-31	-1.3754e-01	-1.1034e+03	1.6136e+01	-4.4961e+01
74	414	-5.7485e-01	6.0145e-17	-1.5422e-02	-1.0554e+03	3.2899e+01	-1.4583e+01
	589	-5.7485e-01	-4.8969e-02	-8.4035e-02	7.1227e+02	6.7852e+01	-2.1484e+01
	590	-2.6160e-01	-4.8969e-02	-3.3682e-02	7.3060e+02	-5.8033e+01	-6.7306e+01
	462	-2.6160e-01	-1.5073e-16	3.4931e-02	-1.1069e+03	1.5020e+01	-6.0405e+01
75	575	-8.6004e-02	1.1513e-02	2.8484e-02	6.4887e+02	4.3477e+01	1.1504e+02
	410	-6.7702e-02	3.8198e-02	7.5257e-02	-3.3351e+01	6.3516e+01	7.3715e+00
	471	-8.4425e-02	6.3797e-03	4.1609e-03	-3.0565e+00	7.8482e+00	-2.1096e+01
	576	-6.6123e-02	-1.7753e-02	-3.2853e-02	7.8496e+02	8.1228e+01	1.4164e+02
76	574	-1.1914e-01	6.7006e-02	4.9413e-02	5.6528e+02	1.5200e+02	2.2566e+02
	408	-1.1914e-01	8.0578e-02	6.0187e-02	-3.3399e+01	7.4296e+01	7.8039e+00
	410	-9.3318e-02	7.1684e-02	5.6458e-02	8.6777e+01	7.7195e+00	8.0107e+01
	575	-9.3318e-02	5.8111e-02	4.5684e-02	6.9201e+02	6.7155e+01	3.0764e+02
77	573	-2.0230e-01	1.3626e-01	-4.5229e-03	3.4335e+02	3.0172e+02	2.5859e+02
	405	-1.9801e-01	1.5702e-01	8.7852e-03	8.2108e+01	1.6411e+02	1.0279e+02
	408	-1.4750e-01	1.3264e-01	1.5796e-02	5.5915e+01	4.2433e+01	9.5209e+01
	574	-1.4320e-01	1.1854e-01	1.0055e-02	4.4251e+02	2.1636e+02	4.2198e+02
78	572	-1.7168e-01	1.6961e-01	8.3057e-02	6.0906e+02	2.3251e+02	3.4021e+02
	585	-1.6884e-01	1.6556e-01	8.2006e-02	1.5919e+02	2.7287e+01	4.9061e+01
	405	-1.8668e-01	1.4796e-01	6.2241e-02	2.2914e+02	-7.2200e+00	1.1931e+02
	573	-1.8383e-01	1.5509e-01	6.7544e-02	4.7425e+02	1.0193e+01	2.7895e+02
79	571	1.6151e-01	-1.5161e-01	1.2836e-01	5.7345e+02	-7.3059e+01	-2.4967e+02
	404	1.2288e-01	-2.0736e-01	1.9714e-01	2.4149e+02	-4.1670e+01	-9.7265e+01
	585	1.9002e-01	-1.9330e-01	1.6642e-01	1.7074e+02	1.6113e+01	-2.4132e+01
	572	1.5139e-01	-1.5414e-01	1.3343e-01	6.9175e+02	1.6713e+02	-2.8065e+02
80	570	2.3849e-01	-2.3921e-01	7.5431e-02	5.2560e+02	1.7288e+02	-3.9377e+02
	403	2.4875e-01	-2.8913e-01	1.0869e-01	8.5447e+01	3.7237e+01	-1.0009e+02
	404	1.8686e-01	-2.6450e-01	1.1421e-01	4.9862e+01	1.3183e+02	-7.1418e+01
	571	1.9712e-01	-2.0446e-01	6.6533e-02	3.9839e+02	2.6701e+02	-2.6232e+02

81	569	2.0574e-01	-2.2983e-01	1.8600e-01	6.6080e+02	9.3868e+01	-2.9632e+02
	402	2.0802e-01	-2.7356e-01	2.2395e-01	9.3472e+01	3.3728e+00	-6.7549e+01
	403	1.9706e-01	-2.5601e-01	2.0899e-01	-1.2013e+01	7.6769e+01	-8.8746e+00
	570	1.9935e-01	-2.1099e-01	1.6861e-01	5.3638e+02	1.5085e+02	-2.2859e+02
82	568	1.4942e-01	-1.5874e-01	2.0514e-01	6.0804e+02	7.1883e+01	-5.8098e+01
	401	1.5138e-01	-1.0706e-01	2.1533e-01	7.2438e+01	-1.1702e+01	5.9082e+01
	402	1.0190e-01	-1.2279e-01	2.5523e-01	-3.3491e+01	4.7775e+01	2.3581e+01
	569	1.0386e-01	-1.7994e-01	2.5647e-01	6.1680e+02	4.1731e+01	-9.6811e+01
83	567	-3.2648e-01	-5.8749e-01	-2.7433e-01	-2.6133e+01	-2.7389e+02	9.2811e+01
	470	-3.2648e-01	-1.3123e-16	-3.1980e-01	1.4016e+02	-3.6205e+01	1.6507e+02
	401	4.4323e-02	-6.3711e-18	1.4116e-01	-5.3425e+01	3.2604e+01	2.0810e+02
	568	4.4323e-02	-5.8749e-01	1.8663e-01	5.6633e+02	2.3911e+02	1.3584e+02
84	566	7.7071e-02	-7.1127e-01	3.6951e-01	5.4442e+02	5.4480e+02	-1.2215e+02
	581	7.7071e-02	3.5184e-17	5.7281e-01	2.0314e+02	7.2570e+01	-2.7825e+02
	470	-3.2648e-01	3.5184e-17	9.1292e-01	3.2068e+02	-1.0918e+02	-1.6136e+02
	567	-3.2648e-01	-7.1127e-01	7.0963e-01	-2.2087e+02	-6.9408e+02	-5.2538e+00
85	565	-2.6304e-01	8.1758e-02	2.4432e-01	3.5476e+02	3.8994e+01	7.5835e+01
	483	-1.4330e-01	2.8420e-01	5.2935e-01	-2.9814e+02	9.1428e+01	5.0939e+01
	581	-2.0696e-01	2.8403e-01	5.2077e-01	9.9587e+01	6.2696e+01	1.6576e+01
	566	-8.7231e-02	1.0559e-01	3.1307e-01	6.0758e+02	1.5709e+02	5.2359e+00
86	564	5.5917e-01	1.9531e-01	1.2062e-01	9.7990e+01	5.2164e+01	2.0190e+02
	482	6.1356e-01	-1.8698e-02	4.3512e-02	-1.9733e+02	8.7924e+01	1.3465e+02
	483	-3.3348e-01	6.8446e-02	8.8717e-02	-2.6827e+02	4.9749e+01	9.8942e+01
	565	-2.7909e-01	3.1125e-01	2.3543e-01	3.8626e+02	1.4237e+02	1.8192e+02
87	562	1.4608e-01	-2.6643e-01	-3.1640e-02	5.5111e+02	2.3417e+02	-4.0333e+01
	580	1.4608e-01	5.2776e-17	-1.2554e-01	1.8853e+02	5.1006e+01	-1.3293e+02
	484	-6.7781e-01	5.2776e-17	-2.9452e-01	-5.3964e+01	-1.6933e+01	-2.5072e+02
	563	-6.7781e-01	-2.6643e-01	-2.0062e-01	2.7729e+02	-1.1559e+02	-1.5812e+02
88	561	-8.8627e-01	-2.8809e-01	3.1784e-01	2.3631e+02	-1.9831e+02	1.6703e+02
	486	-8.8627e-01	-7.4119e-16	3.7347e-01	-3.4891e+01	-3.3001e+01	2.8764e+02
	580	1.4608e-01	-2.4758e-16	1.1165e-01	2.2651e+02	7.1524e+01	1.7529e+02
	562	1.4608e-01	-2.8809e-01	5.6013e-02	5.3484e+02	3.3363e+02	5.4679e+01
89	559	-2.4615e-03	2.3963e-01	-2.9913e-01	6.2596e+02	1.2351e+02	-3.2713e+01
	578	-2.4615e-03	0.0000e+00	-3.3154e-01	1.0641e+02	4.3159e+01	-1.0233e+02
	579	3.9043e-01	-2.2083e-32	-2.1326e-01	-7.7729e+00	1.3144e+01	-2.6533e+02
	560	3.9043e-01	2.3963e-01	-1.8085e-01	4.1034e+02	7.0420e+01	-1.9571e+02
90	555	-4.9156e-02	-4.1404e-03	5.4298e-02	1.0422e+03	-4.3258e+01	-1.0869e+00
	575	-4.9156e-02	-5.8301e-03	3.6742e-02	1.1047e+03	-2.1295e+01	-4.4788e+00
	576	-7.8563e-02	-5.8301e-03	-1.7160e-03	1.0874e+03	7.0825e+01	-1.5332e+01
	556	-7.8563e-02	-4.1404e-03	1.5840e-02	1.0432e+03	1.0181e+02	-1.1940e+01
91	554	-5.3139e-02	1.5147e-04	1.1263e-01	1.0600e+03	3.9363e+00	-5.9879e+00
	574	-5.3139e-02	-3.0218e-03	1.0670e-01	1.1109e+03	1.8636e+01	-4.4549e+00
	575	-4.9156e-02	-3.0218e-03	7.6391e-02	1.1026e+03	-4.3615e+00	-5.0097e+00
	555	-4.9156e-02	1.5147e-04	8.2326e-02	1.0768e+03	1.0740e+01	-6.5427e+00
92	553	-5.4855e-02	7.0445e-04	1.6053e-01	1.0535e+03	3.5947e+01	-3.5683e+00
	573	-5.4855e-02	-7.5147e-04	1.5066e-01	1.1732e+03	6.7473e+01	-1.6463e+01
	574	-5.3139e-02	-7.5147e-04	1.3409e-01	1.0827e+03	-6.0866e+01	-1.4139e+01
	554	-5.3139e-02	7.0445e-04	1.4397e-01	1.0809e+03	-3.1240e+01	-1.2450e+00
93	552	-4.7407e-02	2.6353e-03	2.1669e-01	1.0724e+03	1.1484e+01	5.4346e+00
	572	-4.7407e-02	1.2087e-03	1.9098e-01	1.0739e+03	3.6472e+01	1.3635e+01
	573	-5.4855e-02	1.2087e-03	1.6497e-01	1.0913e+03	-5.6310e+01	-1.0269e+00
	553	-5.4855e-02	2.6353e-03	1.9068e-01	1.0978e+03	-2.0106e+01	-9.2271e+00
94	551	-5.0530e-02	-8.5737e-04	2.4777e-01	1.1008e+03	-3.2111e+01	7.0422e+00
	571	-5.0530e-02	5.3525e-04	2.0816e-01	1.0836e+03	-7.6556e+01	-1.2088e+00
	572	-4.7407e-02	5.3525e-04	2.0403e-01	1.0838e+03	4.9364e+01	-8.6434e+00
	552	-4.7407e-02	-8.5737e-04	2.4363e-01	1.0626e+03	1.1383e+01	-3.9237e-01
95	550	-5.5670e-02	8.3942e-04	3.0844e-01	1.0853e+03	-1.5859e+01	1.8509e+00

	570	-5.5670e-02	-2.4954e-03	2.5146e-01	1.0935e+03	-3.3975e+01	9.5595e+00
	571	-5.0530e-02	-2.4954e-03	2.1588e-01	1.1541e+03	5.1822e+01	1.2221e+01
	551	-5.0530e-02	8.3942e-04	2.7285e-01	1.0684e+03	3.1826e+01	4.5125e+00
96	549	-4.7979e-02	5.2813e-03	3.4290e-01	1.0744e+03	2.7912e+01	-7.3181e-01
	569	-4.7979e-02	4.4133e-03	2.6608e-01	1.0827e+03	1.8496e+01	1.3820e+00
	570	-5.5670e-02	4.4133e-03	2.6820e-01	1.1102e+03	5.5829e+00	4.7351e+00
	550	-5.5670e-02	5.2813e-03	3.4502e-01	1.0582e+03	-6.3289e+00	2.6213e+00
97	548	2.1377e-01	-3.0845e-02	4.4213e-01	1.0080e+03	9.3033e+01	-1.7005e+01
	568	2.1377e-01	-5.3636e-02	3.1118e-01	9.6198e+02	8.9085e+01	6.0773e+00
	569	-4.7979e-02	-5.3636e-02	2.5950e-01	1.0504e+03	-1.2000e+01	1.1358e+01
	549	-4.7979e-02	-3.0845e-02	3.9045e-01	1.0258e+03	-2.0540e+01	-1.1724e+01
98	547	-7.2976e-01	-7.3270e-01	1.7913e-01	2.4516e+02	-2.8151e+02	-1.0723e+02
	567	-7.2976e-01	-5.8749e-01	7.3242e-02	1.1279e+02	-3.1770e+02	1.0974e+02
	568	2.1377e-01	-5.8749e-01	2.4597e-01	7.5851e+02	2.8383e+02	9.8998e+01
	548	2.1377e-01	-7.3270e-01	3.5186e-01	7.9706e+02	2.5542e+02	-1.1797e+02
99	546	2.7530e-01	-9.3389e-01	4.4213e-01	7.2110e+02	5.7464e+02	1.6607e+02
	566	2.7530e-01	-7.1127e-01	2.9078e-01	6.9702e+02	6.0891e+02	-1.2994e+02
	567	-7.2976e-01	-7.1127e-01	2.5292e-01	8.9081e+01	-7.9570e+02	-1.2393e+02
	547	-7.2976e-01	-9.3389e-01	4.0427e-01	1.0073e+02	-7.6723e+02	1.7209e+02
100	545	-1.5047e-01	-4.8497e-02	1.7376e-01	9.3045e+02	7.5125e+01	8.9246e-01
	565	-1.5047e-01	-5.8709e-02	1.9513e-01	8.4580e+02	2.2711e+01	-3.2349e+01
	566	2.7530e-01	-5.8709e-02	2.4173e-01	8.1999e+02	1.7874e+02	-2.1582e+01
	546	2.7530e-01	-4.8497e-02	2.2036e-01	8.1833e+02	1.1595e+02	1.1660e+01
101	544	2.0733e+00	2.8858e-01	3.5029e-01	3.4276e+02	-1.4247e+01	-7.7344e+01
	564	2.0733e+00	1.5962e-01	2.0669e-01	2.1611e+02	-5.7546e+01	1.0777e+02
	565	-1.5047e-01	1.5962e-01	1.9041e-01	7.2263e+02	1.5528e+02	8.7731e+01
	545	-1.5047e-01	2.8858e-01	3.3401e-01	7.8049e+02	1.2769e+02	-9.7379e+01
102	542	1.9121e-01	-2.7224e-01	4.8767e-03	7.8233e+02	2.1605e+02	1.0343e+02
	562	1.9121e-01	-2.6643e-01	-4.6551e-03	7.6719e+02	2.7884e+02	-7.4706e+01
	563	-1.8119e+00	-2.6643e-01	-8.0343e-02	2.0257e+02	-1.2190e+02	-8.4998e+01
	543	-1.8119e+00	-2.7224e-01	-7.0811e-02	3.5369e+02	-5.1726e+01	9.3139e+01
103	541	-1.9266e+00	-3.1088e-01	8.2820e-02	3.3524e+02	-1.3540e+02	-1.2471e+02
	561	-1.9266e+00	-2.8809e-01	1.1504e-01	2.0058e+02	-2.1797e+02	1.0402e+02
	562	1.9121e-01	-2.8809e-01	8.2998e-02	7.9048e+02	3.9574e+02	9.8989e+01
	542	1.9121e-01	-3.1088e-01	5.0774e-02	8.0720e+02	3.1750e+02	-1.2974e+02
104	539	-7.9941e-02	3.0834e-01	-9.5328e-02	8.4775e+02	8.6456e+01	6.6946e+01
	559	-7.9941e-02	2.3963e-01	-1.6315e-01	9.0240e+02	1.5586e+02	-6.2725e+01
	560	7.7010e-01	2.3963e-01	-2.8841e-01	5.3872e+02	8.9561e+01	-4.3115e+01
	540	7.7010e-01	3.0834e-01	-2.2060e-01	5.9713e+02	1.4241e+02	8.6556e+01
105	538	2.2387e-01	-8.5223e-02	-1.6578e-01	8.4239e+02	3.4946e+01	-4.1781e+01
	558	2.2387e-01	-8.7822e-02	-2.2569e-01	7.5628e+02	1.2821e+01	2.2103e+01
	559	-7.9941e-02	-8.7822e-02	-1.4741e-01	9.1754e+02	1.0224e+02	1.3907e+01
	539	-7.9941e-02	-8.5223e-02	-8.7495e-02	9.7808e+02	8.7169e+01	-4.9976e+01
106	537	-7.3355e-01	-8.8588e-01	-3.7983e-01	1.0141e+02	-7.1470e+02	-1.4930e+02
	557	-7.3355e-01	-6.2465e-01	-2.8558e-01	8.2016e+01	-7.3002e+02	1.3145e+02
	558	2.2387e-01	-6.2465e-01	-2.5538e-01	6.6390e+02	5.2963e+02	1.3577e+02
	538	2.2387e-01	-8.8588e-01	-3.4963e-01	6.8167e+02	5.1014e+02	-1.4498e+02
107	411	-7.6131e-02	1.8778e-16	4.6364e-02	-1.0605e+03	1.5586e+01	4.9985e+01
	555	-7.6131e-02	-4.1404e-03	4.6515e-02	8.3450e+02	-6.4232e+01	5.4862e+01
	556	-1.2179e-01	-4.1404e-03	2.0552e-02	8.1582e+02	7.4177e+01	7.2658e+00
	61	-1.2179e-01	8.0707e-17	2.0401e-02	-1.0184e+03	3.3935e+01	2.3896e+00
108	409	-6.3154e-02	-2.3346e-16	1.1320e-01	-1.0609e+03	1.6435e+01	3.8778e+01
	554	-6.3154e-02	1.5147e-04	1.1684e-01	8.6768e+02	-1.3391e+01	3.6257e+01
	555	-7.6131e-02	1.5147e-04	7.4544e-02	8.5303e+02	-5.9001e+00	-3.6059e+01
	411	-7.6131e-02	-1.4601e-16	7.0904e-02	-1.0601e+03	1.6679e+01	-3.3538e+01
109	187	-5.2432e-02	0.0000e+00	1.3815e-01	-1.0617e+03	2.2049e+01	4.4638e+01
	553	-5.2432e-02	7.0445e-04	1.6016e-01	8.7947e+02	8.1228e+00	4.2925e+01

	554	-6.3154e-02	7.0445e-04	1.4818e-01	8.4674e+02	-4.4593e+01	-4.8959e+01
	409	-6.3154e-02	0.0000e+00	1.2617e-01	-1.0373e+03	1.6630e+01	-4.7247e+01
110	407	-4.3741e-02	-3.5871e-16	1.7635e-01	-1.0396e+03	1.7549e+01	4.3403e+01
	552	-4.3741e-02	2.6353e-03	2.2486e-01	8.5373e+02	-6.2835e+00	4.2734e+01
	553	-5.2432e-02	2.6353e-03	1.9030e-01	8.4616e+02	-3.1211e+01	-4.8489e+01
	187	-5.2432e-02	-2.8678e-16	1.4179e-01	-1.0355e+03	1.4741e+01	-4.7820e+01
111	406	-5.0177e-02	3.6323e-16	1.7709e-01	-1.0173e+03	1.7470e+01	5.9445e+01
	551	-5.0177e-02	-8.5737e-04	2.5326e-01	8.3048e+02	-4.5988e+01	5.9956e+01
	552	-4.3741e-02	-8.5737e-04	2.5181e-01	8.4694e+02	-1.1272e+01	-4.9995e+01
	407	-4.3741e-02	3.6017e-16	1.7564e-01	-1.0314e+03	2.0883e+01	-5.0506e+01
112	186	-5.3237e-02	1.3491e-33	2.2038e-01	-1.0389e+03	1.4048e+01	3.8855e+01
	550	-5.3237e-02	8.3942e-04	3.1230e-01	8.5928e+02	-2.7757e+01	3.9246e+01
	551	-5.0177e-02	8.3942e-04	2.7835e-01	8.8542e+02	1.0271e+01	-3.0489e+01
	406	-5.0177e-02	1.0398e-33	1.8643e-01	-1.0628e+03	1.7703e+01	-3.0880e+01
113	400	-1.4481e-02	-1.9410e-33	2.3255e-01	-1.0012e+03	2.0429e+01	2.7048e+01
	549	-1.4481e-02	5.2813e-03	3.5289e-01	8.4463e+02	9.1882e+00	2.3999e+01
	550	-5.3237e-02	5.2813e-03	3.4888e-01	8.6822e+02	-2.4308e+01	-4.3543e+01
	186	-5.3237e-02	-1.8097e-33	2.2854e-01	-1.0412e+03	1.4721e+01	-4.0494e+01
114	399	2.3053e-02	-2.6042e-33	3.2894e-01	-7.5495e+02	3.7180e+01	-2.4593e+01
	548	2.3053e-02	-3.0845e-02	4.8453e-01	6.5464e+02	6.5234e+01	-3.5857e+01
	549	-1.4481e-02	-3.0845e-02	4.0045e-01	8.3197e+02	-4.3132e+01	-6.7281e+01
	400	-1.4481e-02	-1.8539e-33	2.4485e-01	-9.8409e+02	1.2248e+01	-5.6018e+01
115	60	-9.9523e-01	1.2346e-16	8.5884e-01	7.3652e+01	-7.6898e+00	-1.0156e+02
	547	-9.9523e-01	-7.3270e-01	6.7946e-01	-3.5838e+01	-2.2593e+02	-1.1000e+02
	548	2.3053e-02	-7.3270e-01	3.9425e-01	7.1270e+02	1.9788e+02	-1.5764e+02
	399	2.3053e-02	6.0825e-17	5.7363e-01	-7.2146e+02	1.4165e+01	-1.4920e+02
116	91	4.8978e-02	0.0000e+00	-2.4969e-01	-6.8697e+02	2.8357e+01	1.7922e+02
	546	4.8978e-02	-9.3389e-01	4.1219e-01	6.3912e+02	4.7085e+02	1.7828e+02
	547	-9.9523e-01	-9.3389e-01	-1.3488e-01	-2.2679e+02	-6.4164e+02	2.4647e+01
	60	-9.9523e-01	0.0000e+00	-7.9675e-01	1.7503e+02	-5.1055e+01	2.5590e+01
117	168	-7.5088e-02	0.0000e+00	-2.4146e-01	-8.3859e+02	3.3215e+01	-7.6702e+00
	545	-7.5088e-02	-4.8497e-02	-9.3048e-02	6.5094e+02	3.7592e+01	-4.2413e+00
	546	4.8978e-02	-4.8497e-02	1.9042e-01	6.2356e+02	7.8099e+01	3.8820e+01
	91	4.8978e-02	0.0000e+00	4.2009e-02	-7.9698e+02	4.0966e+01	3.5391e+01
118	1	1.9987e+00	5.1132e-16	4.8921e-01	-2.1025e+02	3.2089e+01	-1.4884e+02
	544	1.9987e+00	2.8858e-01	7.3831e-01	2.8793e+02	1.1538e+01	-1.8485e+02
	545	-7.5088e-02	2.8858e-01	6.7207e-02	6.9390e+02	6.8365e+01	-1.3516e+02
	168	-7.5088e-02	-1.8777e-16	-1.8190e-01	-7.9993e+02	8.8454e+00	-9.9144e+01
119	421	1.8560e-01	-6.4527e-32	1.9024e-01	-8.1246e+02	2.1028e+01	5.0446e+01
	542	1.8560e-01	-2.7224e-01	-9.0283e-03	5.7675e+02	1.4341e+02	9.1121e+01
	543	-1.1076e+00	-2.7224e-01	4.2264e-02	3.1223e+02	-2.2222e+01	1.9395e+02
	58	-1.1076e+00	-1.4398e-31	2.4153e-01	-3.2114e+02	2.6398e+01	1.5327e+02
120	536	-1.1141e+00	2.4834e-16	-1.1558e-01	-2.1632e+02	2.9103e+01	-1.5652e+02
	541	-1.1141e+00	-3.1088e-01	-5.0281e-03	2.1572e+02	-8.3269e+01	-2.0601e+02
	542	1.8560e-01	-3.1088e-01	3.6869e-02	5.5148e+02	2.1543e+02	-1.1513e+02
	421	1.8560e-01	1.5496e-16	-7.3678e-02	-7.8180e+02	2.4757e+01	-6.5645e+01
121	398	-8.4859e-02	-6.3218e-33	9.3472e-02	-1.0093e+03	1.6777e+01	5.9859e+01
	539	-8.4859e-02	3.0834e-01	-1.9600e-02	7.2267e+02	1.3453e+01	1.0740e+02
	540	4.0682e-01	3.0834e-01	-1.5320e-01	6.1861e+02	1.3692e+02	1.9821e+02
	412	4.0682e-01	2.9301e-32	-4.0131e-02	-6.8003e+02	5.6915e+01	1.5067e+02
122	413	6.2369e-02	1.0179e-16	5.2304e-02	-8.1650e+02	3.5084e+01	-4.5630e+01
	538	6.2369e-02	-8.5223e-02	-1.2633e-01	6.2517e+02	2.8820e+01	-7.0896e+01
	539	-8.4859e-02	-8.5223e-02	-1.1767e-02	6.7135e+02	4.0444e+01	-5.7203e+01
	398	-8.4859e-02	3.4188e-16	1.6687e-01	-9.8013e+02	2.2397e+01	-3.1937e+01
123	53	-9.5584e-01	-4.5646e-32	7.3749e-01	1.7888e+02	-4.6054e+01	-1.0394e+01
	537	-9.5584e-01	-8.8588e-01	1.8281e-01	-2.1107e+02	-5.9905e+02	-1.0010e+01
	538	6.2369e-02	-8.8588e-01	-3.1018e-01	6.6211e+02	4.1826e+02	-1.7209e+02

	413	6.2369e-02	-2.4767e-32	2.4450e-01	-6.9271e+02	2.1890e+01	-1.7248e+02
251	394	-2.4159e-02	-3.5408e-03	1.1978e-01	3.0143e+00	-9.1113e-01	-1.3332e+00
	397	-2.4159e-02	-1.4074e-16	6.3612e-02	1.6490e+00	-2.6671e+00	3.1486e+00
	504	-1.0552e-01	-1.4074e-16	-1.6161e-02	1.4172e+01	2.1951e+00	2.8669e+00
	395	-1.0552e-01	-3.5408e-03	4.0003e-02	8.6704e-01	9.2594e-01	-1.6150e+00
252	393	2.5584e-02	-1.3733e-02	1.3282e-01	3.0399e+00	-9.1150e-01	-6.9726e-01
	396	2.5584e-02	2.5427e-16	1.0988e-01	5.1019e-01	3.3628e-02	-1.1320e+00
	397	-2.4159e-02	2.5830e-16	1.1689e-01	5.5020e-01	-2.0961e-01	-1.8135e-01
	394	-2.4159e-02	-1.3733e-02	1.3983e-01	1.9934e+00	-9.0696e-01	2.5339e-01
253	392	-1.0181e-02	-7.6689e-03	7.3782e-02	2.2319e+00	1.4279e+00	1.6004e+00
	503	-1.0181e-02	1.4074e-16	2.8839e-02	2.0909e+01	3.3433e+00	-5.2404e+00
	396	2.5584e-02	1.4074e-16	7.4190e-02	2.4291e+00	-3.9628e+00	-5.6803e+00
	393	2.5584e-02	-7.6689e-03	1.1913e-01	4.8744e+00	-1.2873e+00	1.1605e+00
254	389	-7.6113e-02	-2.8951e-02	8.9518e-02	-3.8563e+00	1.9080e-02	-1.2339e+00
	394	-7.6113e-02	-3.5408e-03	1.2263e-01	9.3113e-01	2.3634e-01	-1.3994e+00
	395	-2.5362e-01	-3.5408e-03	4.1627e-02	6.5034e-01	-6.1570e-01	-2.7769e+00
	391	-2.5362e-01	-2.8951e-02	8.5182e-03	-3.9586e+00	1.9816e+00	-2.6115e+00
255	379	6.1823e-02	-1.7450e-02	9.6953e-02	-1.5845e+00	1.6995e+00	2.0523e+00
	393	6.1823e-02	-1.3733e-02	1.4166e-01	5.4920e-01	-5.9262e-01	1.3802e+00
	394	-7.6113e-02	-1.3733e-02	1.4268e-01	7.7362e-02	-5.9790e-01	-1.3000e+00
	389	-7.6113e-02	-1.7450e-02	9.7965e-02	-2.6687e+00	1.7406e+00	-6.2785e-01
256	377	2.0712e-01	1.7842e-02	1.1607e-03	-2.6139e+00	9.6154e-01	3.2192e+00
	392	2.0712e-01	-7.6689e-03	4.9458e-02	2.7534e+00	-8.5879e-01	2.8949e+00
	393	6.1823e-02	-7.6689e-03	1.2798e-01	1.8358e+00	3.4348e-01	1.7794e+00
	379	6.1823e-02	1.7842e-02	7.9682e-02	-2.4472e+00	4.5050e-01	2.1037e+00
257	390	3.5011e-02	2.6982e-03	1.4070e-01	-3.8404e+00	6.9077e+00	9.9340e+00
	389	3.2770e-02	-2.9722e-02	2.3604e-02	-8.1392e+00	2.6033e+00	-4.8223e-01
	391	-7.0897e-01	-2.7453e-02	1.3744e-01	-3.0902e+00	-1.7560e+00	-8.0168e-01
	12	-7.1121e-01	4.9241e-03	2.5427e-01	-3.2714e+01	-5.1088e+00	9.3878e+00
258	387	-3.0218e-02	6.4774e-04	3.1887e-02	-1.0258e+00	4.2100e-01	7.0614e-01
	379	-3.0326e-02	-1.6173e-02	3.7515e-02	-3.7115e+00	1.9767e+00	7.0797e-02
	389	3.2877e-02	-1.6429e-02	2.4546e-02	-5.1543e+00	1.8352e+00	2.0644e+00
	390	3.2770e-02	3.9043e-04	1.9085e-02	-9.2082e-01	2.9349e-02	2.6490e+00
259	11	5.6836e-01	-5.4569e-30	2.0847e-01	-1.9095e+01	-2.9386e+00	-3.9300e+00
	377	5.6836e-01	1.7842e-02	8.8503e-02	-2.1894e+00	-1.2289e+00	2.0065e+00
	379	-3.7870e-02	1.7842e-02	2.4070e-02	-5.2631e+00	1.9235e+00	2.0145e+00
	387	-3.7870e-02	-2.5552e-30	1.4404e-01	-2.2774e+00	3.6196e+00	-3.9220e+00
260	360	6.0354e-02	-3.0568e-02	3.9513e-02	6.6566e+00	3.6936e-01	1.2480e+00
	374	6.0354e-02	0.0000e+00	1.6161e-01	6.4834e+00	-6.7335e+00	5.6681e+00
	502	5.3060e-01	0.0000e+00	2.7349e-01	1.6412e+01	7.4912e+00	6.1596e+00
	365	5.3060e-01	-3.0568e-02	1.5139e-01	1.2013e+00	-1.5544e+00	1.7395e+00
261	359	3.6836e-02	5.1229e-02	8.3287e-02	6.2263e+00	-4.2114e-01	1.0616e+00
	372	3.6836e-02	0.0000e+00	-4.1184e-03	1.7711e+00	-3.1299e+00	3.7052e+00
	374	6.0354e-02	0.0000e+00	2.3401e-02	4.3251e+00	2.6543e+00	3.6037e+00
	360	6.0354e-02	5.1229e-02	1.1081e-01	6.3479e+00	3.4659e-01	9.6008e-01
262	342	1.2960e-01	4.1770e-02	1.5923e-01	5.9290e+00	-3.7330e-01	1.1319e+00
	501	1.2960e-01	0.0000e+00	-3.1535e-03	-2.0203e+00	-3.2257e+00	3.4685e+00
	372	3.6836e-02	-4.2067e-30	-7.7535e-02	7.0046e-01	2.2764e+00	3.2733e+00
	359	3.6836e-02	4.1770e-02	8.4847e-02	5.5732e+00	1.9529e-01	9.3677e-01
263	351	6.2668e-02	3.3576e-02	6.5822e-02	8.0165e+00	-5.7296e-01	-8.6901e-01
	360	6.2668e-02	-3.0568e-02	5.9489e-02	6.9527e+00	6.7319e-02	3.8702e-01
	365	3.7215e-02	-3.0568e-02	-1.4443e-02	9.7414e+00	-3.9566e-01	4.6614e-01
	358	3.7215e-02	3.3576e-02	-8.1098e-03	6.4991e+00	-6.8070e-02	-7.8989e-01
264	345	6.6405e-02	-4.8789e-02	1.1990e-01	9.7960e+00	8.8394e-01	-1.2762e-01
	359	6.6405e-02	5.1229e-02	1.4267e-01	4.6220e+00	6.2174e-01	6.9714e-02
	360	6.2668e-02	5.1229e-02	1.3078e-01	6.1731e+00	-1.3361e+00	-3.2947e-01
	351	6.2668e-02	-4.8789e-02	1.0801e-01	8.4447e+00	-2.0698e-02	-5.2680e-01

265	336	6.7048e-02	2.0326e-02	1.3902e-01	7.9284e+00	-9.5203e-01	-8.1171e-01
	342	6.7048e-02	4.1770e-02	1.4407e-01	4.8000e+00	2.7938e-03	4.7306e-01
	359	6.6405e-02	4.1770e-02	1.4423e-01	4.2885e+00	-1.2732e+00	-2.0892e-02
	345	6.6405e-02	2.0326e-02	1.3919e-01	9.7402e+00	1.6337e+00	-1.3057e+00
266	357	-1.0738e-02	7.7535e-31	9.1834e-02	7.8775e+00	-3.3573e-01	-3.3210e-01
	351	-1.0738e-02	3.3576e-02	2.8272e-02	1.1095e+01	2.1575e-01	-4.7068e-01
	358	-2.5786e-01	3.3576e-02	8.3670e-02	1.0353e+01	-3.6162e-01	-4.0735e-01
	120	-2.5786e-01	1.2431e-30	1.4723e-01	8.4792e+00	-6.0391e-02	-2.6877e-01
267	346	1.9910e-02	0.0000e+00	8.1936e-02	1.8194e+01	6.2554e+00	2.8265e+00
	345	1.9910e-02	-4.8789e-02	1.3426e-01	4.9860e+00	-1.1517e-01	-1.6811e-01
	351	-1.0738e-02	-4.8789e-02	7.0461e-02	1.0938e+01	2.7388e-02	-3.8942e-01
	357	-1.0738e-02	0.0000e+00	1.8137e-02	9.2109e+00	-5.4685e+00	2.6052e+00
268	14	2.0210e-02	1.5831e-30	3.6318e-02	7.5817e+00	-5.9458e+00	-3.4843e+00
	336	2.0210e-02	2.0326e-02	8.6397e-02	1.2965e+01	1.1535e+00	-7.6990e-01
	345	1.9910e-02	2.0326e-02	1.5355e-01	5.2261e+00	-1.1433e+00	-9.0101e-01
	346	1.9910e-02	9.0705e-31	1.0347e-01	1.8068e+01	6.4742e+00	-3.6154e+00
269	341	2.3076e-02	-7.4568e-03	8.0731e-02	2.6402e+00	-2.1805e-02	1.2716e+00
	344	2.3076e-02	-3.1486e-16	1.0064e-01	5.5465e-01	5.5803e-01	1.2547e+00
	501	1.2960e-01	-6.3299e-16	1.3972e-01	-2.0373e+00	-3.6650e-01	1.5362e+00
	342	1.2960e-01	-7.4568e-03	1.1981e-01	5.2045e+00	-4.7483e-01	1.5531e+00
270	340	1.9708e-02	-2.3218e-02	3.5814e-02	3.0805e+00	2.6830e-01	1.9498e+00
	343	1.9708e-02	0.0000e+00	3.7646e-02	4.4335e-01	1.0393e-01	1.8275e+00
	344	2.3076e-02	0.0000e+00	6.7427e-02	7.4364e-01	7.8706e-02	1.7757e+00
	341	2.3076e-02	-2.3218e-02	6.5595e-02	2.5800e+00	4.1118e-02	1.8980e+00
271	337	-1.8580e-01	-4.7949e-03	6.6077e-02	2.1761e+00	1.6498e-02	1.9351e+00
	500	-1.8580e-01	-1.5215e-16	8.4899e-02	2.5756e+00	5.4925e-01	1.3857e+00
	343	1.9708e-02	-5.2883e-16	4.1838e-02	7.6201e-01	-5.2760e-01	1.4809e+00
	340	1.9708e-02	-4.7949e-03	2.3016e-02	3.0907e+00	-2.2757e-01	2.0303e+00
272	330	6.9456e-02	-4.8764e-02	1.3160e-01	7.1844e+00	1.3478e+00	5.8402e-01
	341	6.9456e-02	-7.4568e-03	9.2693e-02	3.7219e+00	3.6589e-01	1.3132e+00
	342	6.7048e-02	-7.4568e-03	1.0465e-01	4.3882e+00	-7.2061e-02	5.7174e-01
	336	6.7048e-02	-4.8764e-02	1.4356e-01	7.7112e+00	7.5846e-01	-1.5742e-01
273	321	6.4682e-02	1.9760e-02	1.1337e-01	5.5243e+00	1.7556e+00	1.2945e+00
	340	6.4682e-02	-2.3218e-02	3.9365e-02	3.2613e+00	7.1114e-02	2.2415e+00
	341	6.9456e-02	-2.3218e-02	7.7557e-02	3.6441e+00	8.7680e-01	1.6877e+00
	330	6.9456e-02	1.9760e-02	1.5156e-01	6.6911e+00	5.4596e-01	7.4075e-01
274	320	-6.6884e-03	-3.7875e-02	2.0315e-02	2.7686e+00	9.2614e-01	8.8718e-01
	337	-6.6884e-03	-4.7949e-03	1.6809e-02	3.6447e+00	-4.5921e-01	1.9501e+00
	340	6.4682e-02	-4.7949e-03	2.6567e-02	3.6897e+00	1.0852e-01	2.2747e+00
	321	6.4682e-02	-3.7875e-02	3.0073e-02	4.4630e+00	-2.0703e+00	1.2118e+00
275	335	2.6704e-01	-4.8306e-16	2.4044e-01	2.1998e+01	3.4547e+00	1.2446e+00
	330	2.6704e-01	-4.8764e-02	2.5307e-01	2.8891e+00	1.6669e+00	-1.2364e+00
	336	2.0210e-02	-4.8764e-02	9.0930e-02	1.3197e+01	9.9465e-01	-1.6545e-01
	14	2.0210e-02	-1.4257e-16	7.8297e-02	7.6299e+00	-3.4111e+00	2.3155e+00
276	326	2.6489e-03	-1.5280e-30	-2.9260e-01	3.5777e+00	-5.8692e+00	-7.5121e+00
	321	2.6489e-03	1.9760e-02	1.5441e-02	7.9706e+00	1.6258e-01	-5.8371e-01
	330	2.6704e-01	1.9760e-02	2.7303e-01	1.7234e+00	2.5817e+00	5.3357e-01
	335	2.6704e-01	-1.8285e-31	-3.5014e-02	2.1162e+01	5.8823e+00	-6.3948e+00
277	13	1.3880e-01	2.1381e-16	1.1167e-01	-7.3295e+00	-3.0039e+00	-4.6337e+00
	320	1.3880e-01	-3.7875e-02	1.1044e-01	6.0017e+00	-7.5448e-01	-2.7228e-02
	321	2.6489e-03	-3.7875e-02	-6.7854e-02	5.8513e+00	-8.3940e-01	-7.9728e-01
	326	2.6489e-03	-1.5823e-16	-6.6621e-02	3.5876e-01	3.2923e+00	-5.4038e+00
278	294	-2.6823e-03	2.7012e-02	-1.9296e-02	-6.7263e-01	1.4722e-02	4.1962e-04
	297	-2.6823e-03	0.0000e+00	-1.0629e-03	2.9204e-02	-5.7306e-02	3.6252e-02
	499	-1.4248e-01	0.0000e+00	-4.9482e-02	2.2657e-01	1.8781e-01	8.1464e-02
	295	-1.4248e-01	2.7012e-02	-6.7715e-02	-8.3677e-01	-7.9250e-02	4.5631e-02
279	293	5.6641e-02	5.6844e-03	-7.9358e-02	-6.5844e-01	-4.7727e-02	1.4213e-03

	296	5.6641e-02	-1.5498e-15	-1.0262e-02	-2.9372e-02	1.9358e-02	2.5269e-02
	297	-2.6823e-03	4.3859e-16	2.5258e-02	-6.4560e-03	8.7810e-02	5.0395e-02
	294	-2.6823e-03	5.6844e-03	-4.3838e-02	-6.5924e-01	4.6507e-02	2.6548e-02
280	292	3.2520e-01	-2.4588e-02	-3.9635e-02	-6.1197e-01	-5.1781e-02	3.8155e-02
	498	3.2520e-01	0.0000e+00	-1.1838e-01	-8.9490e-02	1.3996e-02	3.9401e-02
	296	5.6641e-02	4.6756e-30	-1.1555e-01	-4.2674e-02	7.1748e-02	6.7509e-02
	293	5.6641e-02	-2.4588e-02	-3.6801e-02	-6.5763e-01	1.6276e-02	6.6262e-02
281	289	6.0966e-02	-4.8971e-02	-2.4778e-02	-1.5476e+00	1.3088e-01	1.6105e-01
	294	6.0966e-02	2.7012e-02	-4.1018e-02	-9.2520e-01	8.6666e-02	-2.6642e-02
	295	3.9918e-02	2.7012e-02	-2.5951e-02	-5.6978e-01	1.6045e-01	1.3185e-02
	291	3.9918e-02	-4.8971e-02	-9.7112e-03	-2.0771e+00	-5.5569e-02	2.0087e-01
282	286	5.0943e-02	3.6348e-02	-1.0887e-01	-1.4222e+00	-1.7376e-02	8.2250e-02
	293	5.0943e-02	5.6844e-03	-1.0651e-01	-9.2582e-01	1.3978e-01	1.7082e-02
	294	6.0966e-02	5.6844e-03	-6.5561e-02	-9.6118e-01	9.8916e-02	4.8842e-03
	289	6.0966e-02	3.6348e-02	-6.7914e-02	-1.4473e+00	3.0869e-01	7.0052e-02
283	285	1.6924e-02	5.5876e-03	6.7044e-03	-1.3815e+00	-1.0162e-01	1.0498e-01
	292	1.6924e-02	-2.4588e-02	1.8528e-02	-8.9883e-01	4.4962e-02	5.3221e-02
	293	5.0943e-02	-2.4588e-02	-6.3956e-02	-9.1663e-01	8.7396e-02	7.2150e-02
	286	5.0943e-02	5.5876e-03	-7.5779e-02	-1.4117e+00	1.5232e-01	1.2391e-01
284	290	5.5469e-02	-4.4966e-31	-4.8794e-02	-2.1249e+00	1.5380e+00	1.0971e+00
	289	5.5469e-02	-4.8971e-02	1.3669e-02	-1.7991e+00	7.3239e-02	2.4710e-01
	291	3.8425e-01	-4.8971e-02	-1.3568e-01	-5.6378e-01	3.8632e-01	4.0071e-01
	20	3.8425e-01	-1.8260e-30	-1.9814e-01	-4.1483e+00	-1.7411e+00	1.2507e+00
285	288	-1.3627e-02	-5.3087e-17	-1.8728e-02	-1.2716e+00	5.7993e-01	5.5454e-01
	286	-1.3627e-02	3.6348e-02	-9.4806e-02	-1.8836e+00	2.0643e-01	1.7084e-01
	289	5.5469e-02	3.6348e-02	-2.9467e-02	-1.7965e+00	8.1273e-02	2.0593e-01
	290	5.5469e-02	8.3011e-17	4.6611e-02	-1.7145e+00	-4.4358e-01	5.8963e-01
286	19	-1.4124e-01	2.1360e-04	1.5840e-02	-1.3133e+00	3.6743e-02	2.3589e-01
	285	-1.4117e-01	6.2962e-03	2.2837e-02	-1.6067e+00	3.2684e-02	1.7367e-01
	286	-1.4221e-02	5.4000e-03	-6.3938e-02	-1.8469e+00	3.4689e-02	1.5772e-01
	288	-1.4150e-02	-6.5512e-04	-7.0913e-02	-1.1301e+00	9.4328e-02	2.2291e-01
287	281	3.5692e-03	-2.9436e-03	-3.8661e-02	-1.7164e+00	-9.3901e-02	3.2825e-02
	284	3.5692e-03	-3.3286e-16	-4.2971e-02	-1.2949e+00	1.5496e+00	-1.1652e+00
	497	9.8438e-03	-1.5167e-16	-1.1504e-02	-4.9809e+00	-1.5793e+00	-1.2613e+00
	282	9.8438e-03	-2.9436e-03	-7.1932e-03	4.1571e-01	3.6057e-01	-6.3289e-02
288	280	-1.9478e-02	-8.3155e-04	-2.1252e-02	-1.3767e+00	2.8775e-01	1.2418e-01
	283	-1.9478e-02	2.1554e-17	-2.5677e-02	-6.9770e-01	2.0581e-01	-1.3236e-01
	284	3.5692e-03	-8.3882e-17	-4.2458e-02	-7.4125e-01	-1.0118e-01	-2.2597e-01
	281	3.5692e-03	-8.3155e-04	-3.8033e-02	-1.6659e+00	1.0557e-01	3.0576e-02
289	279	-9.4573e-02	-7.0996e-03	-1.8053e-02	-1.6512e-01	1.7218e-01	9.5227e-02
	496	-9.4573e-02	-3.3236e-16	2.0440e-02	-2.4530e+00	-5.9568e-01	4.6778e-01
	283	-1.9478e-02	9.4039e-17	1.2124e-02	-8.7200e-01	6.1041e-01	3.9694e-01
	280	-1.9478e-02	-7.0996e-03	-2.6370e-02	-1.2629e+00	6.1008e-02	2.4395e-02
290	276	2.5752e-02	-1.0257e-02	-2.1276e-02	-8.7568e-02	1.0653e-02	2.8324e-01
	281	2.5752e-02	-2.9436e-03	-3.4783e-02	-5.1656e-01	-6.6709e-02	1.2327e-01
	282	9.7113e-02	-2.9436e-03	-4.7366e-03	-1.3850e+00	2.1175e-01	1.7888e-01
	278	9.7113e-02	-1.0257e-02	8.7703e-03	5.7335e-01	-3.7117e-02	3.3885e-01
291	274	-6.8047e-02	-1.6175e-02	-4.1758e-02	-8.7360e-02	-3.5069e-02	1.6409e-01
	280	-6.8047e-02	-8.3155e-04	-2.8147e-02	-3.9405e-01	6.7915e-02	1.1335e-01
	281	2.5752e-02	-8.3155e-04	-3.4156e-02	-3.5317e-01	3.0098e-01	2.6988e-01
	276	2.5752e-02	-1.6175e-02	-4.7767e-02	-1.9404e-01	-7.8781e-02	3.2061e-01
292	273	-1.2557e-01	1.3022e-02	7.0930e-03	4.8203e-01	-7.9297e-02	1.2835e-01
	279	-1.2557e-01	-7.0996e-03	-1.0328e-02	-8.1787e-01	4.9093e-02	4.1820e-02
	280	-6.8047e-02	-7.0996e-03	-3.3265e-02	-4.6268e-01	1.1390e-01	1.0488e-01
	274	-6.8047e-02	1.3022e-02	-1.5843e-02	1.4610e-02	4.7801e-02	1.9142e-01
293	277	1.0084e-02	-6.5109e-17	-2.7303e-02	7.2574e-01	-7.6526e-01	-2.7889e-01
	276	1.0084e-02	-1.0257e-02	7.5461e-04	8.1561e-01	1.6512e-02	2.6441e-01

	278	1.8252e-01	-1.0257e-02	-1.6367e-02	-3.9567e-01	-1.5612e-01	2.1225e-01
	18	1.8252e-01	-9.8093e-17	-4.4424e-02	2.6417e+00	7.8653e-01	-3.3105e-01
294	275	-2.0477e-02	-7.5110e-17	4.0168e-02	4.8751e-01	-1.4945e-02	2.8643e-01
	274	-2.0477e-02	-1.6175e-02	-1.2150e-02	8.3652e-01	-1.1359e-01	2.7683e-01
	276	1.0084e-02	-1.6175e-02	-2.5736e-02	8.5163e-01	-7.8840e-02	2.3080e-01
	277	1.0084e-02	-4.6274e-17	2.6582e-02	4.5996e-01	-3.5512e-02	2.4040e-01
295	17	-3.0361e-01	-2.4256e-16	-1.1689e-01	2.6720e+00	8.0988e-01	8.5906e-01
	273	-3.0361e-01	1.3022e-02	-6.8916e-02	-3.1731e-01	-1.9983e-01	2.5943e-01
	274	-2.0477e-02	1.3022e-02	1.3765e-02	8.1832e-01	6.2074e-02	2.0784e-01
	275	-2.0477e-02	-7.8628e-17	-3.4208e-02	7.5866e-01	-7.8853e-01	8.0747e-01
296	268	9.4186e-03	-2.1109e-03	-3.4834e-02	-1.8983e+00	-8.2025e-03	3.9035e-01
	272	9.4186e-03	-2.8147e-16	-2.7414e-02	-1.5957e+00	1.5629e+00	-6.9833e-01
	495	5.0791e-02	-2.8147e-16	4.9483e-03	-5.5252e+00	-1.5942e+00	-8.1593e-01
	269	5.0791e-02	-2.1109e-03	-2.4717e-03	6.1933e-01	3.3957e-01	2.7275e-01
297	267	-1.5889e-02	1.6650e-03	-2.0774e-02	-2.0909e+00	2.3490e-01	4.0688e-01
	271	-1.5889e-02	2.8147e-16	-2.7581e-02	-1.1286e+00	-1.2005e-02	5.2136e-01
	272	9.4186e-03	2.8147e-16	-4.0579e-02	-1.0675e+00	1.3957e-01	4.0568e-01
	268	9.4186e-03	1.6650e-03	-3.3772e-02	-2.0035e+00	2.4945e-01	2.9120e-01
298	266	-8.3586e-02	-6.1054e-03	-2.2999e-02	7.1781e-01	4.8251e-01	4.1503e-01
	494	-8.3586e-02	0.0000e+00	1.4428e-02	-6.5501e+00	-2.0115e+00	1.9129e+00
	271	-1.5889e-02	0.0000e+00	8.0254e-03	-1.8119e+00	1.9629e+00	1.7865e+00
	267	-1.5889e-02	-6.1054e-03	-2.9401e-02	-2.0777e+00	-1.4118e-01	2.8859e-01
299	231	4.0523e-02	-1.7618e-02	-1.9335e-02	9.0218e-01	1.2214e-01	9.6333e-02
	268	4.0523e-02	-2.1109e-03	-2.8138e-02	-2.9610e-02	2.2721e-02	3.9186e-01
	269	1.0962e-01	-2.1109e-03	-4.7630e-03	-1.3007e+00	8.5577e-02	5.1319e-01
	237	1.0962e-01	-1.7618e-02	4.0398e-03	2.5565e+00	-3.8802e-01	2.1766e-01
300	229	-5.8547e-02	6.4196e-03	-4.2558e-02	6.0979e-01	-1.6426e-01	1.9445e-02
	267	-5.8547e-02	1.6650e-03	-2.8938e-02	2.5758e-02	1.7900e-01	1.2050e-01
	268	4.0523e-02	1.6650e-03	-2.7076e-02	1.8126e-01	1.5918e-01	4.5253e-01
	231	4.0523e-02	6.4196e-03	-4.0696e-02	5.8536e-01	-5.2158e-01	3.5148e-01
301	228	-1.2498e-01	5.4326e-03	1.3517e-02	1.6813e+00	-1.1056e-01	-1.0093e-01
	266	-1.2498e-01	-6.1054e-03	-1.1987e-02	-1.3730e+00	2.1611e-01	9.4507e-02
	267	-5.8547e-02	-6.1054e-03	-3.7566e-02	-2.1447e-01	-1.0667e-01	2.2492e-01
	229	-5.8547e-02	5.4326e-03	-1.2062e-02	7.7621e-01	-1.8220e-01	2.9486e-02
302	232	1.1722e-02	0.0000e+00	-3.7320e-03	2.5149e+00	-2.9345e+00	-2.3141e+00
	231	1.1722e-02	-1.7618e-02	1.6369e-02	3.2695e+00	1.7671e-01	-5.5789e-02
	237	2.3225e-01	-1.7618e-02	-6.1314e-02	-8.0457e-01	-6.9123e-01	-2.4106e-01
	16	2.3225e-01	0.0000e+00	-8.1415e-02	9.5180e+00	2.9914e+00	-2.4994e+00
303	230	-1.9901e-02	-1.0179e-30	2.4064e-02	1.3928e+00	-3.5112e-01	-3.2773e-01
	229	-1.9901e-02	6.4196e-03	-2.7399e-02	2.7412e+00	-5.1863e-01	8.7883e-02
	231	1.1722e-02	6.4196e-03	-4.9914e-03	3.1997e+00	-2.3954e-01	-9.2647e-02
	232	1.1722e-02	-1.4694e-30	4.6472e-02	1.4733e+00	1.4972e-01	-5.0826e-01
304	15	-2.5378e-01	0.0000e+00	-7.8338e-02	5.4475e+00	1.4030e+00	9.6417e-01
	228	-2.5378e-01	5.4326e-03	-2.1137e-02	9.7738e-02	-3.7186e-01	5.2987e-02
	229	-1.9901e-02	5.4326e-03	3.0966e-03	2.5404e+00	-8.9611e-02	-9.1919e-02
	230	-1.9901e-02	0.0000e+00	-5.4104e-02	1.8231e+00	-1.4176e+00	8.1926e-01
305	224	3.4389e-03	-1.3162e-02	-9.2131e-03	4.1373e+00	-1.4936e+00	-1.5061e+00
	227	3.4389e-03	1.5548e-16	-6.8119e-02	2.0192e+00	-3.0982e+00	3.5570e+00
	493	-1.7599e-01	1.5012e-16	-6.6148e-02	1.6491e+01	2.5002e+00	3.4687e+00
	225	-1.7599e-01	-1.3162e-02	-7.2420e-03	1.3869e+00	1.0482e+00	-1.5944e+00
306	223	-1.6433e-03	-1.2433e-02	8.0718e-03	4.9731e+00	-1.6670e+00	-1.2712e+00
	226	-1.6433e-03	1.0047e-16	1.5005e-02	8.3544e-01	6.1197e-02	-2.0997e+00
	227	3.4389e-03	1.0041e-16	-5.0543e-03	8.7666e-01	-3.8639e-01	-4.7668e-01
	224	3.4389e-03	-1.2433e-02	-1.1987e-02	3.0138e+00	-1.4624e+00	3.5184e-01
307	222	2.6774e-02	-6.5843e-03	-3.1598e-02	3.8692e+00	1.9548e+00	1.5162e+00
	492	2.6774e-02	-2.1454e-16	6.8011e-03	2.9601e+01	4.7153e+00	-8.1049e+00
	226	-1.6433e-03	-2.5910e-16	3.7837e-02	3.5174e+00	-5.6054e+00	-8.5175e+00

	223	-1.6433e-03	-6.5843e-03	-5.6150e-04	7.6785e+00	-2.1319e+00	1.1035e+00
308	219	-2.5609e-02	-1.5749e-02	1.4356e-02	-3.2724e+00	-8.1821e-02	-8.9139e-01
	224	-2.5609e-02	-1.3162e-02	-5.8204e-03	1.6607e+00	-1.6266e-01	-1.4626e+00
	225	-9.7038e-02	-1.3162e-02	-9.6290e-03	1.4731e+00	-9.3075e-01	-2.6891e+00
	221	-9.7038e-02	-1.5749e-02	1.0547e-02	-4.4074e+00	1.1074e+00	-2.1179e+00
309	217	-9.4512e-03	-4.0433e-02	-1.4761e-02	-8.0202e-01	1.2294e+00	2.4650e+00
	223	-9.4512e-03	-1.2433e-02	-1.1326e-02	1.9923e+00	-1.4543e+00	1.5364e+00
	224	-2.5609e-02	-1.2433e-02	-8.5948e-03	8.1817e-01	-1.1256e+00	-1.3900e+00
	219	-2.5609e-02	-4.0433e-02	-1.2030e-02	-1.7779e+00	1.2467e+00	-4.6129e-01
310	216	-6.4668e-03	-7.4501e-03	2.9049e-03	-1.6458e+00	1.0246e+00	3.8700e+00
	222	-6.4668e-03	-6.5843e-03	-1.2411e-02	4.8273e+00	-1.2277e+00	3.2930e+00
	223	-9.4512e-03	-6.5843e-03	-1.9959e-02	3.5596e+00	9.6146e-02	1.9870e+00
	217	-9.4512e-03	-7.4501e-03	-4.6437e-03	-1.7138e+00	1.0025e-01	2.5640e+00
311	220	6.9703e-04	1.5211e-16	-7.6703e-02	-3.2197e+00	5.1189e+00	8.6735e+00
	219	6.9703e-04	-1.5749e-02	-2.4650e-02	-7.0278e+00	1.9493e+00	-1.1037e-01
	221	-2.4735e-01	-1.5749e-02	1.1602e-01	-3.5397e+00	-1.7865e+00	-4.8664e-01
	10	-2.4735e-01	-1.3120e-16	6.3971e-02	-2.7044e+01	-4.3060e+00	8.2972e+00
312	218	9.0378e-03	-2.4227e-17	-1.4917e-02	-8.4365e-01	3.2364e-01	1.1833e+00
	217	9.0378e-03	-4.0433e-02	-1.1995e-02	-3.1745e+00	1.4861e+00	5.8660e-01
	219	6.9703e-04	-4.0433e-02	-5.1036e-02	-4.5824e+00	1.5496e+00	2.1613e+00
	220	6.9703e-04	-1.0510e-16	-5.3958e-02	-8.1717e-01	-8.5518e-03	2.7579e+00
313	9	-6.5082e-02	1.0581e-16	-5.4661e-02	-1.8471e+01	-2.8217e+00	-3.0714e+00
	216	-6.5082e-02	-7.4501e-03	-6.3505e-03	-1.5245e+00	-1.1876e+00	2.6573e+00
	217	9.0378e-03	-7.4501e-03	-1.8772e-03	-4.4997e+00	1.5905e+00	2.5099e+00
	218	9.0378e-03	9.7132e-17	-5.0187e-02	-2.2326e+00	3.4792e+00	-3.2188e+00
314	210	8.0671e-02	1.0526e-02	-5.2817e-02	-4.0525e+00	3.1288e-01	-3.3492e-01
	215	8.0671e-02	2.6815e-16	2.8726e-01	-8.5966e+00	9.4824e+00	-7.1053e+00
	479	8.6831e-01	4.6459e-16	3.5314e-01	-3.4077e+01	-9.3023e+00	-7.9387e+00
	211	8.6831e-01	1.0526e-02	1.3062e-02	1.2257e+01	2.3284e+00	-1.1684e+00
315	209	3.2181e-02	8.7051e-02	-4.5270e-02	-6.6711e+00	2.9192e+00	5.2351e-01
	212	3.2181e-02	6.3672e-16	-1.0008e-01	-6.1591e+00	-4.1063e-01	2.3137e+00
	215	8.0671e-02	5.8402e-16	-1.7029e-02	-5.6797e+00	1.6855e+00	4.5846e-01
	210	8.0671e-02	8.7051e-02	3.7780e-02	-4.7256e+00	3.8342e+00	-1.3317e+00
316	208	1.6465e-01	4.3847e-02	-9.7210e-03	1.5849e+01	3.9833e+00	1.3063e+00
	478	1.6465e-01	-1.0399e-15	-1.3595e-01	-5.2933e+01	-1.6016e+01	1.4492e+01
	212	3.2181e-02	-1.1741e-15	-1.7105e-01	-1.2028e+01	1.6383e+01	1.3131e+01
	209	3.2181e-02	4.3847e-02	-4.4824e-02	-7.1954e+00	4.0274e-01	-5.4518e-02
317	205	3.4267e-01	6.9903e-02	1.5561e-01	2.2911e+01	-2.8939e+00	-1.7692e+00
	210	3.4267e-01	1.0526e-02	-4.7423e-02	1.2461e+01	6.8491e-01	-1.2192e+00
	211	4.2140e-01	1.0526e-02	-1.2560e-01	4.8943e+00	6.3804e-01	5.4225e-01
	207	4.2140e-01	6.9903e-02	7.7427e-02	3.1224e+01	-9.8466e-01	-7.7526e-03
318	203	7.5963e-02	-9.3764e-02	-4.3059e-02	2.9334e+01	1.2164e+00	-5.2927e-01
	209	7.5963e-02	8.7051e-02	9.8283e-03	8.9593e+00	4.3716e+00	-2.3581e+00
	210	3.4267e-01	8.7051e-02	4.3174e-02	1.2814e+01	2.4301e+00	-9.2137e-01
	205	3.4267e-01	-9.3764e-02	-9.7137e-03	2.3003e+01	1.3426e+00	9.0743e-01
319	202	-4.0933e-02	-1.9666e-02	-1.1507e-02	3.0122e+01	1.4986e+00	-3.1914e+00
	208	-4.0933e-02	4.3847e-02	2.2143e-02	3.7514e+00	4.4171e+00	-1.7414e-01
	209	7.5963e-02	4.3847e-02	1.0274e-02	7.0210e+00	3.8421e-01	-8.0896e-01
	203	7.5963e-02	-1.9666e-02	-2.3376e-02	3.0939e+01	5.1774e+00	-3.8262e+00
320	206	1.4500e-01	-9.0756e-16	-4.3420e-01	2.3325e+01	-1.4382e+01	-7.1184e+00
	205	1.4500e-01	6.9903e-02	5.2775e-02	5.2101e+01	1.2390e+00	9.7310e-01
	207	3.7537e-01	6.9903e-02	4.0529e-01	2.0078e+01	-5.8529e+00	-3.3087e-01
	6	3.7537e-01	-1.9926e-16	-8.1686e-02	6.6308e+01	1.3619e+01	-8.4223e+00
321	204	2.4031e-01	-4.2149e-16	2.0460e-01	8.0177e+01	2.1367e+01	1.6642e+01
	203	2.4031e-01	-9.3764e-02	-6.3251e-02	2.0537e+01	7.6215e-02	5.8587e-01
	205	1.4500e-01	-9.3764e-02	-1.1254e-01	5.3783e+01	8.8033e-01	7.8250e-01
	206	1.4500e-01	-3.1098e-16	1.5531e-01	2.5182e+01	-2.0991e+01	1.6839e+01

322	5	-2.2176e-01	-9.2786e-17	-4.5466e-02	5.5421e+01	-7.7254e+00	-5.3383e+00
	202	-2.2176e-01	-1.9666e-02	-6.5940e-02	4.5817e+01	5.3023e+00	-1.7101e+00
	203	2.4031e-01	-1.9666e-02	-4.3567e-02	2.1998e+01	-2.7124e-02	-4.1429e-01
	204	2.4031e-01	-4.9156e-17	-2.3093e-02	8.4154e+01	9.1741e+00	-4.0425e+00
323	198	1.3640e-02	-1.4088e-05	-2.5212e-02	5.4235e+00	2.4077e-01	-1.2872e+00
	201	1.3640e-02	-4.6884e-16	-4.8501e-02	5.1303e+00	-6.5785e+00	3.7997e+00
	475	2.0037e-02	-2.3995e-17	-2.4073e-03	2.2304e+01	6.6215e+00	4.0392e+00
	199	2.0037e-02	-1.4088e-05	2.0882e-02	-4.8599e+00	-9.0505e-01	-1.0477e+00
324	197	-3.5881e-03	8.9193e-03	-2.3689e-02	4.4821e+00	-9.7711e-01	-1.3716e+00
	200	-3.5881e-03	5.6295e-16	-2.2495e-02	2.9771e+00	-3.3602e-01	-8.8451e-01
	201	1.3640e-02	5.6295e-16	-4.3359e-02	2.6924e+00	9.9249e-02	-5.8853e-01
	198	1.3640e-02	8.9193e-03	-4.4553e-02	5.4267e+00	-1.3370e-01	-1.0757e+00
325	196	3.6522e-02	-1.1531e-02	-5.7387e-02	-2.4640e+00	-1.1463e+00	-6.8347e-01
	474	3.6522e-02	-5.6295e-16	-3.5258e-02	1.6398e+01	4.6334e+00	-4.4489e+00
	200	-3.5881e-03	-5.6295e-16	-1.2640e-02	4.5467e+00	-4.6258e+00	-4.2450e+00
	197	-3.5881e-03	-1.1531e-02	-3.4769e-02	4.2867e+00	5.5175e-01	-4.7957e-01
326	191	4.4428e-02	-5.4175e-02	-5.6941e-02	-6.0101e+00	-1.2707e+00	2.5777e-01
	198	4.4428e-02	-1.4088e-05	-1.1105e-02	-2.4820e+00	5.8747e-01	-1.7381e+00
	199	8.7207e-02	-1.4088e-05	1.6630e-02	3.5433e+00	-6.1338e-01	-2.3570e+00
	193	8.7207e-02	-5.4175e-02	-2.9207e-02	-1.4739e+01	3.0722e+00	-3.6104e-01
327	189	-2.6140e-02	8.0364e-02	-7.4969e-02	-5.0878e+00	4.7266e-01	1.9723e-02
	197	-2.6140e-02	8.9193e-03	-5.3513e-02	-1.8720e+00	4.4500e-01	-5.8680e-01
	198	4.4428e-02	8.9193e-03	-3.0445e-02	-3.4895e+00	-7.1360e-01	-2.1076e+00
	191	4.4428e-02	8.0364e-02	-5.1901e-02	-4.2919e+00	3.7498e+00	-1.5011e+00
328	188	-9.1008e-02	-1.2653e-02	2.7436e-02	-6.5011e+00	4.9783e-01	1.1485e+00
	196	-9.1008e-02	-1.1531e-02	-1.2607e-02	1.2158e+00	-6.0427e-01	1.9471e-01
	197	-2.6140e-02	-1.1531e-02	-6.4594e-02	-1.1546e+00	5.8443e-01	-4.9359e-01
	189	-2.6140e-02	-1.2653e-02	-2.4551e-02	-5.4226e+00	1.5149e+00	4.6017e-01
329	192	-7.5791e-04	1.1332e-16	1.3868e-01	-1.2311e+01	1.6612e+01	1.5361e+01
	191	-7.5791e-04	-5.4175e-02	5.3834e-02	-1.8301e+01	-1.0864e+00	1.5931e+00
	193	3.8190e-01	-5.4175e-02	-2.8084e-01	4.4590e+00	3.3775e+00	2.3332e+00
	8	3.8190e-01	-2.5133e-16	-1.9599e-01	-5.3720e+01	-1.6506e+01	1.6101e+01
330	190	-1.4937e-02	6.1033e-30	-2.9341e-02	-6.0456e+00	2.4309e+00	3.9616e+00
	189	-1.4937e-02	8.0364e-02	-9.9027e-02	-1.2293e+01	3.5376e+00	3.3654e-01
	191	-7.5791e-04	8.0364e-02	5.8875e-02	-1.7082e+01	8.2987e-01	1.4992e+00
	192	-7.5791e-04	2.3548e-30	1.2856e-01	-6.1664e+00	-1.4968e+00	5.1243e+00
331	7	-1.4815e-01	4.0343e-31	1.5987e-02	-1.6361e+01	-2.9539e+00	-5.5894e-01
	188	-1.4815e-01	-1.2653e-02	8.6811e-02	-3.4745e+00	1.1073e+00	1.0696e+00
	189	-1.4937e-02	-1.2653e-02	-4.8609e-02	-1.0906e+01	1.1080e+00	1.6963e+00
	190	-1.4937e-02	-3.0138e-30	-1.1943e-01	-6.7238e+00	3.3183e+00	6.7843e-02
766	166	-8.5288e-03	6.6237e-16	-1.3634e-03	7.4277e+00	1.2294e-01	1.2409e-01
	169	-8.5288e-03	-4.0193e-16	-2.5988e-02	-9.9024e+00	-3.3471e-01	2.7200e-01
	170	6.7036e-03	-4.4691e-16	-2.1870e-03	-8.6320e+00	3.5557e-01	2.8657e-01
	167	6.7036e-03	1.0732e-17	2.2437e-02	6.3639e+00	-1.4380e-01	1.3866e-01
767	164	2.2348e-02	1.2945e-16	-3.0553e-02	4.4885e+00	2.0801e-01	2.1539e-01
	166	2.2348e-02	7.0530e-16	6.1371e-03	-4.5589e+00	-1.1519e-01	1.5056e-01
	167	-3.2208e-02	-1.6765e-16	3.7533e-02	-3.7899e+00	1.2581e-01	1.5798e-01
	165	-3.2208e-02	1.3973e-17	8.4338e-04	3.6290e+00	-2.1863e-01	2.2281e-01
768	3	-4.8398e-02	3.8335e-16	-2.1282e-02	1.1469e+01	7.6811e-01	6.6555e-01
	164	-4.8398e-02	-3.7761e-16	-8.0288e-02	-7.8801e+00	-9.6027e-02	1.9614e-01
	165	2.4122e-02	-3.4586e-16	-6.8252e-03	-6.0462e+00	1.1821e-01	2.1164e-01
	2	2.4122e-02	-2.7048e-16	5.2181e-02	8.9790e+00	-7.9029e-01	6.8104e-01
769	128	-1.2952e-02	1.1810e-15	1.0020e-02	-2.3355e+00	6.6641e-01	5.0367e-01
	162	-1.2952e-02	0.0000e+00	-4.7455e-03	3.3867e+00	-8.5910e-01	6.3825e-01
	163	9.4298e-03	1.1755e-16	-1.2752e-02	7.1719e+00	8.4695e-01	6.2977e-01
	129	9.4298e-03	1.1121e-15	2.0136e-03	-5.9328e+00	-6.5426e-01	4.9519e-01
770	124	1.1287e-03	6.1262e-16	-4.3120e-03	-8.8081e-01	6.5516e-01	5.2769e-01

	128	1.1287e-03	5.6295e-16	1.4191e-02	6.4238e-01	-6.5681e-01	5.2885e-01
	129	-1.0213e-02	6.5130e-16	1.1298e-02	3.8284e+00	6.5073e-01	5.2460e-01
	125	-1.0213e-02	5.5053e-16	-7.2051e-03	-4.0652e+00	-6.4908e-01	5.2345e-01
771	4	-5.0451e-02	3.4373e-16	-6.3958e-03	-4.8687e+00	4.2723e-01	4.2747e-01
	124	-5.0451e-02	0.0000e+00	-2.9414e-02	2.2562e+00	-6.3355e-01	5.7157e-01
	125	3.3408e-02	6.5327e-17	-1.6305e-02	4.9137e+00	6.2105e-01	5.6284e-01
	54	3.3408e-02	2.6591e-16	6.7128e-03	-7.3249e+00	-4.1474e-01	4.1874e-01
772	119	9.8426e-03	-1.8572e-16	-2.5041e-02	-2.2259e+00	1.0160e-01	1.5951e-01
	122	9.8426e-03	-2.0790e-16	-3.1962e-02	2.9765e+00	-1.1530e-01	1.7587e-01
	123	1.4471e-02	1.3567e-16	2.0229e-02	2.4011e+00	-1.8510e-01	-1.8274e-01
	121	1.4471e-02	-2.8536e-16	2.7150e-02	-1.6114e+00	1.9880e-01	-1.9910e-01
773	117	1.5622e-02	9.1001e-17	-2.6835e-02	-1.3367e+00	-1.0962e-02	5.7021e-02
	119	1.5622e-02	-4.8274e-16	-1.6287e-02	1.3250e+00	1.4930e-03	6.8324e-02
	121	1.4138e-02	-2.6308e-16	2.4681e-02	4.3356e-01	-1.1604e-01	-6.8412e-02
	118	1.4138e-02	-3.6924e-18	1.4133e-02	-4.1836e-01	1.2551e-01	-7.9716e-02
774	72	7.1526e-03	9.7324e-17	-2.7685e-02	-3.2494e+00	1.5779e-01	3.1744e-01
	117	7.1526e-03	7.6231e-17	-4.0818e-02	2.0281e+00	-4.1416e-02	1.7852e-01
	118	3.7536e-02	-3.8952e-16	1.0416e-02	1.1574e+00	-2.5672e-01	-1.7738e-01
	73	3.7536e-02	1.3679e-16	2.3549e-02	-2.7104e+00	1.4034e-01	-3.8457e-02
775	113	5.7406e-03	1.0165e-16	-2.8206e-03	3.4857e-02	-4.3149e-02	-1.7530e-02
	115	5.7406e-03	-8.7417e-04	1.7345e-03	6.1042e-02	-4.7149e-01	-6.7634e-02
	116	-3.2875e-03	-8.7417e-04	2.2783e-03	-5.4000e-02	3.6443e-01	-9.6909e-02
	114	-3.2875e-03	1.2588e-17	-2.2768e-03	8.2885e-02	2.3648e-02	-4.6805e-02
776	111	-8.8767e-03	9.5619e-17	-1.9656e-03	-2.2650e-01	-1.0650e-01	-5.0452e-02
	113	-8.8767e-03	-4.1095e-16	-4.7675e-03	1.3960e-01	8.1261e-02	-3.3571e-02
	114	8.7252e-03	-4.9796e-16	-6.5868e-03	-2.7091e-01	-8.2126e-02	-3.4149e-02
	112	8.7252e-03	1.1841e-17	-3.7849e-03	2.0659e-01	1.0737e-01	-5.1031e-02
777	70	7.9855e-03	3.8545e-16	5.9552e-03	-4.3079e-01	-3.0377e-01	-1.6490e-01
	111	7.9855e-03	-1.3849e-16	3.7130e-03	5.0834e-01	1.0209e-01	-3.0025e-02
	112	-2.3742e-02	8.9148e-17	2.9170e-03	-3.0787e-01	-1.0158e-01	-2.9685e-02
	71	-2.3742e-02	2.9435e-16	5.1592e-03	5.6582e-01	3.0326e-01	-1.6456e-01
778	107	-1.2223e-03	1.0130e-15	-2.3212e-04	1.2586e-01	4.7758e-02	1.5354e-02
	109	-1.2223e-03	8.6944e-04	-5.4573e-03	-7.5092e-02	2.5751e-01	1.7802e-02
	110	6.0310e-04	8.6944e-04	-1.5430e-04	-4.0528e-02	-3.6244e-01	-6.9780e-03
	108	6.0310e-04	2.2800e-15	5.0709e-03	9.3635e-02	-4.9035e-02	-9.4266e-03
779	105	1.0049e-02	4.4029e-16	-9.9208e-03	1.0456e-02	1.0186e-01	6.9472e-02
	107	1.0049e-02	2.2518e-15	5.2690e-04	-1.0617e-01	-1.6159e-02	2.8498e-02
	108	-5.5279e-03	2.0612e-15	7.4918e-03	1.2195e-02	1.8839e-02	2.9780e-02
	106	-5.5279e-03	5.9361e-16	-2.9559e-03	-1.4709e-01	-1.0454e-01	7.0754e-02
780	68	-2.6676e-02	4.6140e-16	-1.6447e-02	2.1417e-01	-1.1027e-01	-1.4481e-02
	105	-2.6676e-02	5.6295e-16	-2.4149e-02	-1.0259e-01	-1.1614e-01	9.3773e-02
	106	2.6137e-02	4.3704e-16	-1.2895e-02	-9.6125e-02	7.0650e-02	7.2024e-02
	69	2.6137e-02	5.8833e-16	-5.1936e-03	3.1122e-01	1.5576e-01	-3.6230e-02
781	101	3.3590e-04	7.2493e-31	-5.1653e-03	7.8647e-02	6.1403e-01	3.4979e-01
	103	3.3590e-04	-3.3661e-03	-8.8767e-03	5.3345e-02	-9.9861e-01	4.0119e-01
	104	3.4344e-04	-3.3661e-03	5.9875e-03	3.2219e+00	1.2280e+00	4.8243e-01
	102	3.4344e-04	-1.5534e-31	9.6989e-03	-3.0212e+00	-6.2760e-01	4.3103e-01
782	99	-5.6808e-04	7.0730e-31	-9.9540e-03	-5.6726e-02	5.5249e-01	3.9025e-01
	101	-5.6808e-04	0.0000e+00	-4.8701e-03	4.5662e-02	-5.5548e-01	3.9225e-01
	102	-6.8298e-04	8.6314e-31	9.1716e-03	2.6174e+00	5.9700e-01	4.2002e-01
	100	-6.8298e-04	-1.5156e-31	4.0877e-03	-2.6258e+00	-5.9401e-01	4.1802e-01
783	66	1.4352e-02	7.0965e-31	-6.2239e-03	-2.3534e-01	4.9928e-01	3.7214e-01
	99	1.4352e-02	0.0000e+00	-1.2045e-02	8.1445e-02	-5.4260e-01	4.0111e-01
	100	4.7887e-03	5.5816e-31	1.2794e-03	2.5258e+00	5.8519e-01	4.2959e-01
	67	4.7887e-03	-1.5207e-31	7.1001e-03	-2.6410e+00	-5.4188e-01	4.0062e-01
784	95	-3.2362e-03	9.7054e-32	2.0963e-03	2.4835e-01	-4.0902e-03	3.4774e-02
	97	-3.2362e-03	0.0000e+00	-9.0889e-03	-1.4467e-01	-1.6780e-02	5.2383e-02

	98	3.6102e-03	4.2164e-31	-6.3544e-03	-2.6282e-02	3.3175e-02	6.6216e-02
	96	3.6102e-03	-4.8527e-32	4.8308e-03	1.5968e-01	-1.2304e-02	4.8607e-02
785	93	6.3147e-03	5.6295e-16	-7.0417e-03	-2.7377e-01	3.8311e-02	1.0243e-01
	95	6.3147e-03	0.0000e+00	7.9428e-03	-2.6903e-02	9.2633e-03	6.2291e-02
	96	-2.3541e-03	3.2829e-31	1.0849e-02	-1.6139e-02	-2.5772e-02	4.8362e-02
	94	-2.3541e-03	5.6295e-16	-4.1356e-03	-3.5227e-01	-2.1802e-02	8.8502e-02
786	63	-3.7081e-02	2.8147e-16	-9.7325e-03	2.5814e-02	-3.6943e-01	-1.8263e-01
	93	-3.7081e-02	5.6295e-16	-2.4246e-02	1.6656e-01	-4.4647e-04	1.2945e-01
	94	3.8898e-02	5.6295e-16	-1.8173e-02	-6.8680e-01	5.5717e-02	1.7609e-01
	62	3.8898e-02	2.8147e-16	-3.6604e-03	1.4058e+00	3.1416e-01	-1.3600e-01
787	88	-1.1749e-03	3.8060e-16	5.3785e-03	-6.0794e+00	9.4282e-02	1.5077e-01
	90	-1.1749e-03	-1.9953e-16	2.9787e-03	7.7629e+00	-1.8320e-02	6.0095e-02
	92	-6.5383e-06	-3.7586e-16	1.4582e-03	3.8117e+00	-6.3363e-01	-7.1818e-01
	89	-6.5383e-06	2.7745e-16	3.8580e-03	-2.3446e+00	5.5767e-01	-6.2750e-01
788	86	1.7690e-03	3.7774e-16	3.3021e-03	-5.6736e+00	-1.2099e-01	-7.4330e-02
	88	1.7690e-03	8.3041e-17	6.5108e-03	4.9662e+00	3.0134e-02	3.4134e-02
	89	-8.5735e-03	6.4459e-17	4.7349e-03	9.8547e-01	-4.5586e-01	-4.7408e-01
	87	-8.5735e-03	2.7757e-16	1.5262e-03	-1.4339e+00	5.4672e-01	-5.8254e-01
789	65	8.8806e-03	-4.3080e-17	9.9852e-03	-5.7453e+00	2.1352e-01	3.8397e-01
	86	8.8806e-03	2.2138e-16	4.9665e-03	5.7856e+00	1.2066e-01	-1.4961e-02
	87	-1.2224e-02	7.5021e-17	-4.0270e-03	2.1036e+00	-6.6345e-01	-6.6292e-01
	64	-1.2224e-02	-3.9625e-18	9.9163e-04	-3.0157e+00	3.2927e-01	-2.6399e-01
790	82	-7.7914e-03	2.8147e-16	8.3892e-03	3.8210e+01	3.8059e+00	2.6964e+00
	84	-7.7914e-03	0.0000e+00	3.3469e-03	-4.1196e+01	-4.4172e+00	3.1234e+00
	85	-6.9348e-03	0.0000e+00	-1.5466e-03	-2.0655e+01	4.4936e+00	3.1767e+00
	83	-6.9348e-03	2.8147e-16	3.4957e-03	1.8265e+01	-3.8823e+00	2.7497e+00
791	80	-2.6266e-03	-2.8147e-16	1.3758e-03	3.0591e+00	5.7088e+00	4.0574e+00
	82	-2.6266e-03	2.8147e-16	1.0022e-02	-1.9439e+01	-3.7051e+00	2.6579e+00
	83	-2.8364e-02	2.8147e-16	4.8865e-03	2.5431e+00	3.7045e+00	2.6574e+00
	81	-2.8364e-02	-2.8147e-16	-3.7599e-03	-2.0878e+01	-5.7082e+00	4.0570e+00
792	59	-3.6098e-03	0.0000e+00	2.0710e-02	1.4197e+02	1.6388e+01	1.1575e+01
	80	-3.6098e-03	-2.8147e-16	-2.9019e-04	-6.6354e+01	-4.3939e+00	3.1979e+00
	81	-4.7665e-02	-2.8147e-16	-8.8644e-03	-2.1022e+01	4.5967e+00	3.3396e+00
	57	-4.7665e-02	0.0000e+00	1.2136e-02	8.4938e+01	-1.6591e+01	1.1717e+01
793	76	-2.5543e-03	8.9130e-16	7.7665e-03	2.0971e+01	-5.6026e+00	-3.8748e+00
	78	-2.5543e-03	0.0000e+00	1.8308e-02	-2.5780e+01	7.7405e+00	-5.3680e+00
	79	-2.4800e-02	6.8256e-17	-8.7618e-03	-5.9119e+01	-7.6385e+00	-5.2968e+00
	77	-2.4800e-02	8.3270e-16	-1.9303e-02	5.2224e+01	5.5006e+00	-3.8036e+00
794	74	-3.3621e-02	4.8491e-17	7.6649e-03	-1.3478e+01	-4.1268e+00	-2.8122e+00
	76	-3.3621e-02	5.6295e-16	-7.4938e-03	-2.3782e+00	5.9111e+00	-4.0585e+00
	77	-2.6020e-02	6.1005e-16	-1.6568e-02	-2.7690e+01	-5.8939e+00	-4.0464e+00
	75	-2.6020e-02	-1.2123e-17	-1.4095e-03	1.0093e+01	4.1096e+00	-2.8002e+00
795	55	4.4475e-03	1.6432e-16	-1.6802e-02	1.3871e+02	1.4868e+01	1.0513e+01
	74	4.4475e-03	-2.8147e-16	-2.3622e-03	-5.8667e+01	6.1842e+00	-4.1902e+00
	75	-1.1274e-01	-2.6205e-16	4.1971e-02	-4.7204e+01	-5.9575e+00	-4.0319e+00
	56	-1.1274e-01	1.3484e-16	2.7531e-02	1.0670e+02	-1.5094e+01	1.0671e+01
796	503	1.6074e-01	3.1337e-17	6.1323e-02	-1.9254e+00	-8.5343e-01	-7.2383e-01
	72	1.6074e-01	8.1528e-17	3.3990e-02	1.0286e+00	2.1915e-02	2.4163e-01
	73	-2.3478e-02	6.2382e-17	2.0904e-02	-2.8343e+00	1.1406e-01	3.9951e-01
	504	-2.3478e-02	6.6841e-17	4.8237e-02	4.1794e+00	7.1745e-01	-5.6595e-01
797	496	-2.1111e-02	-4.4511e-17	-1.7302e-02	-2.0584e+00	-4.8416e-01	-2.3579e-01
	70	-2.1111e-02	4.3695e-16	-2.7750e-03	2.0842e+00	3.4982e-01	-1.4841e-01
	71	1.5489e-02	4.4735e-16	-2.1152e-03	5.1817e-01	-2.8301e-01	-1.0495e-01
	497	1.5489e-02	1.2928e-17	-1.6642e-02	-3.7864e-01	4.1734e-01	-1.9233e-01
798	498	2.6403e-02	1.8214e-16	4.1451e-02	2.3994e-01	4.6312e-02	1.0067e-01
	68	2.6403e-02	5.6295e-16	1.1871e-02	-1.3986e-01	1.4088e-01	1.3617e-02
	69	-7.1686e-04	4.8330e-16	2.8680e-02	-3.6238e-01	-2.1465e-01	-2.0690e-02

	499	-7.1686e-04	3.0631e-16	5.8260e-02	3.8149e-01	2.7461e-02	6.6363e-02
799	495	3.4793e-03	-7.0369e-17	9.4502e-03	1.2503e+00	3.8767e-01	3.3130e-01
	66	3.4793e-03	0.0000e+00	1.8349e-03	-1.1847e+00	-5.2514e-01	4.2072e-01
	67	-1.3169e-02	2.1336e-31	1.8818e-02	7.7453e-01	5.1099e-01	4.1151e-01
	494	-1.3169e-02	-7.0369e-17	2.6433e-02	-5.9257e-01	-3.7351e-01	3.2209e-01
800	493	-6.3127e-02	2.0178e-17	-3.4827e-02	-1.5628e+00	-1.5882e+00	-1.5770e+00
	64	-6.3127e-02	-6.3912e-17	-1.9097e-02	1.8613e+00	1.6712e-01	7.3038e-02
	65	1.0548e-02	-4.2780e-17	-1.5947e-02	-5.4394e+00	2.2090e-01	5.2356e-01
	492	1.0548e-02	-3.1407e-18	-3.1677e-02	9.5695e+00	1.2002e+00	-1.1264e+00
801	500	-2.1103e-02	1.4074e-16	-5.7084e-02	-1.3677e+00	8.4759e-01	9.6266e-01
	62	-2.1103e-02	2.8147e-16	-2.4993e-02	1.4072e+00	4.3286e-01	-8.8162e-02
	63	7.3079e-02	2.8147e-16	-4.3896e-02	1.3296e+00	-6.1456e-01	-2.3727e-01
	501	7.3079e-02	1.4074e-16	-7.5986e-02	-3.0148e+00	-6.6589e-01	8.1355e-01
802	489	-1.5199e-02	7.0369e-17	6.5942e-02	4.9903e+02	1.2467e+02	8.4960e+01
	57	-1.5199e-02	0.0000e+00	-5.6063e-03	-1.9274e+02	-8.1926e+00	5.8326e+00
	59	-3.3138e-02	0.0000e+00	-3.2199e-02	5.1561e+01	4.5007e+00	3.3245e+00
	488	-3.3138e-02	7.0369e-17	3.9350e-02	1.4722e+02	-1.2098e+02	8.2452e+01
803	482	-1.9102e-01	-8.5419e-17	-1.8311e-01	-1.0074e+02	1.4483e+02	9.8653e+01
	55	-1.9102e-01	0.0000e+00	-1.4843e-01	-8.2120e+01	-2.1750e-02	2.8185e-01
	56	1.8833e-02	5.8480e-18	7.3794e-02	1.9309e+02	3.4037e+00	2.5793e+00
	483	1.8833e-02	3.0151e-17	3.9110e-02	-5.0960e+02	-1.4821e+02	1.0095e+02
804	474	9.4311e-03	1.8336e-16	-1.9859e-02	2.9647e+00	-2.2073e-01	1.1713e-01
	4	9.4311e-03	0.0000e+00	-1.9310e-03	-1.4738e+00	-4.2019e-01	5.5253e-01
	54	-4.5047e-02	2.3598e-17	6.9179e-02	-8.0576e-01	3.8206e-01	5.2662e-01
	475	-4.5047e-02	1.3008e-16	5.1251e-02	2.8882e+00	2.5886e-01	9.1227e-02
805	479	-2.2543e-01	-1.8632e-18	-1.3965e-01	1.1829e+01	2.8273e+00	2.1877e+00
	2	-2.2543e-01	-1.8993e-16	-1.9875e-01	-2.6917e+00	-4.8413e-01	5.9596e-01
	3	1.5936e-01	2.7373e-16	2.8420e-02	3.7157e+00	4.1819e-01	5.5117e-01
	478	1.5936e-01	2.9786e-16	8.7516e-02	3.2587e+00	-2.7613e+00	2.1429e+00
1	12	0.0000e+00	0.0000e+00	0.0000e+00	-6.2155e+01	-6.6737e+01	1.1359e+01
	17	0.0000e+00	0.0000e+00	0.0000e+00	-2.2940e+01	-5.2690e+01	4.9255e+01
	36	0.0000e+00	0.0000e+00	0.0000e+00	-2.9831e+01	5.3747e+00	1.9643e+01
2	36	0.0000e+00	0.0000e+00	0.0000e+00	8.7924e-04	6.3503e+01	1.7347e+01
	12	0.0000e+00	0.0000e+00	0.0000e+00	6.0365e+01	6.9070e+01	-1.0311e+01
	466	0.0000e+00	0.0000e+00	0.0000e+00	2.6471e+01	2.9093e+01	-5.9282e-01
3	17	0.0000e+00	0.0000e+00	0.0000e+00	-3.0625e+01	-4.8055e+01	1.2158e+01
	12	0.0000e+00	0.0000e+00	0.0000e+00	-6.1408e+01	-5.5404e+01	2.8153e+01
	19	0.0000e+00	0.0000e+00	0.0000e+00	-2.0882e+00	2.2671e+01	-1.3673e+00
4	12	0.0000e+00	0.0000e+00	0.0000e+00	-6.4607e+01	-6.2523e+01	1.0285e+01
	466	0.0000e+00	0.0000e+00	0.0000e+00	-1.9697e+01	-5.0436e+01	2.6751e+01
	516	0.0000e+00	0.0000e+00	0.0000e+00	-4.6310e+00	3.2600e+01	4.3184e+01
5	19	0.0000e+00	0.0000e+00	0.0000e+00	2.8019e+01	-2.1657e+01	-4.2976e+01
	12	0.0000e+00	0.0000e+00	0.0000e+00	-8.1690e+01	-6.1486e+01	-9.2197e+00
	516	0.0000e+00	0.0000e+00	0.0000e+00	-1.3811e+01	3.5902e+01	-5.4708e+01
6	346	0.0000e+00	0.0000e+00	0.0000e+00	-5.8835e+00	-8.0248e+00	1.3819e+01
	335	0.0000e+00	0.0000e+00	0.0000e+00	4.7483e+01	2.3928e+00	-6.2269e+00
	16	0.0000e+00	0.0000e+00	0.0000e+00	4.6216e+01	4.3063e+01	-3.0346e+00
7	16	0.0000e+00	0.0000e+00	0.0000e+00	-4.3187e+01	-6.2007e+01	-5.2860e+00
	346	0.0000e+00	0.0000e+00	0.0000e+00	-4.1894e+00	-3.3131e+01	-5.5683e+00
	19	0.0000e+00	0.0000e+00	0.0000e+00	-2.2659e+01	-4.8400e+01	7.0664e+00
8	16	0.0000e+00	0.0000e+00	0.0000e+00	2.9614e+01	9.1649e+01	5.7973e+00
	335	0.0000e+00	0.0000e+00	0.0000e+00	-1.5911e+01	8.7137e+01	-3.1862e+01
	463	0.0000e+00	0.0000e+00	0.0000e+00	4.0353e+00	8.2459e+01	7.9820e+00
9	16	0.0000e+00	0.0000e+00	0.0000e+00	-5.4623e+01	-3.8010e+01	-1.2159e+01
	19	0.0000e+00	0.0000e+00	0.0000e+00	-1.2009e+01	-2.3847e+01	1.0000e+01

	15	0.0000e+00	0.0000e+00	0.0000e+00	-2.1555e+01	3.3806e+01	8.5105e+00
10	19	0.0000e+00	0.0000e+00	0.0000e+00	1.9709e+01	4.2834e+01	-5.7420e-01
	15	0.0000e+00	0.0000e+00	0.0000e+00	-1.6764e+01	4.9590e+00	-2.3042e+01
	17	0.0000e+00	0.0000e+00	0.0000e+00	-1.3294e+01	-1.4275e+01	-3.3430e+01
11	15	0.0000e+00	0.0000e+00	0.0000e+00	-8.2345e+00	4.2715e+01	5.9619e+00
	17	0.0000e+00	0.0000e+00	0.0000e+00	-2.1713e+01	2.9410e+01	3.6919e+00
	35	0.0000e+00	0.0000e+00	0.0000e+00	-1.1140e+01	1.8820e+01	-7.0763e+00
12	15	0.0000e+00	0.0000e+00	0.0000e+00	3.8130e+01	-3.6147e+01	8.2497e+00
	35	0.0000e+00	0.0000e+00	0.0000e+00	1.9985e+01	-9.8456e+00	-7.2239e+00
	10	0.0000e+00	0.0000e+00	0.0000e+00	2.3676e+01	4.4723e+00	3.0585e+01
13	10	0.0000e+00	0.0000e+00	0.0000e+00	3.4004e-01	-2.3767e+01	-2.4799e+01
	15	0.0000e+00	0.0000e+00	0.0000e+00	4.4067e+01	-2.3126e+01	-2.1742e+01
	16	0.0000e+00	0.0000e+00	0.0000e+00	5.5313e+01	4.4556e+01	-2.0340e+01
14	10	0.0000e+00	0.0000e+00	0.0000e+00	-3.7500e+01	5.4241e+01	-5.7564e+00
	16	0.0000e+00	0.0000e+00	0.0000e+00	3.1914e+01	7.3514e+01	1.5511e+00
	463	0.0000e+00	0.0000e+00	0.0000e+00	2.1799e+01	8.8112e+01	8.5100e+00
24	584	0.0000e+00	0.0000e+00	0.0000e+00	2.6219e+02	-9.6382e+01	1.5477e+02
	511	0.0000e+00	0.0000e+00	0.0000e+00	4.3324e+01	-2.1883e+02	2.7061e+02
	32	0.0000e+00	0.0000e+00	0.0000e+00	2.0856e+02	1.4604e+02	1.3011e+02
25	412	0.0000e+00	0.0000e+00	0.0000e+00	-6.1947e+02	-2.0033e+02	2.3743e+02
	584	0.0000e+00	0.0000e+00	0.0000e+00	-4.0284e+02	6.6036e+01	4.7946e+01
	511	0.0000e+00	0.0000e+00	0.0000e+00	-3.7103e+02	2.6517e+02	7.9276e+01
26	52	0.0000e+00	0.0000e+00	0.0000e+00	3.5061e+01	-5.3284e+02	4.5652e+02
	584	0.0000e+00	0.0000e+00	0.0000e+00	1.4539e+02	-3.2048e+02	3.1117e+02
	32	0.0000e+00	0.0000e+00	0.0000e+00	1.4804e+02	-1.7202e+02	3.1961e+02
27	412	0.0000e+00	0.0000e+00	0.0000e+00	1.0655e+03	-4.5817e+02	-4.3671e+02
	52	0.0000e+00	0.0000e+00	0.0000e+00	-6.3737e+02	-2.9611e+02	-4.9089e+02
	584	0.0000e+00	0.0000e+00	0.0000e+00	2.6436e+02	-3.0990e+02	-1.2245e+02
124	52	0.0000e+00	0.0000e+00	0.0000e+00	-2.2826e+02	-5.5539e+02	6.0623e+01
	464	0.0000e+00	0.0000e+00	0.0000e+00	5.3547e+02	4.1642e+02	-1.1067e+02
	421	0.0000e+00	0.0000e+00	0.0000e+00	2.1798e+02	1.3155e+03	2.1797e+02
	536	0.0000e+00	0.0000e+00	0.0000e+00	-1.0276e+02	8.0974e+02	4.1394e+02
129	5	0.0000e+00	0.0000e+00	0.0000e+00	6.9776e+01	2.0387e+01	5.4364e+01
	586	0.0000e+00	0.0000e+00	0.0000e+00	-1.7545e+01	2.5051e+01	1.4198e+01
	535	0.0000e+00	0.0000e+00	0.0000e+00	4.8367e+01	1.0407e+02	7.1322e+01
130	535	0.0000e+00	0.0000e+00	0.0000e+00	1.3040e+01	3.8392e+01	-1.0982e+01
	586	0.0000e+00	0.0000e+00	0.0000e+00	-1.5570e+01	2.7987e+01	1.0931e+00
	28	0.0000e+00	0.0000e+00	0.0000e+00	3.1300e+01	4.7261e+00	-2.1824e+01
131	28	0.0000e+00	0.0000e+00	0.0000e+00	9.7677e+01	8.9598e+01	7.4800e+00
	27	0.0000e+00	0.0000e+00	0.0000e+00	4.8109e+02	-4.0141e+01	-1.2868e+01
	534	0.0000e+00	0.0000e+00	0.0000e+00	2.6175e+02	3.9594e+01	-9.6057e+01
	535	0.0000e+00	0.0000e+00	0.0000e+00	6.1535e+01	3.2059e+01	1.5094e+01
132	204	0.0000e+00	0.0000e+00	0.0000e+00	2.7637e+01	-4.0343e+01	5.0434e+01
	5	0.0000e+00	0.0000e+00	0.0000e+00	2.7343e+01	4.9867e+00	6.2684e+01
	535	0.0000e+00	0.0000e+00	0.0000e+00	2.4766e+01	9.3607e+01	1.5698e+01
	534	0.0000e+00	0.0000e+00	0.0000e+00	1.9751e+02	1.8545e+02	-4.0547e+00
133	462	0.0000e+00	0.0000e+00	0.0000e+00	-8.4499e+00	1.2745e+03	1.9158e+02
	414	0.0000e+00	0.0000e+00	0.0000e+00	5.0775e+01	1.5228e+03	2.0254e+02
	6	0.0000e+00	0.0000e+00	0.0000e+00	1.0593e+02	9.0213e+02	2.1461e+02
	533	0.0000e+00	0.0000e+00	0.0000e+00	2.4151e+01	1.0962e+03	1.6857e+02
134	534	0.0000e+00	0.0000e+00	0.0000e+00	2.5775e+02	2.3339e+02	1.7245e+02
	27	0.0000e+00	0.0000e+00	0.0000e+00	2.6443e+02	4.0943e+02	3.1575e+02
	462	0.0000e+00	0.0000e+00	0.0000e+00	4.3722e+02	1.0961e+03	5.3250e+02
	533	0.0000e+00	0.0000e+00	0.0000e+00	2.7263e+02	6.2081e+02	4.2033e+02
135	204	0.0000e+00	0.0000e+00	0.0000e+00	-8.4084e+01	-6.4474e+01	8.5500e+00

	534	0.0000e+00	0.0000e+00	0.0000e+00	2.5383e+02	2.7075e+02	5.1114e+01
	533	0.0000e+00	0.0000e+00	0.0000e+00	2.3464e+02	5.1116e+02	2.6851e+02
	6	0.0000e+00	0.0000e+00	0.0000e+00	7.9448e+01	2.8169e+02	2.2445e+02
136	454	0.0000e+00	0.0000e+00	0.0000e+00	1.3422e+03	3.6663e+01	1.4536e+01
	515	0.0000e+00	0.0000e+00	0.0000e+00	1.6535e+02	1.7033e+02	-6.6805e+01
	582	0.0000e+00	0.0000e+00	0.0000e+00	7.8569e+02	4.2005e+01	3.5135e+01
137	582	0.0000e+00	0.0000e+00	0.0000e+00	3.2311e+02	3.0367e+02	2.2727e+02
	515	0.0000e+00	0.0000e+00	0.0000e+00	1.2028e+02	1.6516e+02	1.7660e+02
	532	0.0000e+00	0.0000e+00	0.0000e+00	2.1470e+02	1.2261e+02	1.2483e+02
138	515	0.0000e+00	0.0000e+00	0.0000e+00	9.1226e+01	-5.6301e+01	-2.9230e+01
	516	0.0000e+00	0.0000e+00	0.0000e+00	-4.2412e+01	2.4736e+01	-6.2906e+01
	11	0.0000e+00	0.0000e+00	0.0000e+00	3.7101e+01	1.4944e+01	5.1852e+00
139	11	0.0000e+00	0.0000e+00	0.0000e+00	-5.8400e+01	-1.5320e+01	-3.3696e+01
	515	0.0000e+00	0.0000e+00	0.0000e+00	4.7316e+01	-7.9506e+01	-4.2080e+01
	532	0.0000e+00	0.0000e+00	0.0000e+00	-5.1946e+01	-2.0724e+02	-6.3646e+01
140	346	0.0000e+00	0.0000e+00	0.0000e+00	1.5837e+01	-1.7492e+01	-6.6307e+00
	11	0.0000e+00	0.0000e+00	0.0000e+00	7.2092e+00	-2.3636e+01	-2.2975e+01
	19	0.0000e+00	0.0000e+00	0.0000e+00	7.2599e-01	-5.4412e+01	-7.2587e+00
141	11	0.0000e+00	0.0000e+00	0.0000e+00	1.3485e+01	1.7610e+01	-1.5916e+01
	516	0.0000e+00	0.0000e+00	0.0000e+00	2.7440e+01	1.5134e+00	-1.2775e+01
	19	0.0000e+00	0.0000e+00	0.0000e+00	1.9300e+01	-8.9259e+00	-3.2374e+01
142	514	0.0000e+00	0.0000e+00	0.0000e+00	2.8746e+01	1.7922e+02	-1.7758e+01
	532	0.0000e+00	0.0000e+00	0.0000e+00	2.2245e+00	2.0034e+02	-1.3230e+01
	11	0.0000e+00	0.0000e+00	0.0000e+00	2.2977e+01	4.4701e+01	-7.8464e+00
	346	0.0000e+00	0.0000e+00	0.0000e+00	1.0336e+01	5.0309e+01	-1.4383e+01
143	463	0.0000e+00	0.0000e+00	0.0000e+00	-7.4042e+01	7.6758e+00	3.0470e+01
	513	0.0000e+00	0.0000e+00	0.0000e+00	2.2789e+02	1.5562e+01	2.0348e+01
	530	0.0000e+00	0.0000e+00	0.0000e+00	2.9177e+02	-9.8529e+01	1.2305e+01
	335	0.0000e+00	0.0000e+00	0.0000e+00	2.4044e+01	-2.4693e+01	-1.9322e+01
144	514	0.0000e+00	0.0000e+00	0.0000e+00	1.6085e+02	-4.0233e+01	5.9833e+00
	346	0.0000e+00	0.0000e+00	0.0000e+00	1.4003e+01	1.4515e+01	8.9925e+00
	335	0.0000e+00	0.0000e+00	0.0000e+00	3.2751e+01	-4.1478e+01	4.0419e+01
	530	0.0000e+00	0.0000e+00	0.0000e+00	3.1805e+02	-5.9638e+01	9.5083e+01
145	531	0.0000e+00	0.0000e+00	0.0000e+00	9.0868e+02	1.4334e+02	-1.6434e+02
	451	0.0000e+00	0.0000e+00	0.0000e+00	1.4138e+03	1.3247e+02	-3.5920e+02
	454	0.0000e+00	0.0000e+00	0.0000e+00	1.2355e+03	-4.1679e+01	-2.9012e+02
	582	0.0000e+00	0.0000e+00	0.0000e+00	8.8345e+02	-1.0280e+02	-2.0910e+02
146	514	0.0000e+00	0.0000e+00	0.0000e+00	2.9532e+02	4.0634e+01	4.8222e+01
	531	0.0000e+00	0.0000e+00	0.0000e+00	6.4398e+02	1.2014e+02	1.0263e+01
	582	0.0000e+00	0.0000e+00	0.0000e+00	5.2088e+02	-1.7538e+02	9.8395e-01
	532	0.0000e+00	0.0000e+00	0.0000e+00	3.5686e+02	-4.2180e+01	-4.6799e+00
147	450	0.0000e+00	0.0000e+00	0.0000e+00	6.3634e+01	1.4239e+03	9.4758e+01
	451	0.0000e+00	0.0000e+00	0.0000e+00	-8.2665e+01	1.4179e+03	4.4410e+01
	531	0.0000e+00	0.0000e+00	0.0000e+00	5.6119e+01	8.8465e+02	-3.1041e+01
	469	0.0000e+00	0.0000e+00	0.0000e+00	-1.1356e+02	1.0298e+03	-8.2018e+00
148	530	0.0000e+00	0.0000e+00	0.0000e+00	-1.2110e+02	2.9533e+02	2.0497e+02
	513	0.0000e+00	0.0000e+00	0.0000e+00	1.8926e+02	6.6153e+02	1.5558e+02
	450	0.0000e+00	0.0000e+00	0.0000e+00	3.6121e+02	1.0158e+03	5.3750e+02
	469	0.0000e+00	0.0000e+00	0.0000e+00	2.0758e+01	4.1076e+02	4.4329e+02
149	514	0.0000e+00	0.0000e+00	0.0000e+00	4.9630e+01	2.0421e+02	2.7116e+01
	530	0.0000e+00	0.0000e+00	0.0000e+00	-4.5352e+01	3.6912e+02	3.0981e+01
	469	0.0000e+00	0.0000e+00	0.0000e+00	-1.1915e+02	5.3923e+02	6.6866e+01
	531	0.0000e+00	0.0000e+00	0.0000e+00	5.2091e+01	5.9193e+02	7.2634e+01
150	21	0.0000e+00	0.0000e+00	0.0000e+00	1.1589e+02	4.5436e+02	2.0344e+01
	22	0.0000e+00	0.0000e+00	0.0000e+00	-7.6890e+01	5.3968e+02	4.1826e+01
	30	0.0000e+00	0.0000e+00	0.0000e+00	-6.9840e+01	1.0896e+02	9.7148e+01

151	171	0.0000e+00	0.0000e+00	0.0000e+00	-8.4856e+01	-1.5300e+02	3.9685e+01
	30	0.0000e+00	0.0000e+00	0.0000e+00	3.2090e+01	-2.3960e+02	3.1566e+00
	21	0.0000e+00	0.0000e+00	0.0000e+00	-1.0744e+02	-5.4504e+02	-1.3855e+01
152	171	0.0000e+00	0.0000e+00	0.0000e+00	-2.7924e+02	-2.6135e+02	8.3493e+01
	21	0.0000e+00	0.0000e+00	0.0000e+00	-5.4982e+02	-1.1128e+02	-7.8878e+01
	413	0.0000e+00	0.0000e+00	0.0000e+00	-6.5813e+02	-8.3900e+02	2.5393e+02
153	413	0.0000e+00	0.0000e+00	0.0000e+00	7.8187e+02	8.0163e+01	-2.4481e+02
	171	0.0000e+00	0.0000e+00	0.0000e+00	2.7229e+02	-2.2554e+02	-1.5428e+02
	398	0.0000e+00	0.0000e+00	0.0000e+00	7.4538e+02	7.5336e+01	-4.6011e+02
154	524	0.0000e+00	0.0000e+00	0.0000e+00	1.1250e+01	4.5277e+00	-2.0684e+00
	526	0.0000e+00	0.0000e+00	0.0000e+00	2.1150e+01	4.2297e+00	-4.6152e+00
	525	0.0000e+00	0.0000e+00	0.0000e+00	1.7580e+01	5.6969e+00	-5.0105e+00
155	524	0.0000e+00	0.0000e+00	0.0000e+00	4.3711e+00	1.6335e+01	-3.6287e+00
	525	0.0000e+00	0.0000e+00	0.0000e+00	4.5192e+00	1.3718e+01	-5.5423e+00
	34	0.0000e+00	0.0000e+00	0.0000e+00	3.4962e+00	7.3403e+00	-4.7921e+00
156	23	0.0000e+00	0.0000e+00	0.0000e+00	4.1970e+01	-8.8434e+02	2.2512e+02
	513	0.0000e+00	0.0000e+00	0.0000e+00	-2.4742e+02	-5.5750e+02	1.2722e+02
	450	0.0000e+00	0.0000e+00	0.0000e+00	-2.1221e+02	-1.1309e+03	4.1393e+02
157	425	0.0000e+00	0.0000e+00	0.0000e+00	-1.7372e+00	1.3484e+03	9.4622e+01
	450	0.0000e+00	0.0000e+00	0.0000e+00	-5.3769e+01	1.2495e+03	-7.9328e+00
	23	0.0000e+00	0.0000e+00	0.0000e+00	-6.4637e+01	1.1210e+03	1.0971e+01
158	34	0.0000e+00	0.0000e+00	0.0000e+00	-1.0124e+01	-2.3106e+01	4.1201e+00
	524	0.0000e+00	0.0000e+00	0.0000e+00	-1.5146e+01	-2.1658e+01	3.6927e+00
	33	0.0000e+00	0.0000e+00	0.0000e+00	-1.6437e+01	-3.3597e+01	6.0325e+00
159	33	0.0000e+00	0.0000e+00	0.0000e+00	2.1568e+01	4.3659e+01	-1.6963e+00
	34	0.0000e+00	0.0000e+00	0.0000e+00	1.6576e+01	-6.6681e+00	-4.5048e+00
	465	0.0000e+00	0.0000e+00	0.0000e+00	1.6853e+01	3.3059e+01	-2.4144e+01
160	33	0.0000e+00	0.0000e+00	0.0000e+00	2.2956e+01	4.1010e+01	1.3586e+00
	465	0.0000e+00	0.0000e+00	0.0000e+00	-4.2622e+00	5.0156e+01	-4.5882e-01
	512	0.0000e+00	0.0000e+00	0.0000e+00	2.0415e+01	7.9473e+01	6.1415e+00
161	465	0.0000e+00	0.0000e+00	0.0000e+00	6.2113e+01	9.7638e+00	5.3813e+00
	34	0.0000e+00	0.0000e+00	0.0000e+00	1.0090e+01	1.3422e+01	6.4060e+00
	10	0.0000e+00	0.0000e+00	0.0000e+00	2.0689e+01	-2.1630e+01	1.1455e+01
162	10	0.0000e+00	0.0000e+00	0.0000e+00	-1.6765e+01	3.2460e+00	-1.3862e+01
	34	0.0000e+00	0.0000e+00	0.0000e+00	1.7373e+01	-4.5909e+00	5.0840e+00
	35	0.0000e+00	0.0000e+00	0.0000e+00	-8.0342e-01	-1.6721e+01	-2.2551e+01
163	35	0.0000e+00	0.0000e+00	0.0000e+00	9.3442e+00	3.5294e+01	-2.3155e+01
	17	0.0000e+00	0.0000e+00	0.0000e+00	8.6733e+00	6.7353e+01	-1.1954e+01
	36	0.0000e+00	0.0000e+00	0.0000e+00	1.9566e+01	2.3113e+01	1.8516e+01
164	529	0.0000e+00	0.0000e+00	0.0000e+00	-1.1401e+01	-1.7303e+01	1.3625e-01
	526	0.0000e+00	0.0000e+00	0.0000e+00	-1.1920e+01	-2.8276e+01	4.9968e+00
	42	0.0000e+00	0.0000e+00	0.0000e+00	-1.0774e+01	-4.5738e+01	-2.9561e-01
	127	0.0000e+00	0.0000e+00	0.0000e+00	-7.0882e+00	-3.9768e+01	-4.5459e+00
165	33	0.0000e+00	0.0000e+00	0.0000e+00	-2.8926e+01	-2.7697e+01	-7.0276e+00
	524	0.0000e+00	0.0000e+00	0.0000e+00	-1.5997e+01	-1.9832e+01	1.0922e+00
	526	0.0000e+00	0.0000e+00	0.0000e+00	-1.2935e+01	-2.1038e+01	2.2591e+00
	529	0.0000e+00	0.0000e+00	0.0000e+00	-1.4943e+01	-1.5167e+01	-3.9281e+00
166	528	0.0000e+00	0.0000e+00	0.0000e+00	5.0746e+01	1.6614e-01	-2.0054e+01
	529	0.0000e+00	0.0000e+00	0.0000e+00	-1.2611e+01	-2.6710e+01	-1.1027e+01
	127	0.0000e+00	0.0000e+00	0.0000e+00	7.9425e+00	-4.6183e+01	-4.1339e+00
	126	0.0000e+00	0.0000e+00	0.0000e+00	3.1477e+01	-8.8814e+01	-1.3566e+01
167	32	0.0000e+00	0.0000e+00	0.0000e+00	9.9481e+00	-1.0142e+02	6.3807e+00
	33	0.0000e+00	0.0000e+00	0.0000e+00	3.3549e+01	-2.8531e+01	-3.6457e+00
	529	0.0000e+00	0.0000e+00	0.0000e+00	-3.1252e+01	-2.1130e+01	-1.7233e+01
	528	0.0000e+00	0.0000e+00	0.0000e+00	6.3294e+01	7.8162e+01	-8.6289e+00

168	511	0.0000e+00	0.0000e+00	0.0000e+00	2.1126e+02	-1.9912e+02	1.6338e+01
	512	0.0000e+00	0.0000e+00	0.0000e+00	-2.7478e+01	-5.7775e+01	-6.0382e+01
	33	0.0000e+00	0.0000e+00	0.0000e+00	2.9699e+01	-7.4931e+01	-2.2077e+01
	32	0.0000e+00	0.0000e+00	0.0000e+00	5.1093e+01	-1.6484e+02	6.0968e+01
169	464	0.0000e+00	0.0000e+00	0.0000e+00	3.7789e+02	3.9998e+02	-4.2656e+01
	528	0.0000e+00	0.0000e+00	0.0000e+00	2.7092e+01	-1.0837e+01	-2.7409e+01
	126	0.0000e+00	0.0000e+00	0.0000e+00	3.1328e+02	-1.5152e+01	-1.4375e+02
	1	0.0000e+00	0.0000e+00	0.0000e+00	8.5766e+01	-1.3467e+02	-1.4992e+02
170	52	0.0000e+00	0.0000e+00	0.0000e+00	3.0904e+02	-2.0108e+02	7.8957e+01
	32	0.0000e+00	0.0000e+00	0.0000e+00	2.8359e+02	-3.5250e+01	1.6915e+01
	528	0.0000e+00	0.0000e+00	0.0000e+00	-4.5800e+01	9.6009e+01	-4.6331e+01
	464	0.0000e+00	0.0000e+00	0.0000e+00	4.2202e+02	3.3467e+02	5.2085e+01
171	527	0.0000e+00	0.0000e+00	0.0000e+00	-4.9581e-01	-2.9554e+01	7.4898e-01
	521	0.0000e+00	0.0000e+00	0.0000e+00	5.3190e+00	-3.3415e+01	-3.4607e+00
	45	0.0000e+00	0.0000e+00	0.0000e+00	4.6173e+00	-3.9623e+01	2.0282e+00
	506	0.0000e+00	0.0000e+00	0.0000e+00	-1.4404e+01	-5.1523e+01	5.4515e+00
172	35	0.0000e+00	0.0000e+00	0.0000e+00	-5.7098e-01	2.5988e+00	1.8685e+01
	36	0.0000e+00	0.0000e+00	0.0000e+00	2.0082e+01	-1.5206e+01	8.8463e+00
	521	0.0000e+00	0.0000e+00	0.0000e+00	5.6380e+00	-3.2811e+01	-5.7684e+00
	527	0.0000e+00	0.0000e+00	0.0000e+00	1.0110e+01	-1.9516e+01	-5.4823e+00
173	525	0.0000e+00	0.0000e+00	0.0000e+00	6.2194e+00	-2.3276e+01	6.5830e+00
	527	0.0000e+00	0.0000e+00	0.0000e+00	-3.5254e+00	-3.2883e+01	5.0536e+00
	506	0.0000e+00	0.0000e+00	0.0000e+00	-1.1350e+01	-4.9151e+01	-1.5011e-01
	44	0.0000e+00	0.0000e+00	0.0000e+00	1.0295e+01	-3.6863e+01	-6.6064e+00
174	34	0.0000e+00	0.0000e+00	0.0000e+00	-7.3567e+00	-1.2044e+01	3.5341e+00
	35	0.0000e+00	0.0000e+00	0.0000e+00	-1.6438e+00	-2.8711e+00	8.9177e+00
	527	0.0000e+00	0.0000e+00	0.0000e+00	1.0611e+00	-2.6844e+01	6.2915e+00
	525	0.0000e+00	0.0000e+00	0.0000e+00	-8.7359e-01	-1.6924e+01	7.2502e+00
175	526	0.0000e+00	0.0000e+00	0.0000e+00	-4.6886e+00	-2.4727e+01	3.6788e+00
	525	0.0000e+00	0.0000e+00	0.0000e+00	-2.9194e+00	-3.2847e+01	1.0446e+01
	44	0.0000e+00	0.0000e+00	0.0000e+00	-1.1622e+01	-4.7750e+01	5.2304e+00
	42	0.0000e+00	0.0000e+00	0.0000e+00	7.2938e+00	-3.3646e+01	-1.8966e+00
176	522	0.0000e+00	0.0000e+00	0.0000e+00	-2.6746e+00	-2.4504e+01	-4.0166e+00
	588	0.0000e+00	0.0000e+00	0.0000e+00	-5.1715e-01	-2.2052e+01	-3.8903e+00
	7	0.0000e+00	0.0000e+00	0.0000e+00	-9.5069e+00	-1.9696e+01	3.3824e-01
	47	0.0000e+00	0.0000e+00	0.0000e+00	7.7896e+00	-3.2230e+01	1.4178e+00
177	38	0.0000e+00	0.0000e+00	0.0000e+00	-5.9790e-01	-1.3745e+01	-6.5448e+00
	39	0.0000e+00	0.0000e+00	0.0000e+00	-7.8836e+00	1.1374e+00	-4.5427e+00
	588	0.0000e+00	0.0000e+00	0.0000e+00	-6.4142e-01	-2.2671e+01	-6.7404e-01
	522	0.0000e+00	0.0000e+00	0.0000e+00	-4.1343e+00	-1.5572e+01	-2.2722e+00
178	518	0.0000e+00	0.0000e+00	0.0000e+00	-3.9650e+00	-3.8813e+01	-1.3763e+01
	587	0.0000e+00	0.0000e+00	0.0000e+00	6.7773e+00	-3.2602e+01	-2.5870e+01
	39	0.0000e+00	0.0000e+00	0.0000e+00	-8.4649e+00	-7.9281e+00	-2.0257e+01
	38	0.0000e+00	0.0000e+00	0.0000e+00	9.8808e-01	-1.9412e+01	-1.0074e+01
179	520	0.0000e+00	0.0000e+00	0.0000e+00	-4.9718e+00	-3.2330e+01	-6.0743e+00
	522	0.0000e+00	0.0000e+00	0.0000e+00	-5.6654e+00	-2.0128e+01	-6.0582e+00
	47	0.0000e+00	0.0000e+00	0.0000e+00	-1.5733e+01	-3.6229e+01	-1.4792e+00
	46	0.0000e+00	0.0000e+00	0.0000e+00	1.0301e+01	-3.9131e+01	1.0824e-01
180	37	0.0000e+00	0.0000e+00	0.0000e+00	-6.9601e+00	-1.2244e+01	-6.1063e+00
	38	0.0000e+00	0.0000e+00	0.0000e+00	-1.4688e+01	-1.7630e+01	-2.3655e+00
	522	0.0000e+00	0.0000e+00	0.0000e+00	-5.3257e+00	-1.3422e+01	-2.5357e+00
	520	0.0000e+00	0.0000e+00	0.0000e+00	-8.5433e+00	-1.6667e+01	-6.6202e+00
181	517	0.0000e+00	0.0000e+00	0.0000e+00	-1.7609e+01	-3.5594e+01	-1.9390e+00
	518	0.0000e+00	0.0000e+00	0.0000e+00	5.0790e+00	-4.0238e+01	-5.9136e+00
	38	0.0000e+00	0.0000e+00	0.0000e+00	-1.1539e+01	-3.5954e+01	-9.8428e+00
	37	0.0000e+00	0.0000e+00	0.0000e+00	-8.5618e+00	-1.9068e+01	-5.7417e+00
182	521	0.0000e+00	0.0000e+00	0.0000e+00	1.8346e+00	-3.6676e+01	-7.0983e+00

	520	0.0000e+00	0.0000e+00	0.0000e+00	-5.1476e+00	-2.8982e+01	-7.2121e+00
	46	0.0000e+00	0.0000e+00	0.0000e+00	-5.2336e+00	-3.8761e+01	-3.7230e+00
	45	0.0000e+00	0.0000e+00	0.0000e+00	8.4023e+00	-4.1330e+01	-3.0403e+00
183	36	0.0000e+00	0.0000e+00	0.0000e+00	4.2281e+01	-1.2040e+01	-1.4510e+01
	37	0.0000e+00	0.0000e+00	0.0000e+00	-1.8167e+01	-1.0533e+01	-1.3008e+01
	520	0.0000e+00	0.0000e+00	0.0000e+00	-1.2445e+00	-1.9685e+01	-7.4887e+00
	521	0.0000e+00	0.0000e+00	0.0000e+00	-5.1895e-01	-3.6670e+01	-1.6897e+00
184	466	0.0000e+00	0.0000e+00	0.0000e+00	3.3593e+00	-7.3978e+00	-2.5261e+00
	517	0.0000e+00	0.0000e+00	0.0000e+00	-1.4079e+01	-2.2216e+01	-5.1199e-01
	37	0.0000e+00	0.0000e+00	0.0000e+00	-2.6175e+01	-2.5755e+01	-1.4047e+01
	36	0.0000e+00	0.0000e+00	0.0000e+00	4.8010e+01	1.5179e+01	-1.3656e+01
185	28	0.0000e+00	0.0000e+00	0.0000e+00	4.3598e+01	3.1986e+01	-1.2574e+01
	586	0.0000e+00	0.0000e+00	0.0000e+00	-3.8003e+00	5.1489e+00	-3.2100e+01
	587	0.0000e+00	0.0000e+00	0.0000e+00	-5.4723e+00	-7.9090e+00	-3.4297e+01
	518	0.0000e+00	0.0000e+00	0.0000e+00	-2.5468e+00	-3.2997e+01	-2.2324e+01
186	29	0.0000e+00	0.0000e+00	0.0000e+00	2.5699e+01	2.6304e+01	1.4007e+01
	28	0.0000e+00	0.0000e+00	0.0000e+00	2.3991e+00	2.4270e+01	4.2073e+00
	518	0.0000e+00	0.0000e+00	0.0000e+00	4.5542e+00	-3.8560e+01	-6.0823e+00
	517	0.0000e+00	0.0000e+00	0.0000e+00	-7.7177e+00	-3.1255e+01	6.2918e+00
187	26	0.0000e+00	0.0000e+00	0.0000e+00	2.9186e+01	4.4809e+02	1.0195e+01
	27	0.0000e+00	0.0000e+00	0.0000e+00	-1.9574e+01	4.5467e+02	4.0074e+01
	28	0.0000e+00	0.0000e+00	0.0000e+00	4.8093e+00	1.1554e+02	2.7654e+01
	29	0.0000e+00	0.0000e+00	0.0000e+00	4.1164e+01	1.6294e+02	-2.2241e+00
188	457	0.0000e+00	0.0000e+00	0.0000e+00	6.1599e+01	1.3304e+03	3.4700e+01
	462	0.0000e+00	0.0000e+00	0.0000e+00	-8.0009e+01	1.4685e+03	1.4448e+01
	27	0.0000e+00	0.0000e+00	0.0000e+00	-5.4393e+01	9.1460e+02	5.1700e+01
	26	0.0000e+00	0.0000e+00	0.0000e+00	7.6092e+01	8.8887e+02	6.8116e+01
189	516	0.0000e+00	0.0000e+00	0.0000e+00	-2.1745e+01	9.2232e+00	3.8446e+01
	29	0.0000e+00	0.0000e+00	0.0000e+00	9.4889e+00	3.3710e+01	1.8264e+01
	517	0.0000e+00	0.0000e+00	0.0000e+00	-3.1716e+01	-1.8306e+01	6.2061e+00
	466	0.0000e+00	0.0000e+00	0.0000e+00	4.0310e+00	5.1176e+01	3.6368e+00
190	515	0.0000e+00	0.0000e+00	0.0000e+00	4.6802e+01	4.3406e+01	-1.4631e+02
	26	0.0000e+00	0.0000e+00	0.0000e+00	9.9890e+01	3.6814e+02	-2.2481e+02
	29	0.0000e+00	0.0000e+00	0.0000e+00	4.0678e+01	1.2822e+02	-2.3988e+00
	516	0.0000e+00	0.0000e+00	0.0000e+00	-4.1363e+01	-1.0415e+01	1.8798e+01
191	454	0.0000e+00	0.0000e+00	0.0000e+00	1.9948e+01	1.2580e+03	-2.9865e+02
	457	0.0000e+00	0.0000e+00	0.0000e+00	9.1607e+00	1.3457e+03	-3.6319e+02
	26	0.0000e+00	0.0000e+00	0.0000e+00	4.6345e+01	8.5376e+02	-5.5893e+01
	515	0.0000e+00	0.0000e+00	0.0000e+00	1.0072e+02	2.3374e+02	-1.3998e+02
192	31	0.0000e+00	0.0000e+00	0.0000e+00	3.4536e+01	5.1675e+01	8.5361e+00
	463	0.0000e+00	0.0000e+00	0.0000e+00	-9.7141e+00	-8.0824e+00	-1.4579e+01
	10	0.0000e+00	0.0000e+00	0.0000e+00	-1.8357e+01	2.0449e+01	-3.4257e+01
	465	0.0000e+00	0.0000e+00	0.0000e+00	-2.2505e+01	-1.5344e+01	-8.7662e+00
193	23	0.0000e+00	0.0000e+00	0.0000e+00	1.8284e+01	3.8249e+02	2.4506e+02
	513	0.0000e+00	0.0000e+00	0.0000e+00	1.5026e+02	1.9398e+02	1.6525e+02
	463	0.0000e+00	0.0000e+00	0.0000e+00	4.0999e+01	-6.9325e+01	-6.7601e-01
	31	0.0000e+00	0.0000e+00	0.0000e+00	7.6983e+01	1.4290e+02	-2.8521e-01
194	30	0.0000e+00	0.0000e+00	0.0000e+00	9.7482e-01	5.6794e+01	1.9190e+01
	31	0.0000e+00	0.0000e+00	0.0000e+00	-3.9804e+00	6.0372e+01	5.5086e-01
	465	0.0000e+00	0.0000e+00	0.0000e+00	-3.0087e+01	-7.6429e+00	-1.9072e+01
	512	0.0000e+00	0.0000e+00	0.0000e+00	-7.8994e+00	3.5721e+01	-5.5648e+00
195	22	0.0000e+00	0.0000e+00	0.0000e+00	3.8758e+01	5.7744e+02	4.1287e+01
	23	0.0000e+00	0.0000e+00	0.0000e+00	-2.7079e+01	4.8601e+02	4.4036e+01
	31	0.0000e+00	0.0000e+00	0.0000e+00	1.1427e+01	1.7170e+02	2.4313e+01
	30	0.0000e+00	0.0000e+00	0.0000e+00	5.4880e+00	1.5453e+02	1.6933e+01
196	418	0.0000e+00	0.0000e+00	0.0000e+00	1.8117e+01	1.4540e+03	-4.1824e+00
	425	0.0000e+00	0.0000e+00	0.0000e+00	3.0678e+01	1.2716e+03	1.9627e+01

	23	0.0000e+00	0.0000e+00	0.0000e+00	2.1676e+01	1.0026e+03	-2.2621e+01
	22	0.0000e+00	0.0000e+00	0.0000e+00	4.2663e+01	8.6759e+02	-1.1845e+01
197	171	0.0000e+00	0.0000e+00	0.0000e+00	1.2814e+02	7.3599e+01	6.9222e+00
	30	0.0000e+00	0.0000e+00	0.0000e+00	-6.9152e+01	7.1300e+01	2.1069e+01
	512	0.0000e+00	0.0000e+00	0.0000e+00	-8.4519e+01	6.7330e+01	-3.0887e+01
	511	0.0000e+00	0.0000e+00	0.0000e+00	2.4895e+02	1.4009e+02	-4.1098e+01
198	415	0.0000e+00	0.0000e+00	0.0000e+00	2.5759e+01	1.4541e+03	-3.9708e+01
	418	0.0000e+00	0.0000e+00	0.0000e+00	-4.7682e+01	1.4118e+03	2.4062e+01
	22	0.0000e+00	0.0000e+00	0.0000e+00	-7.7007e+01	7.4871e+02	1.8746e+01
	21	0.0000e+00	0.0000e+00	0.0000e+00	1.0019e+02	7.5063e+02	-4.8387e+01
199	398	0.0000e+00	0.0000e+00	0.0000e+00	7.3579e+02	4.2184e+02	3.5554e+02
	171	0.0000e+00	0.0000e+00	0.0000e+00	1.2380e+02	2.9901e+02	9.8313e+01
	511	0.0000e+00	0.0000e+00	0.0000e+00	3.1510e+02	1.8322e+02	1.8831e+02
	412	0.0000e+00	0.0000e+00	0.0000e+00	3.0705e+02	5.7907e+01	4.5006e+02
200	53	0.0000e+00	0.0000e+00	0.0000e+00	4.5648e+02	-5.8857e+01	-5.9348e+02
	415	0.0000e+00	0.0000e+00	0.0000e+00	2.1743e+02	9.0273e+02	-4.1679e+02
	21	0.0000e+00	0.0000e+00	0.0000e+00	2.0130e+02	5.1429e+02	-2.7627e+00
	413	0.0000e+00	0.0000e+00	0.0000e+00	8.3747e+02	2.0905e+01	-3.2865e+02
201	510	0.0000e+00	0.0000e+00	0.0000e+00	2.9034e+01	5.8610e+02	2.9963e+01
	491	0.0000e+00	0.0000e+00	0.0000e+00	1.9354e+00	5.7483e+02	-4.2395e+01
	186	0.0000e+00	0.0000e+00	0.0000e+00	-5.8469e+01	1.4426e+03	-3.5390e+01
	400	0.0000e+00	0.0000e+00	0.0000e+00	-1.3207e+01	1.4369e+03	2.0661e+01
202	41	0.0000e+00	0.0000e+00	0.0000e+00	1.0094e+01	-1.3760e+01	3.0971e+01
	43	0.0000e+00	0.0000e+00	0.0000e+00	-9.2191e+00	-6.2729e+01	2.1392e+01
	491	0.0000e+00	0.0000e+00	0.0000e+00	-1.4375e+01	2.9556e+02	-3.7737e+01
	510	0.0000e+00	0.0000e+00	0.0000e+00	-1.0520e+01	3.6030e+02	-1.6519e+01
203	127	0.0000e+00	0.0000e+00	0.0000e+00	-5.1595e+00	-6.5070e+01	-2.9676e+00
	42	0.0000e+00	0.0000e+00	0.0000e+00	-1.7526e+01	-5.5876e+01	-2.7196e+00
	43	0.0000e+00	0.0000e+00	0.0000e+00	-3.7792e+01	-1.4006e+02	-6.5052e-01
	41	0.0000e+00	0.0000e+00	0.0000e+00	1.7062e+01	-1.3591e+02	-1.7120e+00
204	509	0.0000e+00	0.0000e+00	0.0000e+00	2.0331e+02	3.6733e+02	3.3702e+01
	510	0.0000e+00	0.0000e+00	0.0000e+00	5.2665e+01	5.6811e+02	-7.7067e+01
	400	0.0000e+00	0.0000e+00	0.0000e+00	-2.3516e+01	1.3648e+03	-3.6202e+00
	399	0.0000e+00	0.0000e+00	0.0000e+00	2.3644e+01	1.3113e+03	1.7117e+02
205	40	0.0000e+00	0.0000e+00	0.0000e+00	1.1558e+02	-8.3759e+01	5.8038e+00
	41	0.0000e+00	0.0000e+00	0.0000e+00	1.4998e+01	-5.1852e+01	4.4625e+00
	510	0.0000e+00	0.0000e+00	0.0000e+00	-3.4862e+01	3.3689e+02	-5.4031e+01
	509	0.0000e+00	0.0000e+00	0.0000e+00	1.9134e+02	4.7298e+02	-3.6715e+01
206	126	0.0000e+00	0.0000e+00	0.0000e+00	4.4374e+01	-4.9151e+01	-2.4493e+01
	127	0.0000e+00	0.0000e+00	0.0000e+00	-9.6390e-01	-7.1558e+01	3.1104e+00
	41	0.0000e+00	0.0000e+00	0.0000e+00	-1.5578e+01	-1.3789e+02	3.0534e+00
	40	0.0000e+00	0.0000e+00	0.0000e+00	9.3118e+01	-1.6011e+02	-2.4550e+01
207	91	0.0000e+00	0.0000e+00	0.0000e+00	7.7347e+02	3.0921e+02	4.0097e+02
	509	0.0000e+00	0.0000e+00	0.0000e+00	2.1589e+02	4.9137e+02	-6.6737e+01
	399	0.0000e+00	0.0000e+00	0.0000e+00	1.3970e+02	1.0671e+03	3.8600e+02
	60	0.0000e+00	0.0000e+00	0.0000e+00	1.2305e+02	1.0596e+02	8.2199e+02
208	168	0.0000e+00	0.0000e+00	0.0000e+00	1.0699e+03	1.0436e+02	3.0785e+01
	40	0.0000e+00	0.0000e+00	0.0000e+00	-1.3484e+01	-1.4080e+01	-1.0902e+01
	509	0.0000e+00	0.0000e+00	0.0000e+00	2.1021e+02	4.4251e+02	2.5055e+01
	91	0.0000e+00	0.0000e+00	0.0000e+00	9.1922e+02	9.6192e+01	2.1930e+02
209	1	0.0000e+00	0.0000e+00	0.0000e+00	2.3846e+02	-4.4273e+02	-2.5538e+02
	126	0.0000e+00	0.0000e+00	0.0000e+00	3.9276e+02	-1.0601e+02	-6.3797e+00
	40	0.0000e+00	0.0000e+00	0.0000e+00	7.9510e+01	-1.2491e+02	9.2897e+01
	168	0.0000e+00	0.0000e+00	0.0000e+00	1.1008e+03	-9.0817e+00	-2.3335e+02
210	508	0.0000e+00	0.0000e+00	0.0000e+00	-6.9390e-01	5.8833e+02	2.8434e+01
	476	0.0000e+00	0.0000e+00	0.0000e+00	5.5167e+01	5.9678e+02	-4.6752e+01
	187	0.0000e+00	0.0000e+00	0.0000e+00	-5.2122e+01	1.4458e+03	-4.6290e+01

	407	0.0000e+00	0.0000e+00	0.0000e+00	-1.2332e+01	1.4603e+03	2.3685e+01
211	507	0.0000e+00	0.0000e+00	0.0000e+00	1.2299e+01	2.5753e+01	1.8130e+01
	49	0.0000e+00	0.0000e+00	0.0000e+00	-3.5018e+01	-2.3312e+01	-2.0057e+01
	476	0.0000e+00	0.0000e+00	0.0000e+00	-1.7624e+01	3.2804e+02	-5.2763e+00
	508	0.0000e+00	0.0000e+00	0.0000e+00	-1.7679e+01	3.2200e+02	-4.5256e+01
212	506	0.0000e+00	0.0000e+00	0.0000e+00	-1.6841e+01	-9.9019e+01	2.3469e+01
	45	0.0000e+00	0.0000e+00	0.0000e+00	-4.1932e+00	-4.8453e+01	1.2333e+01
	49	0.0000e+00	0.0000e+00	0.0000e+00	-3.3193e+01	-1.5155e+02	9.0673e+00
	507	0.0000e+00	0.0000e+00	0.0000e+00	3.6987e+00	-8.1678e+01	7.2501e+00
213	487	0.0000e+00	0.0000e+00	0.0000e+00	8.2376e+01	5.7699e+02	-2.0896e+00
	508	0.0000e+00	0.0000e+00	0.0000e+00	1.5886e+01	5.8908e+02	-4.2412e+01
	407	0.0000e+00	0.0000e+00	0.0000e+00	-5.1580e+01	1.4488e+03	-4.3111e+01
	406	0.0000e+00	0.0000e+00	0.0000e+00	2.6420e+01	1.4001e+03	4.6979e+01
214	48	0.0000e+00	0.0000e+00	0.0000e+00	-2.8381e+01	-1.1377e+01	2.1189e+01
	507	0.0000e+00	0.0000e+00	0.0000e+00	9.4883e+00	2.6930e+01	-2.1501e+01
	508	0.0000e+00	0.0000e+00	0.0000e+00	-1.0108e+01	3.2626e+02	3.9734e+01
	487	0.0000e+00	0.0000e+00	0.0000e+00	-2.8390e+01	3.3485e+02	-4.6000e+00
215	44	0.0000e+00	0.0000e+00	0.0000e+00	1.0148e+01	-4.7702e+01	-1.2912e+01
	506	0.0000e+00	0.0000e+00	0.0000e+00	-1.2613e+01	-9.5141e+01	-2.7200e+01
	507	0.0000e+00	0.0000e+00	0.0000e+00	8.4532e-02	-8.0768e+01	-8.3702e+00
	48	0.0000e+00	0.0000e+00	0.0000e+00	-2.5983e+01	-1.5211e+02	-7.4940e+00
216	491	0.0000e+00	0.0000e+00	0.0000e+00	2.5094e+01	5.7286e+02	1.8271e+01
	487	0.0000e+00	0.0000e+00	0.0000e+00	-1.0847e+01	6.4968e+02	-6.0315e+01
	406	0.0000e+00	0.0000e+00	0.0000e+00	-8.0334e+01	1.4632e+03	-6.9841e+00
	186	0.0000e+00	0.0000e+00	0.0000e+00	-7.6610e+00	1.4443e+03	3.5008e+01
217	43	0.0000e+00	0.0000e+00	0.0000e+00	1.4437e+01	1.7454e+00	3.7978e+01
	48	0.0000e+00	0.0000e+00	0.0000e+00	1.6517e+01	-5.8229e+01	3.4159e+01
	487	0.0000e+00	0.0000e+00	0.0000e+00	1.7373e+01	2.4863e+02	-4.2084e+01
	491	0.0000e+00	0.0000e+00	0.0000e+00	-2.4127e+01	3.3886e+02	-2.3317e+01
218	42	0.0000e+00	0.0000e+00	0.0000e+00	1.6695e+01	-7.5411e+01	-3.1531e+00
	44	0.0000e+00	0.0000e+00	0.0000e+00	-1.4725e+01	-5.9542e+01	9.8172e+00
	48	0.0000e+00	0.0000e+00	0.0000e+00	-2.1489e+01	-1.5730e+02	3.8256e+00
	43	0.0000e+00	0.0000e+00	0.0000e+00	3.9559e+01	-1.2325e+02	-8.1117e+00
219	477	0.0000e+00	0.0000e+00	0.0000e+00	3.0954e+01	5.3395e+02	9.1610e+00
	485	0.0000e+00	0.0000e+00	0.0000e+00	8.0143e+01	4.9156e+02	-7.5848e+01
	61	0.0000e+00	0.0000e+00	0.0000e+00	-4.3138e+01	1.4178e+03	-1.1603e+02
	411	0.0000e+00	0.0000e+00	0.0000e+00	-5.6303e+00	1.4588e+03	-2.3509e+01
220	51	0.0000e+00	0.0000e+00	0.0000e+00	2.7575e+01	-8.9241e+01	6.3816e+00
	8	0.0000e+00	0.0000e+00	0.0000e+00	4.7489e+01	-1.1218e+02	3.0475e+00
	485	0.0000e+00	0.0000e+00	0.0000e+00	3.1268e+01	2.5227e+02	-3.1398e+01
	477	0.0000e+00	0.0000e+00	0.0000e+00	6.6061e+00	2.6237e+02	6.0588e+00
221	47	0.0000e+00	0.0000e+00	0.0000e+00	-7.5228e-01	-4.7499e+01	-9.9765e-01
	7	0.0000e+00	0.0000e+00	0.0000e+00	-1.2295e+00	-1.4492e+01	2.5568e+01
	8	0.0000e+00	0.0000e+00	0.0000e+00	5.4454e+01	-1.1997e+02	4.2508e+01
	51	0.0000e+00	0.0000e+00	0.0000e+00	-1.9519e+01	-1.3806e+02	1.5286e+01
222	473	0.0000e+00	0.0000e+00	0.0000e+00	-6.1249e+00	5.8009e+02	3.2872e+01
	477	0.0000e+00	0.0000e+00	0.0000e+00	3.9546e+01	5.5595e+02	-5.3659e+01
	411	0.0000e+00	0.0000e+00	0.0000e+00	-5.2029e+01	1.4617e+03	-5.1314e+01
	409	0.0000e+00	0.0000e+00	0.0000e+00	-3.1299e+01	1.4693e+03	6.5736e+00
223	50	0.0000e+00	0.0000e+00	0.0000e+00	1.3318e+01	-7.1491e+01	-2.1153e+01
	51	0.0000e+00	0.0000e+00	0.0000e+00	8.0875e+00	-4.1630e+01	-2.4218e+01
	477	0.0000e+00	0.0000e+00	0.0000e+00	-5.6719e+00	3.0304e+02	1.3224e-02
	473	0.0000e+00	0.0000e+00	0.0000e+00	5.6792e-01	2.6064e+02	2.0412e+01
224	46	0.0000e+00	0.0000e+00	0.0000e+00	4.0167e+00	-5.5759e+01	1.1188e+00
	47	0.0000e+00	0.0000e+00	0.0000e+00	-1.6621e+01	-6.1407e+01	9.7740e+00
	51	0.0000e+00	0.0000e+00	0.0000e+00	1.7735e+01	-1.3712e+02	1.1566e+01
	50	0.0000e+00	0.0000e+00	0.0000e+00	-1.9806e+01	-1.4866e+02	2.9113e+00

225	476	0.0000e+00	0.0000e+00	0.0000e+00	1.6169e+01	5.7880e+02	2.5655e+01
	473	0.0000e+00	0.0000e+00	0.0000e+00	5.4489e+01	5.5217e+02	-2.8927e+01
	409	0.0000e+00	0.0000e+00	0.0000e+00	-4.0729e+01	1.4250e+03	-6.6579e+01
	187	0.0000e+00	0.0000e+00	0.0000e+00	-2.7235e+00	1.4634e+03	1.2694e+01
226	49	0.0000e+00	0.0000e+00	0.0000e+00	2.5738e+01	-6.7341e+01	-3.4057e+01
	50	0.0000e+00	0.0000e+00	0.0000e+00	3.8317e+00	-9.7208e+00	-3.2928e+01
	473	0.0000e+00	0.0000e+00	0.0000e+00	-1.5786e+01	3.1116e+02	1.6407e+01
	476	0.0000e+00	0.0000e+00	0.0000e+00	1.4193e+01	2.4826e+02	3.0524e+01
227	45	0.0000e+00	0.0000e+00	0.0000e+00	3.8044e+00	-5.7512e+01	-7.5768e+00
	46	0.0000e+00	0.0000e+00	0.0000e+00	-3.2128e+00	-7.4268e+01	5.4409e+00
	50	0.0000e+00	0.0000e+00	0.0000e+00	2.7181e+01	-1.3299e+02	9.0267e+00
	49	0.0000e+00	0.0000e+00	0.0000e+00	-1.0748e+01	-1.6154e+02	-3.9910e+00
228	58	0.0000e+00	0.0000e+00	0.0000e+00	-7.8216e+02	1.1788e+02	3.6763e+02
	1	0.0000e+00	0.0000e+00	0.0000e+00	3.8546e+02	2.2219e+02	8.1357e+01
	464	0.0000e+00	0.0000e+00	0.0000e+00	-5.3019e+02	-3.9207e+02	-9.4497e+01
	421	0.0000e+00	0.0000e+00	0.0000e+00	-1.3162e+03	-1.7252e+02	2.4121e+02

SFORZI "Torcente di piano SLV" (Fase 1)

Generato da analisi lunedì 11 aprile 2022 alle ore 15:46:51.

Elem	Nodo	N	Vy	Vz	Mx	My	Mz
15	583	0.0000e+00	2.1478e+01	2.6645e-14	-2.5412e+02	1.2506e-12	1.6176e+03
	437	0.0000e+00	-2.1478e+01	-2.6645e-14	2.5412e+02	0.0000e+00	1.6426e+03
16	430	0.0000e+00	1.4240e+01	0.0000e+00	2.9837e+02	-4.5475e-13	1.2989e+03
	583	0.0000e+00	-1.4240e+01	0.0000e+00	-2.9837e+02	-4.5475e-13	1.2897e+03
17	437	7.5318e-13	1.6668e+02	1.1369e-13	-1.8641e+03	0.0000e+00	1.1115e+04
	133	-7.5318e-13	-1.6668e+02	-1.1369e-13	1.8641e+03	0.0000e+00	8.6433e+03
18	428	4.5475e-13	-1.1574e+02	0.0000e+00	-2.8798e+03	0.0000e+00	-4.6687e+03
	131	-4.5475e-13	1.1574e+02	0.0000e+00	2.8798e+03	0.0000e+00	-9.0697e+03
19	427	0.0000e+00	-1.6664e+02	-1.1369e-13	-2.8390e+03	0.0000e+00	-8.0016e+03
	130	0.0000e+00	1.6664e+02	1.1369e-13	2.8390e+03	0.0000e+00	-1.1789e+04
20	430	-2.2737e-13	4.1588e+01	0.0000e+00	-1.9589e+03	7.2760e-12	4.5931e+03
	132	2.2737e-13	-4.1588e+01	0.0000e+00	1.9589e+03	0.0000e+00	3.5885e+02
21	446	-4.5475e-13	3.4498e+02	-1.1369e-13	-1.8167e+03	0.0000e+00	2.2725e+04
	134	4.5475e-13	-3.4498e+02	1.1369e-13	1.8167e+03	0.0000e+00	1.8597e+04
22	455	0.0000e+00	2.6386e+02	-1.1369e-13	-1.8029e+03	0.0000e+00	1.7087e+04
	135	0.0000e+00	-2.6386e+02	1.1369e-13	1.8029e+03	2.1828e-11	1.4568e+04
23	460	1.8190e-12	3.8391e+02	-2.2737e-13	-1.1951e+03	0.0000e+00	2.2558e+04
	136	-1.8190e-12	-3.8391e+02	2.2737e-13	1.1951e+03	0.0000e+00	2.2965e+04
229	460	-2.2737e-13	8.4580e-01	0.0000e+00	-2.5533e+03	0.0000e+00	3.6570e+02
	25	2.2737e-13	-8.4580e-01	0.0000e+00	2.5533e+03	-4.5475e-13	-9.9114e+01
230	455	-2.2737e-13	4.0448e+00	3.5527e-15	-7.7150e+01	4.5475e-13	5.6783e+02
	460	2.2737e-13	-4.0448e+00	-3.5527e-15	7.7150e+01	4.5475e-13	6.6013e+02
231	446	0.0000e+00	3.0884e+00	-8.8818e-16	2.4940e+02	-4.5475e-13	5.1807e+02
	455	0.0000e+00	-3.0884e+00	8.8818e-16	-2.4940e+02	-3.4106e-13	5.7580e+02
232	437	2.2737e-13	5.3953e+00	-1.7764e-15	-3.1140e+01	2.2737e-13	8.0303e+02
	446	-2.2737e-13	-5.3953e+00	1.7764e-15	3.1140e+01	2.8422e-13	8.3494e+02
233	428	2.2737e-13	4.6518e+00	0.0000e+00	8.9579e+00	2.2737e-13	7.6285e+02
	430	-2.2737e-13	-4.6518e+00	0.0000e+00	-8.9579e+00	6.8212e-13	7.4520e+02
234	427	0.0000e+00	4.5781e+00	0.0000e+00	1.1191e+02	-4.5475e-13	7.3285e+02
	428	0.0000e+00	-4.5781e+00	0.0000e+00	-1.1191e+02	-4.5475e-13	6.5701e+02
235	490	0.0000e+00	4.5137e+00	3.5527e-15	3.8341e+01	-4.5475e-13	6.5356e+02
	427	0.0000e+00	-4.5137e+00	-3.5527e-15	-3.8341e+01	-4.5475e-13	7.1448e+02
236	410	0.0000e+00	-1.4966e+00	3.5527e-15	-1.9725e+02	-4.5475e-13	-1.7730e+02

	471	0.0000e+00	1.4966e+00	-3.5527e-15	1.9725e+02	-9.0949e-13	-2.9441e+02
237	408	-2.2737e-13	-2.8797e+00	0.0000e+00	1.6572e+02	-2.2737e-12	-4.1212e+02
	410	2.2737e-13	2.8797e+00	0.0000e+00	-1.6572e+02	-4.5475e-13	-4.6213e+02
238	405	0.0000e+00	-2.8055e+00	5.3291e-15	2.2014e+02	0.0000e+00	-4.7087e+02
	408	0.0000e+00	2.8055e+00	-5.3291e-15	-2.2014e+02	-1.1369e-13	-5.2280e+02
239	404	0.0000e+00	-4.2857e+00	-2.6645e-15	2.2003e+02	2.2737e-13	-6.4150e+02
	405	0.0000e+00	4.2857e+00	2.6645e-15	-2.2003e+02	2.8422e-13	-6.5959e+02
240	403	2.2737e-13	-3.3820e+00	-1.3323e-15	1.8325e+02	-5.6843e-14	-5.9560e+02
	404	-2.2737e-13	3.3820e+00	1.3323e-15	-1.8325e+02	-2.2737e-13	-6.0226e+02
241	402	0.0000e+00	-4.5972e+00	1.7764e-15	2.0926e+02	2.2737e-13	-7.0522e+02
	403	0.0000e+00	4.5972e+00	-1.7764e-15	-2.0926e+02	2.2737e-13	-6.9045e+02
242	401	0.0000e+00	-4.1683e+00	7.1054e-15	1.0302e+02	4.5475e-13	-6.4071e+02
	402	0.0000e+00	4.1683e+00	-7.1054e-15	-1.0302e+02	-4.5475e-13	-6.2475e+02
243	470	0.0000e+00	-3.9620e+00	-3.5527e-15	1.3953e+02	0.0000e+00	-6.5929e+02
	401	0.0000e+00	3.9620e+00	3.5527e-15	-1.3953e+02	-4.5475e-13	-5.4353e+02
244	158	-5.6843e-13	4.1994e+01	-3.5527e-15	-1.1955e+03	2.7285e-12	1.0032e+04
	405	5.6843e-13	-4.1994e+01	3.5527e-15	1.1955e+03	9.0949e-13	1.2173e+04
245	152	-2.2737e-13	9.2307e+00	0.0000e+00	-1.9602e+03	0.0000e+00	1.3840e+03
	403	2.2737e-13	-9.2307e+00	0.0000e+00	1.9602e+03	0.0000e+00	3.4984e+03
246	160	0.0000e+00	8.2682e+01	-3.5527e-15	-8.4151e+02	9.0949e-13	2.1139e+04
	410	0.0000e+00	-8.2682e+01	3.5527e-15	8.4151e+02	0.0000e+00	2.2560e+04
247	159	-9.0949e-13	5.9717e+01	3.5527e-15	-1.0679e+03	0.0000e+00	1.4668e+04
	408	9.0949e-13	-5.9717e+01	-3.5527e-15	1.0679e+03	0.0000e+00	1.6913e+04
248	157	9.4147e-14	2.5616e+01	-3.5527e-15	-1.1684e+03	9.0949e-13	5.7364e+03
	404	-9.4147e-14	-2.5616e+01	3.5527e-15	1.1684e+03	9.0949e-13	7.8017e+03
249	150	0.0000e+00	-2.7179e+00	3.5527e-15	-1.8100e+03	0.0000e+00	-1.6679e+03
	402	0.0000e+00	2.7179e+00	-3.5527e-15	1.8100e+03	0.0000e+00	2.3081e+02
250	149	2.2737e-13	-1.6140e+01	-1.0658e-14	-1.9995e+03	0.0000e+00	-5.3606e+03
	401	-2.2737e-13	1.6140e+01	1.0658e-14	1.9995e+03	9.0949e-13	-3.1705e+03
332	172	0.0000e+00	1.6462e+01	-2.1316e-14	2.0328e+03	1.8190e-12	3.1833e+03
	489	0.0000e+00	-1.6462e+01	2.1316e-14	-2.0328e+03	1.8190e-12	1.9423e+03
333	139	0.0000e+00	-2.5257e+01	0.0000e+00	-7.7126e+02	2.7285e-12	-4.3064e+03
	172	0.0000e+00	2.5257e+01	0.0000e+00	7.7126e+02	1.8190e-12	-3.5989e+03
334	179	3.6380e-12	-8.6076e+00	-2.2737e-13	8.0601e+03	2.9104e-11	5.1884e+01
	57	-3.6380e-12	8.6076e+00	2.2737e-13	-8.0601e+03	1.4552e-11	-2.7320e+03
335	259	-1.8190e-12	-4.9542e+00	0.0000e+00	4.3340e+02	0.0000e+00	-1.5540e+03
	179	1.8190e-12	4.9542e+00	0.0000e+00	-4.3340e+02	0.0000e+00	3.3716e+00
336	2	-3.6380e-12	4.2631e+00	0.0000e+00	-5.3531e+01	0.0000e+00	6.6831e+02
	3	3.6380e-12	-4.2631e+00	0.0000e+00	5.3531e+01	-7.2760e-12	2.8448e+02
337	54	0.0000e+00	-3.3204e+00	0.0000e+00	-2.3550e+02	-7.2760e-12	-5.8559e+02
	4	0.0000e+00	3.3204e+00	0.0000e+00	2.3550e+02	-7.2760e-12	-1.5651e+02
338	56	0.0000e+00	1.2734e+01	1.1369e-13	-1.3667e+02	-7.2760e-12	1.4228e+03
	55	0.0000e+00	-1.2734e+01	-1.1369e-13	1.3667e+02	0.0000e+00	1.4232e+03
339	59	7.2760e-12	-1.1052e+01	1.1369e-13	-2.8078e+01	-7.2760e-12	-1.5257e+03
	57	-7.2760e-12	1.1052e+01	-1.1369e-13	2.8078e+01	-7.2760e-12	-9.4456e+02
340	71	1.4552e-11	-4.3427e+02	-1.4552e-11	-2.2410e+03	0.0000e+00	-1.5988e+03
	68	-1.4552e-11	4.3427e+02	1.4552e-11	2.2410e+03	1.1642e-10	-4.5428e+03
341	66	4.3656e-11	2.5644e+01	0.0000e+00	-5.7041e+02	0.0000e+00	-1.6697e+03
	69	-4.3656e-11	-2.5644e+01	0.0000e+00	5.7041e+02	0.0000e+00	2.0323e+03
342	72	0.0000e+00	7.1994e-01	0.0000e+00	9.3465e+02	-9.0949e-13	1.1017e+02

	73	0.0000e+00	-7.1994e-01	0.0000e+00	-9.3465e+02	-1.8190e-12	1.6485e+02
343	180	7.2760e-12	2.6918e+02	-7.2760e-12	1.5103e+04	0.0000e+00	-1.2756e+04
	72	-7.2760e-12	-2.6918e+02	7.2760e-12	-1.5103e+04	0.0000e+00	1.8467e+04
344	63	0.0000e+00	2.6918e+02	-5.6843e-14	1.6594e+03	0.0000e+00	2.5253e+04
	180	0.0000e+00	-2.6918e+02	5.6843e-14	-1.6594e+03	0.0000e+00	1.9700e+04
345	62	0.0000e+00	1.8632e+00	-5.3291e-15	1.3755e+03	-6.8212e-13	2.9050e+02
	63	0.0000e+00	-1.8632e+00	5.3291e-15	-1.3755e+03	0.0000e+00	2.1256e+02
346	65	2.9104e-11	1.5464e+03	-1.4552e-11	-4.6339e+03	1.7462e-10	1.4721e+04
	62	-2.9104e-11	-1.5464e+03	1.4552e-11	4.6339e+03	5.8208e-11	1.8083e+04
347	64	0.0000e+00	6.3951e-01	-7.1054e-15	8.2405e+02	1.8190e-12	1.5152e+02
	65	0.0000e+00	-6.3951e-01	7.1054e-15	-8.2405e+02	-9.0949e-13	9.2774e+01
348	249	2.2737e-13	-9.1688e+01	-5.6843e-14	-1.1209e+04	0.0000e+00	-1.3933e+04
	248	-2.2737e-13	9.1688e+01	5.6843e-14	1.1209e+04	-7.2760e-12	-1.4949e+04
349	233	4.5475e-13	-6.8026e+01	2.8422e-14	1.8307e+03	0.0000e+00	-1.2243e+04
	249	-4.5475e-13	6.8026e+01	-2.8422e-14	-1.8307e+03	0.0000e+00	-9.3887e+03
350	262	2.2737e-13	7.4361e+00	2.8422e-14	6.5377e+03	7.2760e-12	3.7900e+03
	233	-2.2737e-13	-7.4361e+00	-2.8422e-14	-6.5377e+03	3.6380e-12	-1.4253e+03
351	263	6.8212e-13	-1.3914e+02	2.1316e-14	-1.0503e+03	0.0000e+00	-1.9237e+04
	262	-6.8212e-13	1.3914e+02	-2.1316e-14	1.0503e+03	-1.8190e-12	-2.5010e+04
352	264	0.0000e+00	-8.1144e+01	7.1054e-15	2.0945e+03	-1.8190e-12	-1.6543e+04
	263	0.0000e+00	8.1144e+01	-7.1054e-15	-2.0945e+03	-1.8190e-12	-9.8290e+03
353	265	0.0000e+00	-7.8522e+01	0.0000e+00	4.3256e+02	0.0000e+00	-1.2566e+04
	264	0.0000e+00	7.8522e+01	0.0000e+00	-4.3256e+02	0.0000e+00	-1.2443e+04
354	258	0.0000e+00	-7.7967e+01	0.0000e+00	4.7188e+03	7.2760e-12	-1.2147e+04
	265	0.0000e+00	7.7967e+01	0.0000e+00	-4.7188e+03	7.2760e-12	-1.2256e+04
355	243	-3.6948e-13	-9.0285e+01	0.0000e+00	-2.5623e+03	1.4552e-11	-1.3258e+04
	258	3.6948e-13	9.0285e+01	0.0000e+00	2.5623e+03	7.2760e-12	-1.4835e+04
356	260	0.0000e+00	-5.6196e+01	0.0000e+00	3.0881e+02	-7.2760e-12	-8.5866e+03
	259	0.0000e+00	5.6196e+01	0.0000e+00	-3.0881e+02	-7.2760e-12	-9.3119e+03
357	65	0.0000e+00	-2.1703e+02	-2.2737e-13	1.3724e+03	0.0000e+00	-1.8668e+04
	260	0.0000e+00	2.1703e+02	2.2737e-13	-1.3724e+03	-2.1828e-11	-1.8155e+04
358	257	1.8190e-12	-1.6140e+01	-3.4106e-13	5.3917e+03	-1.4552e-11	-3.0972e+03
	3	-1.8190e-12	1.6140e+01	3.4106e-13	-5.3917e+03	-2.9104e-11	-2.0731e+03
359	261	1.8190e-12	4.6138e+01	0.0000e+00	1.7012e+03	5.8208e-11	7.2396e+03
	257	-1.8190e-12	-4.6138e+01	0.0000e+00	-1.7012e+03	-1.4552e-11	7.4322e+03
360	72	0.0000e+00	2.2718e+01	0.0000e+00	6.2177e+02	0.0000e+00	3.7045e+03
	261	0.0000e+00	-2.2718e+01	0.0000e+00	-6.2177e+02	-7.2760e-12	3.6867e+03
369	241	1.8190e-12	-5.4914e+01	0.0000e+00	5.2249e+03	1.4552e-11	-8.0241e+03
	4	-1.8190e-12	5.4914e+01	0.0000e+00	-5.2249e+03	0.0000e+00	-9.5677e+03
370	245	1.8190e-12	-1.1342e+02	-1.1369e-13	2.0851e+03	0.0000e+00	-1.7871e+04
	241	-1.8190e-12	1.1342e+02	1.1369e-13	-2.0851e+03	0.0000e+00	-1.8198e+04
371	240	0.0000e+00	-1.1135e+02	0.0000e+00	2.3731e+03	-1.4552e-11	-1.7673e+04
	245	0.0000e+00	1.1135e+02	0.0000e+00	-2.3731e+03	-7.2760e-12	-1.7737e+04
372	246	0.0000e+00	-1.1518e+02	2.8422e-14	7.1566e+02	0.0000e+00	-1.8308e+04
	240	0.0000e+00	1.1518e+02	-2.8422e-14	-7.1566e+02	-1.8190e-12	-1.8320e+04
373	242	1.8190e-12	-1.1096e+02	-1.4211e-14	1.4384e+03	0.0000e+00	-1.8230e+04
	246	-1.8190e-12	1.1096e+02	1.4211e-14	-1.4384e+03	0.0000e+00	-1.7831e+04
374	214	0.0000e+00	-5.6600e+01	0.0000e+00	-5.5557e+02	0.0000e+00	-6.4053e+03
	242	0.0000e+00	5.6600e+01	0.0000e+00	5.5557e+02	0.0000e+00	-1.1622e+04
375	213	0.0000e+00	-1.5377e+01	1.1369e-13	8.4233e+02	-1.4552e-11	-2.6056e+03

	214	0.0000e+00	1.5377e+01	-1.1369e-13	-8.4233e+02	0.0000e+00	-2.2073e+03
376	55	-1.8190e-12	-3.8041e+01	-1.1369e-13	8.5875e+03	1.4552e-11	-9.6565e+03
	213	1.8190e-12	3.8041e+01	1.1369e-13	-8.5875e+03	2.9104e-11	-2.1880e+03
385	179	0.0000e+00	-3.7792e+01	0.0000e+00	1.0647e+03	0.0000e+00	-8.8103e+03
	258	0.0000e+00	3.7792e+01	0.0000e+00	-1.0647e+03	-3.6380e-12	-1.0804e+04
386	253	0.0000e+00	-4.1446e+01	0.0000e+00	1.3978e+03	0.0000e+00	-9.2102e+03
	179	0.0000e+00	4.1446e+01	0.0000e+00	-1.3978e+03	0.0000e+00	1.1904e+03
387	250	-7.2760e-12	6.1824e+02	0.0000e+00	-9.5243e+02	1.4552e-11	3.4787e+04
	72	7.2760e-12	-6.1824e+02	0.0000e+00	9.5243e+02	0.0000e+00	7.5654e+04
388	70	0.0000e+00	-1.3556e+02	-2.2737e-13	2.3784e+03	2.9104e-11	-8.0974e+03
	73	0.0000e+00	1.3556e+02	2.2737e-13	-2.3784e+03	2.1828e-11	-1.1947e+04
389	67	0.0000e+00	-8.6884e+01	-2.8422e-14	2.1747e+03	-7.2760e-12	-7.4635e+03
	70	0.0000e+00	8.6884e+01	2.8422e-14	-2.1747e+03	-9.0949e-12	-7.5675e+03
390	64	0.0000e+00	-1.7436e+02	-1.1369e-13	2.5079e+03	1.2733e-11	-1.4849e+04
	67	0.0000e+00	1.7436e+02	1.1369e-13	-2.5079e+03	2.1828e-11	-1.0933e+04
391	67	7.9581e-13	-1.0933e-01	-5.6843e-14	2.2888e+03	-1.0914e-11	6.0511e+02
	263	-7.9581e-13	1.0933e-01	5.6843e-14	-2.2888e+03	-2.1828e-11	-6.2351e+02
392	73	0.0000e+00	4.2245e+02	0.0000e+00	6.2496e+02	-1.4552e-11	3.6692e+04
	262	0.0000e+00	-4.2245e+02	0.0000e+00	-6.2496e+02	-7.2760e-12	2.7588e+04
393	257	0.0000e+00	5.9092e+01	1.4211e-14	2.1420e+03	0.0000e+00	1.5606e+04
	249	0.0000e+00	-5.9092e+01	-1.4211e-14	-2.1420e+03	-3.6380e-12	1.5063e+04
394	256	0.0000e+00	2.5036e+02	0.0000e+00	-2.0265e+03	0.0000e+00	2.5365e+04
	257	0.0000e+00	-2.5036e+02	0.0000e+00	2.0265e+03	-2.9104e-11	2.3079e+04
395	261	-1.8190e-12	3.5656e+01	0.0000e+00	2.0464e+03	0.0000e+00	9.2708e+03
	233	1.8190e-12	-3.5656e+01	0.0000e+00	-2.0464e+03	-3.6380e-12	9.2347e+03
396	252	3.6380e-12	1.7709e+02	2.2737e-13	8.9131e+00	0.0000e+00	1.7442e+04
	261	-3.6380e-12	-1.7709e+02	-2.2737e-13	-8.9131e+00	0.0000e+00	1.6824e+04
397	260	0.0000e+00	-1.4919e+01	0.0000e+00	1.9503e+03	-3.6380e-12	-3.8699e+03
	264	0.0000e+00	1.4919e+01	0.0000e+00	-1.9503e+03	0.0000e+00	-3.8729e+03
398	254	0.0000e+00	-2.0107e+01	-4.5475e-13	7.0715e+01	0.0000e+00	-2.4079e+03
	260	0.0000e+00	2.0107e+01	4.5475e-13	-7.0715e+01	5.8208e-11	-1.4829e+03
399	243	7.2760e-12	-4.1288e+02	-1.7764e-15	5.5397e+03	0.0000e+00	-9.6101e+04
	55	-7.2760e-12	4.1288e+02	1.7764e-15	-5.5397e+03	0.0000e+00	-1.2974e+05
400	57	0.0000e+00	-5.0043e+02	-3.5527e-15	3.3518e+03	-1.3642e-12	-1.4145e+05
	243	0.0000e+00	5.0043e+02	3.5527e-15	-3.3518e+03	-1.8190e-12	-1.0576e+05
401	248	0.0000e+00	3.4478e+02	1.7764e-15	4.8351e+03	0.0000e+00	6.2974e+04
	4	0.0000e+00	-3.4478e+02	-1.7764e-15	-4.8351e+03	-4.5475e-13	1.2218e+05
402	3	0.0000e+00	4.2327e+02	-3.5527e-15	3.9429e+03	-1.3642e-12	1.3845e+05
	248	0.0000e+00	-4.2327e+02	3.5527e-15	-3.9429e+03	-9.0949e-13	7.4886e+04
403	241	7.2760e-12	2.4381e+02	0.0000e+00	-3.9006e+03	-5.8208e-11	2.2382e+04
	236	-7.2760e-12	-2.4381e+02	0.0000e+00	3.9006e+03	-2.9104e-11	2.4794e+04
404	249	1.8190e-12	5.1645e+01	7.1054e-15	2.6999e+03	7.2760e-12	1.3974e+04
	241	-1.8190e-12	-5.1645e+01	-7.1054e-15	-2.6999e+03	1.8190e-12	1.4535e+04
405	245	0.0000e+00	1.7986e+02	-2.2737e-13	-2.0172e+03	0.0000e+00	1.6516e+04
	244	0.0000e+00	-1.7986e+02	2.2737e-13	2.0172e+03	0.0000e+00	1.8287e+04
406	233	-1.8190e-12	4.4218e+01	-4.2633e-14	2.7997e+03	3.6380e-12	1.2342e+04
	245	1.8190e-12	-4.4218e+01	4.2633e-14	-2.7997e+03	9.0949e-12	1.2067e+04
407	240	1.8190e-12	9.0346e+01	0.0000e+00	-1.9572e+03	0.0000e+00	7.2284e+03
	238	-1.8190e-12	-9.0346e+01	0.0000e+00	1.9572e+03	0.0000e+00	1.0253e+04
408	262	0.0000e+00	6.2290e+01	0.0000e+00	3.8794e+03	-9.0949e-13	1.4018e+04

	240	0.0000e+00	-6.2290e+01	0.0000e+00	-3.8794e+03	-4.5475e-13	2.0366e+04
409	246	-3.4106e-13	3.3946e+01	-6.8212e-13	-2.0676e+03	2.9104e-11	3.0695e+03
	239	3.4106e-13	-3.3946e+01	6.8212e-13	2.0676e+03	5.8208e-11	3.4991e+03
410	263	1.9895e-13	7.7517e+00	-1.4211e-14	3.8627e+03	-1.4552e-11	2.1169e+03
	246	-1.9895e-13	-7.7517e+00	1.4211e-14	-3.8627e+03	-1.4552e-11	2.1620e+03
411	242	0.0000e+00	-2.4707e+01	-2.2737e-13	-1.5555e+02	0.0000e+00	-1.9410e+03
	247	0.0000e+00	2.4707e+01	2.2737e-13	1.5555e+02	0.0000e+00	-2.8468e+03
412	264	0.0000e+00	-1.0928e+01	-2.8422e-14	3.4097e+03	-3.6380e-12	-2.9708e+03
	242	0.0000e+00	1.0928e+01	2.8422e-14	-3.4097e+03	-1.8190e-12	-3.0613e+03
413	213	0.0000e+00	-5.9306e+01	0.0000e+00	5.7846e+03	-5.8208e-11	1.1093e+03
	235	0.0000e+00	5.9306e+01	0.0000e+00	-5.7846e+03	0.0000e+00	-1.2585e+04
414	258	0.0000e+00	-3.6641e+01	-2.8422e-14	5.7981e+02	-1.0914e-11	-1.1487e+04
	213	0.0000e+00	3.6641e+01	2.8422e-14	-5.7981e+02	-1.0914e-11	-8.7391e+03
415	214	0.0000e+00	-1.9744e+01	0.0000e+00	9.0133e+03	-1.4552e-11	1.3783e+04
	234	0.0000e+00	1.9744e+01	0.0000e+00	-9.0133e+03	-7.2760e-12	-1.7603e+04
416	265	0.0000e+00	-6.0967e+01	3.5527e-15	4.0066e+02	1.8190e-12	-1.8473e+04
	214	0.0000e+00	6.0967e+01	-3.5527e-15	-4.0066e+02	1.8190e-12	-1.5181e+04
417	259	0.0000e+00	-7.4955e+01	0.0000e+00	2.8502e+03	0.0000e+00	-1.9539e+04
	265	0.0000e+00	7.4955e+01	0.0000e+00	-2.8502e+03	0.0000e+00	-1.9363e+04
418	255	-3.6380e-12	-2.1034e+02	0.0000e+00	1.1783e+03	1.4552e-11	-2.7085e+04
	259	3.6380e-12	2.1034e+02	0.0000e+00	-1.1783e+03	1.4552e-11	-1.3676e+04
419	177	0.0000e+00	-9.9894e+00	-9.0949e-13	9.6331e+03	0.0000e+00	1.0112e+02
	81	0.0000e+00	9.9894e+00	9.0949e-13	-9.6331e+03	5.8208e-11	-3.2114e+03
420	301	0.0000e+00	-8.3289e+00	0.0000e+00	2.4794e+02	0.0000e+00	-2.2689e+03
	177	0.0000e+00	8.3289e+00	0.0000e+00	-2.4794e+02	0.0000e+00	-3.3801e+02
421	165	-1.4552e-11	3.9469e+00	0.0000e+00	1.5220e+00	1.4552e-11	7.5936e+02
	164	1.4552e-11	-3.9469e+00	0.0000e+00	-1.5220e+00	0.0000e+00	1.2277e+02
422	125	0.0000e+00	-4.6616e+00	0.0000e+00	-2.6569e+02	-1.4552e-11	-8.0607e+02
	124	0.0000e+00	4.6616e+00	0.0000e+00	2.6569e+02	-2.9104e-11	-2.3579e+02
423	75	0.0000e+00	1.7059e-01	1.1369e-13	-3.8463e+02	-1.4552e-11	2.6775e+02
	74	0.0000e+00	-1.7059e-01	-1.1369e-13	3.8463e+02	-1.4552e-11	-2.2963e+02
424	80	1.4552e-11	-8.9018e-01	2.2737e-13	-3.4290e+01	-1.4552e-11	-4.6378e+02
	81	-1.4552e-11	8.9018e-01	-2.2737e-13	3.4290e+01	-2.9104e-11	2.6483e+02
425	112	-2.9104e-11	-8.8992e+02	-2.9104e-11	-3.9151e+03	-1.1642e-10	-4.1399e+03
	105	2.9104e-11	8.8992e+02	2.9104e-11	3.9151e+03	-2.3283e-10	-8.4454e+03
426	99	5.8208e-11	9.5646e+02	0.0000e+00	-4.5145e+03	-1.1642e-10	4.4572e+03
	106	-5.8208e-11	-9.5646e+02	0.0000e+00	4.5145e+03	-1.1642e-10	9.0691e+03
427	117	0.0000e+00	1.0260e+00	0.0000e+00	1.1402e+03	-3.6380e-12	1.6682e+02
	118	0.0000e+00	-1.0260e+00	0.0000e+00	-1.1402e+03	-7.2760e-12	2.2511e+02
428	178	1.4552e-11	3.5231e+02	0.0000e+00	1.9547e+04	0.0000e+00	-1.6625e+04
	117	-1.4552e-11	-3.5231e+02	0.0000e+00	-1.9547e+04	0.0000e+00	2.4098e+04
429	93	0.0000e+00	3.5231e+02	-1.1369e-13	2.0664e+03	0.0000e+00	3.3259e+04
	178	0.0000e+00	-3.5231e+02	1.1369e-13	-2.0664e+03	1.4552e-11	2.5577e+04
430	94	0.0000e+00	1.5612e+00	1.2434e-14	1.9258e+03	1.8190e-12	1.0915e+02
	93	0.0000e+00	-1.5612e+00	-1.2434e-14	-1.9258e+03	9.0949e-13	3.1236e+02
431	86	5.8208e-11	2.9703e+03	-4.3656e-11	-5.3088e+03	0.0000e+00	3.1109e+04
	94	-5.8208e-11	-2.9703e+03	4.3656e-11	5.3088e+03	2.3283e-10	3.1902e+04
432	87	0.0000e+00	1.7661e+00	-2.8422e-14	1.0320e+03	0.0000e+00	4.0595e+02
	86	0.0000e+00	-1.7661e+00	2.8422e-14	-1.0320e+03	0.0000e+00	2.6871e+02
433	298	9.0949e-13	-1.1609e+02	0.0000e+00	-1.2568e+04	-1.4552e-11	-1.7606e+04

	309	-9.0949e-13	1.1609e+02	0.0000e+00	1.2568e+04	-1.4552e-11	-1.8964e+04
434	325	0.0000e+00	-8.8150e+01	1.1369e-13	2.4135e+03	-1.4552e-11	-1.5492e+04
	298	0.0000e+00	8.8150e+01	-1.1369e-13	-2.4135e+03	0.0000e+00	-1.2540e+04
435	304	4.5475e-13	1.9934e+00	0.0000e+00	7.4676e+03	7.2760e-12	3.2234e+03
	325	-4.5475e-13	-1.9934e+00	0.0000e+00	-7.4676e+03	7.2760e-12	-2.5895e+03
436	299	4.5475e-13	-1.7118e+02	2.8422e-14	-1.0960e+03	7.2760e-12	-2.4099e+04
	304	-4.5475e-13	1.7118e+02	-2.8422e-14	1.0960e+03	7.2760e-12	-3.0335e+04
437	332	-4.5475e-13	-1.0028e+02	0.0000e+00	3.0046e+03	-3.6380e-12	-2.0138e+04
	299	4.5475e-13	1.0028e+02	0.0000e+00	-3.0046e+03	-3.6380e-12	-1.2454e+04
438	333	0.0000e+00	-1.0281e+02	0.0000e+00	4.4942e+02	0.0000e+00	-1.6330e+04
	332	0.0000e+00	1.0281e+02	0.0000e+00	-4.4942e+02	0.0000e+00	-1.6416e+04
439	306	1.8190e-12	-1.0034e+02	0.0000e+00	6.2179e+03	1.4552e-11	-1.5699e+04
	333	-1.8190e-12	1.0034e+02	0.0000e+00	-6.2179e+03	1.4552e-11	-1.5707e+04
440	316	-1.7053e-13	-1.1481e+02	0.0000e+00	-2.6804e+03	2.9104e-11	-1.6729e+04
	306	1.7053e-13	1.1481e+02	0.0000e+00	2.6804e+03	1.4552e-11	-1.8995e+04
441	305	0.0000e+00	-6.9170e+01	0.0000e+00	2.8829e+02	0.0000e+00	-1.0654e+04
	301	0.0000e+00	6.9170e+01	0.0000e+00	-2.8829e+02	0.0000e+00	-1.1377e+04
442	86	0.0000e+00	-2.2933e+02	-2.2737e-13	1.4124e+03	0.0000e+00	-1.9745e+04
	305	0.0000e+00	2.2933e+02	2.2737e-13	-1.4124e+03	-5.8208e-11	-1.9165e+04
443	311	0.0000e+00	-1.4191e+01	-4.5475e-13	6.3650e+03	-5.8208e-11	-2.8899e+03
	164	0.0000e+00	1.4191e+01	4.5475e-13	-6.3650e+03	0.0000e+00	-1.6561e+03
444	312	7.2760e-12	5.7219e+01	0.0000e+00	2.1858e+03	2.9104e-11	9.0069e+03
	311	-7.2760e-12	-5.7219e+01	0.0000e+00	-2.1858e+03	2.9104e-11	9.1888e+03
445	117	-7.2760e-12	2.7181e+01	0.0000e+00	8.7493e+02	0.0000e+00	4.3086e+03
	312	7.2760e-12	-2.7181e+01	0.0000e+00	-8.7493e+02	1.4552e-11	4.5347e+03
454	318	0.0000e+00	-7.2290e+01	2.2737e-13	6.3460e+03	5.8208e-11	-1.0540e+04
	124	0.0000e+00	7.2290e+01	-2.2737e-13	-6.3460e+03	5.8208e-11	-1.2618e+04
455	322	0.0000e+00	-1.3938e+02	0.0000e+00	2.6060e+03	-5.8208e-11	-2.1977e+04
	318	0.0000e+00	1.3938e+02	0.0000e+00	-2.6060e+03	0.0000e+00	-2.2347e+04
456	327	0.0000e+00	-1.3706e+02	1.1369e-13	2.8576e+03	0.0000e+00	-2.1755e+04
	322	0.0000e+00	1.3706e+02	-1.1369e-13	-2.8576e+03	0.0000e+00	-2.1832e+04
457	315	0.0000e+00	-1.4204e+02	0.0000e+00	1.0830e+03	-7.2760e-12	-2.2583e+04
	327	0.0000e+00	1.4204e+02	0.0000e+00	-1.0830e+03	-1.0914e-11	-2.2586e+04
458	328	0.0000e+00	-1.3631e+02	-5.6843e-14	1.8239e+03	-3.6380e-12	-2.2381e+04
	315	0.0000e+00	1.3631e+02	5.6843e-14	-1.8239e+03	0.0000e+00	-2.1919e+04
459	287	0.0000e+00	-6.9144e+01	0.0000e+00	-1.0261e+03	0.0000e+00	-7.8165e+03
	328	0.0000e+00	6.9144e+01	0.0000e+00	1.0261e+03	0.0000e+00	-1.4206e+04
460	270	7.2760e-12	-2.1472e+01	4.5475e-13	9.8296e+02	-2.9104e-11	-3.6469e+03
	287	-7.2760e-12	2.1472e+01	-4.5475e-13	-9.8296e+02	0.0000e+00	-3.0739e+03
461	74	-7.2760e-12	-4.3141e+01	-4.5475e-13	1.0066e+04	0.0000e+00	-1.0755e+04
	270	7.2760e-12	4.3141e+01	4.5475e-13	-1.0066e+04	0.0000e+00	-2.6777e+03
470	177	0.0000e+00	-4.8297e+01	0.0000e+00	1.3193e+03	0.0000e+00	-1.1091e+04
	306	0.0000e+00	4.8297e+01	0.0000e+00	-1.3193e+03	-7.2760e-12	-1.3975e+04
471	313	0.0000e+00	-4.9958e+01	-9.0949e-13	2.0204e+03	-5.8208e-11	-1.1379e+04
	177	0.0000e+00	4.9958e+01	9.0949e-13	-2.0204e+03	-5.8208e-11	1.7122e+03
472	303	-7.2760e-12	6.6180e+02	-4.5475e-13	-6.7581e+02	5.8208e-11	3.6990e+04
	117	7.2760e-12	-6.6180e+02	4.5475e-13	6.7581e+02	2.9104e-11	8.1232e+04
473	111	0.0000e+00	-1.5094e+02	4.5475e-13	3.1326e+03	2.9104e-11	-8.6433e+03
	118	0.0000e+00	1.5094e+02	-4.5475e-13	-3.1326e+03	2.9104e-11	-1.3676e+04
474	100	0.0000e+00	-1.0781e+02	-1.1369e-13	2.9251e+03	0.0000e+00	-9.2568e+03

	111	0.0000e+00	1.0781e+02	1.1369e-13	-2.9251e+03	-3.6380e-12	-9.3940e+03
475	87	0.0000e+00	-2.0180e+02	-3.4106e-13	3.1844e+03	1.4552e-11	-1.7275e+04
	100	0.0000e+00	2.0180e+02	3.4106e-13	-3.1844e+03	1.4552e-11	-1.2565e+04
476	100	-1.7621e-12	-4.3890e+01	-1.1369e-13	3.0767e+03	-3.6380e-11	-3.5036e+03
	299	1.7621e-12	4.3890e+01	1.1369e-13	-3.0767e+03	-5.8208e-11	-3.8805e+03
477	118	-7.2760e-12	4.7370e+02	0.0000e+00	6.0074e+02	7.2760e-12	4.1161e+04
	304	7.2760e-12	-4.7370e+02	0.0000e+00	-6.0074e+02	0.0000e+00	3.0918e+04
478	311	0.0000e+00	7.1488e+01	0.0000e+00	2.6391e+03	0.0000e+00	1.8936e+04
	298	0.0000e+00	-7.1488e+01	0.0000e+00	-2.6391e+03	-1.4552e-11	1.8166e+04
479	307	0.0000e+00	2.7651e+02	0.0000e+00	-2.2627e+03	0.0000e+00	2.7850e+04
	311	0.0000e+00	-2.7651e+02	0.0000e+00	2.2627e+03	-5.8208e-11	2.5655e+04
480	312	-3.6380e-12	4.2195e+01	0.0000e+00	2.5021e+03	-3.6380e-12	1.1022e+04
	325	3.6380e-12	-4.2195e+01	0.0000e+00	-2.5021e+03	0.0000e+00	1.0878e+04
481	300	0.0000e+00	1.9673e+02	0.0000e+00	6.4082e+01	5.8208e-11	1.9238e+04
	312	0.0000e+00	-1.9673e+02	0.0000e+00	-6.4082e+01	0.0000e+00	1.8830e+04
482	305	0.0000e+00	-2.2131e+01	-5.6843e-14	2.5391e+03	-7.2760e-12	-5.7665e+03
	332	0.0000e+00	2.2131e+01	5.6843e-14	-2.5391e+03	1.4552e-11	-5.7196e+03
483	302	0.0000e+00	-4.5194e+01	-1.8190e-12	3.5809e+01	0.0000e+00	-4.9210e+03
	305	0.0000e+00	4.5194e+01	1.8190e-12	-3.5809e+01	2.3283e-10	-3.8241e+03
484	316	2.1828e-11	-5.0826e+02	3.5527e-15	6.1810e+03	-1.8190e-12	-1.2151e+05
	74	-2.1828e-11	5.0826e+02	-3.5527e-15	-6.1810e+03	0.0000e+00	-1.5651e+05
485	81	0.0000e+00	-6.2568e+02	-2.1316e-14	4.0166e+03	-5.4570e-12	-1.7376e+05
	316	0.0000e+00	6.2568e+02	2.1316e-14	-4.0166e+03	-7.2760e-12	-1.3533e+05
486	309	7.2760e-12	4.3298e+02	-7.1054e-15	6.0518e+03	-1.8190e-12	8.1520e+04
	124	-7.2760e-12	-4.3298e+02	7.1054e-15	-6.0518e+03	-2.7285e-12	1.5100e+05
487	164	7.2760e-12	5.1860e+02	-7.1054e-15	4.8542e+03	-3.6380e-12	1.6756e+05
	309	-7.2760e-12	-5.1860e+02	7.1054e-15	-4.8542e+03	0.0000e+00	9.3829e+04
488	318	0.0000e+00	2.7319e+02	-9.0949e-13	-4.4650e+03	-1.1642e-10	2.5234e+04
	317	0.0000e+00	-2.7319e+02	9.0949e-13	4.4650e+03	-1.1642e-10	2.7628e+04
489	298	0.0000e+00	6.2705e+01	0.0000e+00	3.3158e+03	7.2760e-12	1.6918e+04
	318	0.0000e+00	-6.2705e+01	0.0000e+00	-3.3158e+03	7.2760e-12	1.7695e+04
490	322	-1.4552e-11	1.9984e+02	-9.0949e-13	-2.3159e+03	-5.8208e-11	1.8558e+04
	324	1.4552e-11	-1.9984e+02	9.0949e-13	2.3159e+03	0.0000e+00	2.0112e+04
491	325	3.6380e-12	5.2202e+01	-5.6843e-14	3.5126e+03	1.4552e-11	1.4497e+04
	322	-3.6380e-12	-5.2202e+01	5.6843e-14	-3.5126e+03	2.9104e-11	1.4318e+04
492	327	0.0000e+00	9.3344e+01	0.0000e+00	-2.2066e+03	-5.8208e-11	7.5919e+03
	331	0.0000e+00	-9.3344e+01	0.0000e+00	2.2066e+03	0.0000e+00	1.0470e+04
493	304	0.0000e+00	7.4107e+01	0.0000e+00	4.7821e+03	-1.8190e-12	1.6849e+04
	327	0.0000e+00	-7.4107e+01	0.0000e+00	-4.7821e+03	-9.0949e-13	2.4058e+04
494	315	1.0232e-12	2.1784e+01	0.0000e+00	-2.3503e+03	5.8208e-11	1.9796e+03
	319	-1.0232e-12	-2.1784e+01	0.0000e+00	2.3503e+03	0.0000e+00	2.2357e+03
495	299	2.8422e-13	7.5825e+00	0.0000e+00	4.6794e+03	-2.9104e-11	2.1705e+03
	315	-2.8422e-13	-7.5825e+00	0.0000e+00	-4.6794e+03	-2.5466e-11	2.0150e+03
496	328	0.0000e+00	-4.7805e+01	0.0000e+00	4.7198e+01	0.0000e+00	-3.9977e+03
	310	0.0000e+00	4.7805e+01	0.0000e+00	-4.7198e+01	-5.8208e-11	-5.2662e+03
497	332	0.0000e+00	-1.6802e+01	-2.8422e-14	4.1644e+03	-1.4552e-11	-4.5828e+03
	328	0.0000e+00	1.6802e+01	2.8422e-14	-4.1644e+03	-7.2760e-12	-4.6921e+03
498	270	0.0000e+00	-6.9193e+01	0.0000e+00	7.5651e+03	-3.4925e-10	2.1903e+03
	323	0.0000e+00	6.9193e+01	0.0000e+00	-7.5651e+03	0.0000e+00	-1.5579e+04
499	306	-7.2760e-12	-4.7525e+01	0.0000e+00	7.5868e+02	-1.4552e-11	-1.5101e+04

	270	7.2760e-12	4.7525e+01	0.0000e+00	-7.5868e+02	-2.9104e-11	-1.1132e+04
500	287	0.0000e+00	-3.4409e+01	0.0000e+00	1.1395e+04	-2.9104e-11	1.7961e+04
	329	0.0000e+00	3.4409e+01	0.0000e+00	-1.1395e+04	-2.9104e-11	-2.4620e+04
501	333	3.6380e-12	-8.2081e+01	3.5527e-15	5.0479e+02	5.4570e-12	-2.5338e+04
	287	-3.6380e-12	8.2081e+01	-3.5527e-15	-5.0479e+02	3.6380e-12	-1.9971e+04
502	301	0.0000e+00	-1.0663e+02	0.0000e+00	3.5167e+03	0.0000e+00	-2.7799e+04
	333	0.0000e+00	1.0663e+02	0.0000e+00	-3.5167e+03	0.0000e+00	-2.7543e+04
503	308	0.0000e+00	-2.8061e+02	-2.2737e-13	1.6994e+03	0.0000e+00	-3.5760e+04
	301	0.0000e+00	2.8061e+02	2.2737e-13	-1.6994e+03	2.9104e-11	-1.8618e+04
504	173	1.4552e-11	-1.5656e+01	-1.3642e-12	9.4780e+03	0.0000e+00	-2.6505e+02
	83	-1.4552e-11	1.5656e+01	1.3642e-12	-9.4780e+03	1.1642e-10	-4.6095e+03
505	350	0.0000e+00	-1.4878e+01	0.0000e+00	6.0166e+01	0.0000e+00	-3.6234e+03
	173	0.0000e+00	1.4878e+01	0.0000e+00	-6.0166e+01	0.0000e+00	-1.0335e+03
506	174	1.4552e-11	-7.0050e+00	9.0949e-13	8.0828e+03	-2.3283e-10	7.1209e+02
	85	-1.4552e-11	7.0050e+00	-9.0949e-13	-8.0828e+03	0.0000e+00	-2.8932e+03
507	453	0.0000e+00	-7.8601e+00	0.0000e+00	7.3597e+02	1.1642e-10	-2.2640e+03
	174	0.0000e+00	7.8601e+00	0.0000e+00	-7.3597e+02	5.8208e-11	-1.9615e+02
508	122	-2.9104e-11	1.8893e+01	2.2737e-13	7.1684e+01	0.0000e+00	2.7316e+03
	461	2.9104e-11	-1.8893e+01	-2.2737e-13	-7.1684e+01	0.0000e+00	3.4152e+03
509	475	-2.2737e-13	8.0315e+01	-1.7764e-15	-1.1391e+03	6.8212e-13	2.2747e+04
	471	2.2737e-13	-8.0315e+01	1.7764e-15	1.1391e+03	4.5475e-13	1.8495e+04
510	484	-2.2737e-13	2.0199e+01	5.6843e-14	-4.0912e+03	0.0000e+00	2.3620e+02
	482	2.2737e-13	-2.0199e+01	-5.6843e-14	4.0912e+03	-7.2760e-12	2.1765e+03
511	486	0.0000e+00	-1.0970e+00	6.9389e-17	-4.7538e+02	-4.2633e-14	-2.7227e+02
	484	0.0000e+00	1.0970e+00	-6.9389e-17	4.7538e+02	-4.2633e-14	-3.4426e+02
512	161	0.0000e+00	-9.7337e+00	0.0000e+00	-1.8089e+03	-3.6380e-12	-2.5263e+02
	486	0.0000e+00	9.7337e+00	0.0000e+00	1.8089e+03	-3.6380e-12	-9.0081e+02
513	483	2.2737e-13	-1.0014e+01	-1.7764e-15	-2.5066e+02	2.2737e-13	-3.0999e+03
	470	-2.2737e-13	1.0014e+01	1.7764e-15	2.5066e+02	4.5475e-13	-2.0421e+03
514	490	1.8190e-12	-5.0096e+02	0.0000e+00	-2.0196e+03	-3.6380e-12	-2.0273e+04
	488	-1.8190e-12	5.0096e+02	0.0000e+00	2.0196e+03	0.0000e+00	-3.1577e+04
515	479	0.0000e+00	1.0487e+01	0.0000e+00	-8.6365e+01	9.0949e-13	9.8811e+02
	478	0.0000e+00	-1.0487e+01	0.0000e+00	8.6365e+01	0.0000e+00	1.3558e+03
516	475	0.0000e+00	-1.1825e+01	0.0000e+00	6.0174e+01	4.5475e-13	-1.4905e+03
	474	0.0000e+00	1.1825e+01	0.0000e+00	-6.0174e+01	4.5475e-13	-1.1524e+03
517	483	0.0000e+00	-4.6988e+00	0.0000e+00	3.1728e+03	4.5475e-13	-1.9473e+03
	482	0.0000e+00	4.6988e+00	0.0000e+00	-3.1728e+03	9.0949e-13	8.9713e+02
518	488	4.5475e-13	-2.8848e+00	1.4211e-14	1.8415e+02	0.0000e+00	-7.0541e+02
	489	-4.5475e-13	2.8848e+00	-1.4211e-14	-1.8415e+02	0.0000e+00	6.0649e+01
519	497	3.6380e-12	6.9044e+02	-1.8190e-12	2.3964e+03	-1.4552e-11	6.0907e+03
	498	-3.6380e-12	-6.9044e+02	1.8190e-12	-2.3964e+03	7.2760e-12	3.6736e+03
520	495	-1.8190e-12	-1.1170e+03	-2.7285e-12	3.9596e+03	-1.4552e-11	-8.7401e+03
	499	1.8190e-12	1.1170e+03	2.7285e-12	-3.9596e+03	-1.4552e-11	-7.0562e+03
521	503	-1.1369e-13	3.8951e+00	2.6645e-15	1.2154e+02	-2.2737e-13	8.1217e+02
	504	1.1369e-13	-3.8951e+00	-2.6645e-15	-1.2154e+02	0.0000e+00	6.7574e+02
522	502	-7.2760e-12	1.8648e+03	1.8190e-12	7.2429e+03	0.0000e+00	7.7074e+03
	503	7.2760e-12	-1.8648e+03	-1.8190e-12	-7.2429e+03	-1.4552e-11	3.1852e+04
523	501	0.0000e+00	4.8293e+01	3.5527e-15	1.1562e+03	0.0000e+00	6.0628e+03
	502	0.0000e+00	-4.8293e+01	-3.5527e-15	-1.1562e+03	4.5475e-13	2.0022e+03
524	500	0.0000e+00	1.9216e+00	-5.5511e-17	5.6399e+02	-6.9633e-13	1.2168e+03

	501	0.0000e+00	-1.9216e+00	5.5511e-17	-5.6399e+02	-5.4001e-13	-6.9796e+02
525	492	1.8190e-12	-2.7825e+03	9.0949e-13	5.6567e+03	7.2760e-12	-4.0261e+04
	500	-1.8190e-12	2.7825e+03	-9.0949e-13	-5.6567e+03	7.2760e-12	-1.8766e+04
526	493	2.2737e-13	-2.7389e+00	0.0000e+00	6.5080e+02	0.0000e+00	-9.9334e+02
	492	-2.2737e-13	2.7389e+00	0.0000e+00	-6.5080e+02	0.0000e+00	-5.2938e+01
527	489	0.0000e+00	-2.0228e+01	0.0000e+00	6.5595e+02	2.2737e-13	-5.3503e+03
	161	0.0000e+00	2.0228e+01	0.0000e+00	-6.5595e+02	0.0000e+00	-4.6423e+03
528	167	0.0000e+00	7.9609e-01	0.0000e+00	-6.3061e+00	2.9104e-11	4.5984e+02
	166	0.0000e+00	-7.9609e-01	0.0000e+00	6.3061e+00	0.0000e+00	-2.8191e+02
529	129	-1.4552e-11	-3.0858e-01	0.0000e+00	-2.4384e+02	-2.9104e-11	-3.5628e+02
	128	1.4552e-11	3.0858e-01	0.0000e+00	2.4384e+02	-5.8208e-11	2.8731e+02
530	77	0.0000e+00	3.0906e+00	6.8212e-13	-4.4171e+02	-2.9104e-11	6.8041e+02
	76	0.0000e+00	-3.0906e+00	-6.8212e-13	4.4171e+02	-2.9104e-11	1.0343e+01
531	82	1.4552e-11	-2.6792e+00	2.2737e-13	-1.1522e+02	-2.9104e-11	-7.0573e+02
	83	-1.4552e-11	2.6792e+00	-2.2737e-13	1.1522e+02	-2.9104e-11	1.0693e+02
532	114	0.0000e+00	-5.9288e+02	0.0000e+00	-3.5249e+03	-2.3283e-10	-2.5160e+03
	107	0.0000e+00	5.9288e+02	0.0000e+00	3.5249e+03	-2.3283e-10	-5.8686e+03
533	101	5.8208e-11	5.1993e+02	0.0000e+00	-3.2818e+03	0.0000e+00	1.8093e+03
	108	-5.8208e-11	-5.1993e+02	0.0000e+00	3.2818e+03	0.0000e+00	5.5437e+03
534	119	7.2760e-12	4.7705e-01	2.8422e-14	1.1845e+03	-3.6380e-12	6.7707e+01
	121	-7.2760e-12	-4.7705e-01	-2.8422e-14	-1.1845e+03	-7.2760e-12	1.1453e+02
535	176	0.0000e+00	3.8892e+02	-2.9104e-11	2.1520e+04	0.0000e+00	-1.8637e+04
	119	0.0000e+00	-3.8892e+02	2.9104e-11	-2.1520e+04	0.0000e+00	2.6888e+04
536	95	0.0000e+00	3.8892e+02	-2.2737e-13	2.0387e+03	2.9104e-11	3.6554e+04
	176	0.0000e+00	-3.8892e+02	2.2737e-13	-2.0387e+03	1.4552e-11	2.8396e+04
537	96	0.0000e+00	1.4301e+00	0.0000e+00	1.8794e+03	-1.8190e-12	9.9860e+01
	95	0.0000e+00	-1.4301e+00	0.0000e+00	-1.8794e+03	0.0000e+00	2.8626e+02
538	88	5.8208e-11	2.4783e+03	-5.8208e-11	-4.5868e+03	2.3283e-10	2.5970e+04
	96	-5.8208e-11	-2.4783e+03	5.8208e-11	4.5868e+03	2.3283e-10	2.6603e+04
539	89	1.8190e-12	1.3977e-01	-2.8422e-14	1.0954e+03	0.0000e+00	8.0070e+01
	88	-1.8190e-12	-1.3977e-01	2.8422e-14	-1.0954e+03	-3.6380e-12	-2.6677e+01
540	170	2.9104e-11	-3.6259e+00	0.0000e+00	-4.8049e+02	2.9104e-11	6.7499e+01
	169	-2.9104e-11	3.6259e+00	0.0000e+00	4.8049e+02	-2.9104e-11	-8.7790e+02
541	163	-2.9104e-11	3.1384e+00	-4.5475e-13	-6.9112e+02	0.0000e+00	-6.0011e+01
	162	2.9104e-11	-3.1384e+00	4.5475e-13	6.9112e+02	0.0000e+00	7.6144e+02
542	79	0.0000e+00	-5.1343e+00	0.0000e+00	-9.0336e+02	-2.9104e-11	-1.4161e+02
	78	0.0000e+00	5.1343e+00	0.0000e+00	9.0336e+02	0.0000e+00	-1.0059e+03
543	84	0.0000e+00	4.8765e+00	2.2737e-13	-6.1048e+02	0.0000e+00	4.0731e+01
	85	0.0000e+00	-4.8765e+00	-2.2737e-13	6.1048e+02	0.0000e+00	1.0492e+03
544	116	-4.0395e+01	3.3310e+00	4.4981e+01	-1.2544e+03	-2.5983e+03	3.6680e+02
	109	4.0395e+01	-3.3310e+00	-4.4981e+01	1.2544e+03	1.9622e+03	-3.1970e+02
545	103	4.0052e+01	4.8582e+01	4.5795e+01	-1.6530e+03	-2.5789e+03	-8.0846e+01
	110	-4.0052e+01	-4.8582e+01	-4.5795e+01	1.6530e+03	1.9313e+03	7.6789e+02
546	122	3.6380e-12	-2.9051e-01	2.8422e-14	6.1064e+02	-2.1828e-11	-8.2765e+01
	123	-3.6380e-12	2.9051e-01	-2.8422e-14	-6.1064e+02	-1.4552e-11	-2.8212e+01
547	175	5.8208e-11	3.6447e+02	0.0000e+00	1.9593e+04	-4.6566e-10	-1.6952e+04
	122	-5.8208e-11	-3.6447e+02	0.0000e+00	-1.9593e+04	0.0000e+00	2.4684e+04
548	97	-2.9104e-11	3.6447e+02	0.0000e+00	1.8672e+03	2.9104e-11	3.5025e+04
	175	2.9104e-11	-3.6447e+02	0.0000e+00	-1.8672e+03	1.4552e-11	2.5841e+04
549	98	7.2760e-12	1.1787e+00	1.4211e-14	1.7945e+03	-7.2760e-12	8.6134e+01

	97	-7.2760e-12	-1.1787e+00	-1.4211e-14	-1.7945e+03	-4.5475e-12	2.3211e+02
550	90	1.1642e-10	1.3795e+03	-5.8208e-11	-6.0198e+03	4.6566e-10	1.2446e+04
	98	-1.1642e-10	-1.3795e+03	5.8208e-11	6.0198e+03	4.6566e-10	1.6818e+04
551	92	0.0000e+00	6.0864e-01	1.4211e-13	6.9608e+02	-7.2760e-12	1.6756e+02
	90	0.0000e+00	-6.0864e-01	-1.4211e-13	-6.9608e+02	-7.2760e-12	6.4939e+01
552	429	6.8212e-13	-4.8415e+01	-2.2737e-13	-1.2604e+04	0.0000e+00	-7.4552e+03
	442	-6.8212e-13	4.8415e+01	2.2737e-13	1.2604e+04	0.0000e+00	-7.7955e+03
553	435	-9.0949e-13	-3.6742e+01	0.0000e+00	6.5218e+02	-2.9104e-11	-7.9647e+03
	429	9.0949e-13	3.6742e+01	0.0000e+00	-6.5218e+02	-2.9104e-11	-3.7193e+03
554	458	-1.1369e-12	5.6335e+01	0.0000e+00	6.2280e+03	0.0000e+00	1.2245e+04
	435	1.1369e-12	-5.6335e+01	0.0000e+00	-6.2280e+03	-4.3656e-11	5.6698e+03
555	467	1.8190e-12	-1.2244e+02	-5.6843e-14	-2.6597e+03	7.2760e-12	-1.5189e+04
	458	-1.8190e-12	1.2244e+02	5.6843e-14	2.6597e+03	3.6380e-12	-2.3746e+04
556	449	0.0000e+00	-3.0351e+01	-5.6843e-14	1.9707e+03	0.0000e+00	-9.3860e+03
	467	0.0000e+00	3.0351e+01	5.6843e-14	-1.9707e+03	0.0000e+00	-4.7805e+02
557	447	1.5916e-12	-3.9575e+01	-1.1369e-13	-3.6735e+02	1.4552e-11	-6.3581e+03
	449	-1.5916e-12	3.9575e+01	1.1369e-13	3.6735e+02	1.4552e-11	-6.2467e+03
558	445	-2.2737e-13	-3.6785e+01	0.0000e+00	3.8980e+03	2.9104e-11	-5.8077e+03
	447	2.2737e-13	3.6785e+01	0.0000e+00	-3.8980e+03	5.8208e-11	-5.7059e+03
559	456	0.0000e+00	-4.8276e+01	4.5475e-13	-4.8664e+03	-8.7311e-11	-6.7779e+03
	445	0.0000e+00	4.8276e+01	-4.5475e-13	4.8664e+03	-5.8208e-11	-8.2436e+03
560	452	0.0000e+00	-5.8718e+01	0.0000e+00	3.1769e+02	5.8208e-11	-8.7751e+03
	453	0.0000e+00	5.8718e+01	0.0000e+00	-3.1769e+02	0.0000e+00	-9.9265e+03
561	90	2.9104e-11	-2.0924e+02	-4.5475e-13	1.2490e+03	-5.8208e-11	-1.8938e+04
	452	-2.9104e-11	2.0924e+02	4.5475e-13	-1.2490e+03	-2.9104e-11	-1.6563e+04
562	424	-1.4552e-11	-5.9729e+00	-9.0949e-13	6.9348e+03	2.3283e-10	-1.7436e+03
	169	1.4552e-11	5.9729e+00	9.0949e-13	-6.9348e+03	1.1642e-10	-1.6978e+02
563	461	0.0000e+00	4.9109e+01	-4.5475e-13	1.2925e+03	0.0000e+00	7.7672e+03
	424	0.0000e+00	-4.9109e+01	4.5475e-13	-1.2925e+03	1.7462e-10	7.8495e+03
572	420	0.0000e+00	-3.9772e+01	0.0000e+00	6.2469e+03	1.1642e-10	-5.2921e+03
	162	0.0000e+00	3.9772e+01	0.0000e+00	-6.2469e+03	1.1642e-10	-7.4490e+03
573	436	0.0000e+00	-9.2429e+01	0.0000e+00	2.3616e+03	0.0000e+00	-1.4465e+04
	420	0.0000e+00	9.2429e+01	0.0000e+00	-2.3616e+03	5.8208e-11	-1.4928e+04
574	431	0.0000e+00	-8.7986e+01	-6.8212e-13	2.5246e+03	-5.8208e-11	-1.3857e+04
	436	0.0000e+00	8.7986e+01	6.8212e-13	-2.5246e+03	-1.1642e-10	-1.4123e+04
575	440	-1.4552e-11	-9.2711e+01	1.1369e-13	5.6560e+02	0.0000e+00	-1.4788e+04
	431	1.4552e-11	9.2711e+01	-1.1369e-13	-5.6560e+02	0.0000e+00	-1.4694e+04
576	422	-1.4552e-11	-9.0747e+01	0.0000e+00	1.3585e+03	0.0000e+00	-1.5059e+04
	440	1.4552e-11	9.0747e+01	0.0000e+00	-1.3585e+03	0.0000e+00	-1.4434e+04
577	416	0.0000e+00	-4.6927e+01	0.0000e+00	-5.2632e+02	-2.9104e-11	-5.1870e+03
	422	0.0000e+00	4.6927e+01	0.0000e+00	5.2632e+02	0.0000e+00	-9.7591e+03
578	426	0.0000e+00	-6.7359e+00	4.5475e-13	1.4748e+03	5.8208e-11	-1.2720e+03
	416	0.0000e+00	6.7359e+00	-4.5475e-13	-1.4748e+03	1.1642e-10	-8.3630e+02
579	78	0.0000e+00	-2.1795e+01	-9.0949e-13	8.1679e+03	0.0000e+00	-6.6569e+03
	426	0.0000e+00	2.1795e+01	9.0949e-13	-8.1679e+03	0.0000e+00	-1.2915e+02
588	174	0.0000e+00	-3.6066e+01	0.0000e+00	8.1196e+02	-1.4552e-11	-9.0793e+03
	445	0.0000e+00	3.6066e+01	0.0000e+00	-8.1196e+02	-1.4552e-11	-9.6387e+03
589	432	0.0000e+00	-3.5211e+01	-1.8190e-12	6.8624e+02	-2.3283e-10	-8.5207e+03
	174	0.0000e+00	3.5211e+01	1.8190e-12	-6.8624e+02	-1.1642e-10	1.7075e+03
590	439	-1.4552e-11	4.0082e+02	0.0000e+00	-1.5171e+03	1.1642e-10	1.7268e+04

	122	1.4552e-11	-4.0082e+02	0.0000e+00	1.5171e+03	1.1642e-10	5.4333e+04
591	115	0.0000e+00	-7.4572e+01	-9.0949e-13	3.2805e+03	1.1642e-10	-2.7537e+03
	123	0.0000e+00	7.4572e+01	9.0949e-13	-3.2805e+03	5.8208e-11	-8.2730e+03
592	104	0.0000e+00	-7.1849e+01	4.5475e-13	3.0765e+03	0.0000e+00	-5.9451e+03
	115	0.0000e+00	7.1849e+01	-4.5475e-13	-3.0765e+03	2.9104e-11	-6.4848e+03
593	92	0.0000e+00	-1.4104e+02	-6.8212e-13	3.3554e+03	5.8208e-11	-1.2939e+04
	104	0.0000e+00	1.4104e+02	6.8212e-13	-3.3554e+03	5.8208e-11	-7.9156e+03
594	104	-5.4570e-12	-5.8822e+01	0.0000e+00	3.8453e+03	4.3656e-11	-4.6706e+03
	467	5.4570e-12	5.8822e+01	0.0000e+00	-3.8453e+03	-2.9104e-11	-5.2257e+03
595	123	0.0000e+00	4.1233e+02	9.0949e-13	1.3285e+03	-7.2760e-11	3.8070e+04
	458	0.0000e+00	-4.1233e+02	-9.0949e-13	-1.3285e+03	-5.8208e-11	2.4670e+04
596	424	0.0000e+00	4.3661e+01	0.0000e+00	1.9460e+03	-7.2760e-12	1.2061e+04
	429	0.0000e+00	-4.3661e+01	0.0000e+00	-1.9460e+03	-1.4552e-11	1.0599e+04
598	461	0.0000e+00	2.8815e+01	0.0000e+00	2.2425e+03	-1.4552e-11	7.8443e+03
	435	0.0000e+00	-2.8815e+01	0.0000e+00	-2.2425e+03	-1.4552e-11	7.1108e+03
599	459	0.0000e+00	1.0789e+02	0.0000e+00	-7.1092e+02	-1.1642e-10	1.0731e+04
	461	0.0000e+00	-1.0789e+02	0.0000e+00	7.1092e+02	-1.1642e-10	1.0145e+04
600	452	0.0000e+00	-1.3842e+01	-5.6843e-14	1.1985e+03	-2.1828e-11	-3.7708e+03
	449	0.0000e+00	1.3842e+01	5.6843e-14	-1.1985e+03	-2.9104e-11	-3.4134e+03
601	423	0.0000e+00	-7.9490e+00	1.8190e-12	-6.0515e+02	2.3283e-10	-1.3803e+03
	452	0.0000e+00	7.9490e+00	-1.8190e-12	6.0515e+02	0.0000e+00	-1.5782e+02
602	456	0.0000e+00	-3.7454e+02	-2.8422e-14	4.9824e+03	0.0000e+00	-7.8957e+04
	78	0.0000e+00	3.7454e+02	2.8422e-14	-4.9824e+03	0.0000e+00	-1.2591e+05
603	85	2.9104e-11	-4.5901e+02	-2.8422e-14	3.6050e+03	-7.2760e-12	-1.3924e+05
	456	-2.9104e-11	4.5901e+02	2.8422e-14	-3.6050e+03	-7.2760e-12	-8.7515e+04
604	442	-2.9104e-11	3.1667e+02	0.0000e+00	4.9439e+03	0.0000e+00	4.6706e+04
	162	2.9104e-11	-3.1667e+02	0.0000e+00	-4.9439e+03	0.0000e+00	1.2335e+05
605	169	0.0000e+00	3.8337e+02	-1.4211e-14	4.2965e+03	-3.6380e-12	1.3725e+05
	442	0.0000e+00	-3.8337e+02	1.4211e-14	-4.2965e+03	0.0000e+00	5.5982e+04
606	420	2.9104e-11	1.5664e+02	1.8190e-12	-5.1529e+03	0.0000e+00	1.3634e+04
	419	-2.9104e-11	-1.5664e+02	-1.8190e-12	5.1529e+03	-2.3283e-10	1.6676e+04
607	429	0.0000e+00	4.1003e+01	-5.6843e-14	2.1659e+03	-1.4552e-11	1.0337e+04
	420	0.0000e+00	-4.1003e+01	5.6843e-14	-2.1659e+03	0.0000e+00	1.2297e+04
608	436	2.9104e-11	1.1468e+02	-1.8190e-12	-2.6707e+03	0.0000e+00	1.0297e+04
	443	-2.9104e-11	-1.1468e+02	1.8190e-12	2.6707e+03	-2.3283e-10	1.1892e+04
609	435	1.4552e-11	3.0049e+01	8.5265e-14	1.6529e+03	-1.4552e-11	8.0685e+03
	436	-1.4552e-11	-3.0049e+01	-8.5265e-14	-1.6529e+03	1.4552e-11	8.5184e+03
610	431	0.0000e+00	7.6375e+01	-9.0949e-13	-3.4768e+03	5.8208e-11	3.7167e+03
	417	0.0000e+00	-7.6375e+01	9.0949e-13	3.4768e+03	0.0000e+00	1.1062e+04
611	458	7.2760e-12	3.9445e+01	2.8422e-14	3.2537e+03	-7.2760e-12	6.5499e+03
	431	-7.2760e-12	-3.9445e+01	-2.8422e-14	-3.2537e+03	-5.4570e-12	1.5224e+04
612	440	0.0000e+00	9.4555e+00	-1.8190e-12	-2.6712e+03	4.6566e-10	8.5471e+02
	438	0.0000e+00	-9.4555e+00	1.8190e-12	2.6712e+03	1.1642e-10	9.7494e+02
613	467	2.2737e-13	5.3430e+00	-2.8422e-14	2.6984e+03	0.0000e+00	1.5855e+03
	440	-2.2737e-13	-5.3430e+00	2.8422e-14	-2.6984e+03	0.0000e+00	1.3638e+03
614	422	0.0000e+00	-2.2327e+01	0.0000e+00	-6.7456e+02	0.0000e+00	-1.5440e+03
	448	0.0000e+00	2.2327e+01	0.0000e+00	6.7456e+02	0.0000e+00	-2.7827e+03
615	449	0.0000e+00	-9.4685e+00	2.8422e-14	2.2992e+03	0.0000e+00	-2.4503e+03
	422	0.0000e+00	9.4685e+00	-2.8422e-14	-2.2992e+03	3.6380e-11	-2.7763e+03
616	426	5.8208e-11	-4.4047e+01	3.6380e-12	2.2946e+03	0.0000e+00	1.0099e+03

	433	-5.8208e-11	4.4047e+01	-3.6380e-12	-2.2946e+03	0.0000e+00	-9.5330e+03
617	445	0.0000e+00	-2.8989e+01	0.0000e+00	5.0007e+02	4.3656e-11	-8.3144e+03
	426	0.0000e+00	2.8989e+01	0.0000e+00	-5.0007e+02	1.4552e-11	-7.6872e+03
618	416	-2.9104e-11	-1.4388e+01	-9.0949e-13	6.5427e+03	0.0000e+00	1.3341e+04
	434	2.9104e-11	1.4388e+01	9.0949e-13	-6.5427e+03	0.0000e+00	-1.6125e+04
619	447	7.2760e-12	-5.4579e+01	-1.4211e-14	5.1935e+02	3.6380e-12	-1.4786e+04
	416	-7.2760e-12	5.4579e+01	1.4211e-14	-5.1935e+02	7.2760e-12	-1.5342e+04
620	453	0.0000e+00	-7.2572e+01	-1.4211e-14	2.7869e+03	0.0000e+00	-2.1175e+04
	447	0.0000e+00	7.2572e+01	1.4211e-14	-2.7869e+03	0.0000e+00	-1.6490e+04
621	468	0.0000e+00	-1.0729e+02	0.0000e+00	2.2862e+02	-1.1642e-10	-1.8831e+04
	453	0.0000e+00	1.0729e+02	0.0000e+00	-2.2862e+02	-5.8208e-11	-1.9608e+03
622	364	-1.8190e-12	-9.5825e+01	-2.2737e-13	-1.2396e+04	0.0000e+00	-1.4654e+04
	363	1.8190e-12	9.5825e+01	2.2737e-13	1.2396e+04	0.0000e+00	-1.5531e+04
623	382	-2.7285e-12	-6.9484e+01	1.1369e-13	2.6502e+03	0.0000e+00	-1.2504e+04
	364	2.7285e-12	6.9484e+01	-1.1369e-13	-2.6502e+03	-1.4552e-11	-9.5919e+03
624	339	-9.0949e-13	2.5034e+01	3.4106e-13	7.6756e+03	1.4552e-11	6.8116e+03
	382	9.0949e-13	-2.5034e+01	-3.4106e-13	-7.6756e+03	1.4552e-11	1.1492e+03
625	334	-1.8190e-12	-1.7043e+02	2.8422e-14	-9.3444e+02	7.2760e-12	-2.3942e+04
	339	1.8190e-12	1.7043e+02	-2.8422e-14	9.3444e+02	0.0000e+00	-3.0256e+04
626	378	-1.8190e-12	-8.7141e+01	0.0000e+00	3.0932e+03	-3.6380e-12	-1.7862e+04
	334	1.8190e-12	8.7141e+01	0.0000e+00	-3.0932e+03	-7.2760e-12	-1.0459e+04
627	384	-9.0949e-13	-8.6006e+01	0.0000e+00	4.8982e+02	1.4552e-11	-1.3726e+04
	378	9.0949e-13	8.6006e+01	0.0000e+00	-4.8982e+02	0.0000e+00	-1.3667e+04
628	362	-1.8190e-12	-8.3117e+01	1.1369e-13	6.7259e+03	2.9104e-11	-1.2997e+04
	384	1.8190e-12	8.3117e+01	-1.1369e-13	-6.7259e+03	2.9104e-11	-1.3018e+04
629	347	1.1369e-12	-9.9943e+01	-2.2737e-13	-2.3896e+03	8.7311e-11	-1.4422e+04
	362	-1.1369e-12	9.9943e+01	2.2737e-13	2.3896e+03	5.8208e-11	-1.6676e+04
630	338	0.0000e+00	-7.8066e+01	0.0000e+00	3.8851e+02	-2.9104e-11	-1.2088e+04
	350	0.0000e+00	7.8066e+01	0.0000e+00	-3.8851e+02	-2.9104e-11	-1.2776e+04
631	88	-1.4552e-11	-2.5994e+02	-4.5475e-13	1.6760e+03	0.0000e+00	-2.2376e+04
	338	1.4552e-11	2.5994e+02	4.5475e-13	-1.6760e+03	-5.8208e-11	-2.1726e+04
632	356	0.0000e+00	9.1182e-01	-9.0949e-13	5.6706e+03	-1.1642e-10	-5.5288e+02
	166	0.0000e+00	-9.1182e-01	9.0949e-13	-5.6706e+03	-5.8208e-11	8.4498e+02
633	348	7.2760e-12	6.3323e+01	4.5475e-13	2.3029e+03	5.8208e-11	9.9877e+03
	356	-7.2760e-12	-6.3323e+01	-4.5475e-13	-2.3029e+03	0.0000e+00	1.0149e+04
634	119	0.0000e+00	3.5978e+01	0.0000e+00	1.0540e+03	0.0000e+00	5.8264e+03
	348	0.0000e+00	-3.5978e+01	0.0000e+00	-1.0540e+03	0.0000e+00	5.8788e+03
643	381	0.0000e+00	-7.3055e+01	4.5475e-13	5.6863e+03	0.0000e+00	-1.0694e+04
	128	0.0000e+00	7.3055e+01	-4.5475e-13	-5.6863e+03	0.0000e+00	-1.2709e+04
644	376	0.0000e+00	-1.3481e+02	-4.5475e-13	2.6632e+03	0.0000e+00	-2.1279e+04
	381	0.0000e+00	1.3481e+02	4.5475e-13	-2.6632e+03	5.8208e-11	-2.1590e+04
645	373	0.0000e+00	-1.3361e+02	0.0000e+00	2.9849e+03	0.0000e+00	-2.1225e+04
	376	0.0000e+00	1.3361e+02	0.0000e+00	-2.9849e+03	0.0000e+00	-2.1264e+04
646	361	-7.2760e-12	-1.3936e+02	1.1369e-13	1.0620e+03	0.0000e+00	-2.2146e+04
	373	7.2760e-12	1.3936e+02	-1.1369e-13	-1.0620e+03	0.0000e+00	-2.2170e+04
647	375	1.4552e-11	-1.3233e+02	-5.6843e-14	1.8759e+03	7.2760e-12	-2.1697e+04
	361	-1.4552e-11	1.3233e+02	5.6843e-14	-1.8759e+03	0.0000e+00	-2.1309e+04
648	369	7.2760e-12	-6.7716e+01	0.0000e+00	-1.0952e+03	0.0000e+00	-7.6515e+03
	375	-7.2760e-12	6.7716e+01	0.0000e+00	1.0952e+03	0.0000e+00	-1.3916e+04
649	388	-1.4552e-11	-2.2704e+01	4.5475e-13	9.4015e+02	-5.8208e-11	-3.8605e+03

	369	1.4552e-11	2.2704e+01	-4.5475e-13	-9.4015e+02	0.0000e+00	-3.2460e+03
650	76	-7.2760e-12	-4.2972e+01	-4.5475e-13	9.9852e+03	0.0000e+00	-1.0849e+04
	388	7.2760e-12	4.2972e+01	4.5475e-13	-9.9852e+03	0.0000e+00	-2.5303e+03
659	173	0.0000e+00	-4.9285e+01	0.0000e+00	1.1530e+03	0.0000e+00	-1.1174e+04
	362	0.0000e+00	4.9285e+01	0.0000e+00	-1.1530e+03	-1.4552e-11	-1.4405e+04
660	353	-2.9104e-11	-5.0063e+01	9.0949e-13	2.9078e+03	0.0000e+00	-1.1467e+04
	173	2.9104e-11	5.0063e+01	-9.0949e-13	-2.9078e+03	0.0000e+00	1.7803e+03
661	355	-7.2760e-12	5.8209e+02	0.0000e+00	-1.2289e+03	0.0000e+00	3.3366e+04
	119	7.2760e-12	-5.8209e+02	0.0000e+00	1.2289e+03	0.0000e+00	7.0617e+04
662	113	0.0000e+00	-1.2586e+02	-4.5475e-13	2.9668e+03	-5.8208e-11	-7.2186e+03
	121	0.0000e+00	1.2586e+02	4.5475e-13	-2.9668e+03	2.9104e-11	-1.1392e+04
663	102	0.0000e+00	-1.1264e+02	-1.1369e-13	2.7470e+03	0.0000e+00	-9.5138e+03
	113	0.0000e+00	1.1264e+02	1.1369e-13	-2.7470e+03	-7.2760e-12	-9.9732e+03
664	89	0.0000e+00	-1.9725e+02	-6.8212e-13	3.1165e+03	3.6380e-11	-1.6833e+04
	102	0.0000e+00	1.9725e+02	6.8212e-13	-3.1165e+03	5.8208e-11	-1.2333e+04
665	102	-1.2506e-12	-4.6152e+01	0.0000e+00	3.1767e+03	-5.8208e-11	-3.5773e+03
	334	1.2506e-12	4.6152e+01	0.0000e+00	-3.1767e+03	-5.8208e-11	-4.1874e+03
666	121	-7.2760e-12	4.6070e+02	-2.2737e-13	1.1044e+03	0.0000e+00	3.9978e+04
	339	7.2760e-12	-4.6070e+02	2.2737e-13	-1.1044e+03	0.0000e+00	3.0123e+04
667	356	0.0000e+00	7.5451e+01	5.6843e-14	2.7777e+03	0.0000e+00	1.9905e+04
	364	0.0000e+00	-7.5451e+01	-5.6843e-14	-2.7777e+03	-1.4552e-11	1.9254e+04
668	367	0.0000e+00	2.6428e+02	0.0000e+00	-2.1981e+03	0.0000e+00	2.6826e+04
	356	0.0000e+00	-2.6428e+02	0.0000e+00	2.1981e+03	-1.1642e-10	2.4312e+04
669	348	-7.2760e-12	4.4013e+01	0.0000e+00	2.6320e+03	-7.2760e-12	1.1452e+04
	382	7.2760e-12	-4.4013e+01	0.0000e+00	-2.6320e+03	-1.4552e-11	1.1391e+04
670	349	2.9104e-11	1.9392e+02	0.0000e+00	-1.2902e+02	0.0000e+00	1.9110e+04
	348	-2.9104e-11	-1.9392e+02	0.0000e+00	1.2902e+02	0.0000e+00	1.8413e+04
671	338	0.0000e+00	-2.3170e+01	0.0000e+00	2.7243e+03	0.0000e+00	-6.0357e+03
	378	0.0000e+00	2.3170e+01	0.0000e+00	-2.7243e+03	-2.9104e-11	-5.9895e+03
672	368	0.0000e+00	-3.4976e+01	-1.8190e-12	-2.5273e+02	0.0000e+00	-3.9813e+03
	338	0.0000e+00	3.4976e+01	1.8190e-12	2.5273e+02	4.6566e-10	-2.7867e+03
673	347	1.4552e-11	-5.1681e+02	7.1054e-15	6.4327e+03	0.0000e+00	-1.2543e+05
	76	-1.4552e-11	5.1681e+02	-7.1054e-15	-6.4327e+03	9.0949e-13	-1.5727e+05
674	83	0.0000e+00	-6.3359e+02	-4.2633e-14	4.5178e+03	-7.2760e-12	-1.7392e+05
	347	0.0000e+00	6.3359e+02	4.2633e-14	-4.5178e+03	-1.4552e-11	-1.3907e+05
675	363	0.0000e+00	4.2990e+02	-7.1054e-15	6.0337e+03	0.0000e+00	8.2969e+04
	128	0.0000e+00	-4.2990e+02	7.1054e-15	-6.0337e+03	-3.6380e-12	1.4790e+05
676	166	0.0000e+00	5.1558e+02	-1.4211e-14	5.1455e+03	-3.6380e-12	1.6450e+05
	363	0.0000e+00	-5.1558e+02	1.4211e-14	-5.1455e+03	-3.6380e-12	9.5361e+04
677	381	0.0000e+00	2.5445e+02	-9.0949e-13	-4.0132e+03	-3.4925e-10	2.3386e+04
	380	0.0000e+00	-2.5445e+02	9.0949e-13	4.0132e+03	-2.3283e-10	2.5850e+04
678	364	7.2760e-12	6.5842e+01	2.8422e-14	3.2800e+03	1.4552e-11	1.7875e+04
	381	-7.2760e-12	-6.5842e+01	-2.8422e-14	-3.2800e+03	1.0914e-11	1.8470e+04
679	376	0.0000e+00	1.9662e+02	0.0000e+00	-2.2714e+03	0.0000e+00	1.8124e+04
	370	0.0000e+00	-1.9662e+02	0.0000e+00	2.2714e+03	0.0000e+00	1.9922e+04
680	382	0.0000e+00	5.4675e+01	-1.1369e-13	3.5073e+03	2.9104e-11	1.5242e+04
	376	0.0000e+00	-5.4675e+01	1.1369e-13	-3.5073e+03	3.6380e-11	1.4939e+04
681	373	1.4552e-11	9.5097e+01	0.0000e+00	-2.1489e+03	-1.1642e-10	7.4567e+03
	383	-1.4552e-11	-9.5097e+01	0.0000e+00	2.1489e+03	0.0000e+00	1.0944e+04
682	339	-3.6380e-12	7.9934e+01	-7.1054e-15	4.7847e+03	-7.2760e-12	1.8734e+04

	373	3.6380e-12	-7.9934e+01	7.1054e-15	-4.7847e+03	-1.8190e-12	2.5390e+04
683	361	4.5475e-13	2.4162e+01	-9.0949e-13	-2.2385e+03	2.3283e-10	2.1435e+03
	371	-4.5475e-13	-2.4162e+01	9.0949e-13	2.2385e+03	2.3283e-10	2.5318e+03
684	334	3.9790e-13	7.8344e+00	0.0000e+00	4.6774e+03	-5.8208e-11	2.2408e+03
	361	-3.9790e-13	-7.8344e+00	0.0000e+00	-4.6774e+03	-5.0932e-11	2.0838e+03
685	375	0.0000e+00	-4.2924e+01	-9.0949e-13	2.1530e+02	0.0000e+00	-3.5444e+03
	354	0.0000e+00	4.2924e+01	9.0949e-13	-2.1530e+02	0.0000e+00	-4.7736e+03
686	378	0.0000e+00	-1.7474e+01	-1.1369e-13	4.1474e+03	-1.4552e-11	-4.7690e+03
	375	0.0000e+00	1.7474e+01	1.1369e-13	-4.1474e+03	7.2760e-12	-4.8769e+03
687	388	0.0000e+00	-6.8746e+01	1.8190e-12	7.6943e+03	-2.3283e-10	2.2633e+03
	386	0.0000e+00	6.8746e+01	-1.8190e-12	-7.6943e+03	0.0000e+00	-1.5566e+04
688	362	0.0000e+00	-4.8479e+01	-5.6843e-14	8.2544e+02	-5.8208e-11	-1.5585e+04
	388	0.0000e+00	4.8479e+01	5.6843e-14	-8.2544e+02	-5.8208e-11	-1.1175e+04
689	369	0.0000e+00	-3.7661e+01	0.0000e+00	1.1451e+04	0.0000e+00	1.7883e+04
	385	0.0000e+00	3.7661e+01	0.0000e+00	-1.1451e+04	0.0000e+00	-2.5171e+04
690	384	0.0000e+00	-8.2673e+01	0.0000e+00	5.5379e+02	1.4552e-11	-2.5717e+04
	369	0.0000e+00	8.2673e+01	0.0000e+00	-5.5379e+02	7.2760e-12	-1.9919e+04
691	350	-7.2760e-12	-1.1408e+02	0.0000e+00	3.7275e+03	0.0000e+00	-2.9910e+04
	384	7.2760e-12	1.1408e+02	0.0000e+00	-3.7275e+03	0.0000e+00	-2.9299e+04
692	352	0.0000e+00	-2.5362e+02	0.0000e+00	1.6435e+03	5.8208e-11	-3.3650e+04
	350	0.0000e+00	2.5362e+02	0.0000e+00	-1.6435e+03	1.1642e-10	-1.5498e+04
693	172	0.0000e+00	-6.0925e+00	0.0000e+00	1.0220e+03	0.0000e+00	-6.9771e+02
	141	0.0000e+00	6.0925e+00	0.0000e+00	-1.0220e+03	0.0000e+00	-2.4643e+03
694	130	0.0000e+00	1.0019e+01	-5.6843e-14	2.6463e+03	0.0000e+00	3.8052e+02
	172	0.0000e+00	-1.0019e+01	5.6843e-14	-2.6463e+03	0.0000e+00	1.5581e+03
695	171	2.5607e+01	-5.3155e+00	-2.5201e+01	-3.6607e+02	4.5008e+03	-6.4705e+02
	172	-2.5607e+01	5.3155e+00	2.5201e+01	3.6607e+02	3.8154e+03	-1.1071e+03
696	134	-6.8212e-13	1.5183e+02	1.1369e-13	7.7118e+02	-7.2760e-12	7.6334e+03
	503	6.8212e-13	-1.5183e+02	-1.1369e-13	-7.7118e+02	-1.4552e-11	1.9489e+04
697	496	-2.2737e-13	-8.8371e+01	1.4211e-14	1.2622e+03	1.8190e-12	-4.4879e+03
	504	2.2737e-13	8.8371e+01	-1.4211e-14	-1.2622e+03	-4.5475e-12	-8.5793e+03
698	494	-2.2737e-13	-5.5731e+01	2.1316e-14	9.0520e+02	0.0000e+00	-4.8278e+03
	496	2.2737e-13	5.5731e+01	-2.1316e-14	-9.0520e+02	-9.0949e-13	-4.8136e+03
699	493	2.2737e-13	-1.2682e+02	1.9540e-14	7.8449e+02	4.3769e-12	-1.1168e+04
	494	-2.2737e-13	1.2682e+02	-1.9540e-14	-7.8449e+02	-1.3642e-12	-7.5854e+03
700	494	-4.2277e-13	6.4404e+01	1.4211e-14	2.7858e+03	-9.0949e-13	6.6554e+03
	144	4.2277e-13	-6.4404e+01	-1.4211e-14	-2.7858e+03	0.0000e+00	4.1800e+03
701	504	-2.2737e-13	3.7334e+02	0.0000e+00	6.2791e+02	0.0000e+00	3.2230e+04
	145	2.2737e-13	-3.7334e+02	0.0000e+00	-6.2791e+02	0.0000e+00	2.4578e+04
702	137	0.0000e+00	5.3649e+01	1.0658e-14	1.8811e+03	-9.0949e-13	1.4210e+04
	147	0.0000e+00	-5.3649e+01	-1.0658e-14	-1.8811e+03	0.0000e+00	1.3633e+04
703	136	-9.0949e-13	6.6822e+01	-5.6843e-14	-4.3985e+02	-7.2760e-12	4.3563e+03
	137	9.0949e-13	-6.6822e+01	5.6843e-14	4.3985e+02	-7.2760e-12	8.5738e+03
704	138	0.0000e+00	3.2641e+01	0.0000e+00	1.7157e+03	0.0000e+00	8.6722e+03
	146	0.0000e+00	-3.2641e+01	0.0000e+00	-1.7157e+03	0.0000e+00	8.2686e+03
705	135	0.0000e+00	6.2936e+01	-5.6843e-14	4.0812e+02	0.0000e+00	4.3375e+03
	138	0.0000e+00	-6.2936e+01	5.6843e-14	-4.0812e+02	0.0000e+00	7.8406e+03
706	140	-1.1369e-13	-1.0290e+00	0.0000e+00	9.3739e+02	0.0000e+00	-4.8750e+02
	143	1.1369e-13	1.0290e+00	0.0000e+00	-9.3739e+02	0.0000e+00	-4.6565e+01
707	132	6.8212e-13	7.2080e+01	0.0000e+00	1.4821e+03	0.0000e+00	6.8187e+03

	140	-6.8212e-13	-7.2080e+01	0.0000e+00	-1.4821e+03	0.0000e+00	7.1287e+03
708	161	-2.2737e-13	-2.0460e+01	5.0654e-16	-8.5770e+02	-1.4211e-13	-4.9703e+03
	482	2.2737e-13	2.0460e+01	-5.0654e-16	8.5770e+02	-1.7053e-13	-6.2211e+03
709	579	0.0000e+00	-1.1893e+02	0.0000e+00	6.0613e+02	0.0000e+00	-1.4196e+03
	161	0.0000e+00	1.1893e+02	0.0000e+00	-6.0613e+02	0.0000e+00	-7.7511e+03
710	25	-2.7285e-12	1.4391e+03	0.0000e+00	-3.9143e+03	0.0000e+00	5.3232e+04
	479	2.7285e-12	-1.4391e+03	0.0000e+00	3.9143e+03	0.0000e+00	9.5712e+04
711	148	0.0000e+00	6.4252e+01	4.7184e-16	1.3393e+03	-2.5580e-13	1.5913e+04
	474	0.0000e+00	-6.4252e+01	-4.7184e-16	-1.3393e+03	-2.5580e-13	1.8592e+04
712	478	-9.0949e-13	7.9132e+01	0.0000e+00	1.1654e+03	2.2737e-13	2.1377e+04
	148	9.0949e-13	-7.9132e+01	0.0000e+00	-1.1654e+03	0.0000e+00	1.8508e+04
713	156	-9.0949e-13	5.9992e+01	0.0000e+00	-9.1306e+02	-7.2760e-12	7.8198e+03
	160	9.0949e-13	-5.9992e+01	0.0000e+00	9.1306e+02	0.0000e+00	3.7888e+03
714	147	2.2737e-13	4.5526e+01	-5.5511e-16	1.4834e+03	2.2737e-13	1.2253e+04
	156	-2.2737e-13	-4.5526e+01	5.5511e-16	-1.4834e+03	0.0000e+00	1.2878e+04
715	155	4.5475e-13	6.8205e+01	0.0000e+00	1.2669e+02	0.0000e+00	8.1204e+03
	159	-4.5475e-13	-6.8205e+01	0.0000e+00	-1.2669e+02	-1.0914e-11	5.0772e+03
716	146	0.0000e+00	3.6560e+01	-1.6653e-15	1.3972e+03	-6.8212e-13	1.0060e+04
	155	0.0000e+00	-3.6560e+01	1.6653e-15	-1.3972e+03	-4.5475e-13	1.0121e+04
717	154	0.0000e+00	7.4871e+01	-5.6843e-14	6.9546e+01	3.6380e-12	8.4088e+03
	158	0.0000e+00	-7.4871e+01	5.6843e-14	-6.9546e+01	-3.6380e-12	6.0788e+03
718	145	3.4106e-13	2.4516e+01	2.2204e-16	1.4790e+03	-2.2737e-13	5.8739e+03
	154	-3.4106e-13	-2.4516e+01	-2.2204e-16	-1.4790e+03	0.0000e+00	7.6588e+03
719	153	-1.0658e-13	6.0689e+01	1.1369e-13	7.6280e+01	0.0000e+00	6.3578e+03
	157	1.0658e-13	-6.0689e+01	-1.1369e-13	-7.6280e+01	0.0000e+00	5.3855e+03
720	144	-1.3145e-13	1.5702e+01	-3.4417e-15	1.5230e+03	9.0949e-13	4.3606e+03
	153	1.3145e-13	-1.5702e+01	3.4417e-15	-1.5230e+03	2.2737e-13	4.3067e+03
721	151	1.3642e-12	6.2749e+01	1.1369e-13	1.8968e+03	7.2760e-12	6.2008e+03
	152	-1.3642e-12	-6.2749e+01	-1.1369e-13	-1.8968e+03	7.2760e-12	5.9590e+03
722	143	0.0000e+00	2.9721e+00	1.6653e-15	1.4524e+03	-9.0949e-13	1.0805e+03
	151	0.0000e+00	-2.9721e+00	-1.6653e-15	-1.4524e+03	-6.8212e-13	5.6008e+02
723	194	0.0000e+00	2.4422e+01	0.0000e+00	4.3917e+03	3.6380e-12	3.6037e+03
	149	0.0000e+00	-2.4422e+01	0.0000e+00	-4.3917e+03	3.6380e-12	1.1220e+03
724	141	2.2737e-13	-5.6731e+00	-3.3307e-15	6.2732e+02	1.8190e-12	-2.2368e+03
	194	-2.2737e-13	5.6731e+00	3.3307e-15	-6.2732e+02	1.2506e-12	-8.9474e+02
725	195	-9.0949e-13	2.4892e+01	5.6843e-14	5.5449e+03	3.6380e-12	3.7068e+03
	150	9.0949e-13	-2.4892e+01	-5.6843e-14	-5.5449e+03	0.0000e+00	1.1098e+03
726	142	2.2737e-13	1.0226e+00	-3.7748e-15	6.8525e+01	1.1369e-12	-2.6623e+02
	195	-2.2737e-13	-1.0226e+00	3.7748e-15	-6.8525e+01	6.8212e-13	8.3069e+02
727	139	0.0000e+00	-1.0276e+01	0.0000e+00	1.4975e+03	-9.0949e-13	-2.7377e+03
	142	0.0000e+00	1.0276e+01	0.0000e+00	-1.4975e+03	-1.8190e-12	-2.5955e+03
728	131	1.3642e-12	3.1997e+01	0.0000e+00	1.2135e+03	0.0000e+00	3.9664e+03
	139	-1.3642e-12	-3.1997e+01	0.0000e+00	-1.2135e+03	0.0000e+00	2.2342e+03
729	147	0.0000e+00	-9.5085e+00	2.8422e-14	1.4392e+03	0.0000e+00	-1.5560e+03
	148	0.0000e+00	9.5085e+00	-2.8422e-14	-1.4392e+03	0.0000e+00	-1.4392e+03
730	146	0.0000e+00	9.6792e-01	-7.1054e-15	5.8416e+02	9.0949e-13	2.0274e+02
	147	0.0000e+00	-9.6792e-01	7.1054e-15	-5.8416e+02	2.7285e-12	1.0506e+02
731	145	0.0000e+00	1.4150e+01	-7.1054e-15	1.8759e+03	0.0000e+00	2.3169e+03
	146	0.0000e+00	-1.4150e+01	7.1054e-15	-1.8759e+03	1.8190e-12	2.1828e+03
732	144	0.0000e+00	-3.8865e+01	6.2172e-15	-6.6201e+02	1.3642e-12	-6.1432e+03

	145	0.0000e+00	3.8865e+01	-6.2172e-15	6.6201e+02	-3.4106e-13	-6.2159e+03
733	143	0.0000e+00	-2.6609e+01	-1.7764e-15	2.7797e+02	-1.0232e-12	-4.4105e+03
	144	0.0000e+00	2.6609e+01	1.7764e-15	-2.7797e+02	-9.0949e-13	-4.2374e+03
734	142	0.0000e+00	-1.1327e+01	3.5527e-15	8.2612e+02	4.5475e-13	-1.7969e+03
	143	0.0000e+00	1.1327e+01	-3.5527e-15	-8.2612e+02	0.0000e+00	-1.8108e+03
735	141	0.0000e+00	-1.2047e+01	-7.1054e-15	5.3780e+02	-2.7285e-12	-1.9268e+03
	142	0.0000e+00	1.2047e+01	7.1054e-15	-5.3780e+02	-1.8190e-12	-1.8438e+03
736	161	1.1369e-13	-1.4328e+01	7.1054e-15	-7.3158e+01	1.8190e-12	-2.1360e+03
	141	-1.1369e-13	1.4328e+01	-7.1054e-15	7.3158e+01	3.6380e-12	-2.3222e+03
737	140	0.0000e+00	-2.5927e+01	0.0000e+00	6.2478e+02	9.0949e-13	-3.7604e+03
	139	0.0000e+00	2.5927e+01	0.0000e+00	-6.2478e+02	0.0000e+00	-4.4972e+03
738	492	-1.3642e-12	-2.3641e+02	-2.8422e-14	4.5253e+02	-4.5475e-12	-2.2135e+04
	140	1.3642e-12	2.3641e+02	2.8422e-14	-4.5253e+02	-4.0927e-12	-1.7975e+04
739	137	0.0000e+00	-2.6173e+01	-1.4211e-14	4.3358e+03	-1.8190e-12	-4.8067e+03
	478	0.0000e+00	2.6173e+01	1.4211e-14	-4.3358e+03	-1.8190e-12	-3.5779e+03
740	138	2.2737e-13	1.6862e+01	-7.1054e-15	7.0113e+02	-1.8190e-12	2.6230e+03
	137	-2.2737e-13	-1.6862e+01	7.1054e-15	-7.0113e+02	-1.8190e-12	2.7391e+03
741	503	-2.2737e-13	-4.3602e+00	3.5527e-15	-1.0125e+03	1.3642e-12	-1.0752e+03
	138	2.2737e-13	4.3602e+00	-3.5527e-15	1.0125e+03	-1.3642e-12	-3.4339e+02
742	136	0.0000e+00	6.3214e+01	2.1316e-14	5.3560e+03	0.0000e+00	9.8123e+03
	479	0.0000e+00	-6.3214e+01	-2.1316e-14	-5.3560e+03	1.8190e-12	1.0438e+04
743	135	0.0000e+00	2.6211e+01	-7.1054e-15	4.9564e+02	9.0949e-13	4.3519e+03
	136	0.0000e+00	-2.6211e+01	7.1054e-15	-4.9564e+02	0.0000e+00	3.9833e+03
744	134	0.0000e+00	1.2012e+01	-1.4211e-14	1.1155e+03	-1.8190e-12	1.6797e+03
	135	0.0000e+00	-1.2012e+01	1.4211e-14	-1.1155e+03	0.0000e+00	2.1400e+03
745	133	0.0000e+00	3.7439e+01	3.5527e-15	-5.4533e+02	-1.1369e-12	6.0456e+03
	134	0.0000e+00	-3.7439e+01	-3.5527e-15	5.4533e+02	-1.1369e-13	5.8601e+03
746	132	0.0000e+00	2.8527e+01	3.5527e-15	5.6704e+02	-5.6843e-13	4.5928e+03
	133	0.0000e+00	-2.8527e+01	-3.5527e-15	-5.6704e+02	-9.0949e-13	4.6784e+03
747	131	4.5475e-13	3.6088e+01	-7.1054e-15	6.1169e+01	0.0000e+00	6.2387e+03
	132	-4.5475e-13	-3.6088e+01	7.1054e-15	-6.1169e+01	-9.0949e-13	5.6343e+03
748	130	0.0000e+00	4.0106e+01	0.0000e+00	5.5601e+01	-1.8190e-12	6.1090e+03
	131	0.0000e+00	-4.0106e+01	0.0000e+00	-5.5601e+01	-1.8190e-12	6.0230e+03
749	488	4.5475e-13	3.8168e+01	0.0000e+00	2.1711e+03	0.0000e+00	5.7795e+03
	130	-4.5475e-13	-3.8168e+01	0.0000e+00	-2.1711e+03	-1.8190e-12	6.1045e+03
750	156	0.0000e+00	-1.0812e+01	2.1316e-14	4.2359e+03	1.8190e-12	-6.7220e+02
	474	0.0000e+00	1.0812e+01	-2.1316e-14	-4.2359e+03	1.8190e-12	-2.7916e+03
751	155	0.0000e+00	-4.4832e+01	1.4211e-14	9.8907e+02	-3.6380e-12	-7.0202e+03
	156	0.0000e+00	4.4832e+01	-1.4211e-14	-9.8907e+02	-9.0949e-13	-7.2365e+03
752	154	0.0000e+00	-4.4468e+01	0.0000e+00	6.3820e+02	1.8190e-12	-7.0596e+03
	155	0.0000e+00	4.4468e+01	0.0000e+00	-6.3820e+02	-1.3642e-12	-7.0811e+03
753	153	0.0000e+00	-4.8487e+01	-8.8818e-15	6.5818e+02	-9.0949e-13	-7.7034e+03
	154	0.0000e+00	4.8487e+01	8.8818e-15	-6.5818e+02	-1.1369e-12	-7.7155e+03
754	151	0.0000e+00	-4.4864e+01	3.5527e-15	6.0571e+02	-1.7053e-12	-7.3293e+03
	153	0.0000e+00	4.4864e+01	-3.5527e-15	-6.0571e+02	-1.8190e-12	-7.2513e+03
755	195	-2.2737e-13	-3.6234e+01	1.4211e-14	-3.3324e+02	-2.7285e-12	-4.8134e+03
	151	2.2737e-13	3.6234e+01	-1.4211e-14	3.3324e+02	-1.8190e-12	-6.7270e+03
756	194	-2.2737e-13	-2.0956e+01	7.1054e-15	3.5897e+02	-2.7285e-12	-3.7115e+03
	195	2.2737e-13	2.0956e+01	-7.1054e-15	-3.5897e+02	-1.8190e-12	-2.8478e+03
757	482	0.0000e+00	5.8323e+01	-1.4211e-14	2.8597e+03	1.8190e-12	1.1145e+04

	194	0.0000e+00	-5.8323e+01	1.4211e-14	-2.8597e+03	1.8190e-12	7.0148e+03
758	160	-3.4106e-13	-8.9264e+01	0.0000e+00	4.7406e+03	-9.0949e-13	-1.3409e+04
	475	3.4106e-13	8.9264e+01	0.0000e+00	-4.7406e+03	0.0000e+00	-1.5187e+04
759	159	-1.1369e-13	-5.1496e+01	0.0000e+00	6.2748e+02	-1.8190e-12	-8.3161e+03
	160	1.1369e-13	5.1496e+01	0.0000e+00	-6.2748e+02	0.0000e+00	-8.0597e+03
760	158	0.0000e+00	-5.0066e+01	-7.1054e-15	3.8870e+02	0.0000e+00	-7.9385e+03
	159	0.0000e+00	5.0066e+01	7.1054e-15	-3.8870e+02	-9.0949e-13	-7.9827e+03
761	157	-1.1369e-13	-4.9811e+01	-3.5527e-15	2.6816e+02	4.5475e-13	-7.9160e+03
	158	1.1369e-13	4.9811e+01	3.5527e-15	-2.6816e+02	-5.6843e-13	-7.9240e+03
762	152	0.0000e+00	-5.0949e+01	-1.7764e-15	3.7591e+02	0.0000e+00	-8.9528e+03
	157	0.0000e+00	5.0949e+01	1.7764e-15	-3.7591e+02	4.5475e-13	-8.1405e+03
763	150	1.1369e-13	-6.2155e+01	0.0000e+00	1.9787e+02	1.3642e-12	-9.5006e+03
	152	-1.1369e-13	6.2155e+01	0.0000e+00	-1.9787e+02	-9.0949e-13	-9.6431e+03
764	149	2.2737e-13	-6.5292e+01	0.0000e+00	2.7920e+02	-9.0949e-13	-1.0353e+04
	150	-2.2737e-13	6.5292e+01	0.0000e+00	-2.7920e+02	9.0949e-13	-1.0084e+04
765	483	2.2737e-13	-3.3090e+01	7.1054e-15	2.9483e+02	-1.8190e-12	-4.4405e+03
	149	-2.2737e-13	3.3090e+01	-7.1054e-15	-2.9483e+02	-1.8190e-12	-5.8624e+03
806	352	-1.0280e+02	2.3948e+02	9.0044e+01	-4.1829e+03	-1.3900e+04	3.4976e+04
	468	1.0280e+02	-2.3948e+02	-9.0044e+01	4.1829e+03	-1.4914e+04	4.1656e+04
807	334	-2.7924e+01	-1.0177e+02	-7.3202e+00	-2.9126e+03	1.1391e+03	-1.5478e+04
	467	2.7924e+01	1.0177e+02	7.3202e+00	2.9126e+03	1.2034e+03	-1.7088e+04
808	348	-4.8857e+01	7.9224e+01	-9.7981e+01	-4.1829e+03	1.4428e+04	1.1223e+04
	461	4.8857e+01	-7.9224e+01	9.7981e+01	4.1829e+03	1.6926e+04	1.4129e+04
809	349	1.5733e+02	1.5337e+02	-6.9436e+01	-2.9126e+03	1.0068e+04	2.3269e+04
	459	-1.5733e+02	-1.5337e+02	6.9436e+01	2.9126e+03	1.2151e+04	2.5811e+04
810	339	-1.9411e+02	-5.0400e+01	-1.3398e+02	-2.9126e+03	2.0505e+04	-7.6875e+03
	458	1.9411e+02	5.0400e+01	1.3398e+02	2.9126e+03	2.2367e+04	-8.4404e+03
811	347	3.6198e+01	-3.3572e+01	9.3064e+02	-4.1829e+03	-1.3598e+05	-5.1898e+03
	456	-3.6198e+01	3.3572e+01	-9.3064e+02	4.1829e+03	-1.6183e+05	-5.5533e+03
812	350	8.5580e+01	8.0278e+01	1.3957e+02	-4.1829e+03	-2.1959e+04	1.1046e+04
	453	-8.5580e+01	-8.0278e+01	-1.3957e+02	4.1829e+03	-2.2703e+04	1.4643e+04
813	338	1.4463e+02	1.5101e+02	3.7635e+01	-4.1829e+03	-5.7237e+03	2.1355e+04
	452	-1.4463e+02	-1.5101e+02	-3.7635e+01	4.1829e+03	-6.3194e+03	2.6967e+04
814	378	1.3599e+01	-8.4585e+01	4.6843e+01	-4.1829e+03	-6.7881e+03	-1.2535e+04
	449	-1.3599e+01	8.4585e+01	-4.6843e+01	4.1829e+03	-8.2018e+03	-1.4532e+04
815	354	5.9239e+01	-3.4897e+02	1.9199e+01	-4.1829e+03	-2.6657e+03	-4.9499e+04
	448	-5.9239e+01	3.4897e+02	-1.9199e+01	4.1829e+03	-3.4780e+03	-6.2173e+04
816	384	1.5202e+01	-8.3455e+01	1.6090e+02	-4.1829e+03	-2.4478e+04	-1.2374e+04
	447	-1.5202e+01	8.3455e+01	-1.6090e+02	4.1829e+03	-2.7010e+04	-1.4332e+04
817	362	1.8568e+01	-8.2931e+01	1.4938e+02	-4.1829e+03	-2.0823e+04	-1.2335e+04
	445	-1.8568e+01	8.2931e+01	-1.4938e+02	4.1829e+03	-2.6980e+04	-1.4203e+04
818	366	6.5794e+01	2.0693e+02	-9.7180e+00	-2.9126e+03	1.3153e+03	3.1000e+04
	444	-6.5794e+01	-2.0693e+02	9.7180e+00	2.9126e+03	1.7945e+03	3.5218e+04
819	370	-1.0667e+02	-2.7010e+02	-6.5353e+01	-2.9126e+03	9.4398e+03	-4.0270e+04
	443	1.0667e+02	2.7010e+02	6.5353e+01	2.9126e+03	1.1473e+04	-4.6163e+04
820	363	-1.8294e+01	-4.0458e+01	-5.4251e+02	-3.5445e+03	8.3614e+04	-5.6779e+03
	442	1.8294e+01	4.0458e+01	5.4251e+02	3.5445e+03	8.9990e+04	-7.2686e+03
821	367	3.3243e+02	2.3012e+02	-8.4554e+01	-2.9126e+03	1.1452e+04	3.4690e+04
	441	-3.3243e+02	-2.3012e+02	8.4554e+01	2.9126e+03	1.5605e+04	3.8947e+04
822	361	2.1493e+00	-1.8317e+02	-1.7737e+01	-4.1829e+03	2.6646e+03	-2.4021e+04

	440	-2.1493e+00	1.8317e+02	1.7737e+01	4.1829e+03	3.0114e+03	-3.4592e+04
823	355	3.0087e+02	1.7344e+02	-8.7128e+01	-2.9126e+03	1.3771e+04	2.6071e+04
	439	-3.0087e+02	-1.7344e+02	8.7128e+01	2.9126e+03	1.4110e+04	2.9430e+04
824	371	7.5140e+00	-2.7428e+02	-1.0642e+01	-2.9126e+03	1.4622e+03	-4.0787e+04
	438	-7.5140e+00	2.7428e+02	1.0642e+01	2.9126e+03	1.9433e+03	-4.6983e+04
825	376	8.0183e+01	-1.7415e+02	-1.1128e+02	-4.1829e+03	1.6630e+04	-2.2815e+04
	436	-8.0183e+01	1.7415e+02	1.1128e+02	4.1829e+03	1.8979e+04	-3.2912e+04
826	382	-9.1843e+01	-1.5562e+01	-1.1655e+02	-4.1829e+03	1.6542e+04	-2.0952e+03
	435	9.1843e+01	1.5562e+01	1.1655e+02	4.1829e+03	2.0755e+04	-2.8845e+03
827	385	1.0437e+01	-3.9746e+02	7.4457e+01	-4.1829e+03	-1.1018e+04	-5.7104e+04
	434	-1.0437e+01	3.9746e+02	-7.4457e+01	4.1829e+03	-1.2808e+04	-7.0084e+04
828	386	1.6969e+02	-4.5970e+02	3.7084e+01	-4.1829e+03	-5.0545e+03	-6.6150e+04
	433	-1.6969e+02	4.5970e+02	-3.7084e+01	4.1829e+03	-6.8123e+03	-8.0954e+04
829	353	-1.8387e+02	3.3180e+02	3.3293e+01	-4.1829e+03	-4.2168e+03	4.8474e+04
	432	1.8387e+02	-3.3180e+02	-3.3293e+01	4.1829e+03	-6.4370e+03	5.7701e+04
830	373	4.1654e+01	-1.8586e+02	-1.0180e+02	-4.1829e+03	1.5596e+04	-2.4195e+04
	431	-4.1654e+01	1.8586e+02	1.0180e+02	4.1829e+03	1.6982e+04	-3.5281e+04
831	364	-1.4331e+01	-6.2889e+01	-1.9241e+02	-4.1829e+03	2.7377e+04	-9.1698e+03
	429	1.4331e+01	6.2889e+01	1.9241e+02	4.1829e+03	3.4192e+04	-1.0955e+04
832	356	-2.3006e+02	6.9864e+01	-1.4424e+02	-4.1829e+03	2.0771e+04	9.5535e+03
	424	2.3006e+02	-6.9864e+01	1.4424e+02	4.1829e+03	2.5384e+04	1.2803e+04
833	368	-5.0928e+01	1.9007e+02	1.5029e+01	-2.9126e+03	-2.2743e+03	2.8594e+04
	423	5.0928e+01	-1.9007e+02	-1.5029e+01	2.9126e+03	-2.5351e+03	3.2227e+04
834	375	-5.6679e+01	-1.4340e+02	3.6623e+01	-4.1829e+03	-5.4797e+03	-1.8182e+04
	422	5.6679e+01	1.4340e+02	-3.6623e+01	4.1829e+03	-6.2395e+03	-2.7707e+04
835	381	1.6829e+02	-1.4441e+02	-1.3006e+02	-4.1829e+03	1.9320e+04	-1.8385e+04
	420	-1.6829e+02	1.4441e+02	1.3006e+02	4.1829e+03	2.2301e+04	-2.7825e+04
836	380	-2.8848e+02	-3.2370e+02	-6.5638e+01	-2.9126e+03	9.5292e+03	-4.8343e+04
	419	2.8848e+02	3.2370e+02	6.5638e+01	2.9126e+03	1.1475e+04	-5.5240e+04
837	383	-7.7496e+01	-2.6592e+02	-4.8285e+01	-2.9126e+03	6.3266e+03	-3.9696e+04
	417	7.7496e+01	2.6592e+02	4.8285e+01	2.9126e+03	9.1246e+03	-4.5398e+04
838	323	3.8661e+02	-4.1919e+02	3.9953e+01	-4.4252e+03	-6.3412e+03	-6.7134e+04
	386	-3.8661e+02	4.1919e+02	-3.9953e+01	4.4252e+03	-6.4439e+03	-6.7008e+04
839	329	4.7789e+01	-3.6967e+02	7.1570e+01	-4.4252e+03	-1.1460e+04	-5.9016e+04
	385	-4.7789e+01	3.6967e+02	-7.1570e+01	4.4252e+03	-1.1442e+04	-5.9278e+04
840	333	4.3724e+01	-1.0748e+02	1.5233e+02	-4.4252e+03	-2.4444e+04	-1.6850e+04
	384	-4.3724e+01	1.0748e+02	-1.5233e+02	4.4252e+03	-2.4302e+04	-1.7544e+04
841	331	-1.7174e+02	-2.5971e+02	-3.2175e+01	-3.0814e+03	5.3720e+03	-4.1474e+04
	383	1.7174e+02	2.5971e+02	3.2175e+01	3.0814e+03	4.9239e+03	-4.1632e+04
842	325	-1.7570e+02	-5.0395e+01	-9.6069e+01	-4.4252e+03	1.5626e+04	-7.7422e+03
	382	1.7570e+02	5.0395e+01	9.6069e+01	4.4252e+03	1.5116e+04	-8.3844e+03
843	318	4.1865e+02	-1.3112e+02	-1.2627e+02	-4.4252e+03	2.0387e+04	-2.0512e+04
	381	-4.1865e+02	1.3112e+02	1.2627e+02	4.4252e+03	2.0019e+04	-2.1446e+04
844	317	-6.9535e+02	-3.1119e+02	-6.7123e+01	-3.0814e+03	1.0914e+04	-4.9960e+04
	380	6.9535e+02	3.1119e+02	6.7123e+01	3.0814e+03	1.0566e+04	-4.9620e+04
845	332	1.8159e+01	-1.0731e+02	4.1364e+01	-4.4252e+03	-6.6627e+03	-1.6768e+04
	378	-1.8159e+01	1.0731e+02	-4.1364e+01	4.4252e+03	-6.5737e+03	-1.7570e+04
846	322	2.2094e+02	-1.5728e+02	-1.0550e+02	-4.4252e+03	1.7003e+04	-2.4824e+04
	376	-2.2094e+02	1.5728e+02	1.0550e+02	4.4252e+03	1.6755e+04	-2.5506e+04
847	328	-1.4674e+02	-1.2942e+02	3.7117e+01	-4.4252e+03	-5.9817e+03	-2.0244e+04

	375	1.4674e+02	1.2942e+02	-3.7117e+01	4.4252e+03	-5.8958e+03	-2.1172e+04
848	327	6.2563e+01	-1.6173e+02	-9.5740e+01	-4.4252e+03	1.5309e+04	-2.5620e+04
	373	-6.2563e+01	1.6173e+02	9.5740e+01	4.4252e+03	1.5328e+04	-2.6134e+04
849	319	-3.6069e+00	-2.6408e+02	-7.4508e+00	-3.0814e+03	1.2525e+03	-4.2200e+04
	371	3.6069e+00	2.6408e+02	7.4508e+00	3.0814e+03	1.1318e+03	-4.2306e+04
850	324	-3.0415e+02	-2.6118e+02	-6.1011e+01	-3.0814e+03	9.9532e+03	-4.1654e+04
	370	3.0415e+02	2.6118e+02	6.1011e+01	3.0814e+03	9.5702e+03	-4.1922e+04
851	302	-1.2142e+02	1.5959e+02	1.9159e+01	-3.0814e+03	-3.1297e+03	2.5879e+04
	368	1.2142e+02	-1.5959e+02	-1.9159e+01	3.0814e+03	-3.0012e+03	2.5191e+04
852	307	7.3368e+02	1.9711e+02	-6.8788e+01	-3.0814e+03	1.1344e+04	3.2053e+04
	367	-7.3368e+02	-1.9711e+02	6.8788e+01	3.0814e+03	1.0668e+04	3.1022e+04
853	314	1.3018e+02	1.7026e+02	-7.6948e+00	-3.0814e+03	1.3541e+03	2.7535e+04
	366	-1.3018e+02	-1.7026e+02	7.6948e+00	3.0814e+03	1.1082e+03	2.6947e+04
854	298	-5.0281e+01	-8.9170e+01	-1.5754e+02	-4.4252e+03	2.5616e+04	-1.3961e+04
	364	5.0281e+01	8.9170e+01	1.5754e+02	4.4252e+03	2.4797e+04	-1.4573e+04
855	309	-8.1470e+00	-5.4911e+01	-5.1670e+02	-3.7499e+03	8.3140e+04	-8.4330e+03
	363	8.1470e+00	5.4911e+01	5.1670e+02	3.7499e+03	8.2204e+04	-9.1384e+03
856	306	3.6201e+01	-1.0767e+02	1.2009e+02	-4.4252e+03	-1.9610e+04	-1.6876e+04
	362	-3.6201e+01	1.0767e+02	-1.2009e+02	4.4252e+03	-1.8817e+04	-1.7580e+04
857	315	1.1445e+01	-1.6280e+02	-1.4933e+01	-4.4252e+03	2.4020e+03	-2.5746e+04
	361	-1.1445e+01	1.6280e+02	1.4933e+01	4.4252e+03	2.3766e+03	-2.6349e+04
858	311	-4.8130e+02	3.8607e+01	-1.2706e+02	-4.4252e+03	2.0601e+04	7.0698e+03
	356	4.8130e+02	-3.8607e+01	1.2706e+02	4.4252e+03	2.0059e+04	5.2846e+03
859	303	7.7320e+02	1.4595e+02	-9.6577e+01	-3.0814e+03	1.5839e+04	2.3725e+04
	355	-7.7320e+02	-1.4595e+02	9.6577e+01	3.0814e+03	1.5066e+04	2.2980e+04
860	310	1.6486e+02	-3.2331e+02	1.9197e+01	-4.4252e+03	-3.1016e+03	-5.1566e+04
	354	-1.6486e+02	3.2331e+02	-1.9197e+01	4.4252e+03	-3.0413e+03	-5.1894e+04
861	313	-4.0064e+02	2.6274e+02	3.3406e+01	-4.4252e+03	-5.3748e+03	4.3172e+04
	353	4.0064e+02	-2.6274e+02	-3.3406e+01	4.4252e+03	-5.3153e+03	4.0907e+04
862	308	-3.7392e+02	1.8878e+02	9.8552e+01	-4.4252e+03	-1.5999e+04	3.1101e+04
	352	3.7392e+02	-1.8878e+02	-9.8552e+01	4.4252e+03	-1.5538e+04	2.9310e+04
863	301	2.8830e+02	4.7306e+01	1.4884e+02	-4.4252e+03	-2.3964e+04	8.5383e+03
	350	-2.8830e+02	-4.7306e+01	-1.4884e+02	4.4252e+03	-2.3666e+04	6.5996e+03
864	300	4.0410e+02	1.3205e+02	-6.5324e+01	-3.0814e+03	1.0681e+04	2.1433e+04
	349	-4.0410e+02	-1.3205e+02	6.5324e+01	3.0814e+03	1.0223e+04	2.0823e+04
865	312	-1.7142e+02	5.1794e+01	-9.1292e+01	-4.4252e+03	1.4756e+04	9.2241e+03
	348	1.7142e+02	-5.1794e+01	9.1292e+01	4.4252e+03	1.4458e+04	7.3499e+03
866	316	5.3035e+01	-4.5352e+01	8.0132e+02	-4.4252e+03	-1.2983e+05	-7.1253e+03
	347	-5.3035e+01	4.5352e+01	-8.0132e+02	4.4252e+03	-1.2660e+05	-7.3872e+03
867	304	-3.7940e+02	-6.5966e+01	-1.2410e+02	-3.0814e+03	1.9952e+04	-1.0419e+04
	339	3.7940e+02	6.5966e+01	1.2410e+02	3.0814e+03	1.9761e+04	-1.0690e+04
868	305	3.3831e+02	1.0156e+02	3.9651e+01	-4.4252e+03	-6.3880e+03	1.7296e+04
	338	-3.3831e+02	-1.0156e+02	-3.9651e+01	4.4252e+03	-6.3004e+03	1.5203e+04
869	299	-5.7231e+01	-1.0932e+02	-7.0588e+00	-3.0814e+03	1.1409e+03	-1.7340e+04
	334	5.7231e+01	1.0932e+02	7.0588e+00	3.0814e+03	1.1179e+03	-1.7641e+04
870	265	6.5798e+01	-1.1656e+02	1.4507e+02	-4.1131e+03	-2.3754e+04	-1.9102e+04
	333	-6.5798e+01	1.1656e+02	-1.4507e+02	4.1131e+03	-2.2669e+04	-1.8198e+04
871	264	2.6017e+01	-1.1681e+02	4.2038e+01	-4.1131e+03	-7.2575e+03	-1.9219e+04
	332	-2.6017e+01	1.1681e+02	-4.2038e+01	4.1131e+03	-6.1948e+03	-1.8160e+04
872	238	-2.6632e+02	-2.5903e+02	-3.2867e+01	-2.8641e+03	5.3992e+03	-4.2841e+04

	331	2.6632e+02	2.5903e+02	3.2867e+01	2.8641e+03	5.1183e+03	-4.0049e+04
873	234	7.3401e+01	-3.8074e+02	7.1099e+01	-4.1131e+03	-1.2350e+04	-6.4318e+04
	329	-7.3401e+01	3.8074e+02	-7.1099e+01	4.1131e+03	-1.0402e+04	-5.7518e+04
874	242	-2.4490e+02	-1.4731e+02	3.8132e+01	-4.1131e+03	-6.6526e+03	-2.6895e+04
	328	2.4490e+02	1.4731e+02	-3.8132e+01	4.1131e+03	-5.5497e+03	-2.0244e+04
875	240	8.6776e+01	-1.8048e+02	-9.2570e+01	-4.1131e+03	1.5056e+04	-3.2043e+04
	327	-8.6776e+01	1.8048e+02	9.2570e+01	4.1131e+03	1.4566e+04	-2.5709e+04
876	233	-2.5584e+02	-6.1776e+01	-9.6584e+01	-4.1131e+03	1.6104e+04	-1.0440e+04
	325	2.5584e+02	6.1776e+01	9.6584e+01	4.1131e+03	1.4803e+04	-9.3287e+03
877	244	-4.9606e+02	-2.5897e+02	-6.1177e+01	-2.8641e+03	1.0308e+04	-4.2802e+04
	324	4.9606e+02	2.5897e+02	6.1177e+01	2.8641e+03	9.2690e+03	-4.0070e+04
878	235	6.1324e+02	-4.3483e+02	4.3675e+01	-4.1131e+03	-8.7119e+03	-7.3037e+04
	323	-6.1324e+02	4.3483e+02	-4.3675e+01	4.1131e+03	-5.2641e+03	-6.6109e+04
879	245	3.6626e+02	-1.7506e+02	-1.0548e+02	-4.1131e+03	1.7628e+04	-3.1207e+04
	322	-3.6626e+02	1.7506e+02	1.0548e+02	4.1131e+03	1.6124e+04	-2.4813e+04
880	239	-1.1691e+01	-2.6350e+02	-6.1875e+00	-2.8641e+03	8.1273e+02	-4.3535e+04
	319	1.1691e+01	2.6350e+02	6.1875e+00	2.8641e+03	1.1673e+03	-4.0785e+04
881	241	6.9623e+02	-1.4832e+02	-1.2875e+02	-4.1131e+03	2.1898e+04	-2.7022e+04
	318	-6.9623e+02	1.4832e+02	1.2875e+02	4.1131e+03	1.9303e+04	-2.0441e+04
882	236	-1.1454e+03	-3.1100e+02	-6.9471e+01	-2.8641e+03	1.2146e+04	-5.0934e+04
	317	1.1454e+03	3.1100e+02	6.9471e+01	2.8641e+03	1.0085e+04	-4.8587e+04
883	243	5.5645e+01	-4.7526e+01	8.0519e+02	-4.1131e+03	-1.3279e+05	-7.6918e+03
	316	-5.5645e+01	4.7526e+01	-8.0519e+02	4.1131e+03	-1.2487e+05	-7.5165e+03
884	246	1.9912e+01	-1.8107e+02	-1.3715e+01	-4.1131e+03	2.0552e+03	-3.2156e+04
	315	-1.9912e+01	1.8107e+02	1.3715e+01	4.1131e+03	2.3335e+03	-2.5786e+04
885	251	1.8706e+02	1.5702e+02	-5.6517e+00	-2.8641e+03	6.2193e+02	2.5800e+04
	314	-1.8706e+02	-1.5702e+02	5.6517e+00	2.8641e+03	1.1866e+03	2.4447e+04
886	253	-6.2092e+02	2.5615e+02	3.7200e+01	-4.1131e+03	-7.5988e+03	4.2804e+04
	313	6.2092e+02	-2.5615e+02	-3.7200e+01	4.1131e+03	-4.3053e+03	3.9164e+04
887	261	-2.9592e+02	5.1980e+01	-9.2376e+01	-4.1131e+03	1.5568e+04	9.9232e+03
	312	2.9592e+02	-5.1980e+01	9.2376e+01	4.1131e+03	1.3993e+04	6.7104e+03
888	257	-7.5773e+02	3.7597e+01	-1.3110e+02	-4.1131e+03	2.2271e+04	7.5989e+03
	311	7.5773e+02	-3.7597e+01	1.3110e+02	4.1131e+03	1.9682e+04	4.4321e+03
889	247	2.7954e+02	-3.3837e+02	2.2982e+01	-4.1131e+03	-4.4078e+03	-5.7798e+04
	310	-2.7954e+02	3.3837e+02	-2.2982e+01	4.1131e+03	-2.9465e+03	-5.0481e+04
890	248	2.2330e+01	-6.2349e+01	-4.9792e+02	-3.4854e+03	7.9805e+04	-1.0447e+04
	309	-2.2330e+01	6.2349e+01	4.9792e+02	3.4854e+03	7.9529e+04	-9.5051e+03
891	255	-6.6668e+02	1.8195e+02	1.0007e+02	-4.1131e+03	-1.6887e+04	3.1155e+04
	308	6.6668e+02	-1.8195e+02	-1.0007e+02	4.1131e+03	-1.5135e+04	2.7068e+04
892	256	1.1614e+03	1.8644e+02	-7.3614e+01	-2.8641e+03	1.2780e+04	3.0427e+04
	307	-1.1614e+03	-1.8644e+02	7.3614e+01	2.8641e+03	1.0777e+04	2.9234e+04
893	258	5.1447e+01	-1.1732e+02	1.2798e+02	-4.1131e+03	-2.1980e+04	-1.9260e+04
	306	-5.1447e+01	1.1732e+02	-1.2798e+02	4.1131e+03	-1.8974e+04	-1.8283e+04
894	260	5.2154e+02	1.0217e+02	4.1231e+01	-4.1131e+03	-7.1782e+03	1.7869e+04
	305	-5.2154e+02	-1.0217e+02	-4.1231e+01	4.1131e+03	-6.0155e+03	1.4827e+04
895	262	-6.0583e+02	-7.0367e+01	-1.2051e+02	-2.8641e+03	1.9318e+04	-1.1429e+04
	304	6.0583e+02	7.0367e+01	1.2051e+02	2.8641e+03	1.9246e+04	-1.1088e+04
896	250	1.3410e+03	1.3495e+02	-1.0145e+02	-2.8641e+03	1.6438e+04	2.2314e+04
	303	-1.3410e+03	-1.3495e+02	1.0145e+02	2.8641e+03	1.6027e+04	2.0871e+04
897	254	-2.0069e+02	1.4870e+02	2.1900e+01	-2.8641e+03	-4.0204e+03	2.4547e+04

	302	2.0069e+02	-1.4870e+02	-2.1900e+01	2.8641e+03	-2.9877e+03	2.3036e+04
898	259	5.2312e+02	4.6467e+01	1.4334e+02	-4.1131e+03	-2.3493e+04	8.9511e+03
	301	-5.2312e+02	-4.6467e+01	-1.4334e+02	4.1131e+03	-2.2374e+04	5.9185e+03
899	252	6.3995e+02	1.2256e+02	-6.6745e+01	-2.8641e+03	1.1230e+04	2.0482e+04
	300	-6.3995e+02	-1.2256e+02	6.6745e+01	2.8641e+03	1.0129e+04	1.8737e+04
900	263	-7.6653e+01	-1.1185e+02	-9.2462e+00	-2.8641e+03	1.5389e+03	-1.7977e+04
	299	7.6653e+01	1.1185e+02	9.2462e+00	2.8641e+03	1.4199e+03	-1.7814e+04
901	249	-8.7009e+01	-1.0017e+02	-1.5925e+02	-4.1131e+03	2.6509e+04	-1.6547e+04
	298	8.7009e+01	1.0017e+02	1.5925e+02	4.1131e+03	2.4450e+04	-1.5508e+04
902	142	7.9232e+01	-5.4508e+01	6.5047e+01	-2.5106e+03	-1.1604e+04	-9.7630e+03
	265	-7.9232e+01	5.4508e+01	-6.5047e+01	2.5106e+03	-9.7963e+03	-8.1701e+03
903	143	2.7386e+01	-5.4957e+01	1.5088e+01	-2.5106e+03	-3.7158e+03	-9.7735e+03
	264	-2.7386e+01	5.4957e+01	-1.5088e+01	2.5106e+03	-1.2482e+03	-8.3074e+03
904	144	-1.2679e+02	-5.3288e+01	-1.9175e+01	-1.7482e+03	3.0860e+03	-7.9871e+03
	263	1.2679e+02	5.3288e+01	1.9175e+01	1.7482e+03	3.2227e+03	-9.5446e+03
905	145	-8.1940e+02	-3.3505e+01	-8.8061e+01	-1.7482e+03	1.4272e+04	-5.7561e+03
	262	8.1940e+02	3.3505e+01	8.8061e+01	1.7482e+03	1.4700e+04	-5.2670e+03
906	138	-4.1392e+02	4.4269e+01	-7.2748e+01	-2.5106e+03	1.4317e+04	1.1556e+04
	261	4.1392e+02	-4.4269e+01	7.2748e+01	2.5106e+03	9.6175e+03	3.0081e+03
907	140	6.8756e+02	9.0013e+01	1.1254e+01	-2.5106e+03	-2.8648e+03	1.9055e+04
	260	-6.8756e+02	-9.0013e+01	-1.1254e+01	2.5106e+03	-8.3770e+02	1.0559e+04
908	139	7.0975e+02	4.6423e+01	6.3124e+01	-2.5106e+03	-1.1255e+04	1.2426e+04
	259	-7.0975e+02	-4.6423e+01	-6.3124e+01	2.5106e+03	-9.5125e+03	2.8475e+03
909	141	6.4916e+01	-5.3283e+01	7.0069e+01	-2.5106e+03	-1.4986e+04	-9.4130e+03
	258	-6.4916e+01	5.3283e+01	-7.0069e+01	2.5106e+03	-8.0671e+03	-8.1173e+03
910	137	-1.0113e+03	3.4558e+01	-9.8199e+01	-2.5106e+03	1.9723e+04	1.0209e+04
	257	1.0113e+03	-3.4558e+01	9.8199e+01	2.5106e+03	1.2585e+04	1.1604e+03
911	136	1.5428e+03	1.0841e+02	-7.6127e+01	-1.7482e+03	1.6932e+04	1.8538e+04
	256	-1.5428e+03	-1.0841e+02	7.6127e+01	1.7482e+03	8.1141e+03	1.7129e+04
912	131	-8.8510e+02	1.1746e+02	5.1958e+01	-2.5106e+03	-1.0855e+04	2.4227e+04
	255	8.8510e+02	-1.1746e+02	-5.1958e+01	2.5106e+03	-6.2390e+03	1.4419e+04
913	132	-2.4997e+02	9.1805e+01	3.2688e+00	-1.7482e+03	-1.5651e+03	1.6740e+04
	254	2.4997e+02	-9.1805e+01	-3.2688e+00	1.7482e+03	4.8963e+02	1.3464e+04
914	130	-8.0161e+02	1.4889e+02	3.9478e+01	-2.5106e+03	-1.2911e+04	2.7358e+04
	253	8.0161e+02	-1.4889e+02	-3.9478e+01	2.5106e+03	-7.6803e+01	2.1628e+04
915	135	8.3915e+02	7.6032e+01	-6.4644e+01	-1.7482e+03	1.3330e+04	1.4543e+04
	252	-8.3915e+02	-7.6032e+01	6.4644e+01	1.7482e+03	7.9376e+03	1.0471e+04
916	133	2.3094e+02	9.4014e+01	-1.5455e+01	-1.7482e+03	2.7889e+03	1.6858e+04
	251	-2.3094e+02	-9.4014e+01	1.5455e+01	1.7482e+03	2.2959e+03	1.4073e+04
917	134	1.8909e+03	8.6185e+01	-8.0247e+01	-1.7482e+03	1.3394e+04	1.6270e+04
	250	-1.8909e+03	-8.6185e+01	8.0247e+01	1.7482e+03	1.3007e+04	1.2085e+04
918	147	-1.1812e+02	-4.4016e+01	-1.1431e+02	-2.5106e+03	2.2041e+04	-8.2643e+03
	249	1.1812e+02	4.4016e+01	1.1431e+02	2.5106e+03	1.5567e+04	-6.2171e+03
919	148	3.5527e+01	-2.9740e+01	-2.5776e+02	-2.1275e+03	3.8047e+04	-6.0180e+03
	248	-3.5527e+01	2.9740e+01	2.5776e+02	2.1275e+03	4.6755e+04	-3.7665e+03
920	152	3.5953e+02	-1.9358e+02	2.0867e+00	-2.5106e+03	-1.7427e+03	-4.0631e+04
	247	-3.5953e+02	1.9358e+02	-2.0867e+00	2.5106e+03	1.0562e+03	-2.3056e+04
921	153	4.1883e+01	-1.1854e+02	-2.3639e+01	-2.5106e+03	3.8782e+03	-2.9088e+04
	246	-4.1883e+01	1.1854e+02	2.3639e+01	2.5106e+03	3.8990e+03	-9.9134e+03
922	155	4.9983e+02	-1.1501e+02	-8.1632e+01	-2.5106e+03	1.5615e+04	-2.8620e+04

	245	-4.9983e+02	1.1501e+02	8.1632e+01	2.5106e+03	1.1242e+04	-9.2177e+03
923	159	-6.6553e+02	-1.4647e+02	-6.1602e+01	-1.7482e+03	1.2985e+04	-2.7242e+04
	244	6.6553e+02	1.4647e+02	6.1602e+01	1.7482e+03	7.2821e+03	-2.0946e+04
924	161	5.2910e+01	-2.2023e+01	4.3937e+02	-2.5106e+03	-7.7611e+04	-3.7918e+03
	243	-5.2910e+01	2.2023e+01	-4.3937e+02	2.5106e+03	-6.6941e+04	-3.4538e+03
925	151	-3.1304e+02	-1.0186e+02	8.5340e+00	-2.5106e+03	-2.4585e+03	-2.7094e+04
	242	3.1304e+02	1.0186e+02	-8.5340e+00	2.5106e+03	-3.4921e+02	-6.4166e+03
926	156	9.4690e+02	-9.8090e+01	-9.6337e+01	-2.5106e+03	1.9434e+04	-2.6235e+04
	241	-9.4690e+02	9.8090e+01	9.6337e+01	2.5106e+03	1.2261e+04	-6.0363e+03
927	154	1.1866e+02	-1.1783e+02	-6.7587e+01	-2.5106e+03	1.1355e+04	-2.8978e+04
	240	-1.1866e+02	1.1783e+02	6.7587e+01	2.5106e+03	1.0881e+04	-9.7864e+03
928	157	-3.3859e+01	-1.4939e+02	-1.8628e+01	-1.7482e+03	3.3578e+03	-2.7636e+04
	239	3.3859e+01	1.4939e+02	1.8628e+01	1.7482e+03	2.7710e+03	-2.1512e+04
929	158	-3.5845e+02	-1.4734e+02	-4.0206e+01	-1.7482e+03	8.2643e+03	-2.7403e+04
	238	3.5845e+02	1.4734e+02	4.0206e+01	1.7482e+03	4.9635e+03	-2.1071e+04
930	160	-1.5388e+03	-1.7292e+02	-7.1728e+01	-1.7482e+03	1.6153e+04	-3.0483e+04
	236	1.5388e+03	1.7292e+02	7.1728e+01	1.7482e+03	7.4457e+03	-2.6408e+04
931	149	8.2275e+02	-2.3444e+02	3.6492e+01	-2.5106e+03	-1.1835e+04	-4.4610e+04
	235	-8.2275e+02	2.3444e+02	-3.6492e+01	2.5106e+03	-1.7060e+02	-3.2520e+04
932	150	7.8557e+01	-2.1507e+02	3.5518e+01	-2.5106e+03	-8.5939e+03	-4.3334e+04
	234	-7.8557e+01	2.1507e+02	-3.5518e+01	2.5106e+03	-3.0917e+03	-2.7423e+04
933	146	-3.2273e+02	-2.8371e+01	-7.7105e+01	-2.5106e+03	1.5188e+04	-6.8584e+03
	233	3.2273e+02	2.8371e+01	7.7105e+01	2.5106e+03	1.0180e+04	-2.4757e+03
934	127	8.5924e+00	-2.4515e+01	-3.6155e+01	-3.6607e+02	6.7013e+03	-5.9052e+03
	195	-8.5924e+00	2.4515e+01	3.6155e+01	3.6607e+02	5.2297e+03	-2.1848e+03
935	126	-4.9184e+01	2.7899e+01	-3.5767e+01	-3.6607e+02	6.2587e+03	2.2847e+03
	194	4.9184e+01	-2.7899e+01	3.5767e+01	3.6607e+02	5.5443e+03	6.9218e+03
936	51	-1.5539e+03	2.8925e+01	-3.6232e+01	-3.6607e+02	7.9103e+03	2.9591e+01
	160	1.5539e+03	-2.8925e+01	3.6232e+01	3.6607e+02	4.0461e+03	9.5156e+03
937	50	-6.7545e+02	2.5001e+01	-4.7031e+01	-3.6607e+02	8.9694e+03	-2.0321e+03
	159	6.7545e+02	-2.5001e+01	4.7031e+01	3.6607e+02	6.5508e+03	1.0282e+04
938	49	-3.9159e+02	2.3841e+01	-5.1785e+01	-3.6607e+02	9.4064e+03	-2.0873e+03
	158	3.9159e+02	-2.3841e+01	5.1785e+01	3.6607e+02	7.6828e+03	9.9548e+03
939	48	-6.7795e+01	2.7504e+01	-5.1133e+01	-3.6607e+02	9.0075e+03	-1.2311e+03
	157	6.7795e+01	-2.7504e+01	5.1133e+01	3.6607e+02	7.8662e+03	1.0307e+04
940	47	9.9538e+02	6.2407e+01	-4.7793e+00	-3.6607e+02	3.5245e+03	4.8618e+03
	156	-9.9538e+02	-6.2407e+01	4.7793e+00	3.6607e+02	-1.9474e+03	1.5733e+04
941	46	5.3111e+02	4.7498e+01	-2.5585e+01	-3.6607e+02	6.1677e+03	2.4260e+03
	155	-5.3111e+02	-4.7498e+01	2.5585e+01	3.6607e+02	2.2755e+03	1.3248e+04
942	45	1.7304e+02	4.4070e+01	-3.8340e+01	-3.6607e+02	7.9201e+03	1.7492e+03
	154	-1.7304e+02	-4.4070e+01	3.8340e+01	3.6607e+02	4.7322e+03	1.2794e+04
943	44	8.3247e+01	4.3531e+01	-4.6434e+01	-3.6607e+02	8.5893e+03	1.6790e+03
	153	-8.3247e+01	-4.3531e+01	4.6434e+01	3.6607e+02	6.7339e+03	1.2686e+04
944	43	3.1722e+02	6.0785e+01	-5.3350e+01	-3.6607e+02	8.8893e+03	2.2550e+03
	152	-3.1722e+02	-6.0785e+01	5.3350e+01	3.6607e+02	8.7163e+03	1.7804e+04
945	42	-2.6189e+02	4.4715e+01	-5.2225e+01	-3.6607e+02	8.8601e+03	1.6125e+03
	151	2.6189e+02	-4.4715e+01	5.2225e+01	3.6607e+02	8.3741e+03	1.3143e+04
946	41	5.4085e+01	5.4036e+01	-4.6919e+01	-3.6607e+02	7.4230e+03	1.3827e+03
	150	-5.4085e+01	-5.4036e+01	4.6919e+01	3.6607e+02	8.0603e+03	1.6449e+04
947	40	7.4999e+02	9.5676e+01	-4.2529e+01	-3.6607e+02	6.1679e+03	9.4733e+03

	149	-7.4999e+02	-9.5676e+01	4.2529e+01	3.6607e+02	7.8668e+03	2.2100e+04
948	39	3.0156e+01	2.0870e+01	-2.0200e+01	-3.6607e+02	8.8794e+03	2.1699e+03
	148	-3.0156e+01	-2.0870e+01	2.0200e+01	3.6607e+02	-2.2134e+03	4.7173e+03
949	38	-1.3672e+02	3.2319e+01	-3.9764e+01	-3.6607e+02	1.0132e+04	4.2495e+03
	147	1.3672e+02	-3.2319e+01	3.9764e+01	3.6607e+02	2.9903e+03	6.4157e+03
950	37	-3.3200e+02	5.9740e+01	-4.4441e+01	-3.6607e+02	1.0233e+04	1.0789e+04
	146	3.3200e+02	-5.9740e+01	4.4441e+01	3.6607e+02	4.4329e+03	8.9254e+03
951	36	-1.1152e+03	1.7150e+01	-9.0437e+01	-3.6607e+02	1.6199e+04	1.8202e+03
	145	1.1152e+03	-1.7150e+01	9.0437e+01	3.6607e+02	1.3645e+04	3.8395e+03
952	35	-1.8775e+02	-4.8359e+01	-4.5533e+01	-3.6607e+02	8.4880e+03	-1.2530e+04
	144	1.8775e+02	4.8359e+01	4.5533e+01	3.6607e+02	6.5377e+03	-3.4287e+03
953	34	1.6105e+01	1.5221e+01	-3.2635e+01	-3.6607e+02	5.4716e+03	9.5573e+02
	143	-1.6105e+01	-1.5221e+01	3.2635e+01	3.6607e+02	5.2979e+03	4.0672e+03
954	33	9.1250e+01	2.1654e+01	-4.7410e+01	-3.6607e+02	7.1910e+03	2.4524e+03
	142	-9.1250e+01	-2.1654e+01	4.7410e+01	3.6607e+02	8.4543e+03	4.6933e+03
955	32	6.7616e+01	1.9206e+01	-5.0547e+01	-3.6607e+02	7.0814e+03	1.5652e+03
	141	-6.7616e+01	-1.9206e+01	5.0547e+01	3.6607e+02	9.5991e+03	4.7728e+03
956	31	8.2494e+02	2.2511e+01	-5.1396e+01	-3.6607e+02	8.8698e+03	5.4038e+03
	140	-8.2494e+02	-2.2511e+01	5.1396e+01	3.6607e+02	8.0908e+03	2.0247e+03
957	30	6.6815e+02	2.0789e+00	-5.4043e+01	-3.6607e+02	8.4159e+03	3.9015e+03
	139	-6.6815e+02	-2.0789e+00	5.4043e+01	3.6607e+02	9.4182e+03	-3.2154e+03
958	29	-4.2300e+02	-3.2872e+01	-1.4288e+01	-3.6607e+02	4.2472e+03	-2.9256e+03
	138	4.2300e+02	3.2872e+01	1.4288e+01	3.6607e+02	4.6782e+02	-7.9222e+03
959	28	-1.0675e+03	-4.5498e+01	-1.4023e+01	-3.6607e+02	5.4213e+03	-5.2667e+03
	137	1.0675e+03	4.5498e+01	1.4023e+01	3.6607e+02	-7.9360e+02	-9.7475e+03
960	27	1.2627e+03	-1.9256e+01	-3.9938e+01	-3.6607e+02	8.0755e+03	-1.2698e+03
	136	-1.2627e+03	1.9256e+01	3.9938e+01	3.6607e+02	5.1041e+03	-5.0845e+03
961	26	6.5243e+02	-3.3547e+01	-4.4397e+01	-3.6607e+02	8.3530e+03	-2.9342e+03
	135	-6.5243e+02	3.3547e+01	4.4397e+01	3.6607e+02	6.2980e+03	-8.1362e+03
962	582	1.6724e+03	-1.0290e+01	-6.4221e+01	-3.6607e+02	1.0457e+04	3.5431e+02
	134	-1.6724e+03	1.0290e+01	6.4221e+01	3.6607e+02	1.0736e+04	-3.7501e+03
963	469	7.3171e+01	-5.8413e+00	-4.6877e+01	-3.6607e+02	8.5533e+03	2.1205e+03
	133	-7.3171e+01	5.8413e+00	4.6877e+01	3.6607e+02	6.9160e+03	-4.0481e+03
964	23	-2.2704e+02	1.5422e-01	-4.8870e+01	-3.6607e+02	8.0836e+03	3.0975e+03
	132	2.2704e+02	-1.5422e-01	4.8870e+01	3.6607e+02	8.0436e+03	-3.0466e+03
965	22	-7.4138e+02	-2.3723e+01	-2.9422e+01	-3.6607e+02	4.1849e+03	3.5627e+02
	131	7.4138e+02	2.3723e+01	2.9422e+01	3.6607e+02	5.5244e+03	-8.1848e+03
966	21	-6.2301e+02	-4.2892e+01	-1.6630e+01	-3.6607e+02	1.7410e+03	-3.5915e+03
	130	6.2301e+02	4.2892e+01	1.6630e+01	3.6607e+02	3.7469e+03	-1.0563e+04
361	256	0.0000e+00	2.3338e+02	-8.6933e+01	5.8243e+03	1.3127e+04	3.5241e+04
	2	0.0000e+00	-2.3338e+02	8.6933e+01	-5.8243e+03	1.4722e+04	3.9523e+04
362	252	3.6380e-12	1.0241e+02	-3.8147e+01	2.9967e+03	6.6722e+03	1.7912e+04
	256	-3.6380e-12	-1.0241e+02	3.8147e+01	-2.9967e+03	5.4585e+03	1.4654e+04
363	250	0.0000e+00	8.0285e+01	-2.9906e+01	4.7222e+03	4.6555e+03	1.2498e+04
	252	0.0000e+00	-8.0285e+01	2.9906e+01	-4.7222e+03	4.8546e+03	1.3033e+04
364	251	7.2760e-12	1.4861e+02	-5.5355e+01	-5.5604e+02	8.5825e+03	2.3040e+04
	250	-7.2760e-12	-1.4861e+02	5.5355e+01	5.5604e+02	9.0205e+03	2.4216e+04
365	254	-3.6380e-12	1.0473e+02	-3.9013e+01	2.3618e+03	6.4091e+03	1.7206e+04
	251	3.6380e-12	-1.0473e+02	3.9013e+01	-2.3618e+03	6.2701e+03	1.6832e+04
366	255	-3.6380e-12	1.3391e+02	-4.9881e+01	1.2388e+03	8.6873e+03	2.3322e+04

	254	3.6380e-12	-1.3391e+02	4.9881e+01	-1.2388e+03	7.7235e+03	2.0734e+04
367	253	-3.6380e-12	1.4199e+02	-5.2892e+01	5.2217e+03	7.6025e+03	2.0410e+04
	255	3.6380e-12	-1.4199e+02	5.2892e+01	-5.2217e+03	8.3974e+03	2.2544e+04
368	59	3.6380e-12	2.8123e+02	-1.0476e+02	4.6949e+03	1.6637e+04	4.4664e+04
	253	-3.6380e-12	-2.8123e+02	1.0476e+02	-4.6949e+03	1.5980e+04	4.2901e+04
377	54	0.0000e+00	3.4700e+02	-1.2926e+02	5.6922e+03	2.2213e+04	5.9633e+04
	236	0.0000e+00	-3.4700e+02	1.2926e+02	-5.6922e+03	1.9195e+04	5.1530e+04
378	236	0.0000e+00	1.9734e+02	-7.3510e+01	2.8962e+03	1.1188e+04	3.0035e+04
	244	0.0000e+00	-1.9734e+02	7.3510e+01	-2.8962e+03	1.2188e+04	3.2720e+04
379	244	3.6380e-12	2.0773e+02	-7.7378e+01	2.1990e+03	1.2309e+04	3.3045e+04
	238	-3.6380e-12	-2.0773e+02	7.7378e+01	-2.1990e+03	1.2297e+04	3.3012e+04
380	238	3.6380e-12	2.0593e+02	-7.6710e+01	2.3082e+03	1.2239e+04	3.2857e+04
	239	-3.6380e-12	-2.0593e+02	7.6710e+01	-2.3082e+03	1.2155e+04	3.2630e+04
381	239	-3.6380e-12	2.1771e+02	-8.1097e+01	2.3928e+03	1.2845e+04	3.4484e+04
	247	3.6380e-12	-2.1771e+02	8.1097e+01	-2.3928e+03	1.4363e+04	3.8559e+04
382	247	3.6380e-12	2.7299e+02	-1.0169e+02	1.8754e+03	1.5870e+04	4.2605e+04
	234	-3.6380e-12	-2.7299e+02	1.0169e+02	-1.8754e+03	1.5450e+04	4.1477e+04
383	234	0.0000e+00	2.5841e+02	-9.6256e+01	4.0371e+03	1.5366e+04	4.1251e+04
	235	0.0000e+00	-2.5841e+02	9.6256e+01	-4.0371e+03	1.4762e+04	3.9630e+04
384	235	0.0000e+00	4.0862e+02	-1.5221e+02	4.8332e+03	2.2516e+04	6.0445e+04
	56	0.0000e+00	-4.0862e+02	1.5221e+02	-4.8332e+03	2.4876e+04	6.6782e+04
446	307	0.0000e+00	2.8961e+02	-1.0788e+02	7.3370e+03	1.6332e+04	4.3844e+04
	165	0.0000e+00	-2.8961e+02	1.0788e+02	-7.3370e+03	1.8227e+04	4.8933e+04
447	300	0.0000e+00	1.3837e+02	-5.1543e+01	3.6531e+03	8.9048e+03	2.3906e+04
	307	0.0000e+00	-1.3837e+02	5.1543e+01	-3.6531e+03	7.4858e+03	2.0096e+04
448	303	0.0000e+00	9.9261e+01	-3.6975e+01	5.2243e+03	5.7232e+03	1.5364e+04
	300	0.0000e+00	-9.9261e+01	3.6975e+01	-5.2243e+03	6.0347e+03	1.6201e+04
449	314	1.4552e-11	1.9323e+02	-7.1978e+01	1.5443e+02	1.1209e+04	3.0091e+04
	303	-1.4552e-11	-1.9323e+02	7.1978e+01	-1.5443e+02	1.1680e+04	3.1356e+04
450	302	-1.4552e-11	1.3634e+02	-5.0787e+01	2.6952e+03	8.3513e+03	2.2420e+04
	314	1.4552e-11	-1.3634e+02	5.0787e+01	-2.6952e+03	8.1545e+03	2.1892e+04
451	308	0.0000e+00	1.7042e+02	-6.3481e+01	1.4987e+03	1.1029e+04	2.9609e+04
	302	0.0000e+00	-1.7042e+02	6.3481e+01	-1.4987e+03	9.8560e+03	2.6459e+04
452	313	0.0000e+00	1.8256e+02	-6.8004e+01	6.1651e+03	9.8434e+03	2.6425e+04
	308	0.0000e+00	-1.8256e+02	6.8004e+01	-6.1651e+03	1.0728e+04	2.8800e+04
453	80	0.0000e+00	3.5289e+02	-1.3145e+02	5.2589e+03	2.0738e+04	5.5672e+04
	313	0.0000e+00	-3.5289e+02	1.3145e+02	-5.2589e+03	2.0192e+04	5.4206e+04
462	125	0.0000e+00	4.3235e+02	-1.6105e+02	7.2661e+03	2.7630e+04	7.4174e+04
	317	0.0000e+00	-4.3235e+02	1.6105e+02	-7.2661e+03	2.3963e+04	6.4330e+04
463	317	-7.2760e-12	2.5552e+02	-9.5180e+01	3.6407e+03	1.4562e+04	3.9092e+04
	324	7.2760e-12	-2.5552e+02	9.5180e+01	-3.6407e+03	1.5706e+04	4.2163e+04
464	324	0.0000e+00	2.6346e+02	-9.8137e+01	2.7507e+03	1.5599e+04	4.1876e+04
	331	0.0000e+00	-2.6346e+02	9.8137e+01	-2.7507e+03	1.5609e+04	4.1903e+04
465	331	0.0000e+00	2.6222e+02	-9.7676e+01	2.7708e+03	1.5580e+04	4.1827e+04
	319	0.0000e+00	-2.6222e+02	9.7676e+01	-2.7708e+03	1.5481e+04	4.1559e+04
466	319	0.0000e+00	2.7592e+02	-1.0278e+02	2.9549e+03	1.6306e+04	4.3776e+04
	310	0.0000e+00	-2.7592e+02	1.0278e+02	-2.9549e+03	1.8176e+04	4.8795e+04
467	310	0.0000e+00	3.4279e+02	-1.2769e+02	2.1678e+03	1.9925e+04	5.3490e+04
	329	0.0000e+00	-3.4279e+02	1.2769e+02	-2.1678e+03	1.9403e+04	5.2090e+04
468	329	0.0000e+00	3.3400e+02	-1.2441e+02	4.9249e+03	1.9760e+04	5.3048e+04

	323	0.0000e+00	-3.3400e+02	1.2441e+02	-4.9249e+03	1.9181e+04	5.1493e+04
469	323	0.0000e+00	4.9143e+02	-1.8306e+02	5.3144e+03	2.7762e+04	7.4529e+04
	75	0.0000e+00	-4.9143e+02	1.8306e+02	-5.3144e+03	2.9235e+04	7.8484e+04
564	441	0.0000e+00	2.1150e+02	7.8785e+01	8.5337e+03	-1.1480e+04	3.0820e+04
	170	0.0000e+00	-2.1150e+02	-7.8785e+01	-8.5337e+03	-1.3759e+04	3.6936e+04
565	459	2.9104e-11	9.7711e+01	3.6397e+01	2.3052e+03	-6.7374e+03	1.8087e+04
	441	-2.9104e-11	-9.7711e+01	-3.6397e+01	-2.3052e+03	-4.8369e+03	1.2985e+04
566	439	-2.9104e-11	4.8271e+01	1.7981e+01	3.7251e+03	-2.5761e+03	6.9158e+03
	459	2.9104e-11	-4.8271e+01	-1.7981e+01	-3.7251e+03	-3.1418e+03	8.4345e+03
567	444	-1.4552e-11	1.4821e+02	5.5209e+01	6.4026e+02	-8.3532e+03	2.2425e+04
	439	1.4552e-11	-1.4821e+02	-5.5209e+01	-6.4026e+02	-9.2033e+03	2.4707e+04
568	423	0.0000e+00	8.2419e+01	3.0701e+01	2.4347e+03	-5.2123e+03	1.3993e+04
	444	0.0000e+00	-8.2419e+01	-3.0701e+01	-2.4347e+03	-4.7656e+03	1.2794e+04
569	468	0.0000e+00	1.2540e+02	4.6711e+01	1.2800e+03	-8.3500e+03	2.2416e+04
	423	0.0000e+00	-1.2540e+02	-4.6711e+01	-1.2800e+03	-7.0178e+03	1.8840e+04
570	432	0.0000e+00	1.2091e+02	4.5037e+01	5.1815e+03	-6.1618e+03	1.6542e+04
	468	0.0000e+00	-1.2091e+02	-4.5037e+01	-5.1815e+03	-7.4618e+03	2.0032e+04
571	84	-1.4552e-11	2.6956e+02	1.0041e+02	5.3070e+03	-1.6075e+04	4.3155e+04
	432	1.4552e-11	-2.6956e+02	-1.0041e+02	-5.3070e+03	-1.5189e+04	4.0776e+04
580	163	-4.3656e-11	2.7647e+02	1.0298e+02	7.0376e+03	-1.8275e+04	4.9062e+04
	419	4.3656e-11	-2.7647e+02	-1.0298e+02	-7.0376e+03	-1.4715e+04	3.9504e+04
581	419	0.0000e+00	1.4463e+02	5.3872e+01	3.6789e+03	-7.9200e+03	2.1262e+04
	443	0.0000e+00	-1.4463e+02	-5.3872e+01	-3.6789e+03	-9.2115e+03	2.4729e+04
582	443	0.0000e+00	1.5263e+02	5.6853e+01	3.2599e+03	-8.9788e+03	2.4104e+04
	417	0.0000e+00	-1.5263e+02	-5.6853e+01	-3.2599e+03	-9.1004e+03	2.4431e+04
583	417	0.0000e+00	1.5151e+02	5.6435e+01	1.3226e+03	-9.1054e+03	2.4444e+04
	438	0.0000e+00	-1.5151e+02	-5.6435e+01	-1.3226e+03	-8.8411e+03	2.3735e+04
584	438	-1.4552e-11	1.6847e+02	6.2756e+01	2.2910e+03	-9.6551e+03	2.5920e+04
	448	1.4552e-11	-1.6847e+02	-6.2756e+01	-2.2910e+03	-1.1400e+04	3.0604e+04
585	448	0.0000e+00	2.0539e+02	7.6506e+01	1.5550e+03	-1.2066e+04	3.2393e+04
	434	0.0000e+00	-2.0539e+02	-7.6506e+01	-1.5550e+03	-1.1497e+04	3.0866e+04
586	434	-1.4552e-11	2.0144e+02	7.5034e+01	4.8720e+03	-1.2172e+04	3.2676e+04
	433	1.4552e-11	-2.0144e+02	-7.5034e+01	-4.8720e+03	-1.1314e+04	3.0374e+04
587	433	0.0000e+00	3.2708e+02	1.2184e+02	5.2577e+03	-1.8102e+04	4.8596e+04
	79	0.0000e+00	-3.2708e+02	-1.2184e+02	-5.2577e+03	-1.9834e+04	5.3245e+04
597	441	2.9104e-11	2.1864e+02	8.1443e+01	-4.4243e+03	-8.6671e+03	2.3268e+04
	424	-2.9104e-11	-2.1864e+02	-8.1443e+01	4.4243e+03	-7.0921e+03	1.9039e+04
635	367	0.0000e+00	2.9603e+02	-1.1027e+02	6.4351e+03	1.6637e+04	4.4664e+04
	167	0.0000e+00	-2.9603e+02	1.1027e+02	-6.4351e+03	1.8688e+04	5.0169e+04
636	349	0.0000e+00	1.5906e+02	-5.9249e+01	3.8127e+03	1.0052e+04	2.6985e+04
	367	0.0000e+00	-1.5906e+02	5.9249e+01	-3.8127e+03	8.7895e+03	2.3596e+04
637	355	0.0000e+00	1.0620e+02	-3.9560e+01	4.9944e+03	6.1593e+03	1.6535e+04
	349	0.0000e+00	-1.0620e+02	3.9560e+01	-4.9944e+03	6.4206e+03	1.7237e+04
638	366	2.9104e-11	2.1597e+02	-8.0448e+01	5.3835e+02	1.2526e+04	3.3627e+04
	355	-2.9104e-11	-2.1597e+02	8.0448e+01	-5.3835e+02	1.3056e+04	3.5051e+04
639	368	-1.4552e-11	1.5159e+02	-5.6466e+01	2.9619e+03	9.2923e+03	2.4946e+04
	366	1.4552e-11	-1.5159e+02	5.6466e+01	-2.9619e+03	9.0590e+03	2.4320e+04
640	352	0.0000e+00	1.8710e+02	-6.9693e+01	1.6676e+03	1.2092e+04	3.2463e+04
	368	0.0000e+00	-1.8710e+02	6.9693e+01	-1.6676e+03	1.0837e+04	2.9092e+04
641	353	0.0000e+00	2.0460e+02	-7.6213e+01	5.9196e+03	1.1132e+04	2.9886e+04

	352	0.0000e+00	-2.0460e+02	7.6213e+01	-5.9196e+03	1.1922e+04	3.2005e+04
642	82	2.9104e-11	3.7131e+02	-1.3831e+02	5.1197e+03	2.1870e+04	5.8711e+04
	353	-2.9104e-11	-3.7131e+02	1.3831e+02	-5.1197e+03	2.1195e+04	5.6899e+04
651	129	0.0000e+00	4.1481e+02	-1.5451e+02	6.4806e+03	2.6456e+04	7.1024e+04
	380	0.0000e+00	-4.1481e+02	1.5451e+02	-6.4806e+03	2.3043e+04	6.1860e+04
652	380	0.0000e+00	2.6238e+02	-9.7736e+01	3.6151e+03	1.5081e+04	4.0487e+04
	370	0.0000e+00	-2.6238e+02	9.7736e+01	-3.6151e+03	1.5999e+04	4.2950e+04
653	370	1.4552e-11	2.6152e+02	-9.7417e+01	2.7033e+03	1.5464e+04	4.1514e+04
	383	-1.4552e-11	-2.6152e+02	9.7417e+01	-2.7033e+03	1.5515e+04	4.1650e+04
654	383	0.0000e+00	2.6238e+02	-9.7736e+01	3.0092e+03	1.5580e+04	4.1826e+04
	371	0.0000e+00	-2.6238e+02	9.7736e+01	-3.0092e+03	1.5500e+04	4.1610e+04
655	371	-1.4552e-11	2.7542e+02	-1.0259e+02	3.0714e+03	1.6286e+04	4.3721e+04
	354	1.4552e-11	-2.7542e+02	1.0259e+02	-3.0714e+03	1.8134e+04	4.8683e+04
656	354	1.4552e-11	3.3812e+02	-1.2595e+02	2.1426e+03	1.9651e+04	5.2754e+04
	385	-1.4552e-11	-3.3812e+02	1.2595e+02	-2.1426e+03	1.9142e+04	5.1388e+04
657	385	0.0000e+00	3.3781e+02	-1.2583e+02	4.8532e+03	1.9945e+04	5.3544e+04
	386	0.0000e+00	-3.3781e+02	1.2583e+02	-4.8532e+03	1.9441e+04	5.2191e+04
658	386	0.0000e+00	4.8598e+02	-1.8103e+02	5.3803e+03	2.7422e+04	7.3617e+04
	77	0.0000e+00	-4.8598e+02	1.8103e+02	-5.3803e+03	2.8942e+04	7.7698e+04
Elem	Nodo	Nx	Ny	Nxy	Mx	My	Mxy
28	484	0.0000e+00	7.9893e-01	3.1749e-01	-2.7673e+01	6.7492e+01	-5.2553e+01
	482	0.0000e+00	3.7677e+00	-5.0380e-02	4.5441e+01	2.9349e+02	-6.3309e+01
	564	6.7755e-01	3.7677e+00	-1.4174e+00	3.5536e+01	-2.2722e+02	1.4482e+02
29	563	-2.1164e-01	6.4861e-02	2.5153e-01	2.9334e+01	-7.3187e+00	2.3925e+01
	484	-2.1164e-01	4.3283e-01	-5.4781e-01	-2.1307e+01	-2.1369e+01	3.0366e+01
	564	1.5243e+00	6.4861e-02	5.1746e-02	3.6328e+01	2.6130e+01	8.6686e+00
30	563	6.4861e-02	9.2728e-01	-2.3511e-01	-3.2518e+01	3.1973e+01	4.7074e+01
	564	6.4861e-02	1.7871e+00	-3.5324e-02	4.4082e+01	1.5067e+02	-3.9233e+00
	544	-3.0311e-01	1.7871e+00	-4.3125e-01	-2.8820e+00	-1.8808e+02	1.0538e+02
31	543	-1.0051e-01	-3.1036e-02	3.0550e-01	8.2302e+00	1.9073e+01	-6.8235e+00
	563	-1.0051e-01	2.1275e-01	-1.5785e-01	-3.3530e+01	2.6782e+01	-3.3038e+01
	544	9.0576e-01	-3.1036e-02	1.7314e-01	-2.0235e+01	8.2273e+00	1.5470e+00
32	543	-3.1036e-02	4.1860e-01	-2.2462e-01	-6.7678e+00	2.6805e+01	3.7004e+01
	544	-3.1036e-02	3.4365e-01	-9.2257e-02	1.5179e+01	9.3106e+01	5.5877e+00
	1	-2.7482e-01	3.4365e-01	-5.7747e-02	-1.3753e+01	-1.2364e+02	6.6646e+01
33	58	2.2338e-02	0.0000e+00	1.5685e-01	1.0671e+01	1.0431e+01	-1.2239e+01
	543	2.2338e-02	-1.7168e-03	5.8072e-02	-3.3024e+01	2.3486e+01	-4.3372e+01
	1	2.3687e-01	0.0000e+00	1.5779e-01	-2.3136e+01	1.3115e+00	1.9363e+00
34	523	2.8478e-03	-4.8686e-02	-1.1150e-01	5.4088e+00	2.3395e+01	1.6944e+01
	561	2.8478e-03	6.7520e-03	-1.2875e-01	-2.0337e+01	1.7720e+01	9.6535e+00
	541	3.4872e-02	6.7520e-03	-1.5448e-01	-2.7104e+01	-1.0524e+01	4.3862e+00
35	519	-2.2258e-02	-5.6056e-04	1.3041e-01	-2.2766e+01	1.6171e+01	-3.1590e+00
	523	-2.2258e-02	2.3468e-03	1.2350e-01	4.9793e+01	2.1255e+01	7.1581e+00
	541	-7.3584e-03	-5.6056e-04	1.2884e-01	-1.1652e+01	-1.5802e+01	2.3178e+00
36	519	-5.6056e-04	4.7875e-02	-1.3867e-01	1.8152e+01	1.1982e+01	2.5195e+00
	541	-5.6056e-04	-1.6027e-02	-1.3710e-01	-1.7658e+01	1.4334e+01	5.7134e+00
	536	-3.4680e-03	-1.6027e-02	-1.0744e-01	-1.4693e+01	-2.0045e+01	7.8969e+00
37	52	5.3484e-02	0.0000e+00	1.1348e-01	-3.1247e+00	3.7847e+00	-2.1124e+00
	519	5.3484e-02	-1.6958e-02	1.3244e-01	7.8422e+00	1.3887e+01	-7.5377e+00
	536	1.2636e-02	0.0000e+00	1.2261e-01	-8.9693e+00	3.1589e+00	8.7707e+00
38	523	-3.8284e-01	2.8478e-03	1.6847e-01	3.8033e+01	-6.9637e+00	-1.6952e+01
	161	-3.8284e-01	-9.1479e-16	1.9414e-01	-1.5895e+02	-2.5605e+01	2.6035e+01
	486	6.5012e-02	-9.1479e-16	8.7937e-02	-4.8797e+00	3.0395e+01	3.6629e+01

	561	6.5012e-02	2.8478e-03	6.2262e-02	-2.3421e+01	-7.9136e+00	-6.3586e+00
39	560	1.8830e-01	5.9106e-02	8.3313e-03	-6.1891e+00	-4.7896e+00	-3.3463e+00
	579	1.8830e-01	0.0000e+00	5.3028e-01	-1.0050e+01	7.9551e+00	-8.8225e+00
	161	-3.8284e-01	0.0000e+00	-2.2074e-02	-3.6545e+01	-8.6326e+00	-7.5996e+00
	523	-3.8284e-01	5.9106e-02	-5.4402e-01	1.2628e+01	6.2318e-01	-2.1235e+00
40	540	-2.5982e-02	-7.9884e-02	-1.3131e-02	-3.4758e+00	-3.4585e+00	-4.4882e+00
	560	-2.5982e-02	5.9106e-02	-2.1579e-01	-1.5779e+00	-2.8867e+00	-2.3731e+00
	523	-2.2258e-02	5.9106e-02	5.9010e-02	-1.2844e+01	-1.5714e+00	-2.9119e+00
	519	-2.2258e-02	-7.9884e-02	2.6167e-01	1.0756e+01	5.3777e-01	-5.0271e+00
41	412	-2.9701e-02	0.0000e+00	4.7993e-02	2.0419e+00	-2.9916e+00	-7.3982e+00
	540	-2.9701e-02	-7.9884e-02	1.4636e-01	-9.6774e-01	2.6072e+00	-6.2045e+00
	519	5.3484e-02	-7.9884e-02	1.3607e-01	-1.0866e+01	-4.7136e+00	-6.7926e+00
	52	5.3484e-02	0.0000e+00	3.7711e-02	1.3614e+01	2.5632e+00	-7.9863e+00
42	557	-8.2991e-02	-3.0420e-01	3.9750e-01	6.8361e+01	-2.4121e+01	-1.7556e+01
	490	-4.8261e-01	4.4835e-01	3.5645e+00	-2.4333e+01	-2.0034e+01	2.5684e+01
	488	5.8363e+00	2.8161e-01	2.4311e+00	1.0784e+02	2.4824e+01	3.3865e+01
	481	4.7530e+00	7.7676e-01	-1.9136e+00	2.6788e+01	2.8100e+00	5.5966e+00
43	480	-2.3189e+00	1.9436e+00	9.7706e-02	1.6579e+01	4.4170e+00	-2.1269e+01
	558	-1.8523e+00	1.4216e+00	5.3099e-02	1.1789e+01	9.0886e+00	-2.4782e+00
	557	2.6973e-01	1.3221e-01	-4.2189e-01	-7.0108e+00	-4.4207e+00	-6.2111e+00
	481	7.3637e-01	1.7721e+00	-1.4003e+00	2.2025e+01	1.0636e+01	-6.5550e+00
44	577	2.9391e-01	-2.4706e-01	-1.3012e+00	1.5643e+01	-9.5573e+00	-1.2731e+01
	480	2.8474e-01	-4.0089e-01	-1.2451e+00	2.9291e+01	-1.5096e+01	1.1857e+01
	481	4.9608e+00	-4.5924e-01	-1.3361e+00	5.0656e+01	2.1441e+01	1.8346e+01
	488	4.9517e+00	-3.0269e-01	-1.3785e+00	9.8314e+01	3.1305e+00	-1.1089e+00
45	559	2.4525e-01	4.2651e-01	-4.3505e-01	-7.7005e-01	5.0641e+00	1.6059e+00
	558	2.4525e-01	-2.1235e-01	1.4733e+00	6.9972e+00	1.0249e+01	4.4577e+00
	480	2.2512e-01	-2.1235e-01	2.0039e+00	-3.9840e+00	3.5200e+01	9.6639e+00
	472	2.2512e-01	-2.0400e+00	1.1895e-01	1.0855e+01	2.0687e+01	7.5867e+00
46	489	-7.4687e-01	-1.3726e+00	-2.0623e+00	1.4260e+01	5.9259e+01	3.1587e+01
	578	-9.5915e-01	1.4512e+00	-2.3374e+00	7.7658e-01	-2.4053e+00	2.2670e+01
	559	-1.1327e-01	4.7370e-01	1.0597e-01	-5.5658e+00	1.7883e+01	4.9878e+00
	472	-3.1385e-01	-7.1112e+00	1.3936e+00	8.2709e+00	4.2658e+01	7.3256e+00
47	577	3.5437e-15	4.6858e-02	1.5506e+00	-6.2579e+00	1.1127e+01	-1.3344e+01
	489	3.4750e-15	-5.7930e+00	1.7481e+00	1.1846e+01	7.3348e+01	-1.1668e+01
	472	2.2512e-01	-5.3859e+00	1.2969e+00	2.2876e+01	4.6542e+01	6.6875e+00
	480	2.2512e-01	4.6858e-02	1.1577e+00	-9.7019e+00	3.2491e+01	7.6894e+00
48	24	-2.1759e-02	3.3614e-02	2.6157e-01	-2.7889e+00	2.9802e+00	6.4844e+00
	427	-2.1759e-02	0.0000e+00	3.6447e-01	2.5918e+01	-1.6131e+00	2.9565e-01
	490	-3.4262e-02	0.0000e+00	4.3598e-01	1.2329e+02	-6.6952e-01	-5.9852e+00
	557	-3.4262e-02	3.3614e-02	3.3308e-01	-1.3427e+02	-7.0378e-01	2.0355e-01
49	505	8.7032e-03	2.2051e-02	4.3149e-01	8.5054e+00	5.2231e-01	-5.1092e+00
	428	8.7032e-03	0.0000e+00	4.7281e-01	1.7047e+01	-4.2905e-01	-3.6137e+00
	427	-2.1759e-02	0.0000e+00	3.6841e-01	2.7493e+01	1.0470e-01	-3.8600e+00
	24	-2.1759e-02	2.2051e-02	3.2709e-01	6.3137e+00	-6.6816e-01	-5.3555e+00
50	604	-4.5976e-01	3.6627e-01	2.0898e-01	1.8705e+00	-5.9003e+00	-5.3600e+00
	430	-4.1576e-01	4.4469e-01	2.8654e-01	-3.0076e-02	-1.7941e+00	-1.2842e+00
	428	-4.2413e-01	4.3283e-01	2.7352e-01	1.0155e+01	9.0375e-01	2.5257e+00
	505	-3.8012e-01	3.8421e-01	2.4723e-01	9.3840e+00	-3.6796e+00	-2.5046e+00
51	603	-4.1287e-01	4.1402e-01	2.5910e-01	3.2466e+00	1.3820e-02	-5.0228e+00
	583	-4.4396e-01	4.4465e-01	2.7870e-01	3.6595e-01	-5.4653e+00	-6.3923e+00
	430	-4.1467e-01	4.4644e-01	2.8843e-01	-2.9166e+00	-1.1671e+01	-8.9799e+00
	604	-4.4575e-01	3.9705e-01	2.3467e-01	2.1565e+00	-1.3149e+01	-2.4897e+00
52	602	3.8501e-01	-3.6467e-01	3.1117e-01	-1.1974e+01	-5.1100e+00	2.4893e+00
	437	3.4165e-01	-4.2998e-01	3.8881e-01	-2.3314e+01	-1.4381e+01	1.5637e+01
	583	4.1484e-01	-4.1416e-01	3.5478e-01	-4.5699e+00	-1.3570e+00	6.7770e+00
	603	3.7148e-01	-3.6827e-01	3.1819e-01	-8.0747e+00	5.7705e+00	1.4289e-01

53	601	3.9900e-01	-4.1155e-01	3.6082e-02	-1.8066e+01	-1.2502e+01	9.9271e+00
	446	3.9900e-01	-5.3221e-01	1.0572e-01	-2.7900e+01	-2.2343e+01	2.1760e+01
	437	4.9623e-01	-5.5306e-01	7.2330e-02	-2.0830e+01	-1.3266e+01	1.8155e+01
	602	4.9623e-01	-4.3239e-01	2.6878e-03	-1.6846e+01	-5.1061e+00	1.1731e+01
54	600	3.1370e-01	-2.8952e-01	1.0755e-01	-8.0403e+00	-2.7309e+00	7.5995e+00
	455	3.3103e-01	-3.6532e-01	1.5054e-01	-3.2628e+01	-8.9732e+00	1.7972e+01
	446	3.7069e-01	-3.9212e-01	1.5628e-01	-4.2500e+01	-6.8598e+00	2.1564e+01
	601	3.8801e-01	-2.9805e-01	8.8098e-02	-2.2594e+01	-5.2392e+00	1.3432e+01
55	599	1.2258e-01	-1.4523e-01	9.6145e-02	-2.4348e+01	7.9565e+00	2.5875e+01
	460	1.2258e-01	-2.1713e-01	2.0782e-01	-2.9804e+01	-1.0149e+01	2.5282e+01
	455	2.5942e-01	-2.8760e-01	2.5295e-01	-3.5700e+01	-6.1163e+00	1.7068e+01
	600	2.5942e-01	-2.1570e-01	1.4128e-01	-1.7747e+01	-6.5312e+00	5.3983e+00
56	598	-6.4424e-01	-2.1758e-01	3.7930e-01	-1.3255e+02	-4.0665e+01	1.7825e+01
	25	-6.7030e-01	-1.1821e-01	3.3406e-01	-2.6338e+02	-4.3704e+01	9.9163e+01
	460	9.3979e-02	-4.4599e-02	8.6151e-02	-8.4206e+01	-1.7325e+01	6.6131e+01
	599	6.7916e-02	-1.5448e-01	1.6023e-01	-6.3751e+01	2.2434e+01	1.7737e+01
57	597	-6.1047e-02	5.4425e-02	3.9975e-01	-1.0406e+01	-8.9122e+00	3.6251e-01
	24	-6.1047e-02	3.3614e-02	2.9762e-01	9.5017e+00	-4.5831e+00	6.4684e+00
	557	6.5169e-01	3.3614e-02	2.5106e-01	1.0526e+02	3.7872e+00	-1.4768e+00
	537	6.5169e-01	5.4425e-02	3.5319e-01	-7.2518e+01	1.3883e+01	-7.5826e+00
58	596	-3.7190e-02	2.3133e-02	4.8035e-01	-3.7805e-01	8.5743e-01	-3.5395e+00
	505	-3.7190e-02	2.2051e-02	4.2366e-01	4.1962e+00	8.3372e-01	-5.4779e+00
	24	-6.1047e-02	2.2051e-02	3.6314e-01	1.2302e+00	-1.5766e+00	-5.0383e+00
	597	-6.1047e-02	2.3133e-02	4.1983e-01	-8.1113e+00	-1.9188e+00	-3.1000e+00
59	595	-2.0843e-02	5.4120e-04	5.3178e-01	9.1444e+00	3.9271e+00	-5.7253e+00
	604	-2.0843e-02	-4.6144e-03	4.5617e-01	6.4697e+00	2.3529e+00	-7.5123e+00
	505	-3.7190e-02	-4.6144e-03	4.4729e-01	7.4683e+00	-1.3081e-01	-6.4148e+00
	596	-3.7190e-02	5.4120e-04	5.2290e-01	1.5698e+00	-2.8980e+00	-4.6278e+00
60	594	-7.1216e-03	-5.3422e-04	5.5575e-01	2.2563e+01	2.9195e+00	-4.3806e+00
	603	-7.1216e-03	4.6077e-04	4.7691e-01	4.0761e+00	5.5914e+00	-5.9306e+00
	604	-2.0843e-02	4.6077e-04	4.7410e-01	3.9799e+00	-5.6442e+00	-5.9484e+00
	595	-2.0843e-02	-5.3422e-04	5.5294e-01	1.4103e+01	-2.9593e+00	-4.3984e+00
61	593	1.1127e-02	-2.0668e-03	5.6115e-01	3.1942e+01	-8.0630e-01	-6.1246e+00
	602	1.1127e-02	2.5224e-03	4.9520e-01	-9.6778e-01	-1.4515e+00	-6.5214e+00
	603	-7.1216e-03	2.5224e-03	4.7688e-01	3.8215e+00	2.4810e+00	-5.2518e+00
	594	-7.1216e-03	-2.0668e-03	5.4283e-01	2.5328e+01	7.3174e-01	-4.8550e+00
62	592	3.1725e-02	-9.9364e-03	4.3881e-01	4.2152e+01	1.2117e+00	-3.8526e+00
	601	3.1725e-02	-4.0475e-03	3.8673e-01	-1.9217e+00	-1.6961e+00	-4.8838e+00
	602	1.1127e-02	-4.0475e-03	4.6799e-01	8.0619e-01	2.4798e-02	-5.2889e+00
	593	1.1127e-02	-9.9364e-03	5.2007e-01	3.3732e+01	-2.5894e+00	-4.2577e+00
63	591	1.2798e-03	2.4564e-03	3.6104e-01	4.0605e+01	-5.3921e-01	-4.0863e+00
	600	1.2798e-03	5.5775e-03	3.1579e-01	1.6466e+00	3.6171e+00	-4.0339e+00
	601	3.1725e-02	5.5775e-03	3.3625e-01	3.2495e+00	1.5861e+00	-7.4993e-01
	592	3.1725e-02	2.4564e-03	3.8150e-01	3.9291e+01	3.3626e+00	-8.0232e-01
64	590	7.1047e-02	-2.0000e-02	2.7428e-01	3.7656e+01	1.2301e+01	-1.2584e+01
	599	7.1047e-02	-2.5454e-02	2.1899e-01	-2.2423e+01	1.9870e+01	-9.9754e+00
	600	1.2798e-03	-2.5454e-02	2.6083e-01	-6.8265e+00	-6.2477e+00	-2.0721e+00
	591	1.2798e-03	-2.0000e-02	3.1612e-01	3.6457e+01	-4.4053e+00	-4.6805e+00
65	589	-2.4928e-01	-1.8844e-02	1.2597e-01	1.8206e+01	-1.5916e+01	-2.0141e+01
	598	-2.4928e-01	-7.3308e-02	1.4264e-01	-9.2213e+01	-3.1321e+01	-7.0934e+00
	599	7.1047e-02	-7.3308e-02	2.3646e-01	-4.3430e+01	2.7223e+01	-7.2929e+00
	590	7.1047e-02	-1.8844e-02	2.1980e-01	3.2190e+01	1.1983e+01	-2.0340e+01
66	415	-1.2168e-01	0.0000e+00	2.9085e-01	-2.1266e+01	-1.3074e+00	-5.4020e+00
	597	-1.2168e-01	5.4425e-02	4.4923e-01	-7.5399e+00	-1.1240e+01	5.1505e-01
	537	2.2472e-01	5.4425e-02	2.9074e-01	3.3066e+01	1.4031e+01	2.4438e+00
	53	2.2472e-01	0.0000e+00	1.3236e-01	-2.9265e+01	2.6981e+00	-3.4733e+00
67	418	-3.4680e-02	0.0000e+00	3.8018e-01	-1.2737e+01	6.2899e-01	1.7771e+00

	596	-3.4680e-02	2.3133e-02	4.7696e-01	-4.0805e+00	7.4455e-01	-1.0376e+00
	597	-1.2168e-01	2.3133e-02	4.6931e-01	-8.3656e+00	-2.0211e+00	-2.7199e+00
	415	-1.2168e-01	0.0000e+00	3.7252e-01	-2.3989e+01	-6.8646e-01	9.4763e-02
68	425	-2.4554e-02	-1.7652e-30	4.1401e-01	1.7832e+01	2.9114e+00	4.8348e+00
	595	-2.4554e-02	5.4120e-04	5.5043e-01	1.1726e+01	5.0859e+00	-3.7232e+00
	596	-3.4680e-02	5.4120e-04	5.1951e-01	3.0916e+00	-4.6171e+00	-3.4240e+00
	418	-3.4680e-02	-1.3352e-30	3.8308e-01	-5.0264e+00	-2.7680e+00	5.1340e+00
69	450	-2.4758e-02	2.5069e-30	4.0483e-01	4.5569e+01	9.7335e-01	1.7117e+00
	594	-2.4758e-02	-5.3422e-04	5.6614e-01	2.6078e+01	3.0251e+00	-2.6471e+00
	595	-2.4554e-02	-5.3422e-04	5.7160e-01	1.7950e+01	-2.5110e+00	-1.6808e+00
	425	-2.4554e-02	2.5407e-30	4.1029e-01	2.9637e+01	-1.1595e+00	2.6780e+00
70	451	-2.0689e-02	0.0000e+00	4.4355e-01	6.9260e+01	7.0254e-01	-1.5538e-02
	593	-2.0689e-02	-2.0668e-03	5.7307e-01	3.9479e+01	6.5084e-01	-4.4043e+00
	594	-2.4758e-02	-2.0668e-03	5.5322e-01	3.3175e+01	3.9857e-01	-2.6475e+00
	450	-2.4758e-02	0.0000e+00	4.2370e-01	5.5377e+01	-1.1809e+00	1.7413e+00
71	454	8.2360e-02	0.0000e+00	3.8059e-01	1.0402e+02	8.8998e-01	1.2531e+00
	592	8.2360e-02	-9.9364e-03	4.2730e-01	5.2559e+01	2.8167e+00	-3.9753e+00
	593	-2.0689e-02	-9.9364e-03	5.3199e-01	4.6858e+01	-2.3898e+00	-2.3690e+00
	451	-2.0689e-02	0.0000e+00	4.8528e-01	8.0858e+01	-1.6271e+00	2.8594e+00
72	457	1.3031e-02	-6.5090e-16	3.1536e-01	8.7826e+01	-1.0336e+00	-8.2816e+00
	591	1.3031e-02	2.4564e-03	3.6886e-01	4.9776e+01	-1.2119e+00	-4.3058e+00
	592	8.2360e-02	2.4564e-03	3.7000e-01	5.7674e+01	4.3529e+00	1.3727e-01
	454	8.2360e-02	-6.5321e-16	3.1649e-01	1.0187e+02	9.5488e-01	-3.8385e+00
73	462	6.5324e-02	1.6126e-30	2.6041e-01	1.1273e+02	2.1163e+00	-9.9231e+00
	590	6.5324e-02	-2.0000e-02	2.7673e-01	4.9880e+01	1.1393e+01	-1.4518e+01
	591	1.3031e-02	-2.0000e-02	3.2394e-01	5.0040e+01	-4.5140e+00	-5.8683e+00
	457	1.3031e-02	1.9049e-30	3.0762e-01	8.7214e+01	-1.5055e+00	-1.2739e+00
74	414	4.7738e-02	-3.0002e-16	7.4304e-02	1.6881e+02	-7.2431e-02	-1.4938e+01
	589	4.7738e-02	-1.8844e-02	1.2155e-01	6.0106e+01	-6.5568e+00	-2.3320e+01
	590	6.5324e-02	-1.8844e-02	2.2224e-01	5.2781e+01	7.8589e+00	-1.9188e+01
	462	6.5324e-02	-7.1593e-16	1.7500e-01	1.3582e+02	-2.0608e+00	-1.0807e+01
75	575	-1.1550e-01	4.5491e-02	9.1425e-02	1.2213e+01	-8.5316e+00	-7.2576e-01
	410	-8.8805e-02	7.7821e-02	1.5897e-01	6.4175e+01	-2.4077e+00	1.4391e+01
	471	-3.6608e-02	3.0904e-02	6.2975e-02	9.5375e+01	5.8349e+00	2.1016e+01
	576	-9.9096e-03	1.6670e-03	8.2948e-03	1.0778e+01	2.5154e+00	-6.0544e+00
76	574	-2.2602e-01	1.5442e-01	1.2279e-01	7.3150e+00	-5.8504e+00	-1.7089e+00
	408	-2.2602e-01	2.1423e-01	1.8088e-01	4.1686e+01	-8.6400e-01	1.2865e+01
	410	-1.4528e-01	1.9257e-01	1.7591e-01	4.0846e+01	5.3875e+00	1.2114e+01
	575	-1.4528e-01	1.3276e-01	1.1782e-01	-5.7892e-01	-2.4133e+00	-4.3427e+00
77	573	-3.8301e-01	2.7931e-01	1.6286e-03	1.1559e+01	-5.7420e+00	3.3909e+00
	405	-3.5969e-01	3.8176e-01	7.2930e-02	2.2188e+01	-1.6634e-01	1.0724e+01
	408	-3.0845e-01	3.3870e-01	6.9222e-02	2.6819e+01	7.5206e+00	1.3383e+01
	574	-2.8512e-01	2.6911e-01	3.7072e-02	2.7666e+00	-4.9573e+00	-4.9483e+00
78	572	-3.4276e-01	3.2674e-01	1.6015e-01	3.9052e+00	-8.6857e+00	-3.5271e+00
	585	-3.8145e-01	3.6655e-01	1.7920e-01	3.9286e+00	-4.5250e-01	3.7130e+00
	405	-2.9932e-01	3.8299e-01	2.1786e-01	1.8684e+01	1.2516e+01	1.1223e+01
	573	-3.3800e-01	3.1284e-01	1.5036e-01	6.4405e+00	2.3865e+00	-2.3598e+00
79	571	3.3428e-01	-3.0223e-01	2.5070e-01	-4.2042e+00	1.6919e+01	-3.6454e+00
	404	3.1199e-01	-3.3294e-01	2.9015e-01	4.9562e+00	1.7587e+01	-1.5034e+01
	585	3.0697e-01	-3.2186e-01	2.7926e-01	-3.9818e+00	7.0433e+00	-1.0543e+01
	572	2.8468e-01	-3.0029e-01	2.6000e-01	-1.0307e+01	-2.6331e+00	-3.9460e+00
80	570	4.0991e-01	-3.8795e-01	1.1851e-01	-5.8238e+00	8.4393e+00	-1.6804e+00
	403	4.1831e-01	-4.3206e-01	1.4551e-01	-3.7829e-01	8.0544e+00	-5.0256e+00
	404	3.9661e-01	-4.3258e-01	1.5375e-01	3.6308e+00	8.0131e+00	-7.2388e+00
	571	4.0501e-01	-3.7952e-01	1.1448e-01	-3.4964e+00	6.0340e+00	-4.7475e+00
81	569	3.2772e-01	-3.1217e-01	2.3366e-01	-4.6930e+00	6.7411e+00	-2.8509e+00
	402	3.3000e-01	-3.5100e-01	2.7168e-01	-3.3237e+00	4.9082e+00	-3.6411e+00

	403	3.4679e-01	-3.6171e-01	2.7831e-01	1.1593e+00	5.2153e+00	-6.1524e+00
	570	3.4908e-01	-3.2174e-01	2.3800e-01	-5.9823e+00	3.7596e+00	-4.1734e+00
82	568	1.6708e-01	-1.5942e-01	3.2017e-01	-4.7517e+00	2.0373e+00	-3.4505e+00
	401	1.8349e-01	-1.7268e-01	3.5431e-01	-9.6939e+00	7.1765e-01	-8.7328e-01
	402	1.7966e-01	-1.8096e-01	3.7275e-01	-3.0086e+00	1.8040e+00	-3.1702e+00
	569	1.9606e-01	-1.6630e-01	3.3180e-01	-3.3829e+00	3.0411e+00	-4.8722e+00
83	567	1.1567e-01	7.2702e-04	2.5829e-01	1.5250e+01	-2.5991e+00	-1.8225e+00
	470	1.1567e-01	7.4099e-17	3.2043e-01	-9.3026e+00	1.1679e-01	-4.3263e+00
	401	1.0806e-02	8.8794e-17	3.8621e-01	-7.7896e+00	7.3490e-02	-3.3159e+00
	568	1.0806e-02	7.2702e-04	3.2407e-01	-8.3552e-02	2.0572e+00	-8.1211e-01
84	566	6.4994e-01	2.2353e-02	1.4447e-01	1.3528e-01	4.8717e+00	-1.1573e-01
	581	6.4994e-01	-2.8147e-16	6.7632e-01	6.0274e+00	2.0275e-01	-3.2027e+00
	470	1.1567e-01	-2.8147e-16	4.7677e-01	2.3195e+01	-7.8941e-01	-5.6418e+00
	567	1.1567e-01	2.2353e-02	-5.5083e-02	-2.9842e+01	-3.1071e+00	-2.5549e+00
85	565	-2.2448e+00	-2.7116e-01	-1.2647e+00	-3.7156e+01	-1.3059e+01	-1.8267e+01
	483	-1.2846e+00	5.6959e-01	9.3156e-01	-4.9144e+01	-2.0202e-01	-4.7426e+00
	581	-2.9208e-01	9.4203e-01	1.7783e+00	-8.9771e+00	6.7723e+00	3.4090e+00
	566	6.6810e-01	2.0096e-01	2.3207e-02	-1.7907e+00	5.1256e+00	-1.2093e+01
86	564	4.4820e+00	-2.6436e-01	-8.5426e-01	8.5955e+01	8.1374e+01	1.7472e+01
	482	4.0778e+00	-3.1010e-01	-6.9089e-02	5.2672e+01	5.7809e+00	-2.2660e+01
	483	-2.1095e+00	-3.6625e-01	-9.7965e-01	-3.7108e+01	-5.2494e+01	-6.0430e+01
	565	-2.5137e+00	-3.1435e-01	-1.8578e+00	-5.4666e+00	-7.8169e+01	5.2165e+00
87	562	-9.2842e-04	-6.9715e-02	1.4576e-01	1.3259e+01	6.5936e+00	2.8343e+00
	580	-9.2842e-04	-1.4074e-16	2.2694e-01	1.1793e+01	-3.2299e+00	1.5449e+01
	484	-2.1164e-01	-1.4074e-16	2.1786e-01	9.7613e+01	-6.2246e-01	2.7614e+01
	563	-2.1164e-01	-6.9715e-02	1.3668e-01	-2.2222e+00	-1.9173e+01	1.4999e+01
88	561	6.5012e-02	6.5722e-03	1.0353e-01	4.1381e+00	1.1316e+01	2.0716e+00
	486	6.5012e-02	-3.0121e-16	1.4212e-01	-6.8920e+00	1.4435e+00	5.3464e-01
	580	-9.2842e-04	-4.6674e-16	1.7849e-01	-6.2180e+00	-1.7012e+00	2.4960e+00
	562	-9.2842e-04	6.5722e-03	1.3990e-01	-3.6709e+00	-1.3264e+01	4.0329e+00
89	559	4.9204e-01	-9.8532e-02	7.3124e-02	4.7308e+00	-6.2579e+00	-5.0721e+00
	578	4.9204e-01	-2.8147e-16	5.1144e-01	3.1828e-01	-4.5536e-01	-7.7489e+00
	579	1.8830e-01	-2.8147e-16	3.8190e-01	-3.1330e+00	-3.8503e-01	-4.1579e+00
	560	1.8830e-01	-9.8532e-02	-5.6414e-02	-4.4986e+00	2.3855e+00	-1.4812e+00
90	555	-4.0157e-02	-2.5717e-02	1.8729e-01	-1.0578e+02	-1.6616e-02	-4.6747e+00
	575	-4.0157e-02	-2.5384e-03	1.0102e-01	-3.1493e+01	-4.9737e+00	-4.6577e+00
	576	-1.2205e-01	-2.5384e-03	1.5676e-02	-2.3880e+01	2.9301e+00	-7.7417e+00
	556	-1.2205e-01	-2.5717e-02	1.0195e-01	-1.1331e+02	5.3716e-01	-7.7587e+00
91	554	-4.6883e-02	-7.6744e-03	2.7337e-01	-8.8012e+01	1.7926e+00	-2.5725e+00
	574	-4.6883e-02	-5.2512e-03	2.2595e-01	-3.0429e+01	-4.3483e-02	-4.9530e+00
	575	-4.0157e-02	-5.2512e-03	1.6646e-01	-2.8670e+01	-3.1450e+00	-8.5190e+00
	555	-4.0157e-02	-7.6744e-03	2.1388e-01	-1.0291e+02	-2.3969e+00	-6.1386e+00
92	553	-3.6833e-02	3.8861e-03	3.5515e-01	-6.8086e+01	1.2922e+00	-2.2134e+00
	573	-3.6833e-02	9.4413e-04	3.1327e-01	-2.8581e+01	-1.4921e+00	-4.7327e+00
	574	-4.6883e-02	9.4413e-04	2.7963e-01	-2.4762e+01	-4.3501e-01	-7.5404e+00
	554	-4.6883e-02	3.8861e-03	3.2151e-01	-8.4226e+01	-9.2293e-01	-5.0211e+00
93	552	-1.7652e-02	7.6813e-04	4.2046e-01	-5.1249e+01	1.3280e+00	-3.5094e+00
	572	-1.7652e-02	-1.1262e-03	3.7126e-01	-1.7315e+01	-1.0339e+00	-6.5859e+00
	573	-3.6833e-02	-1.1262e-03	3.4592e-01	-1.9578e+01	2.0781e+00	-7.6314e+00
	553	-3.6833e-02	7.6813e-04	3.9511e-01	-6.5073e+01	5.1608e-01	-4.5549e+00
94	551	-1.2318e-02	1.9458e-04	4.5398e-01	-3.5817e+01	4.2573e+00	-2.8017e+00
	571	-1.2318e-02	-7.1481e-04	4.0363e-01	-1.1368e+01	7.3657e+00	-5.4611e+00
	572	-1.7652e-02	-7.1481e-04	3.9151e-01	-1.4628e+01	-7.2465e+00	-6.7092e+00
	552	-1.7652e-02	1.9458e-04	4.4187e-01	-4.4790e+01	-3.0527e+00	-4.0498e+00
95	550	5.4120e-03	-1.9491e-04	4.6754e-01	-1.6974e+01	1.7668e+00	-3.4070e+00
	570	5.4120e-03	3.0095e-04	4.1100e-01	-7.1099e+00	1.8087e+00	-6.1524e+00
	571	-1.2318e-02	3.0095e-04	4.0774e-01	-1.1393e+01	-2.7008e+00	-7.2732e+00

	551	-1.2318e-02	-1.9491e-04	4.6428e-01	-2.8244e+01	-1.8675e+00	-4.5278e+00
96	549	2.5780e-02	8.8185e-04	4.4981e-01	-5.9583e-01	2.8419e+00	-3.4363e+00
	569	2.5780e-02	4.2101e-04	3.9290e-01	-1.1992e+00	2.3602e+00	-5.7884e+00
	570	5.4120e-03	4.2101e-04	4.0607e-01	-2.5659e+00	-1.7329e+00	-6.2690e+00
	550	5.4120e-03	8.8185e-04	4.6298e-01	-1.1870e+01	-1.8569e+00	-3.9169e+00
97	548	2.7666e-02	-3.4690e-03	4.1117e-01	8.1837e+00	3.5203e+00	-2.9712e+00
	568	2.7666e-02	-3.1427e-03	3.5477e-01	1.9655e+00	1.2578e+00	-4.2986e+00
	569	2.5780e-02	-3.1427e-03	3.7358e-01	1.6727e+00	4.9108e-01	-5.3408e+00
	549	2.5780e-02	-3.4690e-03	4.2998e-01	2.3706e+00	-8.6520e-01	-4.0134e+00
98	547	-5.9326e-02	-5.6040e-03	3.3492e-01	-2.8015e+00	-4.1351e+00	-2.9792e+00
	567	-5.9326e-02	7.2702e-04	2.5528e-01	-8.9599e+00	-3.8965e+00	3.3037e-01
	568	2.7666e-02	7.2702e-04	3.1953e-01	4.8523e-01	3.8757e+00	-5.0596e-01
	548	2.7666e-02	-5.6040e-03	3.9917e-01	6.0214e+00	4.7203e+00	-3.8155e+00
99	546	-1.5634e-01	-4.2738e-02	6.8697e-01	5.4062e+00	4.4202e+00	-3.0331e+00
	566	-1.5634e-01	2.2353e-02	2.4191e-01	-3.6735e-01	2.1533e+00	-2.3379e+00
	567	-5.9326e-02	2.2353e-02	-1.1408e-01	3.2289e+01	-2.4127e+00	-1.0773e+00
	547	-5.9326e-02	-4.2738e-02	3.3098e-01	-2.4366e+01	-5.8949e+00	-1.7725e+00
100	545	-7.1587e-01	1.6317e-01	8.4616e-02	2.0236e+00	-1.3664e-01	-8.4653e+00
	565	-7.1587e-01	2.1912e-01	-5.0558e-01	1.1794e+01	-4.0223e+00	-1.0269e+01
	566	-1.5634e-01	2.1912e-01	4.2096e-03	1.7990e+00	6.4618e+00	-8.4879e+00
	546	-1.5634e-01	1.6317e-01	5.9440e-01	4.5338e+00	8.5896e-01	-6.6840e+00
101	544	1.7871e+00	2.5179e-01	-8.6099e-01	5.3420e+01	4.0191e+01	4.1766e+00
	564	1.7871e+00	4.4992e-01	-1.4823e+00	1.3288e+01	7.1415e+01	-6.6354e+00
	565	-7.1587e-01	4.4992e-01	-1.0289e+00	-9.0484e+00	-6.0471e+01	-3.5951e+00
	545	-7.1587e-01	2.5179e-01	-4.0752e-01	2.0604e+01	-3.1630e+01	7.2169e+00
102	542	2.6754e-02	-3.5999e-02	1.5716e-01	1.2461e+01	4.1319e+00	-7.8430e+00
	562	2.6754e-02	-6.9715e-02	1.3107e-01	1.5769e+01	6.4131e+00	-2.7896e+00
	563	-1.0051e-01	-6.9715e-02	1.2120e-01	5.2669e+01	-2.2098e+01	-9.2733e+00
	543	-1.0051e-01	-3.5999e-02	1.4729e-01	3.7383e+00	-1.5165e+01	-1.4327e+01
103	541	6.7520e-03	-9.4741e-03	1.3875e-01	1.1223e+01	3.1970e+00	-4.5211e+00
	561	6.7520e-03	6.5722e-03	1.0394e-01	-1.0257e+01	1.1009e+01	-3.9877e+00
	562	2.6754e-02	6.5722e-03	1.2520e-01	-6.1125e-01	-1.2864e+01	-3.5632e+00
	542	2.6754e-02	-9.4741e-03	1.6002e-01	4.0527e+00	-5.4176e+00	-4.0965e+00
104	539	-3.5403e-01	2.8307e-03	5.5265e-01	-7.6144e+00	-6.8308e+00	-1.8547e-01
	559	-3.5403e-01	-9.8532e-02	2.7481e-01	-1.0081e+00	-7.8357e+00	6.3667e-01
	560	-2.5982e-02	-9.8532e-02	-2.8054e-01	-8.2334e-01	3.3005e+00	-7.3696e-01
	540	-2.5982e-02	2.8307e-03	-2.7023e-03	-3.9045e+00	3.4554e+00	-1.5591e+00
105	538	-1.3288e-01	1.2313e-01	-1.1189e+00	-8.4286e+00	5.5474e+00	-2.7448e+00
	558	-1.3288e-01	2.4525e-01	-1.1588e+00	9.0355e+00	7.1900e+00	-4.3168e+00
	559	-3.5403e-01	2.4525e-01	1.9878e-01	5.0735e+00	-1.9351e+00	-1.5317e+00
	539	-3.5403e-01	1.2313e-01	2.3863e-01	-1.1774e+01	-2.6891e+00	4.0249e-02
106	537	6.5169e-01	-8.0699e-02	2.6101e-01	8.9602e+00	-1.6271e+01	-1.0827e+01
	557	6.5169e-01	-2.1831e-01	8.8050e-02	-3.9507e+01	-1.4705e+01	-4.1949e+00
	558	-1.3288e-01	-2.1831e-01	-1.3233e+00	4.0582e+00	1.1614e+01	-3.7631e-01
	538	-1.3288e-01	-8.0699e-02	-1.1504e+00	-7.1517e+00	9.4902e+00	-7.0084e+00
107	411	-1.3876e-01	4.4702e-17	1.3701e-02	-2.1437e+02	2.6173e+00	6.6668e+00
	555	-1.3876e-01	-2.5717e-02	1.6864e-01	-1.3509e+02	2.1556e-02	-1.3219e+00
	556	-3.7693e-01	-2.5717e-02	1.5776e-01	-1.4464e+02	-3.0060e+00	-6.8051e+00
	61	-3.7693e-01	1.9444e-18	2.8144e-03	-2.4325e+02	-1.0426e+00	1.1837e+00
108	409	-7.4152e-02	-4.7324e-16	2.2978e-01	-1.7052e+02	1.8977e+00	7.6850e+00
	554	-7.4152e-02	-7.6744e-03	2.7717e-01	-1.1119e+02	1.4342e+00	8.1465e-01
	555	-1.3876e-01	-7.6744e-03	1.9523e-01	-1.2240e+02	-3.7221e+00	-3.4238e+00
	411	-1.3876e-01	-3.0390e-16	1.4784e-01	-1.9724e+02	-1.1142e+00	3.4465e+00
109	187	-5.0404e-02	0.0000e+00	2.9666e-01	-1.2994e+02	2.1094e+00	8.2507e+00
	553	-5.0404e-02	3.8861e-03	3.6086e-01	-8.8112e+01	1.1508e+00	1.0721e+00
	554	-7.4152e-02	3.8861e-03	3.2531e-01	-9.7683e+01	-2.5768e+00	-1.7702e+00
	409	-7.4152e-02	0.0000e+00	2.6111e-01	-1.5547e+02	-1.2108e+00	5.4083e+00

110	407	-2.5422e-02	-6.8742e-16	3.4245e-01	-9.4972e+01	1.7362e+00	6.3699e+00
	552	-2.5422e-02	7.6813e-04	4.2758e-01	-6.2107e+01	1.1870e+00	-1.2331e-01
	553	-5.0404e-02	7.6813e-04	4.0082e-01	-7.4009e+01	-1.0708e+00	-1.0812e+00
	187	-5.0404e-02	-6.3193e-16	3.1569e-01	-1.1702e+02	-8.8726e-01	5.4120e+00
111	406	-1.8244e-02	7.4010e-16	3.6293e-01	-6.6122e+01	1.8694e+00	5.4978e+00
	551	-1.8244e-02	1.9458e-04	4.6296e-01	-4.2734e+01	3.3920e+00	-9.9019e-02
	552	-2.5422e-02	1.9458e-04	4.4899e-01	-5.2819e+01	-3.5314e+00	-1.0522e+00
	407	-2.5422e-02	7.1118e-16	3.4896e-01	-8.1782e+01	-1.1800e+00	4.5446e+00
112	186	1.0649e-02	1.2638e-33	3.7367e-01	-3.3456e+01	1.2189e+00	4.9141e+00
	550	1.0649e-02	-1.9491e-04	4.7242e-01	-2.3043e+01	1.8405e+00	-5.4981e-01
	551	-1.8244e-02	-1.9491e-04	4.7325e-01	-3.4980e+01	-2.2023e+00	-1.3114e+00
	406	-1.8244e-02	1.2761e-33	3.7450e-01	-5.2473e+01	-1.0429e+00	4.1525e+00
113	400	3.7899e-02	-1.4391e-33	3.5947e-01	4.7014e-01	1.4204e+00	3.9672e+00
	549	3.7899e-02	8.8185e-04	4.6051e-01	-2.4272e+00	3.0228e+00	-1.6529e+00
	550	1.0649e-02	8.8185e-04	4.6786e-01	-1.2075e+01	-2.2725e+00	-9.4783e-01
	186	1.0649e-02	-1.5025e-33	3.6681e-01	-2.0086e+01	-1.1949e+00	4.6723e+00
114	399	7.3553e-02	-8.5718e-34	3.1738e-01	2.5364e+01	1.3279e+00	-2.9552e-01
	548	7.3553e-02	-3.4690e-03	4.1663e-01	8.7910e+00	3.9778e+00	-4.2487e+00
	549	3.7899e-02	-3.4690e-03	4.4068e-01	5.2448e+00	-1.2486e+00	-1.4715e+00
	400	3.7899e-02	-1.1078e-33	3.4143e-01	1.0726e+01	-1.0137e+00	2.4817e+00
115	60	5.5273e-02	4.1006e-17	2.1673e-01	2.8263e+01	-7.4163e-01	-6.6604e+00
	547	5.5273e-02	-5.6040e-03	3.4841e-01	-1.3488e+00	-3.3793e+00	-4.7892e+00
	548	7.3553e-02	-5.6040e-03	4.0462e-01	1.0305e+01	4.4908e+00	-2.9857e+00
	399	7.3553e-02	4.6845e-17	2.7294e-01	2.6937e+01	5.4616e-01	-4.8569e+00
116	91	3.1140e-02	0.0000e+00	2.9366e-01	5.8280e+00	2.1413e+00	2.8500e+00
	546	3.1140e-02	-4.2738e-02	5.9147e-01	3.8225e+00	3.2009e+00	-1.3416e+00
	547	5.5273e-02	-4.2738e-02	3.8187e-01	2.0813e+01	-6.2262e+00	-4.5975e+00
	60	5.5273e-02	0.0000e+00	8.4064e-02	-2.8555e+01	-2.0280e+00	-4.0596e-01
117	168	-2.9847e-01	0.0000e+00	-4.9189e-01	2.6496e+01	1.7078e+00	1.8684e+00
	545	-2.9847e-01	1.6317e-01	-1.4653e-01	2.9284e+01	1.7651e+00	-5.5826e+00
	546	3.1140e-02	1.6317e-01	4.9891e-01	1.0644e+01	-1.6897e+00	-5.5082e+00
	91	3.1140e-02	0.0000e+00	1.5356e-01	1.4218e+01	-1.7041e+00	1.9428e+00
118	1	3.4365e-01	-6.9933e-16	-6.8180e-01	5.2739e+00	2.4376e+00	-6.7811e+00
	544	3.4365e-01	2.5179e-01	-6.5218e-01	9.1299e+00	2.9561e+01	-7.1651e-01
	545	-2.9847e-01	2.5179e-01	-6.3867e-01	1.5222e+01	-2.2235e+01	6.6435e+00
	168	-2.9847e-01	-6.8658e-16	-6.6829e-01	3.0117e+01	-8.8365e-01	5.7886e-01
119	421	3.5449e-02	-9.9984e-32	1.0252e-01	1.8682e+01	5.0243e-01	-7.8274e+00
	542	3.5449e-02	-3.5999e-02	1.3440e-01	1.1822e+01	4.7625e+00	-1.0046e+01
	543	2.2338e-02	-3.5999e-02	1.6279e-01	1.3508e+01	-1.3133e+01	-1.9043e+01
	58	2.2338e-02	-1.1785e-31	1.3091e-01	4.6252e+00	-2.4184e+00	-1.6824e+01
120	536	-1.6027e-02	-2.2667e-16	1.0588e-01	1.8306e+01	-5.2351e-01	-8.2730e+00
	541	-1.6027e-02	-9.4741e-03	1.5783e-01	-7.0397e+00	1.4689e+00	-5.0395e+00
	542	3.5449e-02	-9.4741e-03	1.3726e-01	1.0540e+01	-2.6563e+00	-5.6253e+00
	421	3.5449e-02	-1.8423e-16	8.5304e-02	1.5737e+01	-1.5915e-01	-8.8587e+00
121	398	-2.6767e-01	-3.6487e-32	1.4934e-01	-2.7314e+01	-2.2252e+00	-6.7846e+00
	539	-2.6767e-01	2.8307e-03	2.6359e-01	-1.3550e+01	-7.0265e+00	-2.0980e-01
	540	-2.9701e-02	2.8307e-03	1.5678e-01	-4.9980e+00	4.2778e+00	-2.9337e+00
	412	-2.9701e-02	-2.6630e-32	4.2532e-02	-4.7188e+00	1.7763e+00	-9.5085e+00
122	413	-1.0127e-01	-1.5538e-15	-7.5744e-01	-3.1068e+01	1.0129e+00	-9.6833e-01
	538	-1.0127e-01	1.2313e-01	-7.9034e-01	-1.4629e+01	3.9405e+00	-1.9991e+00
	539	-2.6767e-01	1.2313e-01	-5.0421e-02	-1.3869e+01	-3.1033e+00	-1.8618e+00
	398	-2.6767e-01	-2.7981e-17	-1.7520e-02	-3.6619e+01	-2.9376e-01	-8.3109e-01
123	53	2.2472e-01	-2.0752e-32	-3.3992e-03	1.9825e+01	1.3660e-01	4.2437e+00
	537	2.2472e-01	-8.0699e-02	-1.2640e-01	-2.5460e+01	-1.2562e+01	-2.3969e+00
	538	-1.0127e-01	-8.0699e-02	-8.2177e-01	-1.2083e+01	7.3021e+00	-5.9992e+00
	413	-1.0127e-01	8.6665e-32	-6.9877e-01	-2.1040e+01	-1.9153e+00	6.4148e-01
251	394	-1.8087e-01	1.8746e-01	-7.8818e-02	3.4981e+00	-1.9911e+00	-5.3242e+00

	397	-1.8087e-01	0.0000e+00	1.2291e+00	2.1726e+00	-3.1262e+00	-4.3080e-01
	504	3.8867e+00	-1.1979e-29	1.5488e+00	1.6412e+01	2.4132e+00	-4.1292e-01
	395	3.8867e+00	1.8746e-01	2.4088e-01	5.8808e-01	1.2472e+00	-5.3064e+00
252	393	1.1847e-01	1.2197e-01	-7.0489e-02	2.2319e+00	-5.6059e-02	-4.5853e+00
	396	1.1847e-01	-1.8150e-16	-7.2247e-02	4.7811e-01	2.8703e-02	-4.4478e+00
	397	-1.8087e-01	9.8127e-17	7.6764e-02	2.9131e-01	1.4531e-02	-4.0328e+00
	394	-1.8087e-01	1.2197e-01	7.8522e-02	2.7372e+00	-6.1770e-01	-4.1703e+00
253	392	-2.4824e+00	-2.9145e-02	4.9514e-01	2.2274e+00	8.3411e-01	-2.6876e+00
	503	-2.4824e+00	0.0000e+00	8.1706e-01	9.2837e+00	1.5931e+00	-5.8147e+00
	396	1.1847e-01	2.1550e-29	2.8903e-01	1.1755e+00	-1.6466e+00	-6.3207e+00
	393	1.1847e-01	-2.9145e-02	-3.2891e-02	3.0958e+00	-1.3524e-02	-3.1935e+00
254	389	6.3507e-01	1.1661e-01	5.4744e-01	-2.4262e+00	6.8834e-01	-2.3990e+00
	394	6.3507e-01	1.8746e-01	1.1426e-01	5.7866e-01	-2.7050e-01	-5.3142e+00
	395	1.9885e+00	1.8746e-01	-1.3353e-01	1.5807e+00	-1.8686e+00	-5.4082e+00
	391	1.9885e+00	1.1661e-01	2.9965e-01	-1.0177e+01	-2.6651e+00	-2.4930e+00
255	379	-2.5663e-01	2.0278e-01	5.9095e-01	2.2490e+00	2.4093e+00	-2.4006e+00
	393	-2.5663e-01	1.2197e-01	2.7979e-01	8.7100e-01	8.2035e-01	-3.5691e+00
	394	6.3507e-01	1.2197e-01	2.7160e-01	5.8114e-01	-9.2797e-01	-4.8356e+00
	389	6.3507e-01	2.0278e-01	5.8276e-01	-1.6639e-01	-3.2869e-01	-3.6671e+00
256	377	-1.0371e+00	5.4808e-02	1.6005e-01	1.4304e+00	-2.0210e-01	-1.8311e+00
	392	-1.0371e+00	-2.9145e-02	3.6120e-02	3.3080e+00	5.5652e-03	-2.2058e+00
	393	-2.5663e-01	-2.9145e-02	3.1739e-01	1.5993e+00	9.4708e-01	-2.8344e+00
	379	-2.5663e-01	5.4808e-02	4.4132e-01	2.2715e+00	2.2407e+00	-2.4596e+00
257	390	1.7380e-02	-8.7997e-04	-5.1289e-02	4.6359e-01	-2.5404e+00	-2.5875e+00
	389	3.0779e-02	1.2963e-01	6.4872e-01	-3.0511e+00	-4.7579e-01	-1.3098e+00
	391	2.2080e+00	1.1626e-01	-3.2860e-02	-6.9446e+00	-1.5157e+00	-1.4665e+00
	12	2.2214e+00	-1.4011e-02	-7.3166e-01	7.3568e+00	7.1919e-01	-2.6538e+00
258	387	-1.3201e-01	1.0619e-02	5.5423e-01	-1.4628e+00	1.1957e+00	-1.6226e+00
	379	-1.3424e-01	2.1535e-01	6.6765e-01	1.6594e+00	2.7480e+00	-2.8310e+00
	389	3.2016e-02	2.1570e-01	6.8652e-01	-8.5406e-01	-8.9906e-01	-2.0205e+00
	390	2.9789e-02	1.0935e-02	5.7110e-01	-1.8147e+00	-7.1178e-01	-8.1248e-01
259	11	-3.1368e-01	-1.2534e-29	1.2300e-01	-8.2830e+00	-1.2008e+00	-5.2239e+00
	377	-3.1368e-01	5.4808e-02	1.2027e-01	1.4222e+00	-1.3532e+00	-2.5523e+00
	379	-1.1709e-01	5.4808e-02	5.1963e-01	7.3054e-01	2.8346e+00	-2.1249e+00
	387	-1.1709e-01	-2.2661e-29	5.2237e-01	-1.4063e+00	1.9436e+00	-4.7964e+00
260	360	-8.0665e-02	1.1586e-01	7.1009e-02	-5.3422e+01	-1.0776e+00	-6.7589e+00
	374	-8.0665e-02	5.6295e-16	-4.0080e-01	-6.2527e+01	5.4070e+01	-3.9746e+01
	502	-1.6998e+00	5.6295e-16	-1.0268e+00	-1.4766e+02	-6.1492e+01	-4.5105e+01
	365	-1.6998e+00	1.1586e-01	-5.5496e-01	-1.6729e+00	1.4835e+01	-1.2118e+01
261	359	4.0361e-01	-4.8182e-01	-7.9455e-01	-5.0179e+01	5.8625e+00	-3.8884e+00
	372	4.0361e-01	0.0000e+00	-6.1369e-01	-3.4160e+01	1.6788e+01	-1.8499e+01
	374	-8.0665e-02	0.0000e+00	1.5857e-02	-4.6309e+01	-1.3611e+01	-1.9271e+01
	360	-8.0665e-02	-4.8182e-01	-1.6500e-01	-5.2818e+01	3.6713e-01	-4.6607e+00
262	342	2.1236e+00	-2.0854e-01	7.1532e-01	-2.3819e+01	3.0030e+00	-3.6240e+00
	501	2.1236e+00	-5.6295e-16	-8.4456e-01	-5.1753e+01	-6.1238e+00	-6.6324e+00
	372	4.0361e-01	-5.6295e-16	-1.8050e+00	-3.3306e+01	5.4473e+00	-7.2461e+00
	359	4.0361e-01	-2.0854e-01	-2.4509e-01	-4.5311e+01	-1.2538e+00	-4.2378e+00
263	351	-1.3008e-01	-4.0857e-02	-7.8292e-02	-2.2392e+01	2.6734e+00	3.3217e+00
	360	-1.3008e-01	1.1586e-01	-4.3402e-02	-3.6757e+01	2.2229e+00	-2.3545e+00
	365	-1.9050e-01	1.1586e-01	-2.8106e-02	-6.3696e+01	-1.1464e+00	-3.8430e+00
	358	-1.9050e-01	-4.0857e-02	-6.2995e-02	-1.1984e+00	4.2860e+00	1.8332e+00
264	345	4.1799e-01	-1.3925e-01	-1.4972e-01	-2.6414e+01	5.9522e+00	3.5416e+00
	359	4.1799e-01	-4.8182e-01	-4.3258e-01	-2.8563e+01	-2.8605e+00	1.5113e+00
	360	-1.3008e-01	-4.8182e-01	-2.7942e-01	-3.1609e+01	1.0411e+01	2.3002e+00
	351	-1.3008e-01	-1.3925e-01	3.4498e-03	-2.5422e+01	-1.5197e+00	4.3305e+00
265	336	3.4171e-01	-9.1668e-02	3.8014e-02	-2.3669e+01	5.4745e+00	4.1851e+00
	342	3.4171e-01	-2.0854e-01	3.7334e-01	-2.8274e+01	-6.4964e+00	2.1055e+00

	359	4.1799e-01	-2.0854e-01	1.1688e-01	-2.7631e+01	7.3983e+00	1.8248e+00
	345	4.1799e-01	-9.1668e-02	-2.1844e-01	-2.6416e+01	-3.4636e+00	3.9045e+00
266	357	1.7332e-02	8.1351e-31	9.6355e-02	7.0671e+00	-1.6769e+01	-1.0729e+01
	351	1.7332e-02	-4.0857e-02	-4.7717e-02	-1.6033e+01	1.0212e+00	2.1100e-01
	358	-7.6364e-02	-4.0857e-02	-8.1171e-02	-3.4222e+01	-4.9256e+00	-2.1952e+00
	120	-7.6364e-02	5.3107e-31	6.2901e-02	3.6329e+01	2.2374e+01	-1.3136e+01
267	346	4.9835e-02	0.0000e+00	7.8331e-02	-1.1787e+01	-1.0934e+01	-8.4281e+00
	345	4.9835e-02	-1.3925e-01	9.9861e-02	-1.4145e+01	-2.5706e+00	1.0878e+00
	351	1.7332e-02	-1.3925e-01	3.4024e-02	-1.6290e+01	3.5759e+00	9.4478e-01
	357	1.7332e-02	0.0000e+00	1.2495e-02	-1.0275e-02	1.2504e+01	-8.5711e+00
268	14	1.6376e-01	-2.3143e-30	7.0993e-02	-4.4084e+00	2.1476e+00	-2.2738e+00
	336	1.6376e-01	-9.1668e-02	3.8868e-03	-2.9492e+01	-4.8718e+00	1.0957e+00
	345	4.9835e-02	-9.1668e-02	3.1137e-02	-1.7079e+01	4.7231e+00	5.5484e-01
	346	4.9835e-02	-2.8317e-30	9.8243e-02	-1.3411e+01	-1.5883e-01	-2.8146e+00
269	341	5.6034e-02	-3.7003e-01	4.7220e-01	-2.9557e+01	6.3659e-01	-4.6343e+00
	344	5.6034e-02	-2.8738e-15	1.4171e+00	-1.1145e+01	1.2833e+01	-2.0919e+01
	501	2.1236e+00	-2.6604e-15	1.4367e+00	-4.7519e+01	-1.2839e+01	-2.0236e+01
	342	2.1236e+00	-3.7003e-01	4.9184e-01	-1.9830e+01	-2.3127e+00	-3.9509e+00
270	340	1.9199e-01	-3.5166e-01	4.7109e-01	-1.8208e+01	3.7715e+00	-5.6659e+00
	343	1.9199e-01	2.8147e-16	2.0662e-01	-5.7351e+00	1.9365e+00	-1.0087e+01
	344	5.6034e-02	2.8147e-16	5.3542e-01	-6.0280e+00	-2.0659e+00	-1.2110e+01
	341	5.6034e-02	-3.5166e-01	7.9989e-01	-2.5149e+01	1.0438e+00	-7.6887e+00
271	337	-2.3425e+00	7.4866e-02	8.7762e-01	-1.2505e+01	6.6236e-01	-6.5257e+00
	500	-2.3425e+00	2.4913e-15	1.0671e+00	-9.1395e+00	-5.8632e-01	-6.7447e+00
	343	1.9199e-01	1.3430e-15	4.4582e-01	-5.4111e+00	6.6415e-01	-7.9589e+00
	340	1.9199e-01	7.4866e-02	2.5630e-01	-1.6591e+01	2.3835e+00	-7.7399e+00
272	330	3.9534e-01	-8.7325e-02	4.9821e-01	-2.4566e+01	-2.9596e+00	8.4909e-01
	341	3.9534e-01	-3.7003e-01	4.1372e-01	-2.1281e+01	-4.4262e+00	-1.9860e+00
	342	3.4171e-01	-3.7003e-01	1.4985e-01	-2.5603e+01	1.3770e+00	6.4386e-01
	336	3.4171e-01	-8.7325e-02	2.3434e-01	-2.4883e+01	-6.5182e+00	3.4790e+00
273	321	4.3959e-02	2.8399e-01	7.7427e-01	-2.2061e+01	-2.7227e+00	-3.3445e+00
	340	4.3959e-02	-3.5166e-01	9.1149e-01	-1.7456e+01	9.2483e-01	-6.0085e+00
	341	3.9534e-01	-3.5166e-01	7.4141e-01	-1.9295e+01	1.7191e+00	-2.5213e+00
	330	3.9534e-01	2.8399e-01	6.0418e-01	-2.4582e+01	-3.1575e+00	1.4260e-01
274	320	1.5620e-02	-6.2382e-02	1.8499e-02	-1.7136e+01	-3.6635e-01	-3.2918e+00
	337	1.5620e-02	7.4866e-02	-4.0530e-02	-1.6111e+01	1.3011e+00	-6.0453e+00
	340	4.3959e-02	7.4866e-02	6.9670e-01	-1.8396e+01	2.0079e+00	-6.5708e+00
	321	4.3959e-02	-6.2382e-02	7.5573e-01	-1.9357e+01	4.9599e+00	-3.8173e+00
275	335	-4.0911e-02	-3.8621e-16	1.7928e-01	-6.3333e+01	-1.5966e+01	-1.1987e+01
	330	-4.0911e-02	-8.7325e-02	2.9744e-01	-5.6218e+00	-7.9608e+00	3.9756e+00
	336	1.6376e-01	-8.7325e-02	2.0021e-01	-3.2627e+01	-2.2313e+00	7.3389e-02
	14	1.6376e-01	-1.8710e-16	8.2054e-02	-1.0207e+01	1.5313e+01	-1.5889e+01
276	326	-9.4684e-02	1.2129e-30	2.3226e-01	-1.0703e+01	1.5730e+01	1.7187e+01
	321	-9.4684e-02	2.8399e-01	3.2664e-01	-3.1117e+01	-9.7598e-01	7.3126e-01
	330	-4.0911e-02	2.8399e-01	4.0341e-01	-5.1065e+00	-6.7798e+00	-2.3735e+00
	335	-4.0911e-02	1.6138e-30	3.0903e-01	-6.3641e+01	-1.5897e+01	1.4082e+01
277	13	2.5692e+00	2.3410e-15	1.0907e+00	-2.3232e+00	2.7040e+00	4.5744e+00
	320	2.5692e+00	-6.2382e-02	1.0789e+00	-1.8764e+01	2.6054e+00	-1.6016e+00
	321	-9.4684e-02	-6.2382e-02	3.0811e-01	-2.6871e+01	2.4759e+00	6.0081e-01
	326	-9.4684e-02	6.8514e-16	3.1990e-01	-4.3227e+00	-3.0064e+00	6.7768e+00
278	294	-3.6332e-01	6.2972e-02	-1.8631e-01	6.4209e+00	-6.2306e-01	-5.7404e-01
	297	-3.6332e-01	0.0000e+00	-7.7811e-01	3.8390e+00	2.0871e+00	-2.3058e+00
	499	-2.0629e+00	0.0000e+00	-7.2419e-01	1.3241e+00	-2.9039e+00	-2.4127e+00
	295	-2.0629e+00	6.2972e-02	-1.3239e-01	7.3300e+00	2.6749e-01	-6.8095e-01
279	293	7.2942e-02	9.1061e-03	-2.8925e-01	6.1384e+00	-3.3894e-01	-6.0177e-01
	296	7.2942e-02	7.4776e-16	1.1756e-01	8.5452e+00	3.8725e+00	-3.6874e+00
	297	-3.6332e-01	-2.5615e-17	-6.4821e-02	5.0256e+00	-4.3410e+00	-3.3507e+00

	294	-3.6332e-01	9.1061e-03	-4.7163e-01	6.7969e+00	-1.5817e+00	-2.6511e-01
280	292	1.0653e+00	-1.6678e-01	-2.9759e-01	-1.5794e+00	-2.4286e+00	-2.0340e+00
	498	1.0653e+00	0.0000e+00	-3.2163e-01	2.4141e+01	1.1301e+01	-7.4543e+00
	296	7.2942e-02	1.0250e-30	-1.4997e-01	1.1308e+01	-9.5672e+00	-6.3276e+00
	293	7.2942e-02	-1.6678e-01	-1.2593e-01	6.2275e+00	-6.9771e-01	-9.0730e-01
281	289	-3.5126e-01	-1.2662e-01	-3.8737e-01	2.3377e+00	-3.1299e-01	-2.5511e-01
	294	-3.5126e-01	6.2972e-02	-2.4683e-01	3.1112e+00	-1.1892e+00	4.6036e-01
	295	-2.9028e-01	6.2972e-02	8.4580e-02	1.4988e-01	-2.0508e-01	2.3767e-01
	291	-2.9028e-01	-1.2662e-01	-5.5964e-02	5.9625e+00	-1.2063e-01	-4.7781e-01
282	286	-2.4645e-01	-2.2838e-02	-4.6586e-01	2.3552e-01	-7.3276e-01	3.3310e-01
	293	-2.4645e-01	9.1061e-03	-4.8268e-01	4.7340e+00	-2.2143e+00	5.3577e-01
	294	-3.5126e-01	9.1061e-03	-5.3215e-01	3.6826e+00	2.6246e-01	7.4398e-01
	289	-3.5126e-01	-2.2838e-02	-5.1533e-01	1.4748e+00	-2.1172e+00	5.4131e-01
283	285	-3.6492e-02	7.7223e-02	2.6644e-02	-4.2024e+00	-1.0036e+00	-3.0164e-01
	292	-3.6492e-02	-1.6678e-01	-6.5950e-02	9.6682e+00	5.0287e-01	-7.3953e-01
	293	-2.4645e-01	-1.6678e-01	-3.1936e-01	5.5745e+00	-7.2280e-01	-3.9817e-02
	286	-2.4645e-01	7.7223e-02	-2.2677e-01	-5.1470e-01	-2.2347e+00	3.9808e-01
284	290	2.7806e-02	-1.8783e-30	-2.0382e-01	6.4600e+00	-7.0088e+00	-5.7435e+00
	289	2.7806e-02	-1.2662e-01	-2.2073e-01	1.4892e+00	-2.3005e-01	-1.3153e+00
	291	7.4124e-01	-1.2662e-01	-1.8129e-01	-3.3584e+00	-1.8513e+00	-2.1283e+00
	20	7.4124e-01	-1.5148e-30	-1.6438e-01	1.5414e+01	8.4346e+00	-6.5565e+00
285	288	-3.1900e-01	-1.1904e-16	-7.1475e-02	1.2733e+00	-4.1072e+00	-3.8388e+00
	286	-3.1900e-01	-2.2838e-02	-4.1654e-01	1.2698e+00	-2.0386e+00	-7.0580e-01
	289	2.7806e-02	-2.2838e-02	-3.4869e-01	1.0874e+00	-7.4907e-02	-1.1264e+00
	290	2.7806e-02	1.6771e-17	-3.6226e-03	4.3608e+00	3.8079e+00	-4.2594e+00
286	19	-1.8134e+00	-7.7247e-03	-7.5379e-01	-3.8130e+00	-3.9766e+00	-3.5667e+00
	285	-1.8081e+00	7.1747e-02	-2.2411e-01	2.6751e+00	3.9697e-01	-1.1483e+00
	286	-3.0161e-01	7.2345e-02	-1.6207e-01	7.7696e-01	-1.5388e+00	-1.1575e+00
	288	-2.9625e-01	-7.1404e-03	-6.9144e-01	2.9777e-01	2.8968e+00	-3.5972e+00
287	281	2.1344e-02	1.4824e-01	1.1632e-01	-1.3515e+01	2.2097e-01	-6.5119e-01
	284	2.1344e-02	1.1513e-15	1.6561e-01	-1.0209e+01	7.9699e+00	-5.9767e+00
	497	-8.8135e-01	2.0303e-16	-2.8601e-01	-3.0356e+01	-7.9270e+00	-6.7601e+00
	282	-8.8135e-01	1.4824e-01	-3.3531e-01	-2.7493e-01	2.2383e+00	-1.4347e+00
288	280	2.3751e-01	-1.2117e-02	-3.4513e-01	-1.7298e+01	1.0470e+00	-9.1121e-01
	283	2.3751e-01	-2.0587e-16	-3.9879e-02	-7.9766e+00	-7.8350e-01	1.3405e+00
	284	2.1344e-02	-3.0978e-16	3.0669e-01	-7.7856e+00	1.8440e+00	3.8753e-01
	281	2.1344e-02	-1.2117e-02	1.4431e-03	-1.4569e+01	2.9527e+00	-1.8642e+00
289	279	2.2264e+00	6.2716e-02	3.2228e-02	5.5616e+00	3.6214e+00	3.6431e-02
	496	2.2264e+00	-1.5001e-15	-7.5517e-01	-5.3018e+01	-1.6660e+01	1.2420e+01
	283	2.3751e-01	-2.2158e-15	-8.8075e-01	-1.3795e+01	1.6301e+01	1.1403e+01
	280	2.3751e-01	6.2716e-02	-9.3351e-02	-1.7600e+01	-8.4533e-01	-9.8018e-01
290	276	5.1407e-02	5.4270e-02	-1.5852e-01	2.2466e+00	-3.7663e-01	-1.3995e+00
	281	5.1407e-02	1.4824e-01	-1.5791e-01	-3.8318e+00	7.3138e-01	-1.3127e+00
	282	-4.4384e-01	1.4824e-01	-1.5408e-02	-8.2448e+00	7.1960e-01	-5.0753e-01
	278	-4.4384e-01	5.4270e-02	-1.6020e-02	6.7723e+00	-6.5570e-01	-5.9432e-01
291	274	6.4240e-01	1.2277e-01	-2.5627e-01	-1.2228e-02	-2.3628e+00	-3.4036e+00
	280	6.4240e-01	-1.2117e-02	-3.2560e-01	-1.7203e+00	2.9374e+00	-3.3186e+00
	281	5.1407e-02	-1.2117e-02	-2.7278e-01	-2.8774e+00	5.0491e-01	-1.3561e+00
	276	5.1407e-02	1.2277e-01	-2.0345e-01	1.2551e+00	-2.4766e-01	-1.4411e+00
292	273	9.4612e-01	4.4096e-02	-9.8702e-02	1.1783e+01	-1.4739e+00	-2.8930e+00
	279	9.4612e-01	6.2716e-02	1.3117e-01	-1.4052e+01	1.8810e+00	-2.5667e+00
	280	6.4240e-01	6.2716e-02	-7.3830e-02	-3.5658e+00	-6.2969e-01	-1.8839e+00
	274	6.4240e-01	4.4096e-02	-3.0370e-01	1.7191e+00	6.1951e-01	-2.2102e+00
293	277	4.1024e-02	-9.4760e-16	-5.0655e-01	9.4777e+00	-7.7878e+00	-6.2874e+00
	276	4.1024e-02	5.4270e-02	-2.2929e-01	1.1703e+01	2.1521e-02	-9.2044e-01
	278	5.6203e-01	5.4270e-02	-1.2714e-01	-9.0014e-01	-2.1444e+00	-1.6216e+00
	18	5.6203e-01	-7.2245e-16	-4.0441e-01	2.9042e+01	7.8272e+00	-6.9885e+00

294	275	1.6935e-01	3.4628e-16	-2.1080e-01	7.1155e+00	5.9737e-01	5.2127e-01
	274	1.6935e-01	1.2277e-01	-1.9459e-01	1.4860e+01	-8.4293e-01	-1.2845e+00
	276	4.1024e-02	1.2277e-01	-2.7422e-01	1.2590e+01	-2.5016e+00	-2.0823e+00
	277	4.1024e-02	5.0085e-16	-2.9042e-01	7.0437e+00	-1.4812e+00	-2.7658e-01
295	17	1.1027e+00	9.4527e-16	4.2095e-01	4.7416e+01	1.4873e+01	1.0433e+01
	273	1.1027e+00	4.4096e-02	6.2730e-02	-5.8946e+00	-3.1386e+00	-5.1360e-01
	274	1.6935e-01	4.4096e-02	-2.4203e-01	1.5024e+01	7.5187e-01	-1.4065e+00
	275	1.6935e-01	3.2962e-16	1.1619e-01	1.2300e+01	-1.4506e+01	9.5406e+00
296	268	-9.9994e-02	-5.8156e-02	8.4625e-02	-1.4436e+01	1.0858e-01	-1.1889e+00
	272	-9.9994e-02	0.0000e+00	-1.3643e-01	-1.0652e+01	8.6426e+00	-7.1450e+00
	495	-4.2319e-01	0.0000e+00	-9.1786e-02	-3.2176e+01	-8.5922e+00	-7.9649e+00
	269	-4.2319e-01	-5.8156e-02	1.2927e-01	-6.3664e-01	2.4704e+00	-2.0088e+00
297	267	-4.2357e-02	1.3088e-02	2.6201e-01	-1.7755e+01	1.2154e+00	-1.3617e+00
	271	-4.2357e-02	-2.2518e-15	2.5936e-01	-8.0249e+00	-5.2300e-01	5.2967e-01
	272	-9.9994e-02	-2.2518e-15	5.0687e-02	-7.9809e+00	1.6433e+00	-4.7478e-01
	268	-9.9994e-02	1.3088e-02	5.3333e-02	-1.5346e+01	3.0027e+00	-2.3662e+00
298	266	-3.0731e-01	-6.9448e-02	-1.1973e-01	4.7152e+00	3.4677e+00	-3.8032e-01
	494	-3.0731e-01	0.0000e+00	1.5320e-01	-5.1500e+01	-1.5988e+01	1.1390e+01
	271	-4.2357e-02	0.0000e+00	4.7553e-01	-1.3587e+01	1.5693e+01	1.0367e+01
	267	-4.2357e-02	-6.9448e-02	2.0260e-01	-1.7931e+01	-6.0859e-01	-1.4029e+00
299	231	-3.4659e-01	-1.9425e-02	4.2334e-02	9.1372e-01	-5.9645e-01	-1.1529e+00
	268	-3.4659e-01	-5.8156e-02	1.7825e-01	-4.9372e+00	6.6043e-01	-1.7768e+00
	269	-5.1070e-01	-5.8156e-02	7.3464e-02	-9.0942e+00	9.7876e-01	-1.0003e+00
	237	-5.1070e-01	-1.9425e-02	-6.2449e-02	4.2615e+00	-1.5931e-01	-3.7632e-01
300	229	-3.6063e-02	-3.3873e-02	2.0877e-01	-1.0994e+00	-2.3946e+00	-3.4151e+00
	267	-3.6063e-02	1.3088e-02	1.6535e-01	-2.5158e+00	3.0389e+00	-3.5629e+00
	268	-3.4659e-01	1.3088e-02	1.4695e-01	-3.9734e+00	7.6034e-01	-1.6958e+00
	231	-3.4659e-01	-3.3873e-02	1.9038e-01	1.6653e-01	4.3560e-01	-1.5480e+00
301	228	2.2519e-01	-6.8978e-02	9.3772e-03	1.1031e+01	-1.5696e+00	-2.7141e+00
	266	2.2519e-01	-6.9448e-02	-2.0609e-02	-1.4478e+01	1.7923e+00	-2.8082e+00
	267	-3.6063e-02	-6.9448e-02	1.0593e-01	-4.2641e+00	-3.4643e-01	-2.1692e+00
	229	-3.6063e-02	-6.8978e-02	1.3592e-01	6.9529e-01	1.0448e+00	-2.0751e+00
302	232	-1.2299e-01	0.0000e+00	4.5907e-01	7.5254e+00	-5.0537e+00	-3.5395e+00
	231	-1.2299e-01	-1.9425e-02	3.2546e-02	8.9177e+00	-2.3573e-01	-4.1069e-01
	237	-1.3369e+00	-1.9425e-02	6.9744e-02	-2.9968e-01	-1.4945e+00	-9.6659e-01
	16	-1.3369e+00	0.0000e+00	4.9627e-01	2.0801e+01	5.0380e+00	-4.0954e+00
303	230	-2.4828e-03	9.6433e-30	-1.2205e-01	6.3554e+00	1.1955e+00	1.6473e+00
	229	-2.4828e-03	-3.3873e-02	6.4864e-02	1.3268e+01	-2.7593e-01	-1.0194e+00
	231	-1.2299e-01	-3.3873e-02	1.8060e-01	1.0060e+01	-2.4927e+00	-1.6806e+00
	232	-1.2299e-01	6.9516e-30	-6.3172e-03	6.1042e+00	-1.9250e+00	9.8613e-01
304	15	4.9508e-01	0.0000e+00	1.2727e-01	4.7577e+01	1.5367e+01	1.1370e+01
	228	4.9508e-01	-6.8978e-02	1.2468e-01	-7.1153e+00	-3.1679e+00	-1.4150e-01
	229	-2.4828e-03	-6.8978e-02	-7.9902e-03	1.3742e+01	1.0654e+00	-9.7205e-01
	230	-2.4828e-03	0.0000e+00	-5.3939e-03	1.1789e+01	-1.4908e+01	1.0540e+01
305	224	1.8454e-01	-1.3853e-01	-1.2008e-01	8.9932e+00	-2.9476e+00	-5.1171e+00
	227	1.8454e-01	2.7225e-15	-1.4664e+00	4.6611e+00	-7.0832e+00	6.6385e+00
	493	-2.1249e+00	2.4313e-15	-1.0918e+00	3.7822e+01	5.7930e+00	6.1441e+00
	225	-2.1249e+00	-1.3853e-01	2.5450e-01	3.0484e+00	2.5116e+00	-5.6115e+00
306	223	-7.8355e-02	-8.5305e-02	-1.1222e-01	2.0271e+01	-7.1770e+00	-3.6357e+00
	226	-7.8355e-02	2.7302e-18	-9.3883e-02	2.6896e+00	8.2716e-01	-9.2258e+00
	227	1.8454e-01	-5.4011e-16	-4.2545e-01	3.0618e+00	-1.9037e+00	-3.7645e+00
	224	1.8454e-01	-8.5305e-02	-4.4378e-01	6.9573e+00	-3.3353e+00	1.8256e+00
307	222	7.3107e-01	-3.4928e-02	-5.4026e-01	1.3121e+01	1.0216e+01	1.0315e+01
	492	7.3107e-01	2.8429e-16	-2.0427e-01	1.5174e+02	2.3995e+01	-3.8865e+01
	226	-7.8355e-02	-1.0419e-15	1.1740e-01	1.7465e+01	-2.8867e+01	-4.1684e+01
	223	-7.8355e-02	-3.4928e-02	-2.1859e-01	3.3538e+01	-1.0218e+01	7.4957e+00
308	219	-4.0603e-01	-6.0384e-02	-6.2452e-01	-1.0536e+01	2.3427e+00	-5.3165e+00

	224	-4.0603e-01	-1.3853e-01	-6.3786e-02	3.4850e+00	-5.0707e-02	-4.7102e+00
	225	-9.9029e-01	-1.3853e-01	1.9545e-01	3.0745e+00	-1.5266e+00	-8.3285e+00
	221	-9.9029e-01	-6.0384e-02	-3.6529e-01	-8.7220e+00	2.3315e+00	-8.9348e+00
309	217	-1.4738e-01	-1.7347e-01	-4.9536e-01	-1.4617e+01	1.2593e+01	8.4851e+00
	223	-1.4738e-01	-8.5305e-02	-3.9609e-01	3.6024e+00	-8.0874e+00	9.8456e+00
	224	-4.0603e-01	-8.5305e-02	-3.8749e-01	-4.9431e-01	5.7094e-01	-3.7777e+00
	219	-4.0603e-01	-1.7347e-01	-4.8676e-01	-7.3700e+00	3.4279e+00	-5.1382e+00
310	216	-2.5876e-01	-1.2395e-01	4.7974e-03	-3.0161e+01	8.7388e+00	1.8693e+01
	222	-2.5876e-01	-3.4928e-02	-2.0746e-01	1.5554e+01	-7.3775e+00	1.9769e+01
	223	-1.4738e-01	-3.4928e-02	-5.0246e-01	1.0689e+01	1.8221e+00	1.1597e+01
	217	-1.4738e-01	-1.2395e-01	-2.9020e-01	-2.2806e+01	-1.7593e-01	1.0522e+01
311	220	-3.1804e-02	-5.5313e-16	2.9494e-01	-6.2935e+00	8.3685e+00	6.4746e+00
	219	-3.1804e-02	-6.0384e-02	-4.6774e-01	-1.6352e+01	5.7304e+00	-6.7306e+00
	221	-3.5404e-01	-6.0384e-02	-4.9221e-01	-7.6075e+00	-2.5940e+00	-5.8916e+00
	10	-3.5404e-01	-5.1901e-16	2.7047e-01	-4.5610e+01	-6.6817e+00	7.3136e+00
312	218	1.6299e-01	-8.3596e-16	-3.7561e-01	-4.7398e+00	-9.8446e-01	-1.5982e+01
	217	1.6299e-01	-1.7347e-01	-4.7544e-01	-3.2156e+01	1.1212e+01	-8.3041e+00
	219	-3.1804e-02	-1.7347e-01	-3.2998e-01	-1.3909e+01	6.9774e+00	1.1214e+00
	220	-3.1804e-02	-5.3225e-16	-2.3015e-01	-5.2112e+00	2.8888e+00	-6.5566e+00
313	9	-1.5537e+00	1.6171e-15	-7.6090e-01	-1.9130e+02	-3.0304e+01	-5.4483e+01
	216	-1.5537e+00	-1.2395e-01	-1.5949e-01	-2.4269e+01	-1.2504e+01	7.2999e+00
	217	1.6299e-01	-1.2395e-01	-2.7027e-01	-4.9789e+01	1.4461e+01	5.0041e+00
	218	1.6299e-01	1.8614e-15	-8.7169e-01	-2.2739e+01	3.6228e+01	-5.6779e+01
314	210	-4.4872e-01	1.6024e-01	1.3471e-01	-3.9645e+01	1.0117e+00	-5.8804e+00
	215	-4.4872e-01	-4.9406e-15	-1.8342e+00	-2.6447e+01	2.3866e+01	-2.3587e+01
	479	-7.5026e+00	-9.4593e-15	-2.5132e+00	-8.8250e+01	-2.2880e+01	-2.5842e+01
	211	-7.5026e+00	1.6024e-01	-5.4437e-01	-1.8254e+00	6.6350e+00	-8.1357e+00
315	209	5.0841e-01	3.6101e-02	-7.5991e-01	-4.6421e+01	6.1801e+00	-4.4725e+00
	212	5.0841e-01	-6.4767e-15	5.9877e-01	-1.8740e+01	-3.4620e-01	-6.6815e-01
	215	-4.4872e-01	-3.4486e-15	6.0910e-01	-1.8995e+01	3.6718e+00	-4.9361e+00
	210	-4.4872e-01	3.6101e-02	-7.4958e-01	-4.1013e+01	9.7487e+00	-8.7404e+00
316	208	7.9461e+00	-1.5109e-01	-6.5041e-01	8.9255e+00	8.2148e+00	-2.3673e+00
	478	7.9461e+00	-2.4692e-15	-2.7175e+00	-1.2937e+02	-3.7436e+01	2.7681e+01
	212	5.0841e-01	-1.0150e-15	-1.9608e+00	-3.2311e+01	3.8303e+01	2.5039e+01
	209	5.0841e-01	-1.5109e-01	1.0630e-01	-4.7436e+01	4.5380e-01	-5.0094e+00
317	205	-1.4552e+00	-3.1444e-02	-1.1842e+00	-2.5606e+00	-2.0502e+00	-3.4314e+00
	210	-1.4552e+00	1.6024e-01	-4.4305e-01	-1.5993e+01	2.2703e+00	-7.5951e+00
	211	-3.5543e+00	1.6024e-01	3.5073e-01	-2.4314e+01	4.5618e+00	-5.4063e+00
	207	-3.5543e+00	-3.1444e-02	-3.9042e-01	1.2026e-01	2.4189e+00	-1.2427e+00
318	203	1.6301e+00	9.0941e-02	-1.1641e+00	-1.8933e+00	-5.5190e-01	-8.4267e+00
	209	1.6301e+00	3.6101e-02	-1.3714e+00	-1.2593e+01	1.0794e+01	-1.0157e+01
	210	-1.4552e+00	3.6101e-02	-1.3273e+00	-1.4305e+01	5.8036e+00	-6.5545e+00
	205	-1.4552e+00	9.0941e-02	-1.1200e+00	-2.5246e+00	6.5111e+00	-4.8240e+00
319	202	3.6811e+00	-2.9907e-02	-3.2733e-01	1.6866e+01	-1.3839e+00	-9.0411e+00
	208	3.6811e+00	-1.5109e-01	3.4137e-01	-3.3914e+01	7.8235e+00	-7.2591e+00
	209	1.6301e+00	-1.5109e-01	-5.0519e-01	-1.6372e+01	5.8859e-01	-6.4039e+00
	203	1.6301e+00	-2.9907e-02	-1.1739e+00	1.7387e+00	7.2704e+00	-8.1858e+00
320	206	-3.4273e-01	-1.0992e-15	-5.4070e-01	8.7630e+00	1.5490e+00	3.9857e+00
	205	-3.4273e-01	-3.1444e-02	-1.1124e+00	1.4112e+01	-1.4965e-01	-1.1942e-01
	207	-1.4984e+00	-3.1444e-02	-5.5144e-01	6.8900e+00	-1.0455e+00	-4.4371e-01
	6	-1.4984e+00	7.6812e-17	2.0283e-02	1.0424e+01	-1.7865e+00	3.6614e+00
321	204	4.5197e-01	2.4924e-15	-1.2140e+00	3.9951e+01	1.4516e+01	1.1649e+01
	203	4.5197e-01	9.0941e-02	-1.2187e+00	1.1442e+01	3.9919e+00	-3.4345e+00
	205	-3.4273e-01	9.0941e-02	-1.0482e+00	1.7718e+01	-1.3414e+00	-2.7579e+00
	206	-3.4273e-01	2.1386e-15	-1.0436e+00	1.3243e+01	-1.3863e+01	1.2326e+01
322	5	1.9501e+00	6.3402e-16	3.0064e-01	8.0961e+01	1.5293e+01	1.0563e+01
	202	1.9501e+00	-2.9907e-02	-1.3813e-01	2.6271e+00	7.8951e-02	-3.9624e+00

	203	4.5197e-01	-2.9907e-02	-1.2285e+00	1.4522e+01	3.3289e+00	-3.2675e+00
	204	4.5197e-01	-1.6153e-15	-7.8975e-01	4.9391e+01	-1.3938e+01	1.1258e+01
323	198	4.6955e-01	-1.9823e-01	-1.3291e-01	-8.4752e+01	7.9769e-01	-5.2119e+00
	201	4.6955e-01	5.9673e-15	1.8671e+00	-5.2399e+01	5.2017e+01	-4.5128e+01
	475	7.9874e+00	3.0787e-15	2.7338e+00	-1.8541e+02	-5.0389e+01	-4.9146e+01
	199	7.9874e+00	-1.9823e-01	7.3379e-01	-5.8099e+00	1.2696e+01	-9.2301e+00
324	197	-5.0686e-01	2.1687e-02	8.5875e-01	-8.8207e+01	1.2266e+01	-2.0210e+00
	200	-5.0686e-01	0.0000e+00	-5.6242e-01	-3.4615e+01	2.0100e+00	-3.8245e-01
	201	4.6955e-01	1.7809e-29	-6.5914e-01	-3.5001e+01	3.6499e+00	-7.4257e+00
	198	4.6955e-01	2.1687e-02	7.6203e-01	-8.5602e+01	1.4192e+01	-9.0643e+00
325	196	-8.1273e+00	1.4600e-01	5.6566e-01	-2.7684e-01	1.2922e+01	-4.0665e-01
	474	-8.1273e+00	0.0000e+00	2.7511e+00	-2.0359e+02	-5.6759e+01	4.4542e+01
	200	-5.0686e-01	0.0000e+00	2.1038e+00	-5.4680e+01	5.8269e+01	4.0443e+01
	197	-5.0686e-01	1.4600e-01	-8.1683e-02	-8.8303e+01	6.9288e-01	-4.5059e+00
326	191	1.5378e+00	7.2061e-04	1.2501e+00	-2.1803e+01	1.9721e+00	1.2253e-01
	198	1.5378e+00	-1.9823e-01	5.4583e-01	-4.1102e+01	2.1486e+00	-5.9307e+00
	199	3.6479e+00	-1.9823e-01	-3.4481e-01	-6.2131e+01	1.0215e+01	-2.7418e+00
	193	3.6479e+00	7.2061e-04	3.5946e-01	-8.9734e+00	9.7453e-01	3.3114e+00
327	189	-1.6332e+00	1.2418e-02	1.2333e+00	-2.6181e+01	1.7802e-01	-9.0545e+00
	197	-1.6332e+00	2.1687e-02	1.4438e+00	-3.3726e+01	1.4743e+01	-9.7877e+00
	198	1.5378e+00	2.1687e-02	1.4408e+00	-3.6297e+01	1.2210e+01	-2.5061e+00
	191	1.5378e+00	1.2418e-02	1.2303e+00	-2.4603e+01	5.2719e+00	-1.7729e+00
328	188	-3.7330e+00	-4.5772e-02	4.0154e-01	3.6821e+00	-2.7969e+00	-1.0681e+01
	196	-3.7330e+00	1.4600e-01	-3.9045e-01	-6.7641e+01	1.0885e+01	-8.1937e+00
	197	-1.6332e+00	1.4600e-01	5.0334e-01	-3.9309e+01	1.4331e+00	-5.1243e+00
	189	-1.6332e+00	-4.5772e-02	1.2953e+00	-2.1281e+01	6.0513e+00	-7.6117e+00
329	192	3.5580e-01	7.8916e-16	7.4222e-01	1.1030e+01	-9.4091e+00	-5.8313e+00
	191	3.5580e-01	7.2061e-04	1.2451e+00	1.0796e+00	1.0239e+00	7.3087e-01
	193	1.5284e+00	7.2061e-04	3.9022e-01	-1.6819e+01	-1.2067e+00	5.4333e-01
	8	1.5284e+00	-8.2971e-17	-1.1262e-01	3.7818e+01	9.7801e+00	-6.0189e+00
330	190	-3.8977e-01	-3.2764e-29	1.1393e+00	8.0517e+00	2.9580e+00	2.4484e+00
	189	-3.8977e-01	1.2418e-02	1.1464e+00	1.0766e+01	2.2047e+00	-2.9835e+00
	191	3.5580e-01	1.2418e-02	1.2253e+00	3.5122e+00	-1.9750e+00	-2.9241e+00
	192	3.5580e-01	-3.4859e-29	1.2182e+00	7.9474e+00	-2.9037e+00	2.5078e+00
331	7	-1.6912e+00	-3.8650e-30	-1.5317e-01	9.4023e+01	3.0129e+01	2.0699e+01
	188	-1.6912e+00	-4.5772e-02	5.2081e-01	-2.9047e+01	-4.4690e+00	-3.9738e+00
	189	-3.8977e-01	-4.5772e-02	1.2084e+00	1.2196e+01	4.1575e+00	-4.3363e+00
	190	-3.8977e-01	1.3485e-29	5.3439e-01	1.9360e+01	-2.9370e+01	2.0337e+01
766	166	-7.7539e-01	-7.0368e-15	5.9302e-01	2.2399e+01	4.3600e+01	-3.1931e+01
	169	-7.7539e-01	2.6520e-14	3.8771e-01	3.1057e+00	-6.0266e+01	-2.0291e+01
	170	6.6498e-01	3.2575e-14	-6.3304e-01	2.6384e+02	5.9965e+01	-2.0501e+01
	167	6.6498e-01	-1.8774e-14	-4.2774e-01	-2.2207e+02	-4.3299e+01	-3.2141e+01
767	164	-3.7226e-01	-2.5232e-14	7.6983e-01	2.6769e+01	4.7281e+01	-3.2974e+01
	166	-3.7226e-01	7.9392e-15	6.2355e-01	-4.5805e+01	-4.7556e+01	-3.2782e+01
	167	2.2437e-01	-6.8812e-15	-2.1038e-01	1.8514e+02	4.7352e+01	-3.2925e+01
	165	2.2437e-01	-1.8793e-14	-6.4093e-02	-2.0391e+02	-4.7076e+01	-3.3117e+01
768	3	2.2675e+00	-5.9488e-15	8.2362e-01	7.0516e+00	4.5756e+01	-2.9384e+01
	164	2.2675e+00	-2.8349e-14	8.0894e-01	-3.4788e+01	-4.3821e+01	-3.0736e+01
	165	-2.5295e+00	-2.9137e-14	1.9156e-01	1.8220e+02	4.3594e+01	-3.0895e+01
	2	-2.5295e+00	-9.6493e-15	2.0624e-01	-2.1182e+02	-4.5529e+01	-2.9543e+01
769	128	7.1533e-01	-2.1516e-14	-4.9443e-01	9.0300e+00	5.0696e+01	-2.6974e+01
	162	7.1533e-01	0.0000e+00	-3.3439e-01	5.9869e+01	-6.6417e+01	-1.5994e+01
	163	-6.6509e-01	-4.7943e-15	5.5199e-01	3.5213e+02	6.5984e+01	-1.6297e+01
	129	-6.6509e-01	-1.7139e-14	3.9195e-01	-2.6789e+02	-5.0264e+01	-2.7277e+01
770	124	3.3272e-01	-2.1628e-14	-7.3730e-01	-7.1010e+00	5.5272e+01	-2.7393e+01
	128	3.3272e-01	0.0000e+00	-5.3520e-01	1.4133e+01	-5.4504e+01	-2.7929e+01
	129	-3.2923e-01	-3.0163e-15	1.9922e-01	2.8060e+02	5.4132e+01	-2.8189e+01

	125	-3.2923e-01	-1.7111e-14	-2.8808e-03	-2.7432e+02	-5.4900e+01	-2.7653e+01
771	4	-2.4641e+00	6.0465e-15	-7.9210e-01	-8.1929e+01	5.0945e+01	-2.5760e+01
	124	-2.4641e+00	0.0000e+00	-8.5437e-01	2.1134e+01	-5.2006e+01	-2.5019e+01
	125	2.4653e+00	-1.1784e-15	-2.4973e-01	2.7165e+02	5.1550e+01	-2.5337e+01
	54	2.4653e+00	9.7474e-15	-1.8746e-01	-3.3141e+02	-5.0489e+01	-2.6078e+01
772	119	2.6599e-01	-6.4877e-15	-1.6681e-01	1.0771e+02	8.5444e-01	-6.1363e+01
	122	2.6599e-01	2.9294e-15	-6.4703e-02	-1.4147e+02	-1.4415e+01	-4.5175e+01
	123	-2.1434e-01	6.9288e-15	4.0126e-02	3.1179e+01	2.0665e+01	-3.7714e+01
	121	-2.1434e-01	-4.4231e-15	-6.1982e-02	-2.6294e+01	-7.1040e+00	-5.3902e+01
773	117	3.5906e-02	-4.2624e-15	-3.1425e-01	8.4730e+01	6.9368e+00	-5.7716e+01
	119	3.5906e-02	-1.6621e-15	-2.4122e-01	-6.6264e+01	-5.8888e+00	-5.8967e+01
	121	6.0754e-02	-7.7290e-16	-1.3252e-01	4.2536e+01	8.5425e+00	-5.5799e+01
	118	6.0754e-02	-4.4220e-15	-2.0555e-01	-2.7056e+01	-9.5905e+00	-5.4548e+01
774	72	-7.2030e-01	-1.7548e-15	-3.2493e-01	7.8759e+01	9.3145e+00	-5.0223e+01
	117	-7.2030e-01	-3.9361e-15	-3.6565e-01	-6.6227e+01	-4.4582e+00	-5.6020e+01
	118	8.9260e-01	-4.0408e-15	-2.4882e-01	3.9847e+01	6.5440e+00	-5.3530e+01
	73	8.9260e-01	-2.1806e-15	-2.0810e-01	-4.1156e+01	-1.1400e+01	-4.7733e+01
775	113	-5.4660e-02	-5.7195e-15	-1.4936e-02	6.4216e+01	1.5895e+01	-7.8542e+00
	115	-5.4660e-02	-4.6100e-03	-9.2550e-02	-7.1728e+01	3.0807e+00	-3.4009e+00
	116	4.3103e-02	-4.6100e-03	5.9560e-04	2.7423e+00	7.2636e-01	-2.7710e+00
	114	4.3103e-02	-1.5056e-16	7.8209e-02	-4.2985e+00	-1.3972e+01	-7.2242e+00
776	111	1.4910e-01	-5.7120e-15	3.8572e-02	6.9390e+01	1.9276e+01	-6.6635e+00
	113	1.4910e-01	2.6855e-15	3.5287e-02	-6.9976e+01	-1.8276e+01	-7.3324e+00
	114	1.2955e-01	2.2285e-15	1.6489e-01	1.1557e+01	1.7385e+01	-7.9285e+00
	112	1.2955e-01	-4.6532e-15	1.6817e-01	-1.3037e+01	-1.8385e+01	-7.2597e+00
777	70	4.4888e-01	1.0715e-15	-1.5377e-02	6.7047e+01	1.8171e+01	-6.0235e+00
	111	4.4888e-01	-1.8070e-15	1.6065e-02	-7.1754e+01	-1.8183e+01	-6.0155e+00
	112	2.9884e-01	-1.7367e-15	9.0761e-02	7.4750e+00	1.7258e+01	-6.6344e+00
	71	2.9884e-01	-1.4616e-16	5.9319e-02	-1.2171e+01	-1.7246e+01	-6.6424e+00
778	107	-4.5485e-02	1.0203e-15	5.6589e-02	-4.5079e+00	-4.4379e+00	-1.9432e+01
	109	-4.5485e-02	-1.9874e-02	-3.3631e-02	3.4427e+00	-8.6360e+00	-1.9620e+01
	110	8.5690e-02	-1.9874e-02	-4.3833e-02	-4.0623e+00	8.5523e+00	-1.9614e+01
	108	8.5690e-02	-2.5507e-16	4.6387e-02	2.8173e+00	4.3304e+00	-1.9426e+01
779	105	8.0431e-02	3.2305e-15	2.4698e-01	-2.7627e+00	-4.0545e+00	-2.1493e+01
	107	8.0431e-02	0.0000e+00	1.8812e-01	3.3406e+00	2.5059e+00	-2.0753e+01
	108	-9.2608e-02	7.5735e-16	1.5804e-01	-4.0380e+00	-2.7106e+00	-2.0851e+01
	106	-9.2608e-02	2.0071e-15	2.1689e-01	5.3240e+00	4.2592e+00	-2.1591e+01
780	68	3.2575e-01	-4.0994e-16	9.4822e-02	-4.0644e+00	2.1776e+00	-1.7134e+01
	105	3.2575e-01	0.0000e+00	2.1705e-01	3.9127e+00	6.2568e+00	-2.1167e+01
	106	-2.8813e-01	2.7022e-16	1.5728e-01	-2.1222e+00	-5.7705e+00	-2.0934e+01
	69	-2.8813e-01	-1.7899e-16	3.5059e-02	-1.8857e+00	-2.6638e+00	-1.6902e+01
781	101	3.3078e-02	-2.7503e-30	4.1251e-02	3.5899e+00	1.5155e+01	-6.4867e+00
	103	3.3078e-02	7.6365e-02	6.9931e-02	-2.5904e+00	-1.9814e+00	-1.6080e+00
	104	-7.2060e-02	7.6365e-02	-6.0652e-03	7.8868e+01	-1.5730e+00	-2.1228e+00
	102	-7.2060e-02	5.8934e-31	-3.4745e-02	-7.1343e+01	-1.7170e+01	-7.0016e+00
782	99	-1.7375e-01	-2.2518e-15	1.4002e-01	1.3107e+01	1.8868e+01	-6.9364e+00
	101	-1.7375e-01	0.0000e+00	4.8132e-02	-1.0855e+01	-1.8693e+01	-7.0536e+00
	102	-1.0541e-01	-4.6974e-30	-4.8634e-02	7.5220e+01	1.9659e+01	-6.4075e+00
	100	-1.0541e-01	-2.2518e-15	4.3255e-02	-7.3124e+01	-1.9834e+01	-6.2903e+00
783	66	-1.6403e-01	-1.1259e-15	1.3322e-01	9.4183e+00	1.6510e+01	-7.1341e+00
	99	-1.6403e-01	-2.2518e-15	2.0124e-01	-6.2223e+00	-1.7926e+01	-6.1876e+00
	100	-6.2324e-01	-2.2518e-15	1.4738e-01	7.3623e+01	1.8913e+01	-5.5272e+00
	67	-6.2324e-01	-1.1259e-15	7.9360e-02	-6.9161e+01	-1.7498e+01	-6.4737e+00
784	95	1.5357e-01	4.5036e-15	9.9644e-02	-1.2590e+01	-9.6871e+00	-7.0556e+01
	97	1.5357e-01	-9.0072e-15	8.2767e-02	1.0744e+01	7.0989e+00	-6.8372e+01
	98	8.0434e-02	-9.0072e-15	3.2570e-01	-4.1054e+01	-5.3825e+00	-6.6924e+01
	96	8.0434e-02	4.5036e-15	3.4257e-01	4.2894e+01	7.9707e+00	-6.9108e+01

785	93	7.7874e-01	-1.3717e-30	7.1873e-02	-9.0885e-01	-8.9412e+00	-7.3541e+01
	95	7.7874e-01	4.5036e-15	6.3072e-02	4.6605e+00	7.5282e+00	-7.2349e+01
	96	-1.9119e-02	4.5036e-15	3.4783e-01	-4.4056e+01	-5.0276e+00	-7.0239e+01
	94	-1.9119e-02	6.8587e-31	3.5663e-01	4.9820e+01	6.4406e+00	-7.1431e+01
786	63	1.5395e+00	-1.1644e-30	2.3001e-01	3.2741e+00	3.8319e+00	-5.8109e+01
	93	1.5395e+00	0.0000e+00	2.0973e-01	-2.9814e+00	1.2930e+01	-7.2252e+01
	94	-1.0923e-02	-8.7085e-31	3.0129e-01	-4.0817e+01	-1.1109e+01	-7.0715e+01
	62	-1.0923e-02	5.8221e-31	3.2157e-01	1.7244e+01	-5.6531e+00	-5.6572e+01
787	88	-1.6244e-01	-1.7298e-16	1.7771e-01	9.5829e+01	4.6276e+00	-5.6858e+01
	90	-1.6244e-01	6.0691e-16	2.4008e-01	-1.0225e+02	-1.4065e+01	-4.5593e+01
	92	-1.3790e-02	6.7571e-17	2.3580e-02	6.4970e+01	1.6953e+01	-4.2145e+01
	89	-1.3790e-02	-3.6767e-16	-3.8792e-02	-4.4492e+01	-7.5165e+00	-5.3410e+01
788	86	-2.0097e-01	-1.0059e-16	4.4553e-01	9.4148e+01	8.9277e+00	-5.5340e+01
	88	-2.0097e-01	-3.7701e-16	2.2919e-01	-7.8578e+01	-7.4279e+00	-5.7130e+01
	89	-3.0630e-01	-4.6030e-16	-2.3110e-02	5.3644e+01	9.9293e+00	-5.4144e+01
	87	-3.0630e-01	-5.8171e-16	1.9324e-01	-4.2349e+01	-1.1429e+01	-5.2353e+01
789	65	3.3881e-01	-4.3827e-16	4.1582e-01	9.9252e+01	1.0981e+01	-4.8233e+01
	86	3.3881e-01	-4.5711e-16	5.6569e-01	-7.9625e+01	-6.0683e+00	-5.4098e+01
	87	-1.3789e+00	-4.9800e-16	3.6304e-01	5.3062e+01	8.6234e+00	-5.1048e+01
	64	-1.3789e+00	-5.0588e-18	2.1317e-01	-4.7438e+01	-1.3537e+01	-4.5183e+01
790	82	-7.2630e-01	-1.8014e-14	-3.8700e-01	2.5353e+02	4.6388e+01	-2.9984e+01
	84	-7.2630e-01	3.6029e-14	-7.3779e-01	-3.0544e+02	-6.3795e+01	-1.7826e+01
	85	8.3588e-01	3.6029e-14	3.6401e-01	-2.7296e+01	6.4168e+01	-1.7565e+01
	83	8.3588e-01	-1.8014e-14	7.1480e-01	-7.6359e+00	-4.6761e+01	-2.9723e+01
791	80	-1.0875e-01	0.0000e+00	-1.9825e-01	2.2973e+02	4.7885e+01	-3.2552e+01
	82	-1.0875e-01	-1.8014e-14	-1.1519e-01	-2.0824e+02	-5.0729e+01	-3.0566e+01
	83	2.6041e-01	-1.8014e-14	8.1731e-01	3.4295e+01	5.0983e+01	-3.0388e+01
	81	2.6041e-01	0.0000e+00	7.3426e-01	-1.0030e+01	-4.8139e+01	-3.2375e+01
792	59	2.4747e+00	4.5036e-15	3.4665e-01	2.2538e+02	4.4582e+01	-3.0204e+01
	80	2.4747e+00	0.0000e+00	-1.2516e-01	-2.0258e+02	-4.4801e+01	-3.0052e+01
	81	-2.2268e+00	0.0000e+00	6.6725e-01	1.6197e+01	4.5071e+01	-2.9863e+01
	57	-2.2268e+00	4.5036e-15	1.1391e+00	6.8212e+00	-4.4852e+01	-3.0016e+01
793	76	-8.1844e-01	3.9152e-14	6.3367e-01	1.6131e+01	5.6460e+01	-2.2949e+01
	78	-8.1844e-01	3.6029e-14	2.5181e-01	6.0445e+01	-7.2686e+01	-1.1616e+01
	79	7.5606e-01	3.9828e-14	-6.7652e-01	3.8223e+02	7.2223e+01	-1.1939e+01
	77	7.5606e-01	3.5248e-14	-2.9465e-01	-2.8982e+02	-5.5997e+01	-2.3272e+01
794	74	-1.9215e-01	2.1137e-14	5.9402e-01	-1.7936e+01	5.8542e+01	-2.5109e+01
	76	-1.9215e-01	1.8014e-14	7.2959e-01	1.2625e+01	-6.0548e+01	-2.3708e+01
	77	1.3947e-01	2.0201e-14	2.3260e-02	3.0306e+02	6.0135e+01	-2.3997e+01
	75	1.3947e-01	1.7234e-14	-1.1231e-01	-3.0642e+02	-5.8129e+01	-2.5398e+01
795	55	2.2537e+00	2.5820e-15	9.4082e-01	-4.4483e+01	4.7386e+01	-2.8246e+01
	74	2.2537e+00	9.0072e-15	3.5754e-01	1.5491e+01	-5.6101e+01	-2.2159e+01
	75	-2.3901e+00	9.6285e-15	5.6896e-02	2.7117e+02	5.5699e+01	-2.2440e+01
	56	-2.3901e+00	3.8581e-15	6.4017e-01	-2.9166e+02	-4.6984e+01	-2.8527e+01
796	503	-1.8499e+00	-5.6747e-16	-4.6571e-01	1.0647e+02	1.5810e+01	-1.9086e+01
	72	-1.8499e+00	7.8180e-16	-2.6028e-01	-4.1060e+01	4.8325e+00	-4.3054e+01
	73	2.1797e+00	-2.9200e-16	-2.8538e-01	2.7984e+01	-1.4389e+00	-3.9114e+01
	504	2.1797e+00	-5.2374e-16	-4.9081e-01	-1.8229e+01	-1.9204e+01	-1.5146e+01
797	496	9.6312e-01	-4.2086e-16	2.2134e-01	4.8952e+01	1.1908e+01	-3.3484e+00
	70	9.6312e-01	-1.7650e-15	1.3509e-01	-5.2463e+01	-1.3561e+01	-2.2737e+00
	71	4.4290e-02	-1.1812e-15	4.6252e-04	-7.1028e-01	1.2225e+01	-3.1423e+00
	497	4.4290e-02	-6.9512e-16	8.6713e-02	-1.4023e+00	-1.0573e+01	-4.2170e+00
798	498	1.8628e-01	-2.2911e-16	1.4149e-02	1.8748e+00	5.7847e+00	-8.4041e+00
	68	1.8628e-01	-1.1259e-15	-5.4835e-03	2.1204e+00	6.3357e+00	-1.4041e+01
	69	-4.2496e-01	-1.1434e-15	-8.5665e-02	-1.1546e+00	-6.3893e+00	-1.4065e+01
	499	-4.2496e-01	-2.5938e-16	-6.6033e-02	-9.2641e-02	-5.7311e+00	-8.4290e+00
799	495	-3.0891e-01	-4.6834e-30	-3.2643e-01	-2.9521e+00	9.5095e+00	-4.9087e+00

	66	-3.0891e-01	-1.1259e-15	-1.4695e-01	5.2013e+00	-1.1576e+01	-3.5648e+00
	67	-5.4882e-01	-1.1259e-15	-3.0736e-02	5.3815e+01	1.3058e+01	-2.6008e+00
	494	-5.4882e-01	1.0036e-30	-2.1021e-01	-4.9818e+01	-1.0992e+01	-3.9446e+00
800	493	-1.8297e+00	-3.8689e-16	8.1172e-02	3.5654e+01	9.7917e+00	-2.6074e+01
	64	-1.8297e+00	6.3123e-16	-2.1570e-01	-3.2668e+01	-3.2814e-01	-3.7062e+01
	65	1.7000e-01	-2.6729e-16	2.8632e-01	2.2822e+01	3.3306e-01	-3.7056e+01
	492	1.7000e-01	-1.1222e-15	5.8318e-01	-4.5353e+01	-9.7967e+00	-2.6068e+01
801	500	-6.9136e-01	1.4074e-16	2.5218e-01	3.2995e+01	1.6416e+01	-2.3971e+01
	62	-6.9136e-01	0.0000e+00	2.0241e-01	2.0455e+01	1.4681e+01	-4.9491e+01
	63	2.8316e+00	0.0000e+00	-6.6443e-01	6.3369e+00	-1.4389e+01	-4.9252e+01
	501	2.8316e+00	1.4074e-16	-6.1467e-01	5.2260e+00	-1.6708e+01	-2.3731e+01
802	489	-7.9522e+00	-2.8147e-16	-9.6566e-01	-5.8367e+01	2.3545e+01	-2.1448e+01
	57	-7.9522e+00	4.5036e-15	-1.4101e+00	-2.1577e+01	-2.8021e+01	-1.8407e+01
	59	8.2743e+00	4.5036e-15	-8.2383e-01	1.0292e+02	2.9514e+01	-1.7393e+01
	488	8.2743e+00	-2.8147e-16	-3.7938e-01	-1.7873e+02	-2.5038e+01	-2.0434e+01
803	482	7.9483e+00	-1.1197e-16	9.7287e-02	-3.2659e+02	-2.9537e+01	-5.7509e+01
	55	7.9483e+00	0.0000e+00	8.0037e-01	4.0690e+01	-3.5107e+01	-1.3594e+01
	56	-8.3289e+00	-6.3345e-16	1.6721e+00	9.1782e+01	3.8750e+01	-1.1119e+01
	483	-8.3289e+00	2.3910e-16	9.6899e-01	-3.1802e+02	2.5894e+01	-5.5033e+01
804	474	-5.9233e+00	-2.5082e-16	-6.8975e-01	-8.8945e+01	2.4723e+01	-2.0648e+01
	4	-5.9233e+00	1.8014e-14	-5.2213e-01	-5.3230e+01	-3.4623e+01	-1.3923e+01
	54	5.9317e+00	1.8184e-14	-1.4414e-01	9.2093e+01	3.6277e+01	-1.2799e+01
	475	5.9317e+00	3.4418e-16	-3.1176e-01	-2.2513e+02	-2.6377e+01	-1.9524e+01
805	479	-6.3101e+00	-4.2473e-16	-4.7684e-01	1.5718e+02	2.9823e+01	-1.7183e+01
	2	-6.3101e+00	7.2612e-16	-3.8938e-01	-8.9739e+01	-2.9683e+01	-1.7278e+01
	3	5.8944e+00	-2.7950e-15	-4.9286e-01	4.5080e+01	2.8633e+01	-1.7992e+01
	478	5.8944e+00	-3.1585e-16	-5.8032e-01	2.2236e+01	-2.8772e+01	-1.7897e+01
1	12	0.0000e+00	0.0000e+00	0.0000e+00	2.5586e+02	2.4093e+02	-1.4680e+01
	17	0.0000e+00	0.0000e+00	0.0000e+00	1.3559e+02	1.9609e+02	-9.2375e+01
	36	0.0000e+00	0.0000e+00	0.0000e+00	1.9589e+02	9.6439e+01	-4.7968e+01
2	36	0.0000e+00	0.0000e+00	0.0000e+00	-1.1112e+02	-2.3216e+02	-4.7358e+01
	12	0.0000e+00	0.0000e+00	0.0000e+00	-2.2669e+02	-2.5038e+02	2.4723e+01
	466	0.0000e+00	0.0000e+00	0.0000e+00	-1.4615e+02	-1.1710e+02	-3.6460e+00
3	17	0.0000e+00	0.0000e+00	0.0000e+00	1.2647e+02	2.1566e+02	2.3969e+00
	12	0.0000e+00	0.0000e+00	0.0000e+00	2.3917e+02	2.6034e+02	-6.3536e+01
	19	0.0000e+00	0.0000e+00	0.0000e+00	1.2006e+01	-6.1390e+00	7.7632e+01
4	12	0.0000e+00	0.0000e+00	0.0000e+00	2.4251e+02	2.3580e+02	-3.2035e+01
	466	0.0000e+00	0.0000e+00	0.0000e+00	9.0846e+01	2.0284e+02	-6.8326e+01
	516	0.0000e+00	0.0000e+00	0.0000e+00	7.4799e+01	8.7185e+00	-1.1593e+02
5	19	0.0000e+00	0.0000e+00	0.0000e+00	-1.1564e+02	1.1311e+02	1.1077e+02
	12	0.0000e+00	0.0000e+00	0.0000e+00	3.0530e+02	2.1684e+02	1.9734e+01
	516	0.0000e+00	0.0000e+00	0.0000e+00	7.7014e+01	-1.3401e+01	1.3933e+02
6	346	0.0000e+00	0.0000e+00	0.0000e+00	-9.1607e+00	-7.0556e+01	8.1128e+01
	335	0.0000e+00	0.0000e+00	0.0000e+00	-1.7466e+01	-8.0468e+01	6.2466e+01
	16	0.0000e+00	0.0000e+00	0.0000e+00	-3.7755e+01	-7.1617e+01	4.6994e+01
7	16	0.0000e+00	0.0000e+00	0.0000e+00	7.3926e+00	1.5737e+02	-2.6137e+01
	346	0.0000e+00	0.0000e+00	0.0000e+00	-4.3367e+01	1.5795e+02	-3.2842e+00
	19	0.0000e+00	0.0000e+00	0.0000e+00	-9.5930e+00	1.9569e+02	-1.3786e+01
8	16	0.0000e+00	0.0000e+00	0.0000e+00	-5.0728e+01	-1.6049e+02	-5.5015e+01
	335	0.0000e+00	0.0000e+00	0.0000e+00	-4.0215e+01	-1.3541e+02	-4.9705e+01
	463	0.0000e+00	0.0000e+00	0.0000e+00	-4.7788e+01	-7.8350e+01	-3.3903e+01
9	16	0.0000e+00	0.0000e+00	0.0000e+00	6.5023e+01	2.2948e+01	8.1063e+01
	19	0.0000e+00	0.0000e+00	0.0000e+00	5.9620e+01	-9.6692e+00	8.3170e+01
	15	0.0000e+00	0.0000e+00	0.0000e+00	6.7299e+01	-3.1683e+01	3.8345e+01
10	19	0.0000e+00	0.0000e+00	0.0000e+00	8.9488e+01	-1.5270e+02	-5.8068e+01
	15	0.0000e+00	0.0000e+00	0.0000e+00	5.1959e+01	5.1948e+00	3.3405e+01

	17	0.0000e+00	0.0000e+00	0.0000e+00	1.1525e+02	6.1785e+01	7.7624e+01
11	15	0.0000e+00	0.0000e+00	0.0000e+00	1.5107e+00	-1.2928e+02	-3.1426e+01
	17	0.0000e+00	0.0000e+00	0.0000e+00	3.4983e+01	-1.4612e+02	6.9800e+00
	35	0.0000e+00	0.0000e+00	0.0000e+00	4.0548e+01	-9.9623e+01	-4.5779e+01
12	15	0.0000e+00	0.0000e+00	0.0000e+00	-1.0158e+02	1.3524e+02	1.6967e+01
	35	0.0000e+00	0.0000e+00	0.0000e+00	-9.7835e+01	7.4655e+01	5.1567e+01
	10	0.0000e+00	0.0000e+00	0.0000e+00	-7.1039e+01	7.2609e+01	-3.4536e+01
13	10	0.0000e+00	0.0000e+00	0.0000e+00	-7.6713e+01	-7.8806e+01	7.8146e+00
	15	0.0000e+00	0.0000e+00	0.0000e+00	-1.0540e+02	-2.0064e+01	4.8683e+01
	16	0.0000e+00	0.0000e+00	0.0000e+00	-5.1095e+01	-9.4993e+01	1.3960e+02
14	10	0.0000e+00	0.0000e+00	0.0000e+00	-7.0473e+01	-1.7474e+02	1.1380e+01
	16	0.0000e+00	0.0000e+00	0.0000e+00	4.8046e+01	-1.8974e+02	1.2371e+01
	463	0.0000e+00	0.0000e+00	0.0000e+00	2.5796e+01	-1.2290e+02	5.6761e+00
24	584	0.0000e+00	0.0000e+00	0.0000e+00	2.4406e+01	-1.8061e+01	-6.7652e+00
	511	0.0000e+00	0.0000e+00	0.0000e+00	1.1822e+01	-6.9831e+00	-1.0688e+01
	32	0.0000e+00	0.0000e+00	0.0000e+00	1.2142e+01	-3.4711e+01	8.2558e-02
25	412	0.0000e+00	0.0000e+00	0.0000e+00	5.1173e+00	1.1448e+01	-5.0251e+01
	584	0.0000e+00	0.0000e+00	0.0000e+00	1.7525e+01	9.2127e+00	-4.2202e+01
	511	0.0000e+00	0.0000e+00	0.0000e+00	3.0457e+01	1.8248e+01	-3.8195e+01
26	52	0.0000e+00	0.0000e+00	0.0000e+00	3.1012e+01	-3.2550e+00	-2.3431e+01
	584	0.0000e+00	0.0000e+00	0.0000e+00	2.0582e+01	-1.2971e+01	-1.9240e+01
	32	0.0000e+00	0.0000e+00	0.0000e+00	1.4855e+01	-1.5222e+01	-2.1543e+01
27	412	0.0000e+00	0.0000e+00	0.0000e+00	5.4762e-01	-1.3123e+01	4.3484e+01
	52	0.0000e+00	0.0000e+00	0.0000e+00	8.2215e+01	-1.3294e+01	4.8383e+01
	584	0.0000e+00	0.0000e+00	0.0000e+00	4.3741e+01	-1.1187e+00	4.5111e+01
124	52	0.0000e+00	0.0000e+00	0.0000e+00	-2.8365e+01	3.0214e+01	1.9019e+01
	464	0.0000e+00	0.0000e+00	0.0000e+00	4.9129e+00	3.7307e+01	3.7555e+01
	421	0.0000e+00	0.0000e+00	0.0000e+00	-1.5590e+01	-1.0833e+01	4.1710e+01
	536	0.0000e+00	0.0000e+00	0.0000e+00	9.3216e+00	-2.0287e+01	2.2113e+01
129	5	0.0000e+00	0.0000e+00	0.0000e+00	-1.7980e+02	5.5560e+01	5.1962e+01
	586	0.0000e+00	0.0000e+00	0.0000e+00	-5.0733e+01	8.2574e+01	1.0989e+02
	535	0.0000e+00	0.0000e+00	0.0000e+00	-1.4982e+02	6.0573e+01	6.6591e+01
130	535	0.0000e+00	0.0000e+00	0.0000e+00	-1.0636e+02	-1.9557e+01	-9.7925e+01
	586	0.0000e+00	0.0000e+00	0.0000e+00	-8.7487e+01	-4.2818e+00	-6.5977e+01
	28	0.0000e+00	0.0000e+00	0.0000e+00	-9.4830e+01	-9.4859e+01	-1.0133e+02
131	28	0.0000e+00	0.0000e+00	0.0000e+00	-1.3843e+02	3.6108e+01	9.5576e+00
	27	0.0000e+00	0.0000e+00	0.0000e+00	1.1115e+02	1.2222e+02	-1.0707e+01
	534	0.0000e+00	0.0000e+00	0.0000e+00	-8.1239e+00	-4.3943e+01	-1.2589e+01
	535	0.0000e+00	0.0000e+00	0.0000e+00	-1.0535e+02	5.3949e+01	-5.1577e+00
132	204	0.0000e+00	0.0000e+00	0.0000e+00	-2.0468e+02	-6.9088e+01	-8.9693e+01
	5	0.0000e+00	0.0000e+00	0.0000e+00	-3.5723e+02	1.3733e+01	-5.1366e+01
	535	0.0000e+00	0.0000e+00	0.0000e+00	-1.7416e+02	5.9657e+01	1.4768e+01
	534	0.0000e+00	0.0000e+00	0.0000e+00	-8.5760e+00	4.8439e+01	-4.2622e+01
133	462	0.0000e+00	0.0000e+00	0.0000e+00	-1.0431e+01	-5.8417e+01	3.4836e+01
	414	0.0000e+00	0.0000e+00	0.0000e+00	1.2334e+01	-1.7355e+02	-2.0817e+00
	6	0.0000e+00	0.0000e+00	0.0000e+00	-5.0633e+01	1.5338e+01	-3.0378e+01
	533	0.0000e+00	0.0000e+00	0.0000e+00	2.6350e+00	-4.6411e+00	1.2999e+01
134	534	0.0000e+00	0.0000e+00	0.0000e+00	-4.7674e+01	1.2563e+00	2.1023e+01
	27	0.0000e+00	0.0000e+00	0.0000e+00	1.2251e+02	1.2712e+02	-2.8798e+00
	462	0.0000e+00	0.0000e+00	0.0000e+00	2.9921e+01	-9.3052e+01	2.9697e+00
	533	0.0000e+00	0.0000e+00	0.0000e+00	3.8056e+01	1.2539e+01	2.3152e+01
135	204	0.0000e+00	0.0000e+00	0.0000e+00	1.1503e+00	-1.9105e+02	3.7691e+01
	534	0.0000e+00	0.0000e+00	0.0000e+00	6.3407e+01	3.0810e+01	6.0101e+00
	533	0.0000e+00	0.0000e+00	0.0000e+00	-2.7803e+01	4.1442e+01	3.2606e+00
	6	0.0000e+00	0.0000e+00	0.0000e+00	-4.4406e+00	1.9047e+02	7.5873e+01

136	454	0.0000e+00	0.0000e+00	0.0000e+00	6.7547e+01	9.9128e+00	-2.4627e+00
	515	0.0000e+00	0.0000e+00	0.0000e+00	1.3940e+02	-3.5788e+01	4.4694e+01
	582	0.0000e+00	0.0000e+00	0.0000e+00	1.1941e+02	5.9629e+01	-9.2367e-01
137	582	0.0000e+00	0.0000e+00	0.0000e+00	1.0822e+02	1.2445e+02	5.7493e+01
	515	0.0000e+00	0.0000e+00	0.0000e+00	4.1635e+01	1.1936e+02	1.3242e+01
	532	0.0000e+00	0.0000e+00	0.0000e+00	5.6094e+01	4.2684e+01	3.7417e+01
138	515	0.0000e+00	0.0000e+00	0.0000e+00	4.2124e+01	3.1668e+01	5.3257e+01
	516	0.0000e+00	0.0000e+00	0.0000e+00	4.3546e+01	-8.1534e+01	8.4456e+01
	11	0.0000e+00	0.0000e+00	0.0000e+00	5.9254e+01	-3.8218e+01	9.0791e-01
139	11	0.0000e+00	0.0000e+00	0.0000e+00	3.0040e+01	-1.2398e+02	-2.2298e+01
	515	0.0000e+00	0.0000e+00	0.0000e+00	-9.1581e+01	-9.1665e+01	-6.0632e+01
	532	0.0000e+00	0.0000e+00	0.0000e+00	8.3588e-01	-4.2680e+01	-1.1349e+01
140	346	0.0000e+00	0.0000e+00	0.0000e+00	-2.5245e+01	1.2392e+02	7.0547e+01
	11	0.0000e+00	0.0000e+00	0.0000e+00	-6.0601e+01	1.2362e+02	5.1079e+01
	19	0.0000e+00	0.0000e+00	0.0000e+00	-3.3573e+01	1.6343e+02	7.7713e+01
141	11	0.0000e+00	0.0000e+00	0.0000e+00	2.9004e+01	-5.9695e+01	5.9203e+01
	516	0.0000e+00	0.0000e+00	0.0000e+00	-8.1862e+01	-6.2876e+01	3.9620e+01
	19	0.0000e+00	0.0000e+00	0.0000e+00	-1.1517e+01	-5.5361e+01	5.2339e+01
142	514	0.0000e+00	0.0000e+00	0.0000e+00	-2.1359e+01	7.1597e+01	7.7773e+01
	532	0.0000e+00	0.0000e+00	0.0000e+00	-4.6786e+00	5.5273e+01	5.3065e+01
	11	0.0000e+00	0.0000e+00	0.0000e+00	-4.6297e+01	9.0022e+01	5.4810e+01
	346	0.0000e+00	0.0000e+00	0.0000e+00	-4.7845e+00	6.4353e+01	7.5087e+01
143	463	0.0000e+00	0.0000e+00	0.0000e+00	7.6984e+01	2.5889e+01	-4.1968e+01
	513	0.0000e+00	0.0000e+00	0.0000e+00	8.0186e+00	1.7883e+01	-1.3452e+01
	530	0.0000e+00	0.0000e+00	0.0000e+00	1.4671e+01	3.7208e+01	-2.8943e+01
	335	0.0000e+00	0.0000e+00	0.0000e+00	9.7097e+01	8.9862e+01	-6.5686e+01
144	514	0.0000e+00	0.0000e+00	0.0000e+00	8.8047e+01	-3.5360e+01	-4.2476e+01
	346	0.0000e+00	0.0000e+00	0.0000e+00	1.1272e+02	-3.3647e+01	-4.1654e+01
	335	0.0000e+00	0.0000e+00	0.0000e+00	1.2266e+02	-2.2727e+01	-3.8017e+01
	530	0.0000e+00	0.0000e+00	0.0000e+00	5.5744e+01	-1.8618e+01	-5.8315e+01
145	531	0.0000e+00	0.0000e+00	0.0000e+00	3.1869e+01	-7.4008e+01	-3.9744e+01
	451	0.0000e+00	0.0000e+00	0.0000e+00	-7.2225e+01	-8.7387e+01	2.8739e+01
	454	0.0000e+00	0.0000e+00	0.0000e+00	-2.4165e+01	1.2005e+02	1.7495e+01
	582	0.0000e+00	0.0000e+00	0.0000e+00	1.4260e+02	1.4607e+02	-5.2232e+01
146	514	0.0000e+00	0.0000e+00	0.0000e+00	8.5948e+01	-3.1616e+01	-7.7966e+01
	531	0.0000e+00	0.0000e+00	0.0000e+00	4.7641e+01	-9.6169e+01	-3.1803e+01
	582	0.0000e+00	0.0000e+00	0.0000e+00	1.7501e+02	1.3109e+02	-1.7428e+01
	532	0.0000e+00	0.0000e+00	0.0000e+00	8.4685e+01	4.2229e+01	-5.9874e+01
147	450	0.0000e+00	0.0000e+00	0.0000e+00	-8.0312e+01	-1.0866e+02	-1.4878e+01
	451	0.0000e+00	0.0000e+00	0.0000e+00	6.5598e+01	-3.3757e+01	-3.4816e+01
	531	0.0000e+00	0.0000e+00	0.0000e+00	-1.5580e+01	3.8522e+00	-1.3895e+01
	469	0.0000e+00	0.0000e+00	0.0000e+00	2.4555e+01	-2.3044e+01	1.5065e+01
148	530	0.0000e+00	0.0000e+00	0.0000e+00	2.8566e+01	-2.4810e+01	6.9965e+00
	513	0.0000e+00	0.0000e+00	0.0000e+00	3.2775e+00	1.1302e+01	-1.1516e+01
	450	0.0000e+00	0.0000e+00	0.0000e+00	-1.0602e+02	-6.2458e+01	-1.2627e+01
	469	0.0000e+00	0.0000e+00	0.0000e+00	2.4105e+01	-6.5318e+01	9.7426e+00
149	514	0.0000e+00	0.0000e+00	0.0000e+00	1.1105e+01	7.3143e+01	6.1762e+01
	530	0.0000e+00	0.0000e+00	0.0000e+00	4.4389e+00	-1.8312e+01	6.0844e+01
	469	0.0000e+00	0.0000e+00	0.0000e+00	9.9248e+00	-2.3378e+01	8.3337e+00
	531	0.0000e+00	0.0000e+00	0.0000e+00	3.7988e+00	2.3387e+01	1.1505e+01
150	21	0.0000e+00	0.0000e+00	0.0000e+00	-6.5218e+01	-1.0344e+02	-1.5676e+01
	22	0.0000e+00	0.0000e+00	0.0000e+00	1.4867e+01	-1.3602e+02	-2.4805e+01
	30	0.0000e+00	0.0000e+00	0.0000e+00	1.1807e+01	3.4487e+01	-4.5962e+01
151	171	0.0000e+00	0.0000e+00	0.0000e+00	8.4648e+01	2.9843e+01	-1.3338e+00
	30	0.0000e+00	0.0000e+00	0.0000e+00	-5.8195e+00	4.6084e+01	-1.2801e+01
	21	0.0000e+00	0.0000e+00	0.0000e+00	7.7559e+01	1.4588e+02	8.7069e+00

152	171	0.0000e+00	0.0000e+00	0.0000e+00	4.2555e+00	1.0193e+02	1.1046e+01
	21	0.0000e+00	0.0000e+00	0.0000e+00	1.3017e+02	9.4427e+01	-1.5665e+01
	413	0.0000e+00	0.0000e+00	0.0000e+00	1.6201e+01	-3.7682e+01	-1.2649e+01
153	413	0.0000e+00	0.0000e+00	0.0000e+00	5.0348e+01	-4.4919e+01	-9.9257e+00
	171	0.0000e+00	0.0000e+00	0.0000e+00	-9.0735e+01	-2.3099e+01	1.2320e+01
	398	0.0000e+00	0.0000e+00	0.0000e+00	3.8087e+01	1.0814e+02	1.1403e+01
154	524	0.0000e+00	0.0000e+00	0.0000e+00	4.9817e+01	-9.6549e+00	-5.4358e+00
	526	0.0000e+00	0.0000e+00	0.0000e+00	3.1798e+00	2.0202e+00	6.6279e+00
	525	0.0000e+00	0.0000e+00	0.0000e+00	2.0087e+01	-2.8933e+01	2.2646e+01
155	524	0.0000e+00	0.0000e+00	0.0000e+00	5.8823e+00	1.9456e+01	-2.1219e+01
	525	0.0000e+00	0.0000e+00	0.0000e+00	7.0506e+00	2.8464e+01	-2.3825e+01
	34	0.0000e+00	0.0000e+00	0.0000e+00	4.6753e+00	4.1154e+01	-1.7070e+01
156	23	0.0000e+00	0.0000e+00	0.0000e+00	2.7653e+01	9.0848e+01	-2.2930e+01
	513	0.0000e+00	0.0000e+00	0.0000e+00	-2.7534e+01	1.8725e+01	-3.4218e+01
	450	0.0000e+00	0.0000e+00	0.0000e+00	-1.5183e+01	4.5401e+01	-8.4988e+01
157	425	0.0000e+00	0.0000e+00	0.0000e+00	-6.0583e+01	-1.0406e+02	-1.6486e+01
	450	0.0000e+00	0.0000e+00	0.0000e+00	6.0074e+01	-2.1781e+01	-2.5976e+01
	23	0.0000e+00	0.0000e+00	0.0000e+00	-1.1256e+01	-7.8038e+01	1.1460e+01
158	34	0.0000e+00	0.0000e+00	0.0000e+00	-4.3849e+01	2.3615e+01	2.5240e+01
	524	0.0000e+00	0.0000e+00	0.0000e+00	-2.7173e+01	1.6930e+01	1.3369e+01
	33	0.0000e+00	0.0000e+00	0.0000e+00	-4.4830e+01	7.2914e+00	9.4799e-01
159	33	0.0000e+00	0.0000e+00	0.0000e+00	9.2297e+00	-1.4348e+01	7.8102e+00
	34	0.0000e+00	0.0000e+00	0.0000e+00	-2.8033e+01	5.9440e+01	7.3510e+00
	465	0.0000e+00	0.0000e+00	0.0000e+00	-1.7638e+01	-1.6369e+01	3.7444e+01
160	33	0.0000e+00	0.0000e+00	0.0000e+00	1.4690e+01	-3.6598e+00	4.4306e+00
	465	0.0000e+00	0.0000e+00	0.0000e+00	2.4628e+01	-9.2456e+00	1.0635e+01
	512	0.0000e+00	0.0000e+00	0.0000e+00	1.8579e+01	-1.4676e+01	1.8034e+00
161	465	0.0000e+00	0.0000e+00	0.0000e+00	-8.2349e+01	2.0622e+01	-1.7080e+01
	34	0.0000e+00	0.0000e+00	0.0000e+00	-1.6229e+01	-2.0661e+01	-4.7102e+01
	10	0.0000e+00	0.0000e+00	0.0000e+00	-7.0754e+01	-2.5058e+01	-1.0084e+02
162	10	0.0000e+00	0.0000e+00	0.0000e+00	-2.3899e+01	2.1527e+00	7.8992e+01
	34	0.0000e+00	0.0000e+00	0.0000e+00	-1.9186e+01	4.3939e+01	7.1808e+01
	35	0.0000e+00	0.0000e+00	0.0000e+00	-3.1065e+01	9.9730e+01	1.1940e+02
163	35	0.0000e+00	0.0000e+00	0.0000e+00	1.0577e+01	-9.7616e+01	7.8870e+01
	17	0.0000e+00	0.0000e+00	0.0000e+00	-9.0736e+01	-2.0121e+02	3.5421e+01
	36	0.0000e+00	0.0000e+00	0.0000e+00	-1.2739e+02	-1.6632e+02	-6.2642e+01
164	529	0.0000e+00	0.0000e+00	0.0000e+00	4.9644e+00	-8.4551e+00	5.8860e+00
	526	0.0000e+00	0.0000e+00	0.0000e+00	-4.5683e+00	-1.1316e+01	5.8504e+00
	42	0.0000e+00	0.0000e+00	0.0000e+00	-1.2123e+01	-9.4641e-01	5.6556e+00
	127	0.0000e+00	0.0000e+00	0.0000e+00	6.4683e+00	-1.0513e+00	4.2488e+00
165	33	0.0000e+00	0.0000e+00	0.0000e+00	6.0632e+00	-1.6635e+01	3.7515e+00
	524	0.0000e+00	0.0000e+00	0.0000e+00	7.3608e+00	-3.2296e+01	-3.9649e+00
	526	0.0000e+00	0.0000e+00	0.0000e+00	2.5656e+00	6.7715e-01	1.0392e+00
	529	0.0000e+00	0.0000e+00	0.0000e+00	5.3001e+00	-2.1545e+01	2.9178e+00
166	528	0.0000e+00	0.0000e+00	0.0000e+00	2.0357e+01	-7.7231e+00	-1.3634e+01
	529	0.0000e+00	0.0000e+00	0.0000e+00	1.3995e+01	-1.0432e+01	3.4894e-01
	127	0.0000e+00	0.0000e+00	0.0000e+00	-3.9375e+00	2.8302e+00	6.0308e+00
	126	0.0000e+00	0.0000e+00	0.0000e+00	5.0837e+01	-8.8061e+00	-9.9505e+00
167	32	0.0000e+00	0.0000e+00	0.0000e+00	-3.7330e+00	-1.8959e+01	-5.7464e+00
	33	0.0000e+00	0.0000e+00	0.0000e+00	-2.7662e+00	-1.9499e+01	6.9252e+00
	529	0.0000e+00	0.0000e+00	0.0000e+00	6.8025e+00	-1.1711e+01	3.2641e+00
	528	0.0000e+00	0.0000e+00	0.0000e+00	1.6848e+01	-8.6393e+00	-9.5386e+00
168	511	0.0000e+00	0.0000e+00	0.0000e+00	-2.4232e+01	-6.5545e+00	-1.0120e+01
	512	0.0000e+00	0.0000e+00	0.0000e+00	-9.9294e+00	-9.0947e+00	4.2890e+00
	33	0.0000e+00	0.0000e+00	0.0000e+00	-2.6648e+00	3.2060e+00	6.1110e+00

	32	0.0000e+00	0.0000e+00	0.0000e+00	-1.5521e+01	-6.8834e-01	-7.5984e+00
169	464	0.0000e+00	0.0000e+00	0.0000e+00	3.1742e+01	-9.7027e+00	-4.2931e+01
	528	0.0000e+00	0.0000e+00	0.0000e+00	3.2474e+01	1.1451e+00	-2.3525e+01
	126	0.0000e+00	0.0000e+00	0.0000e+00	3.9827e+01	8.1873e+00	-4.9378e+01
	1	0.0000e+00	0.0000e+00	0.0000e+00	4.2618e+01	7.6840e+01	-5.6625e+01
170	52	0.0000e+00	0.0000e+00	0.0000e+00	9.2541e+00	-2.8502e+01	-3.8815e+01
	32	0.0000e+00	0.0000e+00	0.0000e+00	6.7031e-01	-1.5957e+01	-2.0450e+01
	528	0.0000e+00	0.0000e+00	0.0000e+00	2.4392e+01	2.5931e-01	-2.4089e+01
	464	0.0000e+00	0.0000e+00	0.0000e+00	2.2284e+01	2.1341e+01	-4.0512e+01
171	527	0.0000e+00	0.0000e+00	0.0000e+00	-2.6863e+01	9.2687e+01	-1.1133e+01
	521	0.0000e+00	0.0000e+00	0.0000e+00	-3.0083e+01	8.2914e+01	5.7713e+00
	45	0.0000e+00	0.0000e+00	0.0000e+00	-2.7975e+00	1.0040e+02	2.1940e+01
	506	0.0000e+00	0.0000e+00	0.0000e+00	-1.3076e+01	5.5184e+01	-1.1584e+00
172	35	0.0000e+00	0.0000e+00	0.0000e+00	4.3684e+01	-8.1895e+01	-9.3601e+01
	36	0.0000e+00	0.0000e+00	0.0000e+00	-1.3539e+02	-5.5238e+01	-4.1375e+01
	521	0.0000e+00	0.0000e+00	0.0000e+00	-3.2592e+01	9.0555e+01	2.0383e+01
	527	0.0000e+00	0.0000e+00	0.0000e+00	-5.6978e+01	-3.8716e+00	7.2046e+00
173	525	0.0000e+00	0.0000e+00	0.0000e+00	-7.1507e+00	1.0776e+01	-3.4994e+01
	527	0.0000e+00	0.0000e+00	0.0000e+00	1.1168e+01	9.7514e+01	-2.4303e+01
	506	0.0000e+00	0.0000e+00	0.0000e+00	3.2422e+00	3.9145e+01	2.3544e+00
	44	0.0000e+00	0.0000e+00	0.0000e+00	8.8065e-01	3.3127e+01	1.7670e+01
174	34	0.0000e+00	0.0000e+00	0.0000e+00	6.5844e+01	-1.9429e+01	-2.4207e+01
	35	0.0000e+00	0.0000e+00	0.0000e+00	3.5852e+01	-3.9116e+01	-5.8481e+01
	527	0.0000e+00	0.0000e+00	0.0000e+00	-9.9830e+00	1.8557e+01	-3.9929e+01
	525	0.0000e+00	0.0000e+00	0.0000e+00	2.8929e+01	-2.6293e+01	-3.4638e+01
175	526	0.0000e+00	0.0000e+00	0.0000e+00	-1.3013e+01	3.6332e+00	-3.4958e+00
	525	0.0000e+00	0.0000e+00	0.0000e+00	1.5239e+01	2.5667e+01	-2.8799e+01
	44	0.0000e+00	0.0000e+00	0.0000e+00	1.1890e+01	4.6117e+01	3.9849e-01
	42	0.0000e+00	0.0000e+00	0.0000e+00	-1.7672e+01	-2.1992e+01	1.4989e+01
176	522	0.0000e+00	0.0000e+00	0.0000e+00	-1.0798e+01	6.5462e+01	8.8806e+00
	588	0.0000e+00	0.0000e+00	0.0000e+00	-5.0456e+00	1.9224e+01	-3.5136e+01
	7	0.0000e+00	0.0000e+00	0.0000e+00	-4.8033e+01	1.4618e+02	-5.0091e+01
	47	0.0000e+00	0.0000e+00	0.0000e+00	-1.9654e+01	1.6847e+02	-1.8164e+01
177	38	0.0000e+00	0.0000e+00	0.0000e+00	8.3370e+00	-7.7882e+00	-4.8385e+00
	39	0.0000e+00	0.0000e+00	0.0000e+00	9.3965e+00	1.0560e+01	-1.0401e+01
	588	0.0000e+00	0.0000e+00	0.0000e+00	-6.3484e-01	-2.8937e+00	-1.2206e+01
	522	0.0000e+00	0.0000e+00	0.0000e+00	1.6945e+00	1.3933e+01	-3.6190e+00
178	518	0.0000e+00	0.0000e+00	0.0000e+00	1.8044e+01	5.6445e+01	-1.9012e+01
	587	0.0000e+00	0.0000e+00	0.0000e+00	-4.2356e+00	5.9645e+01	-1.3441e+01
	39	0.0000e+00	0.0000e+00	0.0000e+00	8.7514e+00	5.8898e+01	-7.4422e+00
	38	0.0000e+00	0.0000e+00	0.0000e+00	1.1558e+01	2.8120e+01	-1.0496e+01
179	520	0.0000e+00	0.0000e+00	0.0000e+00	4.3538e+00	9.3105e+01	2.3442e+01
	522	0.0000e+00	0.0000e+00	0.0000e+00	8.5956e+00	3.6230e+01	1.1979e+01
	47	0.0000e+00	0.0000e+00	0.0000e+00	5.8532e+00	1.5604e+02	6.0450e+00
	46	0.0000e+00	0.0000e+00	0.0000e+00	-1.8136e+01	1.1637e+02	2.1638e+01
180	37	0.0000e+00	0.0000e+00	0.0000e+00	3.3701e+01	-4.0447e+01	1.1644e+01
	38	0.0000e+00	0.0000e+00	0.0000e+00	4.1777e+01	-1.5855e+00	-6.4886e+00
	522	0.0000e+00	0.0000e+00	0.0000e+00	1.5307e+00	1.1660e+01	3.2003e+00
	520	0.0000e+00	0.0000e+00	0.0000e+00	2.1863e+01	1.7540e+01	2.8728e+01
181	517	0.0000e+00	0.0000e+00	0.0000e+00	5.5220e+01	1.8468e+01	-1.3011e+01
	518	0.0000e+00	0.0000e+00	0.0000e+00	2.2220e+01	3.8906e+01	-1.4751e+01
	38	0.0000e+00	0.0000e+00	0.0000e+00	4.2653e+01	2.6477e+01	1.9335e+00
	37	0.0000e+00	0.0000e+00	0.0000e+00	3.8483e+01	-3.2870e+01	6.1731e+00
182	521	0.0000e+00	0.0000e+00	0.0000e+00	-7.6567e+00	9.4020e+01	2.2798e+01
	520	0.0000e+00	0.0000e+00	0.0000e+00	9.7996e+00	7.1263e+01	3.0198e+01
	46	0.0000e+00	0.0000e+00	0.0000e+00	1.9531e+01	1.1298e+02	2.5258e+01
	45	0.0000e+00	0.0000e+00	0.0000e+00	-3.1270e+01	9.5145e+01	1.9608e+01

183	36	0.0000e+00	0.0000e+00	0.0000e+00	-1.6934e+02	-6.8636e+01	3.3879e+01
	37	0.0000e+00	0.0000e+00	0.0000e+00	5.3526e+01	-4.9036e+01	3.5637e+01
	520	0.0000e+00	0.0000e+00	0.0000e+00	-8.7150e+00	3.8906e+01	3.2784e+01
	521	0.0000e+00	0.0000e+00	0.0000e+00	-4.4420e+00	9.2677e+01	9.9952e+00
184	466	0.0000e+00	0.0000e+00	0.0000e+00	-3.7451e+01	-5.3786e+01	6.5640e+00
	517	0.0000e+00	0.0000e+00	0.0000e+00	6.3709e+01	-2.5982e+01	-4.2550e+00
	37	0.0000e+00	0.0000e+00	0.0000e+00	8.1791e+01	-2.4404e+01	3.4485e+01
	36	0.0000e+00	0.0000e+00	0.0000e+00	-1.9149e+02	-1.5147e+02	4.0154e+01
185	28	0.0000e+00	0.0000e+00	0.0000e+00	1.4168e+01	-1.1202e+02	-7.6582e+01
	586	0.0000e+00	0.0000e+00	0.0000e+00	3.5183e+01	2.3474e+01	-9.7788e+01
	587	0.0000e+00	0.0000e+00	0.0000e+00	-9.8996e-01	5.0137e+01	-2.6667e+01
	518	0.0000e+00	0.0000e+00	0.0000e+00	4.0692e-01	1.3314e+01	-5.7956e-01
186	29	0.0000e+00	0.0000e+00	0.0000e+00	2.5982e+01	-6.8379e+01	-3.7290e+01
	28	0.0000e+00	0.0000e+00	0.0000e+00	2.4265e+00	-1.3340e+02	-2.6107e+01
	518	0.0000e+00	0.0000e+00	0.0000e+00	2.3342e+01	3.3599e+01	-1.5906e+01
	517	0.0000e+00	0.0000e+00	0.0000e+00	4.1414e+01	-2.8752e+01	-3.9901e+01
187	26	0.0000e+00	0.0000e+00	0.0000e+00	-2.5257e+01	6.7289e+01	-6.9927e+00
	27	0.0000e+00	0.0000e+00	0.0000e+00	2.0554e+01	1.0675e+02	1.6162e+01
	28	0.0000e+00	0.0000e+00	0.0000e+00	1.1492e+01	-1.0404e+02	-6.6396e-01
	29	0.0000e+00	0.0000e+00	0.0000e+00	1.1984e+01	-9.2757e+00	-2.3819e+01
188	457	0.0000e+00	0.0000e+00	0.0000e+00	-4.4717e+01	-4.4560e+01	-4.8727e+00
	462	0.0000e+00	0.0000e+00	0.0000e+00	7.9383e+01	-8.9107e+01	1.4423e+01
	27	0.0000e+00	0.0000e+00	0.0000e+00	4.3774e+01	9.0489e+01	3.8275e+00
	26	0.0000e+00	0.0000e+00	0.0000e+00	-3.8802e+01	5.8854e+01	-5.6454e+00
189	516	0.0000e+00	0.0000e+00	0.0000e+00	3.4654e+01	-9.0644e+01	-8.9824e+01
	29	0.0000e+00	0.0000e+00	0.0000e+00	-3.7890e+00	-8.6521e+01	-3.9647e+01
	517	0.0000e+00	0.0000e+00	0.0000e+00	1.1040e+02	-6.3705e+01	1.6501e+01
	466	0.0000e+00	0.0000e+00	0.0000e+00	-3.4337e+01	-2.0229e+02	1.1103e+01
190	515	0.0000e+00	0.0000e+00	0.0000e+00	2.1833e+01	-6.0672e+01	-5.5976e+01
	26	0.0000e+00	0.0000e+00	0.0000e+00	3.2521e+01	5.8172e+01	-5.0934e+01
	29	0.0000e+00	0.0000e+00	0.0000e+00	5.2158e+00	-2.5328e+00	1.6998e+00
	516	0.0000e+00	0.0000e+00	0.0000e+00	1.1567e+02	-2.5753e+01	-1.5056e+01
191	454	0.0000e+00	0.0000e+00	0.0000e+00	-5.5236e+01	5.5806e+01	4.1951e+00
	457	0.0000e+00	0.0000e+00	0.0000e+00	3.7600e+01	1.4423e+01	4.6187e+01
	26	0.0000e+00	0.0000e+00	0.0000e+00	5.5913e+00	6.6277e+01	-7.1523e+00
	515	0.0000e+00	0.0000e+00	0.0000e+00	-2.3512e+01	1.3371e+02	-1.0588e+01
192	31	0.0000e+00	0.0000e+00	0.0000e+00	4.6704e+01	5.1267e+01	8.2844e+00
	463	0.0000e+00	0.0000e+00	0.0000e+00	4.1996e+01	-4.2723e+00	3.3559e+01
	10	0.0000e+00	0.0000e+00	0.0000e+00	1.4708e+02	7.8862e+01	4.1827e+01
	465	0.0000e+00	0.0000e+00	0.0000e+00	1.4286e+01	1.3628e+01	2.2137e+01
193	23	0.0000e+00	0.0000e+00	0.0000e+00	-3.6629e+01	-8.4061e+01	-3.9694e+01
	513	0.0000e+00	0.0000e+00	0.0000e+00	3.9540e+01	-4.7014e+00	-1.8184e+01
	463	0.0000e+00	0.0000e+00	0.0000e+00	3.3844e+01	5.0961e+01	1.8300e+01
	31	0.0000e+00	0.0000e+00	0.0000e+00	3.2558e+01	5.6896e+01	7.8669e+00
194	30	0.0000e+00	0.0000e+00	0.0000e+00	-2.2344e+01	3.2975e+01	-1.9099e+00
	31	0.0000e+00	0.0000e+00	0.0000e+00	3.2663e+01	5.0562e+01	-3.3526e+00
	465	0.0000e+00	0.0000e+00	0.0000e+00	1.6838e+00	-3.0474e+00	1.1340e+01
	512	0.0000e+00	0.0000e+00	0.0000e+00	-1.3094e+01	-7.6676e+00	1.3559e+01
195	22	0.0000e+00	0.0000e+00	0.0000e+00	-3.5882e+01	-1.4747e+02	-2.9915e+01
	23	0.0000e+00	0.0000e+00	0.0000e+00	4.2783e+01	-1.0042e+02	-3.0341e+01
	31	0.0000e+00	0.0000e+00	0.0000e+00	3.2877e+01	4.3533e+01	-1.0108e+01
	30	0.0000e+00	0.0000e+00	0.0000e+00	-2.5415e+01	1.9756e+01	-7.8631e+00
196	418	0.0000e+00	0.0000e+00	0.0000e+00	-9.9878e+01	-6.3013e+01	-4.1003e+01
	425	0.0000e+00	0.0000e+00	0.0000e+00	5.2852e+01	-8.0178e-01	-6.6495e+01
	23	0.0000e+00	0.0000e+00	0.0000e+00	3.2210e+01	-3.7923e+01	-4.0043e+01
	22	0.0000e+00	0.0000e+00	0.0000e+00	-4.5960e+01	-1.1366e+02	-2.5762e+01
197	171	0.0000e+00	0.0000e+00	0.0000e+00	-8.2701e+01	-1.0901e+01	-1.1020e+01

	30	0.0000e+00	0.0000e+00	0.0000e+00	8.4920e+00	2.2540e+01	3.8713e+00
	512	0.0000e+00	0.0000e+00	0.0000e+00	-2.3216e+01	-5.8879e+00	2.4345e+00
	511	0.0000e+00	0.0000e+00	0.0000e+00	-2.5217e+01	2.6771e+01	-1.2360e+01
198	415	0.0000e+00	0.0000e+00	0.0000e+00	-6.8351e+01	-2.5299e+01	-4.1544e+00
	418	0.0000e+00	0.0000e+00	0.0000e+00	5.2392e+01	3.8565e+00	-3.3876e+01
	22	0.0000e+00	0.0000e+00	0.0000e+00	2.9019e+01	-1.3430e+02	-2.9710e+01
	21	0.0000e+00	0.0000e+00	0.0000e+00	-6.3014e+01	-1.2991e+02	-7.3712e-02
199	398	0.0000e+00	0.0000e+00	0.0000e+00	2.7532e+01	-3.9118e+01	-6.3276e+01
	171	0.0000e+00	0.0000e+00	0.0000e+00	-8.5815e+01	-2.3251e+01	-4.0914e+01
	511	0.0000e+00	0.0000e+00	0.0000e+00	3.1195e+00	2.5007e+01	-2.1774e+01
	412	0.0000e+00	0.0000e+00	0.0000e+00	3.1783e+01	-2.7015e+01	-3.4163e+01
200	53	0.0000e+00	0.0000e+00	0.0000e+00	-4.9683e+01	-1.0462e+02	3.9129e+01
	415	0.0000e+00	0.0000e+00	0.0000e+00	-9.3072e+00	-8.3132e+00	2.9581e+01
	21	0.0000e+00	0.0000e+00	0.0000e+00	-8.7956e+01	-1.0307e+02	2.6775e+01
	413	0.0000e+00	0.0000e+00	0.0000e+00	2.9561e+01	2.5113e+01	2.5829e+01
201	510	0.0000e+00	0.0000e+00	0.0000e+00	4.8295e+00	2.9516e+01	-4.1948e+01
	491	0.0000e+00	0.0000e+00	0.0000e+00	-8.4275e-01	3.6047e+01	-4.3251e+01
	186	0.0000e+00	0.0000e+00	0.0000e+00	-5.3362e+01	1.9869e+01	-4.0784e+01
	400	0.0000e+00	0.0000e+00	0.0000e+00	5.6957e+01	1.8313e+01	-3.8692e+01
202	41	0.0000e+00	0.0000e+00	0.0000e+00	-1.0283e+01	2.3495e+01	-6.9882e+00
	43	0.0000e+00	0.0000e+00	0.0000e+00	1.4061e+01	2.3792e+01	-8.9279e+00
	491	0.0000e+00	0.0000e+00	0.0000e+00	-7.0385e+00	2.1025e+01	-3.1194e+01
	510	0.0000e+00	0.0000e+00	0.0000e+00	5.2594e+00	6.7660e+01	-3.0389e+01
203	127	0.0000e+00	0.0000e+00	0.0000e+00	7.8439e+00	3.5659e+00	6.5218e+00
	42	0.0000e+00	0.0000e+00	0.0000e+00	-8.3792e+00	-3.2951e+01	3.3980e+00
	43	0.0000e+00	0.0000e+00	0.0000e+00	1.2897e+01	4.3898e+01	-4.1149e+00
	41	0.0000e+00	0.0000e+00	0.0000e+00	-1.8082e+01	3.0470e+01	-1.4383e-01
204	509	0.0000e+00	0.0000e+00	0.0000e+00	4.9665e+01	5.6673e+01	-1.4527e+01
	510	0.0000e+00	0.0000e+00	0.0000e+00	1.1157e+01	6.1447e+01	-3.7744e+01
	400	0.0000e+00	0.0000e+00	0.0000e+00	-4.4134e+01	-6.4321e+00	-3.0625e+01
	399	0.0000e+00	0.0000e+00	0.0000e+00	6.3293e+01	-1.5514e+01	-8.2982e+00
205	40	0.0000e+00	0.0000e+00	0.0000e+00	9.7703e+01	7.6061e+01	-7.5056e+00
	41	0.0000e+00	0.0000e+00	0.0000e+00	-2.0839e+01	3.1341e+01	-1.5067e+01
	510	0.0000e+00	0.0000e+00	0.0000e+00	2.0701e+01	7.1607e+01	-2.0881e+01
	509	0.0000e+00	0.0000e+00	0.0000e+00	6.1354e+01	3.9067e+01	-1.1249e+01
206	126	0.0000e+00	0.0000e+00	0.0000e+00	6.9652e+01	-2.1328e+01	-1.8488e+00
	127	0.0000e+00	0.0000e+00	0.0000e+00	-3.7260e+00	-2.7842e+00	4.9529e+00
	41	0.0000e+00	0.0000e+00	0.0000e+00	-2.2058e+01	4.3988e+01	-4.6292e+00
	40	0.0000e+00	0.0000e+00	0.0000e+00	9.6393e+01	9.3531e+01	-1.1431e+01
207	91	0.0000e+00	0.0000e+00	0.0000e+00	-1.9584e+01	3.7159e+00	1.2403e+01
	509	0.0000e+00	0.0000e+00	0.0000e+00	5.5574e+01	6.0987e+01	-1.6365e+00
	399	0.0000e+00	0.0000e+00	0.0000e+00	-1.5881e+01	-3.3693e+01	1.5663e+01
	60	0.0000e+00	0.0000e+00	0.0000e+00	2.9860e+01	-2.3098e+01	3.0225e+01
208	168	0.0000e+00	0.0000e+00	0.0000e+00	-1.8801e+01	9.3247e+00	1.3760e+01
	40	0.0000e+00	0.0000e+00	0.0000e+00	1.2323e+02	6.9582e+01	-7.2120e+00
	509	0.0000e+00	0.0000e+00	0.0000e+00	6.2198e+01	3.2871e+01	-2.2123e+00
	91	0.0000e+00	0.0000e+00	0.0000e+00	-1.1771e+01	1.0380e+02	3.2796e+00
209	1	0.0000e+00	0.0000e+00	0.0000e+00	3.8510e+01	-1.1044e+02	-9.5906e+00
	126	0.0000e+00	0.0000e+00	0.0000e+00	9.5322e+01	-3.6800e+01	-3.1772e+01
	40	0.0000e+00	0.0000e+00	0.0000e+00	1.0843e+02	7.5876e+01	-1.8412e+01
	168	0.0000e+00	0.0000e+00	0.0000e+00	-3.7044e+01	1.1242e+02	8.3021e+00
210	508	0.0000e+00	0.0000e+00	0.0000e+00	1.6886e+00	-2.9306e+01	-4.4528e+01
	476	0.0000e+00	0.0000e+00	0.0000e+00	9.1570e+00	-3.2132e+01	-5.8551e+01
	187	0.0000e+00	0.0000e+00	0.0000e+00	-5.5500e+01	9.4353e+01	-5.5301e+01
	407	0.0000e+00	0.0000e+00	0.0000e+00	4.4397e+01	8.4048e+01	-4.1820e+01
211	507	0.0000e+00	0.0000e+00	0.0000e+00	1.9337e+01	-6.7200e+01	-1.9857e+00
	49	0.0000e+00	0.0000e+00	0.0000e+00	-2.4650e+01	-8.9296e+01	1.1761e+01

	476	0.0000e+00	0.0000e+00	0.0000e+00	9.4475e+00	-8.8644e+01	-1.7061e+01
	508	0.0000e+00	0.0000e+00	0.0000e+00	1.5747e+01	-5.6838e+01	-2.8674e+01
212	506	0.0000e+00	0.0000e+00	0.0000e+00	-1.1747e+01	2.4556e+01	2.0549e+00
	45	0.0000e+00	0.0000e+00	0.0000e+00	-1.3440e-01	6.3087e+01	9.5549e-01
	49	0.0000e+00	0.0000e+00	0.0000e+00	-1.8589e+01	-4.6274e+01	2.5902e+01
	507	0.0000e+00	0.0000e+00	0.0000e+00	1.3849e+01	-4.6133e+01	2.3603e+01
213	487	0.0000e+00	0.0000e+00	0.0000e+00	-6.1969e-01	-5.1908e+00	-4.5822e+01
	508	0.0000e+00	0.0000e+00	0.0000e+00	6.9752e+00	-1.0420e+01	-5.0618e+01
	407	0.0000e+00	0.0000e+00	0.0000e+00	-6.2656e+01	6.7314e+01	-4.7363e+01
	406	0.0000e+00	0.0000e+00	0.0000e+00	5.4046e+01	5.5896e+01	-4.0554e+01
214	48	0.0000e+00	0.0000e+00	0.0000e+00	5.8780e+00	-2.8172e+01	-2.8941e+00
	507	0.0000e+00	0.0000e+00	0.0000e+00	8.5096e+00	-3.8664e+01	-1.9272e+01
	508	0.0000e+00	0.0000e+00	0.0000e+00	-1.1669e+01	-3.3599e+01	-4.0476e+01
	487	0.0000e+00	0.0000e+00	0.0000e+00	-1.3236e+01	1.7324e+00	-2.9838e+01
215	44	0.0000e+00	0.0000e+00	0.0000e+00	1.4698e+01	2.2275e+00	6.1524e+00
	506	0.0000e+00	0.0000e+00	0.0000e+00	-2.0333e+00	7.7965e+00	1.9672e+01
	507	0.0000e+00	0.0000e+00	0.0000e+00	1.5883e+01	-5.0001e+01	-8.6040e+00
	48	0.0000e+00	0.0000e+00	0.0000e+00	1.5287e+01	-4.9582e+00	-1.0779e+01
216	491	0.0000e+00	0.0000e+00	0.0000e+00	-9.4470e-01	1.3163e+01	-4.2155e+01
	487	0.0000e+00	0.0000e+00	0.0000e+00	3.2897e+00	2.0316e+01	-4.4925e+01
	406	0.0000e+00	0.0000e+00	0.0000e+00	-5.8096e+01	4.1297e+01	-4.0205e+01
	186	0.0000e+00	0.0000e+00	0.0000e+00	5.2963e+01	3.6903e+01	-4.0166e+01
217	43	0.0000e+00	0.0000e+00	0.0000e+00	1.6052e+01	2.3732e+01	4.0952e+00
	48	0.0000e+00	0.0000e+00	0.0000e+00	-7.8298e+00	-3.1516e+01	-5.0570e-01
	487	0.0000e+00	0.0000e+00	0.0000e+00	4.9900e-02	-9.5268e+00	-3.7307e+01
	491	0.0000e+00	0.0000e+00	0.0000e+00	2.5631e-01	1.1469e+01	-2.5298e+01
218	42	0.0000e+00	0.0000e+00	0.0000e+00	-1.4813e+01	-3.2664e+01	5.6802e+00
	44	0.0000e+00	0.0000e+00	0.0000e+00	1.1825e+01	8.3807e+00	5.0501e+00
	48	0.0000e+00	0.0000e+00	0.0000e+00	-2.8640e+00	1.3907e-01	5.6306e+00
	43	0.0000e+00	0.0000e+00	0.0000e+00	-8.3000e-01	4.0979e+01	5.5002e+00
219	477	0.0000e+00	0.0000e+00	0.0000e+00	4.5097e+00	-1.0347e+02	-2.0579e+01
	485	0.0000e+00	0.0000e+00	0.0000e+00	2.4329e+01	-1.6663e+02	-3.2794e+01
	61	0.0000e+00	0.0000e+00	0.0000e+00	2.3218e+01	1.9514e+02	-4.7381e+01
	411	0.0000e+00	0.0000e+00	0.0000e+00	-1.9025e+01	1.6306e+02	-3.3330e+01
220	51	0.0000e+00	0.0000e+00	0.0000e+00	-7.4393e+01	-2.6615e+02	-6.9821e+00
	8	0.0000e+00	0.0000e+00	0.0000e+00	5.8860e+01	-2.2908e+02	-3.1215e+00
	485	0.0000e+00	0.0000e+00	0.0000e+00	1.9903e+00	-2.3697e+02	-2.9541e+01
	477	0.0000e+00	0.0000e+00	0.0000e+00	-5.6480e+00	-1.5406e+02	-2.4246e+01
221	47	0.0000e+00	0.0000e+00	0.0000e+00	-3.5954e+01	1.2947e+02	-2.5507e+01
	7	0.0000e+00	0.0000e+00	0.0000e+00	-4.1435e+01	2.1468e+02	2.8091e+01
	8	0.0000e+00	0.0000e+00	0.0000e+00	7.1837e+01	-2.5335e+02	4.2776e+01
	51	0.0000e+00	0.0000e+00	0.0000e+00	-7.2138e+01	-2.0904e+02	-1.3530e+01
222	473	0.0000e+00	0.0000e+00	0.0000e+00	-1.6161e+01	-7.5572e+01	-4.3597e+01
	477	0.0000e+00	0.0000e+00	0.0000e+00	-1.1868e+01	-9.1186e+01	-5.0592e+01
	411	0.0000e+00	0.0000e+00	0.0000e+00	-4.6040e+01	1.6102e+02	-4.9007e+01
	409	0.0000e+00	0.0000e+00	0.0000e+00	1.2321e+01	1.4748e+02	-4.7997e+01
223	50	0.0000e+00	0.0000e+00	0.0000e+00	4.1369e+01	-1.6977e+02	-7.6346e+00
	51	0.0000e+00	0.0000e+00	0.0000e+00	-7.4292e+01	-2.5355e+02	1.3440e+00
	477	0.0000e+00	0.0000e+00	0.0000e+00	-3.5060e+01	-1.3378e+02	-2.4771e+01
	473	0.0000e+00	0.0000e+00	0.0000e+00	-9.3088e+00	-1.5550e+02	-3.6886e+01
224	46	0.0000e+00	0.0000e+00	0.0000e+00	-1.3790e+01	7.1126e+01	1.7559e+01
	47	0.0000e+00	0.0000e+00	0.0000e+00	-1.9040e+01	1.3377e+02	2.6442e+01
	51	0.0000e+00	0.0000e+00	0.0000e+00	-5.1393e+01	-2.1501e+02	1.6290e+01
	50	0.0000e+00	0.0000e+00	0.0000e+00	2.9373e+01	-1.1901e+02	7.4077e+00
225	476	0.0000e+00	0.0000e+00	0.0000e+00	-1.7945e+00	-5.2836e+01	-4.9421e+01
	473	0.0000e+00	0.0000e+00	0.0000e+00	1.2503e+01	-5.8980e+01	-6.1829e+01
	409	0.0000e+00	0.0000e+00	0.0000e+00	-4.9967e+01	1.1641e+02	-6.4812e+01

	187	0.0000e+00	0.0000e+00	0.0000e+00	3.6454e+01	1.1296e+02	-4.6558e+01
226	49	0.0000e+00	0.0000e+00	0.0000e+00	6.1058e+00	-9.9488e+01	-1.4778e+00
	50	0.0000e+00	0.0000e+00	0.0000e+00	-1.5301e+01	-1.5306e+02	1.0817e+01
	473	0.0000e+00	0.0000e+00	0.0000e+00	-7.5263e+00	-1.3645e+02	-3.4238e+01
	476	0.0000e+00	0.0000e+00	0.0000e+00	1.1743e+01	-8.5110e+01	-4.9574e+01
227	45	0.0000e+00	0.0000e+00	0.0000e+00	-2.7280e+01	4.3300e+01	1.5369e+01
	46	0.0000e+00	0.0000e+00	0.0000e+00	1.6020e+01	7.6605e+01	2.9462e+01
	50	0.0000e+00	0.0000e+00	0.0000e+00	8.1428e+00	-1.1053e+02	2.2444e+01
	49	0.0000e+00	0.0000e+00	0.0000e+00	-2.2522e+00	-5.4153e+01	8.3502e+00
228	58	0.0000e+00	0.0000e+00	0.0000e+00	-8.4466e+00	1.1207e+01	-1.7693e+01
	1	0.0000e+00	0.0000e+00	0.0000e+00	-9.8070e+00	-4.4339e+01	-1.8009e+01
	464	0.0000e+00	0.0000e+00	0.0000e+00	-3.0712e+01	1.1116e+01	-4.3406e+01
	421	0.0000e+00	0.0000e+00	0.0000e+00	1.3725e+01	-2.3839e+01	-4.2885e+01

SFORZI "Torcente di piano SLD" (Fase 1)

Generato da analisi lunedì 11 aprile 2022 alle ore 15:46:51.

Elem	Nodo	N	Vy	Vz	Mx	My	Mz
15	583	0.0000e+00	3.3588e+01	0.0000e+00	-3.9741e+02	2.5011e-12	2.5297e+03
	437	0.0000e+00	-3.3588e+01	0.0000e+00	3.9741e+02	4.5475e-13	2.5688e+03
16	430	0.0000e+00	2.2269e+01	2.8422e-14	4.6661e+02	-1.8190e-12	2.0313e+03
	583	0.0000e+00	-2.2269e+01	-2.8422e-14	-4.6661e+02	9.0949e-13	2.0170e+03
17	437	-1.4495e-12	2.6066e+02	0.0000e+00	-2.9151e+03	-1.4552e-11	1.7381e+04
	133	1.4495e-12	-2.6066e+02	0.0000e+00	2.9151e+03	-1.4552e-11	1.3517e+04
18	428	9.0949e-13	-1.8100e+02	0.0000e+00	-4.5035e+03	0.0000e+00	-7.3010e+03
	131	-9.0949e-13	1.8100e+02	0.0000e+00	4.5035e+03	-1.4552e-11	-1.4184e+04
19	427	0.0000e+00	-2.6059e+02	0.0000e+00	-4.4398e+03	0.0000e+00	-1.2513e+04
	130	0.0000e+00	2.6059e+02	0.0000e+00	4.4398e+03	1.4552e-11	-1.8436e+04
20	430	1.3642e-12	6.5038e+01	0.0000e+00	-3.0634e+03	0.0000e+00	7.1829e+03
	132	-1.3642e-12	-6.5038e+01	0.0000e+00	3.0634e+03	0.0000e+00	5.6119e+02
21	446	-9.0949e-13	5.3950e+02	0.0000e+00	-2.8411e+03	0.0000e+00	3.5538e+04
	134	9.0949e-13	-5.3950e+02	0.0000e+00	2.8411e+03	0.0000e+00	2.9082e+04
22	455	0.0000e+00	4.1264e+02	-2.2737e-13	-2.8195e+03	-1.4552e-11	2.6722e+04
	135	0.0000e+00	-4.1264e+02	2.2737e-13	2.8195e+03	1.4552e-11	2.2782e+04
23	460	0.0000e+00	6.0037e+02	-4.5475e-13	-1.8689e+03	-1.4552e-11	3.5277e+04
	136	0.0000e+00	-6.0037e+02	4.5475e-13	1.8689e+03	0.0000e+00	3.5914e+04
229	460	0.0000e+00	1.3227e+00	7.1054e-15	-3.9929e+03	9.0949e-13	5.7189e+02
	25	0.0000e+00	-1.3227e+00	-7.1054e-15	3.9929e+03	-9.0949e-13	-1.5500e+02
230	455	0.0000e+00	6.3254e+00	0.0000e+00	-1.2065e+02	0.0000e+00	8.8799e+02
	460	0.0000e+00	-6.3254e+00	0.0000e+00	1.2065e+02	1.3642e-12	1.0323e+03
231	446	0.0000e+00	4.8298e+00	-1.7764e-15	3.9002e+02	4.5475e-13	8.1018e+02
	455	0.0000e+00	-4.8298e+00	1.7764e-15	-3.9002e+02	2.2737e-13	9.0046e+02
232	437	0.0000e+00	8.4375e+00	-1.7764e-15	-4.8699e+01	5.6843e-13	1.2558e+03
	446	0.0000e+00	-8.4375e+00	1.7764e-15	4.8699e+01	-7.3896e-13	1.3057e+03
233	428	0.0000e+00	7.2747e+00	-1.7764e-15	1.4009e+01	9.0949e-13	1.1930e+03
	430	0.0000e+00	-7.2747e+00	1.7764e-15	-1.4009e+01	4.5475e-13	1.1654e+03
234	427	0.0000e+00	7.1594e+00	0.0000e+00	1.7502e+02	-9.0949e-13	1.1461e+03
	428	0.0000e+00	-7.1594e+00	0.0000e+00	-1.7502e+02	-9.0949e-13	1.0275e+03
235	490	0.0000e+00	7.0586e+00	7.1054e-15	5.9959e+01	-9.0949e-13	1.0221e+03
	427	0.0000e+00	-7.0586e+00	-7.1054e-15	-5.9959e+01	-9.0949e-13	1.1173e+03
236	410	4.5475e-13	-2.3405e+00	0.0000e+00	-3.0846e+02	0.0000e+00	-2.7727e+02
	471	-4.5475e-13	2.3405e+00	0.0000e+00	3.0846e+02	-9.0949e-13	-4.6041e+02
237	408	0.0000e+00	-4.5034e+00	-3.5527e-15	2.5916e+02	-1.8190e-12	-6.4449e+02

	410	0.0000e+00	4.5034e+00	3.5527e-15	-2.5916e+02	0.0000e+00	-7.2270e+02
238	405	-4.5475e-13	-4.3874e+00	-3.5527e-15	3.4426e+02	-1.8190e-12	-7.3637e+02
	408	4.5475e-13	4.3874e+00	3.5527e-15	-3.4426e+02	-4.5475e-13	-8.1757e+02
239	404	0.0000e+00	-6.7022e+00	-4.4409e-15	3.4409e+02	3.4106e-13	-1.0032e+03
	405	0.0000e+00	6.7022e+00	4.4409e-15	-3.4409e+02	-9.0949e-13	-1.0315e+03
240	403	-4.5475e-13	-5.2889e+00	-3.9968e-15	2.8657e+02	1.1369e-13	-9.3142e+02
	404	4.5475e-13	5.2889e+00	3.9968e-15	-2.8657e+02	3.4106e-13	-9.4184e+02
241	402	0.0000e+00	-7.1894e+00	-1.0658e-14	3.2725e+02	-9.0949e-13	-1.1028e+03
	403	0.0000e+00	7.1894e+00	1.0658e-14	-3.2725e+02	-4.5475e-13	-1.0798e+03
242	401	0.0000e+00	-6.5186e+00	3.5527e-15	1.6111e+02	-9.0949e-13	-1.0020e+03
	402	0.0000e+00	6.5186e+00	-3.5527e-15	-1.6111e+02	-9.0949e-13	-9.7701e+02
243	470	0.0000e+00	-6.1960e+00	-1.4211e-14	2.1821e+02	9.0949e-13	-1.0310e+03
	401	0.0000e+00	6.1960e+00	1.4211e-14	-2.1821e+02	-9.0949e-13	-8.5000e+02
244	158	-3.4106e-13	6.5671e+01	-7.1054e-15	-1.8695e+03	1.8190e-12	1.5689e+04
	405	3.4106e-13	-6.5671e+01	7.1054e-15	1.8695e+03	1.8190e-12	1.9036e+04
245	152	2.2737e-13	1.4435e+01	-3.5527e-15	-3.0654e+03	0.0000e+00	2.1643e+03
	403	-2.2737e-13	-1.4435e+01	3.5527e-15	3.0654e+03	0.0000e+00	5.4710e+03
246	160	0.0000e+00	1.2930e+02	-7.1054e-15	-1.3160e+03	0.0000e+00	3.3058e+04
	410	0.0000e+00	-1.2930e+02	7.1054e-15	1.3160e+03	0.0000e+00	3.5281e+04
247	159	-4.5475e-13	9.3388e+01	7.1054e-15	-1.6700e+03	0.0000e+00	2.2939e+04
	408	4.5475e-13	-9.3388e+01	-7.1054e-15	1.6700e+03	0.0000e+00	2.6449e+04
248	157	2.3448e-13	4.0059e+01	-3.5527e-15	-1.8272e+03	3.6380e-12	8.9708e+03
	404	-2.3448e-13	-4.0059e+01	3.5527e-15	1.8272e+03	1.8190e-12	1.2201e+04
249	150	-4.5475e-13	-4.2503e+00	0.0000e+00	-2.8305e+03	0.0000e+00	-2.6084e+03
	402	4.5475e-13	4.2503e+00	0.0000e+00	2.8305e+03	-9.0949e-13	3.6094e+02
250	149	0.0000e+00	-2.5241e+01	-1.0658e-14	-3.1270e+03	1.8190e-12	-8.3830e+03
	401	0.0000e+00	2.5241e+01	1.0658e-14	3.1270e+03	2.7285e-12	-4.9582e+03
332	172	0.0000e+00	2.5744e+01	-1.4211e-14	3.1789e+03	0.0000e+00	4.9782e+03
	489	0.0000e+00	-2.5744e+01	1.4211e-14	-3.1789e+03	0.0000e+00	3.0375e+03
333	139	0.0000e+00	-3.9497e+01	0.0000e+00	-1.2061e+03	1.8190e-12	-6.7346e+03
	172	0.0000e+00	3.9497e+01	0.0000e+00	1.2061e+03	0.0000e+00	-5.6281e+03
334	179	3.6380e-12	-1.3461e+01	-4.5475e-13	1.2605e+04	2.9104e-11	8.1139e+01
	57	-3.6380e-12	1.3461e+01	4.5475e-13	-1.2605e+04	2.9104e-11	-4.2724e+03
335	259	0.0000e+00	-7.7476e+00	0.0000e+00	6.7777e+02	0.0000e+00	-2.4303e+03
	179	0.0000e+00	7.7476e+00	0.0000e+00	-6.7777e+02	0.0000e+00	5.2727e+00
336	2	-7.2760e-12	6.6668e+00	0.0000e+00	-8.3714e+01	7.2760e-12	1.0451e+03
	3	7.2760e-12	-6.6668e+00	0.0000e+00	8.3714e+01	0.0000e+00	4.4488e+02
337	54	-7.2760e-12	-5.1926e+00	-1.1369e-13	-3.6828e+02	-2.1828e-11	-9.1578e+02
	4	7.2760e-12	5.1926e+00	1.1369e-13	3.6828e+02	-2.1828e-11	-2.4476e+02
338	56	7.2760e-12	1.9914e+01	1.1369e-13	-2.1373e+02	-1.4552e-11	2.2250e+03
	55	-7.2760e-12	-1.9914e+01	-1.1369e-13	2.1373e+02	-1.4552e-11	2.2257e+03
339	59	7.2760e-12	-1.7284e+01	1.1369e-13	-4.3909e+01	-7.2760e-12	-2.3859e+03
	57	-7.2760e-12	1.7284e+01	-1.1369e-13	4.3909e+01	-1.4552e-11	-1.4771e+03
340	71	2.9104e-11	-6.7913e+02	-1.4552e-11	-3.5046e+03	0.0000e+00	-2.5002e+03
	68	-2.9104e-11	6.7913e+02	1.4552e-11	3.5046e+03	0.0000e+00	-7.1042e+03
341	66	2.9104e-11	4.0103e+01	0.0000e+00	-8.9203e+02	5.8208e-11	-2.6111e+03
	69	-2.9104e-11	-4.0103e+01	0.0000e+00	8.9203e+02	0.0000e+00	3.1783e+03
342	72	9.0949e-13	1.1259e+00	0.0000e+00	1.4616e+03	0.0000e+00	1.7228e+02
	73	-9.0949e-13	-1.1259e+00	0.0000e+00	-1.4616e+03	-3.6380e-12	2.5780e+02
343	180	1.4552e-11	4.2095e+02	0.0000e+00	2.3619e+04	0.0000e+00	-1.9949e+04

	72	-1.4552e-11	-4.2095e+02	0.0000e+00	-2.3619e+04	0.0000e+00	2.8879e+04
344	63	0.0000e+00	4.2095e+02	-1.1369e-13	2.5951e+03	-7.2760e-12	3.9492e+04
	180	0.0000e+00	-4.2095e+02	1.1369e-13	-2.5951e+03	-1.4552e-11	3.0807e+04
345	62	0.0000e+00	2.9137e+00	4.4409e-15	2.1511e+03	0.0000e+00	4.5429e+02
	63	0.0000e+00	-2.9137e+00	-4.4409e-15	-2.1511e+03	-4.5475e-13	3.3241e+02
346	65	2.9104e-11	2.4183e+03	-2.9104e-11	-7.2466e+03	1.1642e-10	2.3021e+04
	62	-2.9104e-11	-2.4183e+03	2.9104e-11	7.2466e+03	0.0000e+00	2.8279e+04
347	64	-4.5475e-13	1.0001e+00	-1.4211e-14	1.2887e+03	0.0000e+00	2.3695e+02
	65	4.5475e-13	-1.0001e+00	1.4211e-14	-1.2887e+03	-1.8190e-12	1.4508e+02
348	249	0.0000e+00	-1.4338e+02	0.0000e+00	-1.7530e+04	0.0000e+00	-2.1789e+04
	248	0.0000e+00	1.4338e+02	0.0000e+00	1.7530e+04	0.0000e+00	-2.3377e+04
349	233	0.0000e+00	-1.0638e+02	5.6843e-14	2.8630e+03	-1.4552e-11	-1.9147e+04
	249	0.0000e+00	1.0638e+02	-5.6843e-14	-2.8630e+03	-1.4552e-11	-1.4682e+04
350	262	-6.8212e-13	1.1629e+01	1.1369e-13	1.0224e+04	0.0000e+00	5.9269e+03
	233	6.8212e-13	-1.1629e+01	-1.1369e-13	-1.0224e+04	0.0000e+00	-2.2289e+03
351	263	1.1369e-12	-2.1759e+02	1.4211e-14	-1.6425e+03	3.6380e-12	-3.0083e+04
	262	-1.1369e-12	2.1759e+02	-1.4211e-14	1.6425e+03	4.5475e-12	-3.9112e+04
352	264	-2.2737e-13	-1.2690e+02	0.0000e+00	3.2755e+03	-9.0949e-13	-2.5870e+04
	263	2.2737e-13	1.2690e+02	0.0000e+00	-3.2755e+03	-3.6380e-12	-1.5371e+04
353	265	4.5475e-13	-1.2280e+02	0.0000e+00	6.7645e+02	3.6380e-12	-1.9651e+04
	264	-4.5475e-13	1.2280e+02	0.0000e+00	-6.7645e+02	0.0000e+00	-1.9459e+04
354	258	0.0000e+00	-1.2193e+02	0.0000e+00	7.3794e+03	1.4552e-11	-1.8997e+04
	265	0.0000e+00	1.2193e+02	0.0000e+00	-7.3794e+03	7.2760e-12	-1.9167e+04
355	243	-1.7053e-13	-1.4119e+02	0.0000e+00	-4.0070e+03	2.9104e-11	-2.0733e+04
	258	1.7053e-13	1.4119e+02	0.0000e+00	4.0070e+03	1.4552e-11	-2.3200e+04
356	260	0.0000e+00	-8.7882e+01	0.0000e+00	4.8293e+02	-1.4552e-11	-1.3428e+04
	259	0.0000e+00	8.7882e+01	0.0000e+00	-4.8293e+02	-1.4552e-11	-1.4562e+04
357	65	0.0000e+00	-3.3941e+02	0.0000e+00	2.1462e+03	-1.4552e-11	-2.9194e+04
	260	0.0000e+00	3.3941e+02	0.0000e+00	-2.1462e+03	-4.3656e-11	-2.8391e+04
358	257	0.0000e+00	-2.5240e+01	-2.2737e-13	8.4318e+03	0.0000e+00	-4.8436e+03
	3	0.0000e+00	2.5240e+01	2.2737e-13	-8.4318e+03	-5.8208e-11	-3.2420e+03
359	261	3.6380e-12	7.2152e+01	0.0000e+00	2.6604e+03	2.9104e-11	1.1322e+04
	257	-3.6380e-12	-7.2152e+01	0.0000e+00	-2.6604e+03	0.0000e+00	1.1623e+04
360	72	0.0000e+00	3.5528e+01	5.6843e-14	9.7235e+02	0.0000e+00	5.7933e+03
	261	0.0000e+00	-3.5528e+01	-5.6843e-14	-9.7235e+02	0.0000e+00	5.7654e+03
369	241	3.6380e-12	-8.5877e+01	4.5475e-13	8.1709e+03	5.8208e-11	-1.2548e+04
	4	-3.6380e-12	8.5877e+01	-4.5475e-13	-8.1709e+03	0.0000e+00	-1.4962e+04
370	245	0.0000e+00	-1.7738e+02	2.2737e-13	3.2607e+03	2.9104e-11	-2.7947e+04
	241	0.0000e+00	1.7738e+02	-2.2737e-13	-3.2607e+03	2.9104e-11	-2.8458e+04
371	240	0.0000e+00	-1.7413e+02	1.1369e-13	3.7112e+03	1.4552e-11	-2.7638e+04
	245	0.0000e+00	1.7413e+02	-1.1369e-13	-3.7112e+03	0.0000e+00	-2.7737e+04
372	246	0.0000e+00	-1.8013e+02	8.5265e-14	1.1192e+03	-7.2760e-12	-2.8631e+04
	240	0.0000e+00	1.8013e+02	-8.5265e-14	-1.1192e+03	-1.4552e-11	-2.8649e+04
373	242	3.6380e-12	-1.7352e+02	0.0000e+00	2.2494e+03	0.0000e+00	-2.8509e+04
	246	-3.6380e-12	1.7352e+02	0.0000e+00	-2.2494e+03	-7.2760e-12	-2.7886e+04
374	214	0.0000e+00	-8.8513e+01	0.0000e+00	-8.6882e+02	0.0000e+00	-1.0017e+04
	242	0.0000e+00	8.8513e+01	0.0000e+00	8.6882e+02	0.0000e+00	-1.8175e+04
375	213	0.0000e+00	-2.4047e+01	1.1369e-13	1.3173e+03	-2.9104e-11	-4.0748e+03
	214	0.0000e+00	2.4047e+01	-1.1369e-13	-1.3173e+03	0.0000e+00	-3.4519e+03
376	55	-7.2760e-12	-5.9490e+01	-2.2737e-13	1.3429e+04	0.0000e+00	-1.5101e+04

	213	7.2760e-12	5.9490e+01	2.2737e-13	-1.3429e+04	0.0000e+00	-3.4217e+03
385	179	0.0000e+00	-5.9101e+01	1.4211e-14	1.6650e+03	0.0000e+00	-1.3778e+04
	258	0.0000e+00	5.9101e+01	-1.4211e-14	-1.6650e+03	-3.6380e-12	-1.6896e+04
386	253	0.0000e+00	-6.4814e+01	0.0000e+00	2.1859e+03	0.0000e+00	-1.4403e+04
	179	0.0000e+00	6.4814e+01	0.0000e+00	-2.1859e+03	0.0000e+00	1.8616e+03
387	250	-3.6380e-12	9.6683e+02	0.0000e+00	-1.4894e+03	2.9104e-11	5.4401e+04
	72	3.6380e-12	-9.6683e+02	0.0000e+00	1.4894e+03	2.9104e-11	1.1831e+05
388	70	0.0000e+00	-2.1199e+02	-2.2737e-13	3.7194e+03	1.4552e-11	-1.2663e+04
	73	0.0000e+00	2.1199e+02	2.2737e-13	-3.7194e+03	0.0000e+00	-1.8684e+04
389	67	0.0000e+00	-1.3587e+02	1.1369e-13	3.4010e+03	-1.4552e-11	-1.1672e+04
	70	0.0000e+00	1.3587e+02	-1.1369e-13	-3.4010e+03	0.0000e+00	-1.1834e+04
390	64	0.0000e+00	-2.7268e+02	-5.6843e-14	3.9220e+03	7.2760e-12	-2.3222e+04
	67	0.0000e+00	2.7268e+02	5.6843e-14	-3.9220e+03	7.2760e-12	-1.7098e+04
391	67	-6.2528e-13	-1.7097e-01	-2.2737e-13	3.5793e+03	-2.1828e-11	9.4630e+02
	263	6.2528e-13	1.7097e-01	2.2737e-13	-3.5793e+03	-2.9104e-11	-9.7507e+02
392	73	7.2760e-12	6.6064e+02	-2.2737e-13	9.7734e+02	-2.1828e-11	5.7380e+04
	262	-7.2760e-12	-6.6064e+02	2.2737e-13	-9.7734e+02	0.0000e+00	4.3143e+04
393	257	-3.6380e-12	9.2411e+01	1.4211e-14	3.3498e+03	0.0000e+00	2.4405e+04
	249	3.6380e-12	-9.2411e+01	-1.4211e-14	-3.3498e+03	-1.4552e-11	2.3556e+04
394	256	0.0000e+00	3.9152e+02	0.0000e+00	-3.1692e+03	5.8208e-11	3.9667e+04
	257	0.0000e+00	-3.9152e+02	0.0000e+00	3.1692e+03	0.0000e+00	3.6092e+04
395	261	-3.6380e-12	5.5761e+01	0.0000e+00	3.2003e+03	-1.8190e-12	1.4498e+04
	233	3.6380e-12	-5.5761e+01	0.0000e+00	-3.2003e+03	0.0000e+00	1.4442e+04
396	252	7.2760e-12	2.7693e+02	0.0000e+00	1.3939e+01	0.0000e+00	2.7276e+04
	261	-7.2760e-12	-2.7693e+02	0.0000e+00	-1.3939e+01	0.0000e+00	2.6311e+04
397	260	0.0000e+00	-2.3330e+01	0.0000e+00	3.0500e+03	-3.6380e-12	-6.0518e+03
	264	0.0000e+00	2.3330e+01	0.0000e+00	-3.0500e+03	-1.4552e-11	-6.0565e+03
398	254	0.0000e+00	-3.1444e+01	-9.0949e-13	1.1059e+02	5.8208e-11	-3.7655e+03
	260	0.0000e+00	3.1444e+01	9.0949e-13	-1.1059e+02	1.1642e-10	-2.3189e+03
399	243	7.2760e-12	-6.4568e+02	0.0000e+00	8.6632e+03	9.0949e-13	-1.5029e+05
	55	-7.2760e-12	6.4568e+02	0.0000e+00	-8.6632e+03	0.0000e+00	-2.0290e+05
400	57	0.0000e+00	-7.8259e+02	-1.4211e-14	5.2417e+03	-2.7285e-12	-2.2120e+05
	243	0.0000e+00	7.8259e+02	1.4211e-14	-5.2417e+03	-3.6380e-12	-1.6540e+05
401	248	7.2760e-12	5.3918e+02	3.5527e-15	7.5613e+03	0.0000e+00	9.8481e+04
	4	-7.2760e-12	-5.3918e+02	-3.5527e-15	-7.5613e+03	-9.0949e-13	1.9107e+05
402	3	-7.2760e-12	6.6193e+02	-7.1054e-15	6.1661e+03	-1.8190e-12	2.1652e+05
	248	7.2760e-12	-6.6193e+02	7.1054e-15	-6.1661e+03	-1.8190e-12	1.1711e+05
403	241	7.2760e-12	3.8127e+02	0.0000e+00	-6.0999e+03	-1.7462e-10	3.5002e+04
	236	-7.2760e-12	-3.8127e+02	0.0000e+00	6.0999e+03	-1.1642e-10	3.8774e+04
404	249	-7.2760e-12	8.0765e+01	0.0000e+00	4.2222e+03	7.2760e-12	2.1853e+04
	241	7.2760e-12	-8.0765e+01	0.0000e+00	-4.2222e+03	5.4570e-12	2.2730e+04
405	245	7.2760e-12	2.8127e+02	0.0000e+00	-3.1547e+03	5.8208e-11	2.5828e+04
	244	-7.2760e-12	-2.8127e+02	0.0000e+00	3.1547e+03	-2.9104e-11	2.8598e+04
406	233	-3.6380e-12	6.9151e+01	-4.2633e-14	4.3783e+03	1.4552e-11	1.9301e+04
	245	3.6380e-12	-6.9151e+01	4.2633e-14	-4.3783e+03	1.4552e-11	1.8870e+04
407	240	0.0000e+00	1.4129e+02	0.0000e+00	-3.0608e+03	5.8208e-11	1.1304e+04
	238	0.0000e+00	-1.4129e+02	0.0000e+00	3.0608e+03	0.0000e+00	1.6035e+04
408	262	3.6380e-12	9.7412e+01	0.0000e+00	6.0668e+03	-1.8190e-12	2.1922e+04
	240	-3.6380e-12	-9.7412e+01	0.0000e+00	-6.0668e+03	-9.0949e-13	3.1850e+04
409	246	0.0000e+00	5.3086e+01	0.0000e+00	-3.2333e+03	5.8208e-11	4.8002e+03

	239	0.0000e+00	-5.3086e+01	0.0000e+00	3.2333e+03	5.8208e-11	5.4720e+03
410	263	-5.6843e-13	1.2122e+01	0.0000e+00	6.0407e+03	-1.4552e-11	3.3105e+03
	246	5.6843e-13	-1.2122e+01	0.0000e+00	-6.0407e+03	-2.1828e-11	3.3811e+03
411	242	0.0000e+00	-3.8637e+01	4.5475e-13	-2.4326e+02	0.0000e+00	-3.0354e+03
	247	0.0000e+00	3.8637e+01	-4.5475e-13	2.4326e+02	-2.9104e-11	-4.4520e+03
412	264	0.0000e+00	-1.7089e+01	-2.8422e-14	5.3322e+03	0.0000e+00	-4.6458e+03
	242	0.0000e+00	1.7089e+01	2.8422e-14	-5.3322e+03	-3.6380e-12	-4.7873e+03
413	213	0.0000e+00	-9.2744e+01	0.0000e+00	9.0462e+03	-1.1642e-10	1.7347e+03
	235	0.0000e+00	9.2744e+01	0.0000e+00	-9.0462e+03	0.0000e+00	-1.9681e+04
414	258	0.0000e+00	-5.7301e+01	-1.4211e-14	9.0673e+02	-2.9104e-11	-1.7963e+04
	213	0.0000e+00	5.7301e+01	1.4211e-14	-9.0673e+02	-1.4552e-11	-1.3666e+04
415	214	0.0000e+00	-3.0876e+01	0.0000e+00	1.4095e+04	-1.4552e-11	2.1554e+04
	234	0.0000e+00	3.0876e+01	0.0000e+00	-1.4095e+04	-1.4552e-11	-2.7528e+04
416	265	0.0000e+00	-9.5342e+01	7.1054e-15	6.2658e+02	2.7285e-12	-2.8889e+04
	214	0.0000e+00	9.5342e+01	-7.1054e-15	-6.2658e+02	2.7285e-12	-2.3740e+04
417	259	0.0000e+00	-1.1722e+02	0.0000e+00	4.4572e+03	0.0000e+00	-3.0555e+04
	265	0.0000e+00	1.1722e+02	0.0000e+00	-4.4572e+03	-1.8190e-12	-3.0281e+04
418	255	0.0000e+00	-3.2894e+02	0.0000e+00	1.8427e+03	1.4552e-11	-4.2356e+04
	259	0.0000e+00	3.2894e+02	0.0000e+00	-1.8427e+03	4.3656e-11	-2.1387e+04
419	177	7.2760e-12	-1.5622e+01	-9.0949e-13	1.5065e+04	0.0000e+00	1.5814e+02
	81	-7.2760e-12	1.5622e+01	9.0949e-13	-1.5065e+04	1.1642e-10	-5.0222e+03
420	301	7.2760e-12	-1.3025e+01	0.0000e+00	3.8774e+02	-5.8208e-11	-3.5482e+03
	177	-7.2760e-12	1.3025e+01	0.0000e+00	-3.8774e+02	0.0000e+00	-5.2859e+02
421	165	0.0000e+00	6.1723e+00	0.0000e+00	2.3801e+00	2.9104e-11	1.1875e+03
	164	0.0000e+00	-6.1723e+00	0.0000e+00	-2.3801e+00	0.0000e+00	1.9199e+02
422	125	-1.4552e-11	-7.2900e+00	0.0000e+00	-4.1549e+02	-2.9104e-11	-1.2606e+03
	124	1.4552e-11	7.2900e+00	0.0000e+00	4.1549e+02	-5.8208e-11	-3.6873e+02
423	75	0.0000e+00	2.6677e-01	4.5475e-13	-6.0150e+02	-2.9104e-11	4.1872e+02
	74	0.0000e+00	-2.6677e-01	-4.5475e-13	6.0150e+02	-2.9104e-11	-3.5910e+02
424	80	1.4552e-11	-1.3921e+00	2.2737e-13	-5.3624e+01	-2.9104e-11	-7.2528e+02
	81	-1.4552e-11	1.3921e+00	-2.2737e-13	5.3624e+01	-2.9104e-11	4.1415e+02
425	112	5.8208e-11	-1.3917e+03	2.9104e-11	-6.1226e+03	0.0000e+00	-6.4742e+03
	105	-5.8208e-11	1.3917e+03	-2.9104e-11	6.1226e+03	0.0000e+00	-1.3207e+04
426	99	5.8208e-11	1.4957e+03	0.0000e+00	-7.0600e+03	1.1642e-10	6.9704e+03
	106	-5.8208e-11	-1.4957e+03	0.0000e+00	7.0600e+03	0.0000e+00	1.4183e+04
427	117	3.6380e-12	1.6045e+00	-2.8422e-14	1.7830e+03	-3.6380e-12	2.6088e+02
	118	-3.6380e-12	-1.6045e+00	2.8422e-14	-1.7830e+03	-7.2760e-12	3.5204e+02
428	178	5.8208e-11	5.5096e+02	2.9104e-11	3.0568e+04	0.0000e+00	-2.5998e+04
	117	-5.8208e-11	-5.5096e+02	-2.9104e-11	-3.0568e+04	0.0000e+00	3.7686e+04
429	93	0.0000e+00	5.5096e+02	-2.2737e-13	3.2315e+03	-2.9104e-11	5.2012e+04
	178	0.0000e+00	-5.5096e+02	2.2737e-13	-3.2315e+03	0.0000e+00	3.9998e+04
430	94	-7.2760e-12	2.4414e+00	7.1054e-15	3.0117e+03	1.8190e-12	1.7070e+02
	93	7.2760e-12	-2.4414e+00	-7.1054e-15	-3.0117e+03	1.8190e-12	4.8848e+02
431	86	5.8208e-11	4.6451e+03	-5.8208e-11	-8.3022e+03	4.6566e-10	4.8649e+04
	94	-5.8208e-11	-4.6451e+03	5.8208e-11	8.3022e+03	4.6566e-10	4.9889e+04
432	87	0.0000e+00	2.7619e+00	-2.8422e-14	1.6139e+03	0.0000e+00	6.3484e+02
	86	0.0000e+00	-2.7619e+00	2.8422e-14	-1.6139e+03	-7.2760e-12	4.2023e+02
433	298	1.8190e-12	-1.8155e+02	0.0000e+00	-1.9654e+04	0.0000e+00	-2.7533e+04
	309	-1.8190e-12	1.8155e+02	0.0000e+00	1.9654e+04	0.0000e+00	-2.9656e+04
434	325	1.8190e-12	-1.3785e+02	0.0000e+00	3.7744e+03	-2.9104e-11	-2.4227e+04

	298	-1.8190e-12	1.3785e+02	0.0000e+00	-3.7744e+03	0.0000e+00	-1.9610e+04
435	304	0.0000e+00	3.1174e+00	1.1369e-13	1.1678e+04	4.3656e-11	5.0409e+03
	325	0.0000e+00	-3.1174e+00	-1.1369e-13	-1.1678e+04	2.9104e-11	-4.0496e+03
436	299	-9.0949e-13	-2.6769e+02	0.0000e+00	-1.7140e+03	0.0000e+00	-3.7688e+04
	304	9.0949e-13	2.6769e+02	0.0000e+00	1.7140e+03	7.2760e-12	-4.7439e+04
437	332	0.0000e+00	-1.5683e+02	0.0000e+00	4.6988e+03	0.0000e+00	-3.1492e+04
	299	0.0000e+00	1.5683e+02	0.0000e+00	-4.6988e+03	-7.2760e-12	-1.9476e+04
438	333	0.0000e+00	-1.6078e+02	0.0000e+00	7.0283e+02	1.4552e-11	-2.5538e+04
	332	0.0000e+00	1.6078e+02	0.0000e+00	-7.0283e+02	0.0000e+00	-2.5671e+04
439	306	9.0949e-13	-1.5691e+02	-1.1369e-13	9.7238e+03	2.9104e-11	-2.4550e+04
	333	-9.0949e-13	1.5691e+02	1.1369e-13	-9.7238e+03	2.9104e-11	-2.4563e+04
440	316	-1.9327e-12	-1.7954e+02	0.0000e+00	-4.1917e+03	5.8208e-11	-2.6161e+04
	306	1.9327e-12	1.7954e+02	0.0000e+00	4.1917e+03	2.9104e-11	-2.9706e+04
441	305	0.0000e+00	-1.0817e+02	0.0000e+00	4.5083e+02	-2.9104e-11	-1.6661e+04
	301	0.0000e+00	1.0817e+02	0.0000e+00	-4.5083e+02	-2.9104e-11	-1.7792e+04
442	86	0.0000e+00	-3.5864e+02	-4.5475e-13	2.2087e+03	0.0000e+00	-3.0878e+04
	305	0.0000e+00	3.5864e+02	4.5475e-13	-2.2087e+03	-8.7311e-11	-2.9971e+04
443	311	7.2760e-12	-2.2192e+01	-4.5475e-13	9.9538e+03	-5.8208e-11	-4.5194e+03
	164	-7.2760e-12	2.2192e+01	4.5475e-13	-9.9538e+03	-5.8208e-11	-2.5899e+03
444	312	0.0000e+00	8.9482e+01	0.0000e+00	3.4183e+03	5.8208e-11	1.4085e+04
	311	0.0000e+00	-8.9482e+01	0.0000e+00	-3.4183e+03	0.0000e+00	1.4370e+04
445	117	0.0000e+00	4.2507e+01	2.2737e-13	1.3683e+03	0.0000e+00	6.7380e+03
	312	0.0000e+00	-4.2507e+01	-2.2737e-13	-1.3683e+03	0.0000e+00	7.0916e+03
454	318	-7.2760e-12	-1.1305e+02	9.0949e-13	9.9241e+03	-5.8208e-11	-1.6483e+04
	124	7.2760e-12	1.1305e+02	-9.0949e-13	-9.9241e+03	0.0000e+00	-1.9733e+04
455	322	0.0000e+00	-2.1797e+02	0.0000e+00	4.0754e+03	0.0000e+00	-3.4368e+04
	318	0.0000e+00	2.1797e+02	0.0000e+00	-4.0754e+03	0.0000e+00	-3.4947e+04
456	327	0.0000e+00	-2.1435e+02	2.2737e-13	4.4688e+03	-2.9104e-11	-3.4021e+04
	322	0.0000e+00	2.1435e+02	-2.2737e-13	-4.4688e+03	0.0000e+00	-3.4142e+04
457	315	0.0000e+00	-2.2213e+02	1.1369e-13	1.6937e+03	1.4552e-11	-3.5316e+04
	327	0.0000e+00	2.2213e+02	-1.1369e-13	-1.6937e+03	-2.9104e-11	-3.5321e+04
458	328	1.4552e-11	-2.1316e+02	-5.6843e-14	2.8523e+03	0.0000e+00	-3.5000e+04
	315	-1.4552e-11	2.1316e+02	5.6843e-14	-2.8523e+03	0.0000e+00	-3.4278e+04
459	287	7.2760e-12	-1.0813e+02	0.0000e+00	-1.6047e+03	0.0000e+00	-1.2224e+04
	328	-7.2760e-12	1.0813e+02	0.0000e+00	1.6047e+03	0.0000e+00	-2.2216e+04
460	270	0.0000e+00	-3.3579e+01	4.5475e-13	1.5372e+03	-5.8208e-11	-5.7032e+03
	287	0.0000e+00	3.3579e+01	-4.5475e-13	-1.5372e+03	0.0000e+00	-4.8071e+03
461	74	-1.4552e-11	-6.7465e+01	-4.5475e-13	1.5741e+04	0.0000e+00	-1.6819e+04
	270	1.4552e-11	6.7465e+01	4.5475e-13	-1.5741e+04	0.0000e+00	-4.1875e+03
470	177	0.0000e+00	-7.5530e+01	0.0000e+00	2.0631e+03	0.0000e+00	-1.7345e+04
	306	0.0000e+00	7.5530e+01	0.0000e+00	-2.0631e+03	0.0000e+00	-2.1855e+04
471	313	0.0000e+00	-7.8126e+01	0.0000e+00	3.1595e+03	-1.1642e-10	-1.7795e+04
	177	0.0000e+00	7.8126e+01	0.0000e+00	-3.1595e+03	0.0000e+00	2.6776e+03
472	303	-7.2760e-12	1.0349e+03	0.0000e+00	-1.0569e+03	5.8208e-11	5.7847e+04
	117	7.2760e-12	-1.0349e+03	0.0000e+00	1.0569e+03	5.8208e-11	1.2703e+05
473	111	0.0000e+00	-2.3605e+02	0.0000e+00	4.8989e+03	-5.8208e-11	-1.3517e+04
	118	0.0000e+00	2.3605e+02	0.0000e+00	-4.8989e+03	0.0000e+00	-2.1387e+04
474	100	0.0000e+00	-1.6859e+02	-1.1369e-13	4.5744e+03	-1.4552e-11	-1.4476e+04
	111	0.0000e+00	1.6859e+02	1.1369e-13	-4.5744e+03	0.0000e+00	-1.4691e+04
475	87	7.2760e-12	-3.1558e+02	-6.8212e-13	4.9799e+03	4.3656e-11	-2.7015e+04

	100	-7.2760e-12	3.1558e+02	6.8212e-13	-4.9799e+03	4.3656e-11	-1.9650e+04
476	100	-3.4106e-13	-6.8637e+01	-4.5475e-13	4.8115e+03	-4.3656e-11	-5.4790e+03
	299	3.4106e-13	6.8637e+01	4.5475e-13	-4.8115e+03	-5.8208e-11	-6.0685e+03
477	118	0.0000e+00	7.4079e+02	0.0000e+00	9.3946e+02	2.9104e-11	6.4369e+04
	304	0.0000e+00	-7.4079e+02	0.0000e+00	-9.3946e+02	2.9104e-11	4.8350e+04
478	311	7.2760e-12	1.1180e+02	5.6843e-14	4.1271e+03	0.0000e+00	2.9613e+04
	298	-7.2760e-12	-1.1180e+02	-5.6843e-14	-4.1271e+03	-1.4552e-11	2.8409e+04
479	307	-2.9104e-11	4.3242e+02	-9.0949e-13	-3.5385e+03	0.0000e+00	4.3553e+04
	311	2.9104e-11	-4.3242e+02	9.0949e-13	3.5385e+03	-1.1642e-10	4.0120e+04
480	312	-1.4552e-11	6.5987e+01	0.0000e+00	3.9129e+03	-7.2760e-12	1.7236e+04
	325	1.4552e-11	-6.5987e+01	0.0000e+00	-3.9129e+03	-1.4552e-11	1.7011e+04
481	300	1.4552e-11	3.0766e+02	9.0949e-13	1.0021e+02	0.0000e+00	3.0085e+04
	312	-1.4552e-11	-3.0766e+02	-9.0949e-13	-1.0021e+02	0.0000e+00	2.9447e+04
482	305	0.0000e+00	-3.4610e+01	0.0000e+00	3.9707e+03	-1.4552e-11	-9.0179e+03
	332	0.0000e+00	3.4610e+01	0.0000e+00	-3.9707e+03	-2.9104e-11	-8.9445e+03
483	302	0.0000e+00	-7.0677e+01	0.0000e+00	5.6000e+01	0.0000e+00	-7.6956e+03
	305	0.0000e+00	7.0677e+01	0.0000e+00	-5.6000e+01	2.3283e-10	-5.9803e+03
484	316	1.4552e-11	-7.9484e+02	0.0000e+00	9.6661e+03	-3.6380e-12	-1.9002e+05
	74	-1.4552e-11	7.9484e+02	0.0000e+00	-9.6661e+03	-1.8190e-12	-2.4475e+05
485	81	0.0000e+00	-9.7847e+02	-2.8422e-14	6.2813e+03	-5.4570e-12	-2.7173e+05
	316	0.0000e+00	9.7847e+02	2.8422e-14	-6.2813e+03	-1.0914e-11	-2.1163e+05
486	309	-1.4552e-11	6.7712e+02	7.1054e-15	9.4640e+03	0.0000e+00	1.2748e+05
	124	1.4552e-11	-6.7712e+02	-7.1054e-15	-9.4640e+03	-1.8190e-12	2.3614e+05
487	164	0.0000e+00	8.1101e+02	-1.4211e-14	7.5913e+03	-5.4570e-12	2.6203e+05
	309	0.0000e+00	-8.1101e+02	1.4211e-14	-7.5913e+03	-3.6380e-12	1.4673e+05
488	318	0.0000e+00	4.2722e+02	9.0949e-13	-6.9825e+03	-3.4925e-10	3.9463e+04
	317	0.0000e+00	-4.2722e+02	-9.0949e-13	6.9825e+03	-3.4925e-10	4.3205e+04
489	298	7.2760e-12	9.8061e+01	0.0000e+00	5.1854e+03	0.0000e+00	2.6458e+04
	318	-7.2760e-12	-9.8061e+01	0.0000e+00	-5.1854e+03	1.0914e-11	2.7672e+04
490	322	0.0000e+00	3.1253e+02	0.0000e+00	-3.6217e+03	0.0000e+00	2.9021e+04
	324	0.0000e+00	-3.1253e+02	0.0000e+00	3.6217e+03	0.0000e+00	3.1452e+04
491	325	7.2760e-12	8.1635e+01	-1.1369e-13	5.4932e+03	1.4552e-11	2.2672e+04
	322	-7.2760e-12	-8.1635e+01	1.1369e-13	-5.4932e+03	2.1828e-11	2.2391e+04
492	327	7.2760e-12	1.4598e+02	-9.0949e-13	-3.4508e+03	0.0000e+00	1.1872e+04
	331	-7.2760e-12	-1.4598e+02	9.0949e-13	3.4508e+03	1.1642e-10	1.6374e+04
493	304	0.0000e+00	1.1589e+02	-7.1054e-15	7.4784e+03	-3.6380e-12	2.6350e+04
	327	0.0000e+00	-1.1589e+02	7.1054e-15	-7.4784e+03	-3.6380e-12	3.7622e+04
494	315	-7.9581e-13	3.4067e+01	-1.8190e-12	-3.6755e+03	1.1642e-10	3.0958e+03
	319	7.9581e-13	-3.4067e+01	1.8190e-12	3.6755e+03	1.1642e-10	3.4963e+03
495	299	2.8422e-13	1.1858e+01	0.0000e+00	7.3179e+03	-5.8208e-11	3.3943e+03
	315	-2.8422e-13	-1.1858e+01	0.0000e+00	-7.3179e+03	-4.3656e-11	3.1512e+03
496	328	0.0000e+00	-7.4760e+01	0.0000e+00	7.3809e+01	0.0000e+00	-6.2518e+03
	310	0.0000e+00	7.4760e+01	0.0000e+00	-7.3809e+01	0.0000e+00	-8.2355e+03
497	332	0.0000e+00	-2.6276e+01	-1.1369e-13	6.5124e+03	-1.4552e-11	-7.1667e+03
	328	0.0000e+00	2.6276e+01	1.1369e-13	-6.5124e+03	0.0000e+00	-7.3377e+03
498	270	0.0000e+00	-1.0821e+02	-1.8190e-12	1.1831e+04	-2.3283e-10	3.4253e+03
	323	0.0000e+00	1.0821e+02	1.8190e-12	-1.1831e+04	0.0000e+00	-2.4363e+04
499	306	0.0000e+00	-7.4321e+01	-5.6843e-14	1.1865e+03	-4.3656e-11	-2.3616e+04
	270	0.0000e+00	7.4321e+01	5.6843e-14	-1.1865e+03	-2.1828e-11	-1.7409e+04
500	287	-1.4552e-11	-5.3811e+01	0.0000e+00	1.7820e+04	-5.8208e-11	2.8089e+04

	329	1.4552e-11	5.3811e+01	0.0000e+00	-1.7820e+04	-2.9104e-11	-3.8501e+04
501	333	0.0000e+00	-1.2836e+02	0.0000e+00	7.8940e+02	3.6380e-12	-3.9625e+04
	287	0.0000e+00	1.2836e+02	0.0000e+00	-7.8940e+02	5.4570e-12	-3.1231e+04
502	301	7.2760e-12	-1.6675e+02	0.0000e+00	5.4996e+03	0.0000e+00	-4.3472e+04
	333	-7.2760e-12	1.6675e+02	0.0000e+00	-5.4996e+03	0.0000e+00	-4.3073e+04
503	308	0.0000e+00	-4.3883e+02	0.0000e+00	2.6577e+03	1.1642e-10	-5.5923e+04
	301	0.0000e+00	4.3883e+02	0.0000e+00	-2.6577e+03	5.8208e-11	-2.9116e+04
504	173	1.4552e-11	-2.4483e+01	-1.8190e-12	1.4822e+04	1.1642e-10	-4.1449e+02
	83	-1.4552e-11	2.4483e+01	1.8190e-12	-1.4822e+04	2.3283e-10	-7.2085e+03
505	350	0.0000e+00	-2.3267e+01	0.0000e+00	9.4090e+01	0.0000e+00	-5.6664e+03
	173	0.0000e+00	2.3267e+01	0.0000e+00	-9.4090e+01	0.0000e+00	-1.6162e+03
506	174	2.9104e-11	-1.0955e+01	1.8190e-12	1.2640e+04	-2.3283e-10	1.1136e+03
	85	-2.9104e-11	1.0955e+01	-1.8190e-12	-1.2640e+04	0.0000e+00	-4.5245e+03
507	453	0.0000e+00	-1.2292e+01	0.0000e+00	1.1509e+03	1.1642e-10	-3.5406e+03
	174	0.0000e+00	1.2292e+01	0.0000e+00	-1.1509e+03	1.1642e-10	-3.0675e+02
508	122	-2.9104e-11	2.9546e+01	0.0000e+00	1.1210e+02	-5.8208e-11	4.2717e+03
	461	2.9104e-11	-2.9546e+01	0.0000e+00	-1.1210e+02	0.0000e+00	5.3408e+03
509	475	0.0000e+00	1.2560e+02	-1.7764e-15	-1.7814e+03	4.5475e-13	3.5572e+04
	471	0.0000e+00	-1.2560e+02	1.7764e-15	1.7814e+03	9.0949e-13	2.8923e+04
510	484	2.2737e-13	3.1588e+01	0.0000e+00	-6.3981e+03	0.0000e+00	3.6938e+02
	482	-2.2737e-13	-3.1588e+01	0.0000e+00	6.3981e+03	-1.4552e-11	3.4036e+03
511	486	2.2737e-13	-1.7156e+00	1.3878e-16	-7.4343e+02	-1.9895e-13	-4.2579e+02
	484	-2.2737e-13	1.7156e+00	-1.3878e-16	7.4343e+02	-1.2790e-13	-5.3836e+02
512	161	0.0000e+00	-1.5222e+01	0.0000e+00	-2.8289e+03	-7.2760e-12	-3.9507e+02
	486	0.0000e+00	1.5222e+01	0.0000e+00	2.8289e+03	-7.2760e-12	-1.4087e+03
513	483	4.5475e-13	-1.5660e+01	-8.8818e-16	-3.9199e+02	0.0000e+00	-4.8478e+03
	470	-4.5475e-13	1.5660e+01	8.8818e-16	3.9199e+02	6.8212e-13	-3.1934e+03
514	490	1.8190e-12	-7.8343e+02	1.1369e-13	-3.1583e+03	0.0000e+00	-3.1703e+04
	488	-1.8190e-12	7.8343e+02	-1.1369e-13	3.1583e+03	7.2760e-12	-4.9382e+04
515	479	0.0000e+00	1.6401e+01	0.0000e+00	-1.3506e+02	9.0949e-13	1.5453e+03
	478	0.0000e+00	-1.6401e+01	0.0000e+00	1.3506e+02	0.0000e+00	2.1203e+03
516	475	0.0000e+00	-1.8492e+01	0.0000e+00	9.4103e+01	9.0949e-13	-2.3309e+03
	474	0.0000e+00	1.8492e+01	0.0000e+00	-9.4103e+01	9.0949e-13	-1.8021e+03
517	483	9.0949e-13	-7.3482e+00	0.0000e+00	4.9618e+03	0.0000e+00	-3.0453e+03
	482	-9.0949e-13	7.3482e+00	0.0000e+00	-4.9618e+03	9.0949e-13	1.4030e+03
518	488	0.0000e+00	-4.5114e+00	0.0000e+00	2.8799e+02	0.0000e+00	-1.1031e+03
	489	0.0000e+00	4.5114e+00	0.0000e+00	-2.8799e+02	0.0000e+00	9.4845e+01
519	497	1.0914e-11	1.0797e+03	1.8190e-12	3.7476e+03	1.4552e-11	9.5250e+03
	498	-1.0914e-11	-1.0797e+03	-1.8190e-12	-3.7476e+03	-2.9104e-11	5.7449e+03
520	495	0.0000e+00	-1.7468e+03	0.0000e+00	6.1923e+03	7.2760e-12	-1.3668e+04
	499	0.0000e+00	1.7468e+03	0.0000e+00	-6.1923e+03	0.0000e+00	-1.1035e+04
521	503	1.1369e-13	6.0913e+00	3.5527e-15	1.9007e+02	0.0000e+00	1.2701e+03
	504	-1.1369e-13	-6.0913e+00	-3.5527e-15	-1.9007e+02	0.0000e+00	1.0568e+03
522	502	0.0000e+00	2.9163e+03	0.0000e+00	1.1327e+04	0.0000e+00	1.2053e+04
	503	0.0000e+00	-2.9163e+03	0.0000e+00	-1.1327e+04	2.9104e-11	4.9811e+04
523	501	4.5475e-13	7.5523e+01	-1.4211e-14	1.8080e+03	-2.7285e-12	9.4812e+03
	502	-4.5475e-13	-7.5523e+01	1.4211e-14	-1.8080e+03	-2.7285e-12	3.1312e+03
524	500	0.0000e+00	3.0051e+00	1.4433e-15	8.8200e+02	1.4211e-13	1.9029e+03
	501	0.0000e+00	-3.0051e+00	-1.4433e-15	-8.8200e+02	-7.3896e-13	-1.0915e+03
525	492	3.6380e-12	-4.3514e+03	-1.8190e-12	8.8462e+03	0.0000e+00	-6.2961e+04

	500	-3.6380e-12	4.3514e+03	1.8190e-12	-8.8462e+03	0.0000e+00	-2.9346e+04
526	493	1.1369e-13	-4.2833e+00	1.7764e-15	1.0177e+03	-4.5475e-13	-1.5534e+03
	492	-1.1369e-13	4.2833e+00	-1.7764e-15	-1.0177e+03	0.0000e+00	-8.2786e+01
527	489	0.0000e+00	-3.1633e+01	0.0000e+00	1.0258e+03	2.2737e-13	-8.3670e+03
	161	0.0000e+00	3.1633e+01	0.0000e+00	-1.0258e+03	2.2737e-13	-7.2599e+03
528	167	0.0000e+00	1.2450e+00	-4.5475e-13	-9.8618e+00	5.8208e-11	7.1911e+02
	166	0.0000e+00	-1.2450e+00	4.5475e-13	9.8618e+00	-5.8208e-11	-4.4087e+02
529	129	-2.9104e-11	-4.8258e-01	0.0000e+00	-3.8133e+02	-5.8208e-11	-5.5716e+02
	128	2.9104e-11	4.8258e-01	0.0000e+00	3.8133e+02	-2.9104e-11	4.4930e+02
530	77	0.0000e+00	4.8332e+00	0.0000e+00	-6.9076e+02	0.0000e+00	1.0640e+03
	76	0.0000e+00	-4.8332e+00	0.0000e+00	6.9076e+02	-2.9104e-11	1.6175e+01
531	82	5.8208e-11	-4.1898e+00	4.5475e-13	-1.8018e+02	-5.8208e-11	-1.1037e+03
	83	-5.8208e-11	4.1898e+00	-4.5475e-13	1.8018e+02	-5.8208e-11	1.6722e+02
532	114	1.1642e-10	-9.2718e+02	0.0000e+00	-5.5124e+03	0.0000e+00	-3.9347e+03
	107	-1.1642e-10	9.2718e+02	0.0000e+00	5.5124e+03	0.0000e+00	-9.1776e+03
533	101	1.1642e-10	8.1309e+02	0.0000e+00	-5.1323e+03	-2.3283e-10	2.8294e+03
	108	-1.1642e-10	-8.1309e+02	0.0000e+00	5.1323e+03	0.0000e+00	8.6694e+03
534	119	0.0000e+00	7.4604e-01	0.0000e+00	1.8524e+03	-7.2760e-12	1.0588e+02
	121	0.0000e+00	-7.4604e-01	0.0000e+00	-1.8524e+03	-1.4552e-11	1.7910e+02
535	176	5.8208e-11	6.0821e+02	-5.8208e-11	3.3655e+04	4.6566e-10	-2.9146e+04
	119	-5.8208e-11	-6.0821e+02	5.8208e-11	-3.3655e+04	0.0000e+00	4.2048e+04
536	95	0.0000e+00	6.0821e+02	-4.5475e-13	3.1882e+03	-2.9104e-11	5.7165e+04
	176	0.0000e+00	-6.0821e+02	4.5475e-13	-3.1882e+03	0.0000e+00	4.4406e+04
537	96	0.0000e+00	2.2364e+00	-3.5527e-15	2.9392e+03	1.8190e-12	1.5616e+02
	95	0.0000e+00	-2.2364e+00	3.5527e-15	-2.9392e+03	-3.6380e-12	4.4766e+02
538	88	1.1642e-10	3.8757e+03	-5.8208e-11	-7.1731e+03	4.6566e-10	4.0614e+04
	96	-1.1642e-10	-3.8757e+03	5.8208e-11	7.1731e+03	4.6566e-10	4.1602e+04
539	89	0.0000e+00	2.1858e-01	-1.1369e-13	1.7131e+03	0.0000e+00	1.2522e+02
	88	0.0000e+00	-2.1858e-01	1.1369e-13	-1.7131e+03	-1.4552e-11	-4.1718e+01
540	170	0.0000e+00	-5.6704e+00	0.0000e+00	-7.5141e+02	5.8208e-11	1.0556e+02
	169	0.0000e+00	5.6704e+00	0.0000e+00	7.5141e+02	0.0000e+00	-1.3729e+03
541	163	-5.8208e-11	4.9080e+00	-4.5475e-13	-1.0808e+03	0.0000e+00	-9.3848e+01
	162	5.8208e-11	-4.9080e+00	4.5475e-13	1.0808e+03	0.0000e+00	1.1908e+03
542	79	0.0000e+00	-8.0293e+00	4.5475e-13	-1.4127e+03	0.0000e+00	-2.2145e+02
	78	0.0000e+00	8.0293e+00	-4.5475e-13	1.4127e+03	0.0000e+00	-1.5731e+03
543	84	0.0000e+00	7.6261e+00	4.5475e-13	-9.5469e+02	5.8208e-11	6.3696e+01
	85	0.0000e+00	-7.6261e+00	-4.5475e-13	9.5469e+02	5.8208e-11	1.6407e+03
544	116	-6.3171e+01	5.2091e+00	7.0344e+01	-1.9616e+03	-4.0633e+03	5.7362e+02
	109	6.3171e+01	-5.2091e+00	-7.0344e+01	1.9616e+03	3.0685e+03	-4.9995e+02
545	103	6.2634e+01	7.5974e+01	7.1616e+01	-2.5850e+03	-4.0331e+03	-1.2643e+02
	110	-6.2634e+01	-7.5974e+01	-7.1616e+01	2.5850e+03	3.0202e+03	1.2009e+03
546	122	7.2760e-12	-4.5432e-01	1.1369e-13	9.5494e+02	-2.1828e-11	-1.2943e+02
	123	-7.2760e-12	4.5432e-01	-1.1369e-13	-9.5494e+02	-2.9104e-11	-4.4119e+01
547	175	1.1642e-10	5.6998e+02	5.8208e-11	3.0640e+04	0.0000e+00	-2.6511e+04
	122	-1.1642e-10	-5.6998e+02	-5.8208e-11	-3.0640e+04	0.0000e+00	3.8602e+04
548	97	0.0000e+00	5.6998e+02	-4.5475e-13	2.9201e+03	8.7311e-11	5.4774e+04
	175	0.0000e+00	-5.6998e+02	4.5475e-13	-2.9201e+03	2.9104e-11	4.0412e+04
549	98	0.0000e+00	1.8433e+00	-2.1316e-14	2.8063e+03	-1.0914e-11	1.3470e+02
	97	0.0000e+00	-1.8433e+00	2.1316e-14	-2.8063e+03	-1.4552e-11	3.6298e+02
550	90	1.1642e-10	2.1573e+03	-1.7462e-10	-9.4140e+03	4.6566e-10	1.9463e+04

	98	-1.1642e-10	-2.1573e+03	1.7462e-10	9.4140e+03	4.6566e-10	2.6301e+04
551	92	0.0000e+00	9.5181e-01	1.7053e-13	1.0886e+03	1.4552e-11	2.6204e+02
	90	0.0000e+00	-9.5181e-01	-1.7053e-13	-1.0886e+03	0.0000e+00	1.0155e+02
552	429	1.8190e-12	-7.5713e+01	0.0000e+00	-1.9711e+04	0.0000e+00	-1.1659e+04
	442	-1.8190e-12	7.5713e+01	0.0000e+00	1.9711e+04	0.0000e+00	-1.2191e+04
553	435	2.7285e-12	-5.7459e+01	-2.2737e-13	1.0199e+03	-5.8208e-11	-1.2456e+04
	429	-2.7285e-12	5.7459e+01	2.2737e-13	-1.0199e+03	-5.8208e-11	-5.8163e+03
554	458	2.7285e-12	8.8098e+01	0.0000e+00	9.7395e+03	0.0000e+00	1.9149e+04
	435	-2.7285e-12	-8.8098e+01	0.0000e+00	-9.7395e+03	-5.8208e-11	8.8666e+03
555	467	9.0949e-13	-1.9148e+02	0.0000e+00	-4.1594e+03	1.4552e-11	-2.3754e+04
	458	-9.0949e-13	1.9148e+02	0.0000e+00	4.1594e+03	7.2760e-12	-3.7136e+04
556	449	-5.9117e-12	-4.7464e+01	-1.1369e-13	3.0819e+03	0.0000e+00	-1.4678e+04
	467	5.9117e-12	4.7464e+01	1.1369e-13	-3.0819e+03	0.0000e+00	-7.4759e+02
557	447	-1.8190e-12	-6.1890e+01	0.0000e+00	-5.7448e+02	2.9104e-11	-9.9431e+03
	449	1.8190e-12	6.1890e+01	0.0000e+00	5.7448e+02	0.0000e+00	-9.7688e+03
558	445	-4.5475e-13	-5.7525e+01	0.0000e+00	6.0959e+03	5.8208e-11	-9.0823e+03
	447	4.5475e-13	5.7525e+01	0.0000e+00	-6.0959e+03	5.8208e-11	-8.9231e+03
559	456	7.2760e-12	-7.5495e+01	4.5475e-13	-7.6102e+03	-1.7462e-10	-1.0600e+04
	445	-7.2760e-12	7.5495e+01	-4.5475e-13	7.6102e+03	-1.1642e-10	-1.2892e+04
560	452	-1.4552e-11	-9.1825e+01	0.0000e+00	4.9682e+02	0.0000e+00	-1.3723e+04
	453	1.4552e-11	9.1825e+01	0.0000e+00	-4.9682e+02	0.0000e+00	-1.5523e+04
561	90	2.9104e-11	-3.2722e+02	-1.8190e-12	1.9533e+03	-1.1642e-10	-2.9615e+04
	452	-2.9104e-11	3.2722e+02	1.8190e-12	-1.9533e+03	-1.1642e-10	-2.5903e+04
562	424	0.0000e+00	-9.3406e+00	0.0000e+00	1.0845e+04	2.3283e-10	-2.7268e+03
	169	0.0000e+00	9.3406e+00	0.0000e+00	-1.0845e+04	2.3283e-10	-2.6552e+02
563	461	0.0000e+00	7.6799e+01	9.0949e-13	2.0212e+03	0.0000e+00	1.2147e+04
	424	0.0000e+00	-7.6799e+01	-9.0949e-13	-2.0212e+03	1.1642e-10	1.2275e+04
572	420	0.0000e+00	-6.2198e+01	0.0000e+00	9.7692e+03	0.0000e+00	-8.2760e+03
	162	0.0000e+00	6.2198e+01	0.0000e+00	-9.7692e+03	-1.1642e-10	-1.1649e+04
573	436	1.4552e-11	-1.4455e+02	0.0000e+00	3.6931e+03	0.0000e+00	-2.2621e+04
	420	-1.4552e-11	1.4455e+02	0.0000e+00	-3.6931e+03	0.0000e+00	-2.3345e+04
574	431	0.0000e+00	-1.3760e+02	-4.5475e-13	3.9480e+03	-1.1642e-10	-2.1669e+04
	436	0.0000e+00	1.3760e+02	4.5475e-13	-3.9480e+03	-1.7462e-10	-2.2086e+04
575	440	1.4552e-11	-1.4498e+02	2.2737e-13	8.8451e+02	2.9104e-11	-2.3126e+04
	431	-1.4552e-11	1.4498e+02	-2.2737e-13	-8.8451e+02	2.9104e-11	-2.2979e+04
576	422	0.0000e+00	-1.4191e+02	0.0000e+00	2.1245e+03	0.0000e+00	-2.3549e+04
	440	0.0000e+00	1.4191e+02	0.0000e+00	-2.1245e+03	0.0000e+00	-2.2573e+04
577	416	0.0000e+00	-7.3386e+01	0.0000e+00	-8.2308e+02	0.0000e+00	-8.1117e+03
	422	0.0000e+00	7.3386e+01	0.0000e+00	8.2308e+02	0.0000e+00	-1.5262e+04
578	426	0.0000e+00	-1.0534e+01	0.0000e+00	2.3063e+03	3.4925e-10	-1.9893e+03
	416	0.0000e+00	1.0534e+01	0.0000e+00	-2.3063e+03	2.3283e-10	-1.3078e+03
579	78	0.0000e+00	-3.4083e+01	-9.0949e-13	1.2773e+04	0.0000e+00	-1.0410e+04
	426	0.0000e+00	3.4083e+01	9.0949e-13	-1.2773e+04	2.3283e-10	-2.0197e+02
588	174	0.0000e+00	-5.6401e+01	0.0000e+00	1.2698e+03	-2.9104e-11	-1.4199e+04
	445	0.0000e+00	5.6401e+01	0.0000e+00	-1.2698e+03	-2.9104e-11	-1.5073e+04
589	432	0.0000e+00	-5.5064e+01	-3.6380e-12	1.0732e+03	-4.6566e-10	-1.3325e+04
	174	0.0000e+00	5.5064e+01	3.6380e-12	-1.0732e+03	-2.3283e-10	2.6703e+03
590	439	-2.9104e-11	6.2681e+02	0.0000e+00	-2.3726e+03	1.1642e-10	2.7004e+04
	122	2.9104e-11	-6.2681e+02	0.0000e+00	2.3726e+03	2.3283e-10	8.4969e+04
591	115	0.0000e+00	-1.1662e+02	1.8190e-12	5.1302e+03	2.3283e-10	-4.3064e+03

	123	0.0000e+00	1.1662e+02	-1.8190e-12	-5.1302e+03	1.1642e-10	-1.2938e+04
592	104	0.0000e+00	-1.1236e+02	9.0949e-13	4.8112e+03	-5.8208e-11	-9.2971e+03
	115	0.0000e+00	1.1236e+02	-9.0949e-13	-4.8112e+03	2.9104e-11	-1.0141e+04
593	92	0.0000e+00	-2.2056e+02	-1.3642e-12	5.2474e+03	1.1642e-10	-2.0235e+04
	104	0.0000e+00	2.2056e+02	1.3642e-12	-5.2474e+03	1.1642e-10	-1.2379e+04
594	104	-1.8190e-12	-9.1988e+01	4.5475e-13	6.0135e+03	5.8208e-11	-7.3040e+03
	467	1.8190e-12	9.1988e+01	-4.5475e-13	-6.0135e+03	0.0000e+00	-8.1722e+03
595	123	0.0000e+00	6.4481e+02	1.3642e-12	2.0776e+03	-2.9104e-11	5.9535e+04
	458	0.0000e+00	-6.4481e+02	-1.3642e-12	-2.0776e+03	-5.8208e-11	3.8580e+04
596	424	0.0000e+00	6.8279e+01	0.0000e+00	3.0433e+03	-1.4552e-11	1.8862e+04
	429	0.0000e+00	-6.8279e+01	0.0000e+00	-3.0433e+03	0.0000e+00	1.6575e+04
598	461	0.0000e+00	4.5062e+01	0.0000e+00	3.5069e+03	-1.4552e-11	1.2267e+04
	435	0.0000e+00	-4.5062e+01	0.0000e+00	-3.5069e+03	-2.9104e-11	1.1120e+04
599	459	0.0000e+00	1.6872e+02	0.0000e+00	-1.1118e+03	0.0000e+00	1.6782e+04
	461	0.0000e+00	-1.6872e+02	0.0000e+00	1.1118e+03	0.0000e+00	1.5865e+04
600	452	0.0000e+00	-2.1647e+01	-1.1369e-13	1.8742e+03	-2.9104e-11	-5.8969e+03
	449	0.0000e+00	2.1647e+01	1.1369e-13	-1.8742e+03	-2.9104e-11	-5.3380e+03
601	423	0.0000e+00	-1.2431e+01	5.4570e-12	-9.4636e+02	2.3283e-10	-2.1586e+03
	452	0.0000e+00	1.2431e+01	-5.4570e-12	9.4636e+02	0.0000e+00	-2.4680e+02
602	456	2.9104e-11	-5.8571e+02	-1.4211e-14	7.7917e+03	0.0000e+00	-1.2348e+05
	78	-2.9104e-11	5.8571e+02	1.4211e-14	-7.7917e+03	3.6380e-12	-1.9691e+05
603	85	2.9104e-11	-7.1782e+02	-2.8422e-14	5.6376e+03	-1.0914e-11	-2.1774e+05
	456	-2.9104e-11	7.1782e+02	2.8422e-14	-5.6376e+03	-2.1828e-11	-1.3686e+05
604	442	-2.9104e-11	4.9521e+02	2.8422e-14	7.7314e+03	0.0000e+00	7.3041e+04
	162	2.9104e-11	-4.9521e+02	-2.8422e-14	-7.7314e+03	3.6380e-12	1.9290e+05
605	169	0.0000e+00	5.9954e+02	-5.6843e-14	6.7191e+03	-7.2760e-12	2.1463e+05
	442	0.0000e+00	-5.9954e+02	5.6843e-14	-6.7191e+03	-1.4552e-11	8.7547e+04
606	420	0.0000e+00	2.4496e+02	0.0000e+00	-8.0583e+03	0.0000e+00	2.1322e+04
	419	0.0000e+00	-2.4496e+02	0.0000e+00	8.0583e+03	0.0000e+00	2.6078e+04
607	429	1.4552e-11	6.4122e+01	-5.6843e-14	3.3871e+03	-2.9104e-11	1.6165e+04
	420	-1.4552e-11	-6.4122e+01	5.6843e-14	-3.3871e+03	-1.4552e-11	1.9231e+04
608	436	5.8208e-11	1.7933e+02	0.0000e+00	-4.1766e+03	-4.6566e-10	1.6104e+04
	443	-5.8208e-11	-1.7933e+02	0.0000e+00	4.1766e+03	-4.6566e-10	1.8598e+04
609	435	0.0000e+00	4.6991e+01	5.6843e-14	2.5848e+03	0.0000e+00	1.2618e+04
	436	0.0000e+00	-4.6991e+01	-5.6843e-14	-2.5848e+03	0.0000e+00	1.3321e+04
610	431	0.0000e+00	1.1944e+02	0.0000e+00	-5.4372e+03	0.0000e+00	5.8123e+03
	417	0.0000e+00	-1.1944e+02	0.0000e+00	5.4372e+03	0.0000e+00	1.7299e+04
611	458	7.2760e-12	6.1686e+01	1.4211e-14	5.0882e+03	-7.2760e-12	1.0243e+04
	431	-7.2760e-12	-6.1686e+01	-1.4211e-14	-5.0882e+03	-7.2760e-12	2.3808e+04
612	440	-1.8190e-12	1.4787e+01	3.6380e-12	-4.1774e+03	2.3283e-10	1.3366e+03
	438	1.8190e-12	-1.4787e+01	-3.6380e-12	4.1774e+03	4.6566e-10	1.5247e+03
613	467	-1.3642e-12	8.3555e+00	-5.6843e-14	4.2199e+03	2.9104e-11	2.4795e+03
	440	1.3642e-12	-8.3555e+00	5.6843e-14	-4.2199e+03	7.2760e-12	2.1328e+03
614	422	0.0000e+00	-3.4916e+01	1.8190e-12	-1.0549e+03	0.0000e+00	-2.4146e+03
	448	0.0000e+00	3.4916e+01	-1.8190e-12	1.0549e+03	0.0000e+00	-4.3516e+03
615	449	0.0000e+00	-1.4807e+01	1.1369e-13	3.5955e+03	4.3656e-11	-3.8319e+03
	422	0.0000e+00	1.4807e+01	-1.1369e-13	-3.5955e+03	4.3656e-11	-4.3418e+03
616	426	5.8208e-11	-6.8883e+01	1.8190e-12	3.5884e+03	0.0000e+00	1.5793e+03
	433	-5.8208e-11	6.8883e+01	-1.8190e-12	-3.5884e+03	0.0000e+00	-1.4908e+04
617	445	2.9104e-11	-4.5333e+01	0.0000e+00	7.8203e+02	1.4552e-11	-1.3002e+04

	426	-2.9104e-11	4.5333e+01	0.0000e+00	-7.8203e+02	2.1828e-11	-1.2022e+04
618	416	0.0000e+00	-2.2501e+01	-1.8190e-12	1.0232e+04	-1.1642e-10	2.0863e+04
	434	0.0000e+00	2.2501e+01	1.8190e-12	-1.0232e+04	-1.1642e-10	-2.5217e+04
619	447	0.0000e+00	-8.5353e+01	-2.8422e-14	8.1218e+02	7.2760e-12	-2.3123e+04
	416	0.0000e+00	8.5353e+01	2.8422e-14	-8.1218e+02	7.2760e-12	-2.3992e+04
620	453	1.4552e-11	-1.1349e+02	-5.6843e-14	4.3582e+03	0.0000e+00	-3.3115e+04
	447	-1.4552e-11	1.1349e+02	5.6843e-14	-4.3582e+03	7.2760e-12	-2.5787e+04
621	468	0.0000e+00	-1.6779e+02	0.0000e+00	3.5753e+02	-2.3283e-10	-2.9449e+04
	453	0.0000e+00	1.6779e+02	0.0000e+00	-3.5753e+02	-1.1642e-10	-3.0663e+03
622	364	-2.7285e-12	-1.4985e+02	2.2737e-13	-1.9385e+04	5.8208e-11	-2.2916e+04
	363	2.7285e-12	1.4985e+02	-2.2737e-13	1.9385e+04	5.8208e-11	-2.4288e+04
623	382	-2.7285e-12	-1.0866e+02	2.2737e-13	4.1445e+03	5.8208e-11	-1.9554e+04
	364	2.7285e-12	1.0866e+02	-2.2737e-13	-4.1445e+03	0.0000e+00	-1.5000e+04
624	339	7.2760e-12	3.9149e+01	3.4106e-13	1.2003e+04	2.9104e-11	1.0652e+04
	382	-7.2760e-12	-3.9149e+01	-3.4106e-13	-1.2003e+04	1.4552e-11	1.7971e+03
625	334	-5.4570e-12	-2.6653e+02	1.1369e-13	-1.4613e+03	1.4552e-11	-3.7441e+04
	339	5.4570e-12	2.6653e+02	-1.1369e-13	1.4613e+03	1.8190e-11	-4.7316e+04
626	378	-3.6380e-12	-1.3627e+02	0.0000e+00	4.8372e+03	-7.2760e-12	-2.7933e+04
	334	3.6380e-12	1.3627e+02	0.0000e+00	-4.8372e+03	-1.4552e-11	-1.6356e+04
627	384	9.0949e-13	-1.3450e+02	1.1369e-13	7.6600e+02	1.4552e-11	-2.1465e+04
	378	-9.0949e-13	1.3450e+02	-1.1369e-13	-7.6600e+02	0.0000e+00	-2.1373e+04
628	362	-4.5475e-12	-1.2998e+02	0.0000e+00	1.0518e+04	5.8208e-11	-2.0325e+04
	384	4.5475e-12	1.2998e+02	0.0000e+00	-1.0518e+04	5.8208e-11	-2.0359e+04
629	347	1.3642e-12	-1.5630e+02	0.0000e+00	-3.7370e+03	1.1642e-10	-2.2554e+04
	362	-1.3642e-12	1.5630e+02	0.0000e+00	3.7370e+03	5.8208e-11	-2.6079e+04
630	338	0.0000e+00	-1.2208e+02	0.0000e+00	6.0757e+02	0.0000e+00	-1.8904e+04
	350	0.0000e+00	1.2208e+02	0.0000e+00	-6.0757e+02	-5.8208e-11	-1.9979e+04
631	88	2.9104e-11	-4.0650e+02	-9.0949e-13	2.6210e+03	0.0000e+00	-3.4992e+04
	338	-2.9104e-11	4.0650e+02	9.0949e-13	-2.6210e+03	-1.1642e-10	-3.3976e+04
632	356	0.0000e+00	1.4259e+00	-9.0949e-13	8.8679e+03	-1.1642e-10	-8.6462e+02
	166	0.0000e+00	-1.4259e+00	9.0949e-13	-8.8679e+03	-2.3283e-10	1.3214e+03
633	348	0.0000e+00	9.9027e+01	-4.5475e-13	3.6013e+03	2.3283e-10	1.5619e+04
	356	0.0000e+00	-9.9027e+01	4.5475e-13	-3.6013e+03	0.0000e+00	1.5872e+04
634	119	0.0000e+00	5.6263e+01	2.2737e-13	1.6482e+03	0.0000e+00	9.1115e+03
	348	0.0000e+00	-5.6263e+01	-2.2737e-13	-1.6482e+03	5.8208e-11	9.1934e+03
643	381	-1.4552e-11	-1.1425e+02	9.0949e-13	8.8925e+03	-1.1642e-10	-1.6723e+04
	128	1.4552e-11	1.1425e+02	-9.0949e-13	-8.8925e+03	-1.1642e-10	-1.9876e+04
644	376	0.0000e+00	-2.1082e+02	9.0949e-13	4.1648e+03	1.1642e-10	-3.3276e+04
	381	0.0000e+00	2.1082e+02	-9.0949e-13	-4.1648e+03	1.1642e-10	-3.3763e+04
645	373	-1.4552e-11	-2.0895e+02	0.0000e+00	4.6679e+03	0.0000e+00	-3.3193e+04
	376	1.4552e-11	2.0895e+02	0.0000e+00	-4.6679e+03	0.0000e+00	-3.3253e+04
646	361	-1.4552e-11	-2.1793e+02	0.0000e+00	1.6608e+03	-2.9104e-11	-3.4633e+04
	373	1.4552e-11	2.1793e+02	0.0000e+00	-1.6608e+03	-4.3656e-11	-3.4671e+04
647	375	1.4552e-11	-2.0694e+02	-1.1369e-13	2.9336e+03	0.0000e+00	-3.3931e+04
	361	-1.4552e-11	2.0694e+02	1.1369e-13	-2.9336e+03	0.0000e+00	-3.3324e+04
648	369	1.4552e-11	-1.0590e+02	-4.5475e-13	-1.7128e+03	0.0000e+00	-1.1966e+04
	375	-1.4552e-11	1.0590e+02	4.5475e-13	1.7128e+03	0.0000e+00	-2.1763e+04
649	388	0.0000e+00	-3.5506e+01	9.0949e-13	1.4702e+03	-1.1642e-10	-6.0371e+03
	369	0.0000e+00	3.5506e+01	-9.0949e-13	-1.4702e+03	1.1642e-10	-5.0762e+03
650	76	0.0000e+00	-6.7201e+01	-1.8190e-12	1.5615e+04	0.0000e+00	-1.6967e+04

	388	0.0000e+00	6.7201e+01	1.8190e-12	-1.5615e+04	0.0000e+00	-3.9570e+03
659	173	0.0000e+00	-7.7074e+01	0.0000e+00	1.8030e+03	0.0000e+00	-1.7475e+04
	362	0.0000e+00	7.7074e+01	0.0000e+00	-1.8030e+03	0.0000e+00	-2.2527e+04
660	353	0.0000e+00	-7.8290e+01	0.0000e+00	4.5473e+03	0.0000e+00	-1.7933e+04
	173	0.0000e+00	7.8290e+01	0.0000e+00	-4.5473e+03	0.0000e+00	2.7841e+03
661	355	0.0000e+00	9.1030e+02	9.0949e-13	-1.9218e+03	1.1642e-10	5.2180e+04
	119	0.0000e+00	-9.1030e+02	-9.0949e-13	1.9218e+03	1.1642e-10	1.1043e+05
662	113	0.0000e+00	-1.9682e+02	9.0949e-13	4.6396e+03	5.8208e-11	-1.1289e+04
	121	0.0000e+00	1.9682e+02	-9.0949e-13	-4.6396e+03	1.1642e-10	-1.7815e+04
663	102	0.0000e+00	-1.7615e+02	-4.5475e-13	4.2959e+03	0.0000e+00	-1.4878e+04
	113	0.0000e+00	1.7615e+02	4.5475e-13	-4.2959e+03	-1.4552e-11	-1.5597e+04
664	89	0.0000e+00	-3.0846e+02	-1.5916e-12	4.8736e+03	1.0186e-10	-2.6324e+04
	102	0.0000e+00	3.0846e+02	1.5916e-12	-4.8736e+03	1.1642e-10	-1.9287e+04
665	102	-3.6380e-12	-7.2175e+01	-4.5475e-13	4.9679e+03	-1.1642e-10	-5.5943e+03
	334	3.6380e-12	7.2175e+01	4.5475e-13	-4.9679e+03	-1.1642e-10	-6.5484e+03
666	121	-1.4552e-11	7.2046e+02	0.0000e+00	1.7272e+03	-5.8208e-11	6.2519e+04
	339	1.4552e-11	-7.2046e+02	0.0000e+00	-1.7272e+03	0.0000e+00	4.7108e+04
667	356	0.0000e+00	1.1799e+02	1.1369e-13	4.3439e+03	0.0000e+00	3.1129e+04
	364	0.0000e+00	-1.1799e+02	-1.1369e-13	-4.3439e+03	-2.9104e-11	3.0110e+04
668	367	0.0000e+00	4.1329e+02	0.0000e+00	-3.4375e+03	-2.3283e-10	4.1952e+04
	356	0.0000e+00	-4.1329e+02	0.0000e+00	3.4375e+03	-4.6566e-10	3.8020e+04
669	348	-2.1828e-11	6.8829e+01	-5.6843e-14	4.1160e+03	-7.2760e-12	1.7908e+04
	382	2.1828e-11	-6.8829e+01	5.6843e-14	-4.1160e+03	-1.4552e-11	1.7814e+04
670	349	0.0000e+00	3.0326e+02	0.0000e+00	-2.0176e+02	-2.3283e-10	2.9885e+04
	348	0.0000e+00	-3.0326e+02	0.0000e+00	2.0176e+02	-2.3283e-10	2.8795e+04
671	338	0.0000e+00	-3.6234e+01	-1.1369e-13	4.2604e+03	-1.4552e-11	-9.4389e+03
	378	0.0000e+00	3.6234e+01	1.1369e-13	-4.2604e+03	0.0000e+00	-9.3666e+03
672	368	0.0000e+00	-5.4697e+01	-3.6380e-12	-3.9523e+02	0.0000e+00	-6.2261e+03
	338	0.0000e+00	5.4697e+01	3.6380e-12	3.9523e+02	4.6566e-10	-4.3579e+03
673	347	0.0000e+00	-8.0822e+02	0.0000e+00	1.0060e+04	3.6380e-12	-1.9615e+05
	76	0.0000e+00	8.0822e+02	0.0000e+00	-1.0060e+04	1.8190e-12	-2.4595e+05
674	83	0.0000e+00	-9.9084e+02	-5.6843e-14	7.0652e+03	-1.0914e-11	-2.7199e+05
	347	0.0000e+00	9.9084e+02	5.6843e-14	-7.0652e+03	-1.4552e-11	-2.1749e+05
675	363	0.0000e+00	6.7230e+02	1.4211e-14	9.4357e+03	-3.6380e-12	1.2975e+05
	128	0.0000e+00	-6.7230e+02	-1.4211e-14	-9.4357e+03	-5.4570e-12	2.3129e+05
676	166	2.9104e-11	8.0628e+02	-2.8422e-14	8.0467e+03	-7.2760e-12	2.5726e+05
	363	-2.9104e-11	-8.0628e+02	2.8422e-14	-8.0467e+03	0.0000e+00	1.4913e+05
677	381	0.0000e+00	3.9791e+02	0.0000e+00	-6.2760e+03	-4.6566e-10	3.6571e+04
	380	0.0000e+00	-3.9791e+02	0.0000e+00	6.2760e+03	-4.6566e-10	4.0425e+04
678	364	1.4552e-11	1.0297e+02	-5.6843e-14	5.1294e+03	1.4552e-11	2.7954e+04
	381	-1.4552e-11	-1.0297e+02	5.6843e-14	-5.1294e+03	2.1828e-11	2.8884e+04
679	376	0.0000e+00	3.0749e+02	0.0000e+00	-3.5522e+03	0.0000e+00	2.8344e+04
	370	0.0000e+00	-3.0749e+02	0.0000e+00	3.5522e+03	0.0000e+00	3.1155e+04
680	382	0.0000e+00	8.5503e+01	-1.1369e-13	5.4848e+03	2.9104e-11	2.3835e+04
	376	0.0000e+00	-8.5503e+01	1.1369e-13	-5.4848e+03	5.8208e-11	2.3362e+04
681	373	0.0000e+00	1.4872e+02	0.0000e+00	-3.3606e+03	0.0000e+00	1.1661e+04
	383	0.0000e+00	-1.4872e+02	0.0000e+00	3.3606e+03	1.1642e-10	1.7115e+04
682	339	7.2760e-12	1.2500e+02	0.0000e+00	7.4825e+03	-7.2760e-12	2.9297e+04
	373	-7.2760e-12	-1.2500e+02	0.0000e+00	-7.4825e+03	-7.2760e-12	3.9705e+04
683	361	-1.3642e-12	3.7785e+01	-1.8190e-12	-3.5006e+03	2.3283e-10	3.3521e+03

	371	1.3642e-12	-3.7785e+01	1.8190e-12	3.5006e+03	1.1642e-10	3.9593e+03
684	334	1.2506e-12	1.2252e+01	5.6843e-14	7.3147e+03	-5.8208e-11	3.5043e+03
	361	-1.2506e-12	-1.2252e+01	-5.6843e-14	-7.3147e+03	-7.2760e-11	3.2587e+03
685	375	0.0000e+00	-6.7126e+01	0.0000e+00	3.3669e+02	0.0000e+00	-5.5429e+03
	354	0.0000e+00	6.7126e+01	0.0000e+00	-3.3669e+02	0.0000e+00	-7.4652e+03
686	378	0.0000e+00	-2.7327e+01	-1.1369e-13	6.4859e+03	-2.9104e-11	-7.4580e+03
	375	0.0000e+00	2.7327e+01	1.1369e-13	-6.4859e+03	-1.4552e-11	-7.6267e+03
687	388	0.0000e+00	-1.0751e+02	0.0000e+00	1.2033e+04	-4.6566e-10	3.5395e+03
	386	0.0000e+00	1.0751e+02	0.0000e+00	-1.2033e+04	-2.3283e-10	-2.4342e+04
688	362	0.0000e+00	-7.5813e+01	-5.6843e-14	1.2909e+03	-8.7311e-11	-2.4373e+04
	388	0.0000e+00	7.5813e+01	5.6843e-14	-1.2909e+03	-8.7311e-11	-1.7476e+04
689	369	0.0000e+00	-5.8896e+01	9.0949e-13	1.7908e+04	-5.8208e-11	2.7967e+04
	385	0.0000e+00	5.8896e+01	-9.0949e-13	-1.7908e+04	0.0000e+00	-3.9363e+04
690	384	0.0000e+00	-1.2929e+02	0.0000e+00	8.6604e+02	1.4552e-11	-4.0217e+04
	369	0.0000e+00	1.2929e+02	0.0000e+00	-8.6604e+02	9.0949e-12	-3.1150e+04
691	350	0.0000e+00	-1.7841e+02	0.0000e+00	5.8293e+03	0.0000e+00	-4.6775e+04
	384	0.0000e+00	1.7841e+02	0.0000e+00	-5.8293e+03	7.2760e-12	-4.5820e+04
692	352	0.0000e+00	-3.9662e+02	0.0000e+00	2.5702e+03	0.0000e+00	-5.2623e+04
	350	0.0000e+00	3.9662e+02	0.0000e+00	-2.5702e+03	1.1642e-10	-2.4236e+04
693	172	-4.5475e-13	-9.5276e+00	0.0000e+00	1.5983e+03	0.0000e+00	-1.0911e+03
	141	4.5475e-13	9.5276e+00	0.0000e+00	-1.5983e+03	0.0000e+00	-3.8537e+03
694	130	9.0949e-13	1.5668e+01	-2.2737e-13	4.1384e+03	-7.2760e-12	5.9508e+02
	172	-9.0949e-13	-1.5668e+01	2.2737e-13	-4.1384e+03	0.0000e+00	2.4367e+03
695	171	4.0046e+01	-8.3127e+00	-3.9410e+01	-5.7248e+02	7.0385e+03	-1.0119e+03
	172	-4.0046e+01	8.3127e+00	3.9410e+01	5.7248e+02	5.9668e+03	-1.7313e+03
696	134	0.0000e+00	2.3744e+02	1.1369e-13	1.2060e+03	-1.4552e-11	1.1937e+04
	503	0.0000e+00	-2.3744e+02	-1.1369e-13	-1.2060e+03	-4.3656e-11	3.0478e+04
697	496	-4.5475e-13	-1.3820e+02	-1.4211e-14	1.9739e+03	0.0000e+00	-7.0184e+03
	504	4.5475e-13	1.3820e+02	1.4211e-14	-1.9739e+03	-1.8190e-12	-1.3417e+04
698	494	-4.5475e-13	-8.7154e+01	6.0396e-14	1.4156e+03	-1.3642e-12	-7.5500e+03
	496	4.5475e-13	8.7154e+01	-6.0396e-14	-1.4156e+03	3.0695e-12	-7.5277e+03
699	493	0.0000e+00	-1.9833e+02	2.1316e-14	1.2268e+03	7.9581e-13	-1.7464e+04
	494	0.0000e+00	1.9833e+02	-2.1316e-14	-1.2268e+03	2.2737e-12	-1.1862e+04
700	494	5.8975e-13	1.0072e+02	1.4211e-14	4.3565e+03	-9.0949e-13	1.0408e+04
	144	-5.8975e-13	-1.0072e+02	-1.4211e-14	-4.3565e+03	0.0000e+00	6.5369e+03
701	504	4.5475e-13	5.8385e+02	0.0000e+00	9.8195e+02	0.0000e+00	5.0402e+04
	145	-4.5475e-13	-5.8385e+02	0.0000e+00	-9.8195e+02	0.0000e+00	3.8437e+04
702	137	0.0000e+00	8.3898e+01	2.1316e-14	2.9417e+03	0.0000e+00	2.2223e+04
	147	0.0000e+00	-8.3898e+01	-2.1316e-14	-2.9417e+03	1.8190e-12	2.1320e+04
703	136	-2.7285e-12	1.0450e+02	-1.1369e-13	-6.8785e+02	-7.2760e-12	6.8125e+03
	137	2.7285e-12	-1.0450e+02	1.1369e-13	6.8785e+02	0.0000e+00	1.3408e+04
704	138	-1.8190e-12	5.1046e+01	0.0000e+00	2.6831e+03	0.0000e+00	1.3562e+04
	146	1.8190e-12	-5.1046e+01	0.0000e+00	-2.6831e+03	0.0000e+00	1.2931e+04
705	135	1.8190e-12	9.8421e+01	-2.2737e-13	6.3824e+02	0.0000e+00	6.7831e+03
	138	-1.8190e-12	-9.8421e+01	2.2737e-13	-6.3824e+02	0.0000e+00	1.2261e+04
706	140	4.5475e-13	-1.6092e+00	0.0000e+00	1.4659e+03	0.0000e+00	-7.6238e+02
	143	-4.5475e-13	1.6092e+00	0.0000e+00	-1.4659e+03	0.0000e+00	-7.2820e+01
707	132	-2.2737e-12	1.1272e+02	0.0000e+00	2.3178e+03	0.0000e+00	1.0663e+04
	140	2.2737e-12	-1.1272e+02	0.0000e+00	-2.3178e+03	0.0000e+00	1.1148e+04
708	161	0.0000e+00	-3.1996e+01	9.1593e-16	-1.3413e+03	-3.1264e-13	-7.7728e+03

	482	0.0000e+00	3.1996e+01	-9.1593e-16	1.3413e+03	-3.4106e-13	-9.7288e+03
709	579	0.0000e+00	-1.8598e+02	1.1369e-13	9.4789e+02	0.0000e+00	-2.2200e+03
	161	0.0000e+00	1.8598e+02	-1.1369e-13	-9.4789e+02	0.0000e+00	-1.2121e+04
710	25	-3.6380e-12	2.2505e+03	0.0000e+00	-6.1213e+03	0.0000e+00	8.3246e+04
	479	3.6380e-12	-2.2505e+03	0.0000e+00	6.1213e+03	0.0000e+00	1.4968e+05
711	148	-4.5475e-13	1.0048e+02	1.2768e-15	2.0944e+03	-2.8422e-13	2.4885e+04
	474	4.5475e-13	-1.0048e+02	-1.2768e-15	-2.0944e+03	-3.6948e-13	2.9075e+04
712	478	0.0000e+00	1.2375e+02	1.7764e-15	1.8225e+03	0.0000e+00	3.3430e+04
	148	0.0000e+00	-1.2375e+02	-1.7764e-15	-1.8225e+03	0.0000e+00	2.8943e+04
713	156	0.0000e+00	9.3819e+01	5.6843e-14	-1.4279e+03	-7.2760e-12	1.2229e+04
	160	0.0000e+00	-9.3819e+01	-5.6843e-14	1.4279e+03	0.0000e+00	5.9250e+03
714	147	4.5475e-13	7.1196e+01	-3.1086e-15	2.3198e+03	0.0000e+00	1.9161e+04
	156	-4.5475e-13	-7.1196e+01	3.1086e-15	-2.3198e+03	2.2737e-13	2.0139e+04
715	155	-1.8190e-12	1.0666e+02	0.0000e+00	1.9813e+02	0.0000e+00	1.2699e+04
	159	1.8190e-12	-1.0666e+02	0.0000e+00	-1.9813e+02	-7.2760e-12	7.9399e+03
716	146	6.8212e-13	5.7174e+01	1.3323e-15	2.1849e+03	-1.3642e-12	1.5732e+04
	155	-6.8212e-13	-5.7174e+01	-1.3323e-15	-2.1849e+03	-6.8212e-13	1.5828e+04
717	154	-9.0949e-13	1.1709e+02	-5.6843e-14	1.0876e+02	1.4552e-11	1.3150e+04
	158	9.0949e-13	-1.1709e+02	5.6843e-14	-1.0876e+02	-7.2760e-12	9.5062e+03
718	145	3.4106e-13	3.8339e+01	1.7764e-15	2.3129e+03	-4.5475e-13	9.1859e+03
	154	-3.4106e-13	-3.8339e+01	-1.7764e-15	-2.3129e+03	0.0000e+00	1.1977e+04
719	153	4.8317e-13	9.4909e+01	5.6843e-14	1.1929e+02	0.0000e+00	9.9427e+03
	157	-4.8317e-13	-9.4909e+01	-5.6843e-14	-1.1929e+02	0.0000e+00	8.4221e+03
720	144	-1.3856e-13	2.4555e+01	-5.3291e-15	2.3818e+03	4.5475e-13	6.8193e+03
	153	1.3856e-13	-2.4555e+01	5.3291e-15	-2.3818e+03	9.0949e-13	6.7350e+03
721	151	1.8190e-12	9.8130e+01	5.6843e-14	2.9663e+03	7.2760e-12	9.6971e+03
	152	-1.8190e-12	-9.8130e+01	-5.6843e-14	-2.9663e+03	7.2760e-12	9.3189e+03
722	143	-2.2737e-13	4.6479e+00	2.2204e-15	2.2713e+03	-1.3642e-12	1.6897e+03
	151	2.2737e-13	-4.6479e+00	-2.2204e-15	-2.2713e+03	-4.5475e-13	8.7587e+02
723	194	-1.8190e-12	3.8192e+01	-5.6843e-14	6.8679e+03	7.2760e-12	5.6356e+03
	149	1.8190e-12	-3.8192e+01	5.6843e-14	-6.8679e+03	0.0000e+00	1.7546e+03
724	141	0.0000e+00	-8.8719e+00	-3.5527e-15	9.8102e+02	3.1832e-12	-3.4980e+03
	194	0.0000e+00	8.8719e+00	3.5527e-15	-9.8102e+02	2.5011e-12	-1.3992e+03
725	195	9.0949e-13	3.8928e+01	0.0000e+00	8.6714e+03	1.4552e-11	5.7969e+03
	150	-9.0949e-13	-3.8928e+01	0.0000e+00	-8.6714e+03	7.2760e-12	1.7356e+03
726	142	4.5475e-13	1.5991e+00	-1.5543e-15	1.0716e+02	1.3642e-12	-4.1634e+02
	195	-4.5475e-13	-1.5991e+00	1.5543e-15	-1.0716e+02	1.3642e-12	1.2991e+03
727	139	0.0000e+00	-1.6070e+01	7.1054e-15	2.3418e+03	-3.6380e-12	-4.2813e+03
	142	0.0000e+00	1.6070e+01	-7.1054e-15	-2.3418e+03	-1.8190e-12	-4.0589e+03
728	131	-9.0949e-13	5.0039e+01	0.0000e+00	1.8978e+03	0.0000e+00	6.2028e+03
	139	9.0949e-13	-5.0039e+01	0.0000e+00	-1.8978e+03	0.0000e+00	3.4939e+03
729	147	-1.1369e-13	-1.4870e+01	2.8422e-14	2.2506e+03	-3.6380e-12	-2.4333e+03
	148	1.1369e-13	1.4870e+01	-2.8422e-14	-2.2506e+03	-9.0949e-12	-2.2506e+03
730	146	0.0000e+00	1.5137e+00	0.0000e+00	9.1353e+02	0.0000e+00	3.1706e+02
	147	0.0000e+00	-1.5137e+00	0.0000e+00	-9.1353e+02	0.0000e+00	1.6429e+02
731	145	0.0000e+00	2.2128e+01	-7.1054e-15	2.9337e+03	0.0000e+00	3.6232e+03
	146	0.0000e+00	-2.2128e+01	7.1054e-15	-2.9337e+03	3.6380e-12	3.4136e+03
732	144	-1.1369e-13	-6.0779e+01	5.3291e-15	-1.0353e+03	4.5475e-13	-9.6070e+03
	145	1.1369e-13	6.0779e+01	-5.3291e-15	1.0353e+03	1.1369e-12	-9.7207e+03
733	143	1.1369e-13	-4.1612e+01	-7.1054e-15	4.3471e+02	1.1369e-12	-6.8973e+03

	144	-1.1369e-13	4.1612e+01	7.1054e-15	-4.3471e+02	-9.0949e-13	-6.6267e+03
734	142	0.0000e+00	-1.7714e+01	-7.1054e-15	1.2919e+03	-9.0949e-13	-2.8100e+03
	143	0.0000e+00	1.7714e+01	7.1054e-15	-1.2919e+03	-9.0949e-13	-2.8318e+03
735	141	1.1369e-13	-1.8839e+01	-2.8422e-14	8.4103e+02	1.8190e-12	-3.0133e+03
	142	-1.1369e-13	1.8839e+01	2.8422e-14	-8.4103e+02	-1.8190e-12	-2.8834e+03
736	161	1.1369e-13	-2.2406e+01	0.0000e+00	-1.1441e+02	0.0000e+00	-3.3403e+03
	141	-1.1369e-13	2.2406e+01	0.0000e+00	1.1441e+02	0.0000e+00	-3.6316e+03
737	140	0.0000e+00	-4.0545e+01	0.0000e+00	9.7705e+02	9.0949e-13	-5.8807e+03
	139	0.0000e+00	4.0545e+01	0.0000e+00	-9.7705e+02	9.0949e-13	-7.0330e+03
738	492	0.0000e+00	-3.6971e+02	-2.8422e-14	7.0769e+02	-1.8190e-12	-3.4616e+04
	140	0.0000e+00	3.6971e+02	2.8422e-14	-7.0769e+02	-1.8190e-12	-2.8109e+04
739	137	0.0000e+00	-4.0931e+01	-1.4211e-14	6.7804e+03	-7.2760e-12	-7.5169e+03
	478	0.0000e+00	4.0931e+01	1.4211e-14	-6.7804e+03	-1.8190e-12	-5.5953e+03
740	138	4.5475e-13	2.6370e+01	-1.4211e-14	1.0965e+03	-3.6380e-12	4.1020e+03
	137	-4.5475e-13	-2.6370e+01	1.4211e-14	-1.0965e+03	-3.6380e-12	4.2836e+03
741	503	-4.5475e-13	-6.8186e+00	7.1054e-15	-1.5834e+03	0.0000e+00	-1.6814e+03
	138	4.5475e-13	6.8186e+00	-7.1054e-15	1.5834e+03	0.0000e+00	-5.3701e+02
742	136	4.5475e-13	9.8856e+01	4.2633e-14	8.3759e+03	3.6380e-12	1.5345e+04
	479	-4.5475e-13	-9.8856e+01	-4.2633e-14	-8.3759e+03	-1.8190e-12	1.6324e+04
743	135	0.0000e+00	4.0990e+01	-1.4211e-14	7.7511e+02	-3.6380e-12	6.8056e+03
	136	0.0000e+00	-4.0990e+01	1.4211e-14	-7.7511e+02	0.0000e+00	6.2292e+03
744	134	0.0000e+00	1.8784e+01	0.0000e+00	1.7445e+03	7.2760e-12	2.6268e+03
	135	0.0000e+00	-1.8784e+01	0.0000e+00	-1.7445e+03	1.8190e-12	3.3466e+03
745	133	4.5475e-13	5.8549e+01	5.3291e-15	-8.5281e+02	-1.8190e-12	9.4543e+03
	134	-4.5475e-13	-5.8549e+01	-5.3291e-15	8.5281e+02	-4.5475e-13	9.1642e+03
746	132	0.0000e+00	4.4611e+01	-5.3291e-15	8.8676e+02	-1.1369e-12	7.1823e+03
	133	0.0000e+00	-4.4611e+01	5.3291e-15	-8.8676e+02	-9.0949e-13	7.3163e+03
747	131	9.0949e-13	5.6436e+01	-7.1054e-15	9.5659e+01	0.0000e+00	9.7563e+03
	132	-9.0949e-13	-5.6436e+01	7.1054e-15	-9.5659e+01	-1.8190e-12	8.8111e+03
748	130	0.0000e+00	6.2719e+01	0.0000e+00	8.6952e+01	0.0000e+00	9.5535e+03
	131	0.0000e+00	-6.2719e+01	0.0000e+00	-8.6952e+01	1.8190e-12	9.4190e+03
749	488	-4.5475e-13	5.9688e+01	2.8422e-14	3.3952e+03	-1.8190e-12	9.0382e+03
	130	4.5475e-13	-5.9688e+01	-2.8422e-14	-3.3952e+03	-3.6380e-12	9.5464e+03
750	156	-2.2737e-13	-1.6909e+01	1.4211e-14	6.6242e+03	-3.6380e-12	-1.0512e+03
	474	2.2737e-13	1.6909e+01	-1.4211e-14	-6.6242e+03	-3.6380e-12	-4.3656e+03
751	155	-2.2737e-13	-7.0110e+01	1.4211e-14	1.5467e+03	3.6380e-12	-1.0978e+04
	156	2.2737e-13	7.0110e+01	-1.4211e-14	-1.5467e+03	-1.8190e-12	-1.1317e+04
752	154	0.0000e+00	-6.9540e+01	1.4211e-14	9.9804e+02	-2.7285e-12	-1.1040e+04
	155	0.0000e+00	6.9540e+01	-1.4211e-14	-9.9804e+02	9.0949e-13	-1.1074e+04
753	153	2.2737e-13	-7.5826e+01	0.0000e+00	1.0293e+03	-2.2737e-12	-1.2047e+04
	154	-2.2737e-13	7.5826e+01	0.0000e+00	-1.0293e+03	-9.0949e-13	-1.2066e+04
754	151	1.1369e-13	-7.0159e+01	-1.0658e-14	9.4723e+02	2.2737e-13	-1.1462e+04
	153	-1.1369e-13	7.0159e+01	1.0658e-14	-9.4723e+02	9.0949e-13	-1.1340e+04
755	195	2.2737e-13	-5.6664e+01	0.0000e+00	-5.2113e+02	-9.0949e-13	-7.5273e+03
	151	-2.2737e-13	5.6664e+01	0.0000e+00	5.2113e+02	-1.8190e-12	-1.0520e+04
756	194	-2.2737e-13	-3.2772e+01	0.0000e+00	5.6137e+02	-1.8190e-12	-5.8041e+03
	195	2.2737e-13	3.2772e+01	0.0000e+00	-5.6137e+02	-1.8190e-12	-4.4536e+03
757	482	2.2737e-13	9.1208e+01	-4.2633e-14	4.4722e+03	0.0000e+00	1.7429e+04
	194	-2.2737e-13	-9.1208e+01	4.2633e-14	-4.4722e+03	0.0000e+00	1.0970e+04
758	160	0.0000e+00	-1.3960e+02	2.8422e-14	7.4135e+03	1.8190e-12	-2.0969e+04

	475	0.0000e+00	1.3960e+02	-2.8422e-14	-7.4135e+03	0.0000e+00	-2.3750e+04
759	159	2.2737e-13	-8.0532e+01	0.0000e+00	9.8127e+02	0.0000e+00	-1.3005e+04
	160	-2.2737e-13	8.0532e+01	0.0000e+00	-9.8127e+02	9.0949e-13	-1.2604e+04
760	158	0.0000e+00	-7.8296e+01	3.5527e-15	6.0786e+02	-2.7285e-12	-1.2414e+04
	159	0.0000e+00	7.8296e+01	-3.5527e-15	-6.0786e+02	-2.2737e-12	-1.2484e+04
761	157	0.0000e+00	-7.7897e+01	-3.5527e-15	4.1937e+02	2.2737e-13	-1.2379e+04
	158	0.0000e+00	7.7897e+01	3.5527e-15	-4.1937e+02	0.0000e+00	-1.2392e+04
762	152	-2.2737e-13	-7.9676e+01	-8.8818e-15	5.8786e+02	-1.3642e-12	-1.4001e+04
	157	2.2737e-13	7.9676e+01	8.8818e-15	-5.8786e+02	2.2737e-12	-1.2730e+04
763	150	0.0000e+00	-9.7200e+01	-7.1054e-15	3.0943e+02	2.7285e-12	-1.4857e+04
	152	0.0000e+00	9.7200e+01	7.1054e-15	-3.0943e+02	0.0000e+00	-1.5080e+04
764	149	2.2737e-13	-1.0211e+02	1.4211e-14	4.3662e+02	-3.6380e-12	-1.6190e+04
	150	-2.2737e-13	1.0211e+02	-1.4211e-14	-4.3662e+02	-3.6380e-12	-1.5769e+04
765	483	0.0000e+00	-5.1747e+01	1.4211e-14	4.6106e+02	-3.6380e-12	-6.9442e+03
	149	0.0000e+00	5.1747e+01	-1.4211e-14	-4.6106e+02	-3.6380e-12	-9.1678e+03
806	352	-1.6076e+02	3.7450e+02	1.4082e+02	-6.5414e+03	-2.1737e+04	5.4697e+04
	468	1.6076e+02	-3.7450e+02	-1.4082e+02	6.5414e+03	-2.3324e+04	6.5143e+04
807	334	-4.3668e+01	-1.5915e+02	-1.1448e+01	-4.5549e+03	1.7813e+03	-2.4205e+04
	467	4.3668e+01	1.5915e+02	1.1448e+01	4.5549e+03	1.8820e+03	-2.6723e+04
808	348	-7.6404e+01	1.2389e+02	-1.5323e+02	-6.5414e+03	2.2563e+04	1.7550e+04
	461	7.6404e+01	-1.2389e+02	1.5323e+02	6.5414e+03	2.6470e+04	2.2095e+04
809	349	2.4604e+02	2.3985e+02	-1.0859e+02	-4.5549e+03	1.5745e+04	3.6389e+04
	459	-2.4604e+02	-2.3985e+02	1.0859e+02	4.5549e+03	1.9002e+04	4.0364e+04
810	339	-3.0355e+02	-7.8817e+01	-2.0952e+02	-4.5549e+03	3.2067e+04	-1.2022e+04
	458	3.0355e+02	7.8817e+01	2.0952e+02	4.5549e+03	3.4979e+04	-1.3200e+04
811	347	5.6609e+01	-5.2502e+01	1.4554e+03	-6.5414e+03	-2.1265e+05	-8.1159e+03
	456	-5.6609e+01	5.2502e+01	-1.4554e+03	6.5414e+03	-2.5307e+05	-8.6845e+03
812	350	1.3383e+02	1.2554e+02	2.1826e+02	-6.5414e+03	-3.4340e+04	1.7275e+04
	453	-1.3383e+02	-1.2554e+02	-2.1826e+02	6.5414e+03	-3.5503e+04	2.2899e+04
813	338	2.2618e+02	2.3615e+02	5.8855e+01	-6.5414e+03	-8.9509e+03	3.3397e+04
	452	-2.2618e+02	-2.3615e+02	-5.8855e+01	6.5414e+03	-9.8825e+03	4.2172e+04
814	378	2.1266e+01	-1.3228e+02	7.3256e+01	-6.5414e+03	-1.0616e+04	-1.9603e+04
	449	-2.1266e+01	1.3228e+02	-7.3256e+01	6.5414e+03	-1.2826e+04	-2.2726e+04
815	354	9.2641e+01	-5.4574e+02	3.0025e+01	-6.5414e+03	-4.1688e+03	-7.7408e+04
	448	-9.2641e+01	5.4574e+02	-3.0025e+01	6.5414e+03	-5.4391e+03	-9.7228e+04
816	384	2.3774e+01	-1.3051e+02	2.5162e+02	-6.5414e+03	-3.8280e+04	-1.9351e+04
	447	-2.3774e+01	1.3051e+02	-2.5162e+02	6.5414e+03	-4.2239e+04	-2.2412e+04
817	362	2.9038e+01	-1.2969e+02	2.3361e+02	-6.5414e+03	-3.2564e+04	-1.9291e+04
	445	-2.9038e+01	1.2969e+02	-2.3361e+02	6.5414e+03	-4.2192e+04	-2.2210e+04
818	366	1.0289e+02	3.2361e+02	-1.5197e+01	-4.5549e+03	2.0569e+03	4.8479e+04
	444	-1.0289e+02	-3.2361e+02	1.5197e+01	4.5549e+03	2.8063e+03	5.5076e+04
819	370	-1.6682e+02	-4.2240e+02	-1.0220e+02	-4.5549e+03	1.4762e+04	-6.2976e+04
	443	1.6682e+02	4.2240e+02	1.0220e+02	4.5549e+03	1.7942e+04	-7.2191e+04
820	363	-2.8609e+01	-6.3270e+01	-8.4840e+02	-5.5431e+03	1.3076e+05	-8.8794e+03
	442	2.8609e+01	6.3270e+01	8.4840e+02	5.5431e+03	1.4073e+05	-1.1367e+04
821	367	5.1987e+02	3.5987e+02	-1.3223e+02	-4.5549e+03	1.7909e+04	5.4250e+04
	441	-5.1987e+02	-3.5987e+02	1.3223e+02	4.5549e+03	2.4404e+04	6.0907e+04
822	361	3.3612e+00	-2.8644e+02	-2.7739e+01	-6.5414e+03	4.1669e+03	-3.7566e+04
	440	-3.3612e+00	2.8644e+02	2.7739e+01	6.5414e+03	4.7094e+03	-5.4097e+04
823	355	4.7052e+02	2.7123e+02	-1.3625e+02	-4.5549e+03	2.1535e+04	4.0770e+04

	439	-4.7052e+02	-2.7123e+02	1.3625e+02	4.5549e+03	2.2066e+04	4.6024e+04
824	371	1.1751e+01	-4.2893e+02	-1.6643e+01	-4.5549e+03	2.2866e+03	-6.3785e+04
	438	-1.1751e+01	4.2893e+02	1.6643e+01	4.5549e+03	3.0391e+03	-7.3474e+04
825	376	1.2539e+02	-2.7234e+02	-1.7402e+02	-6.5414e+03	2.6006e+04	-3.5679e+04
	436	-1.2539e+02	2.7234e+02	1.7402e+02	6.5414e+03	2.9680e+04	-5.1469e+04
826	382	-1.4363e+02	-2.4336e+01	-1.8227e+02	-6.5414e+03	2.5869e+04	-3.2766e+03
	435	1.4363e+02	2.4336e+01	1.8227e+02	6.5414e+03	3.2458e+04	-4.5110e+03
827	385	1.6323e+01	-6.2157e+02	1.1644e+02	-6.5414e+03	-1.7231e+04	-8.9302e+04
	434	-1.6323e+01	6.2157e+02	-1.1644e+02	6.5414e+03	-2.0030e+04	-1.0960e+05
828	386	2.6537e+02	-7.1890e+02	5.7993e+01	-6.5414e+03	-7.9044e+03	-1.0345e+05
	433	-2.6537e+02	7.1890e+02	-5.7993e+01	6.5414e+03	-1.0653e+04	-1.2660e+05
829	353	-2.8754e+02	5.1888e+02	5.2065e+01	-6.5414e+03	-6.5944e+03	7.5805e+04
	432	2.8754e+02	-5.1888e+02	-5.2065e+01	6.5414e+03	-1.0066e+04	9.0235e+04
830	373	6.5141e+01	-2.9066e+02	-1.5921e+02	-6.5414e+03	2.4389e+04	-3.7837e+04
	431	-6.5141e+01	2.9066e+02	1.5921e+02	6.5414e+03	2.6556e+04	-5.5174e+04
831	364	-2.2411e+01	-9.8348e+01	-3.0089e+02	-6.5414e+03	4.2814e+04	-1.4340e+04
	429	2.2411e+01	9.8348e+01	3.0089e+02	6.5414e+03	5.3472e+04	-1.7131e+04
832	356	-3.5978e+02	1.0926e+02	-2.2556e+02	-6.5414e+03	3.2483e+04	1.4940e+04
	424	3.5978e+02	-1.0926e+02	2.2556e+02	6.5414e+03	3.9697e+04	2.0022e+04
833	368	-7.9643e+01	2.9724e+02	2.3503e+01	-4.5549e+03	-3.5566e+03	4.4717e+04
	423	7.9643e+01	-2.9724e+02	-2.3503e+01	4.5549e+03	-3.9645e+03	5.0399e+04
834	375	-8.8638e+01	-2.2426e+02	5.7272e+01	-6.5414e+03	-8.5694e+03	-2.8434e+04
	422	8.8638e+01	2.2426e+02	-5.7272e+01	6.5414e+03	-9.7576e+03	-4.3329e+04
835	381	2.6318e+02	-2.2583e+02	-2.0340e+02	-6.5414e+03	3.0213e+04	-2.8751e+04
	420	-2.6318e+02	2.2583e+02	2.0340e+02	6.5414e+03	3.4874e+04	-4.3514e+04
836	380	-4.5114e+02	-5.0621e+02	-1.0265e+02	-4.5549e+03	1.4902e+04	-7.5600e+04
	419	4.5114e+02	5.0621e+02	1.0265e+02	4.5549e+03	1.7945e+04	-8.6387e+04
837	383	-1.2119e+02	-4.1585e+02	-7.5510e+01	-4.5549e+03	9.8938e+03	-6.2078e+04
	417	1.2119e+02	4.1585e+02	7.5510e+01	4.5549e+03	1.4269e+04	-7.0995e+04
838	323	6.0459e+02	-6.5555e+02	6.2481e+01	-6.9204e+03	-9.9167e+03	-1.0499e+05
	386	-6.0459e+02	6.5555e+02	-6.2481e+01	6.9204e+03	-1.0077e+04	-1.0479e+05
839	329	7.4735e+01	-5.7810e+02	1.1192e+02	-6.9204e+03	-1.7922e+04	-9.2291e+04
	385	-7.4735e+01	5.7810e+02	-1.1192e+02	6.9204e+03	-1.7893e+04	-9.2702e+04
840	333	6.8377e+01	-1.6809e+02	2.3822e+02	-6.9204e+03	-3.8226e+04	-2.6351e+04
	384	-6.8377e+01	1.6809e+02	-2.3822e+02	6.9204e+03	-3.8005e+04	-2.7436e+04
841	331	-2.6857e+02	-4.0614e+02	-5.0316e+01	-4.8188e+03	8.4010e+03	-6.4858e+04
	383	2.6857e+02	4.0614e+02	5.0316e+01	4.8188e+03	7.7001e+03	-6.5106e+04
842	325	-2.7476e+02	-7.8810e+01	-1.5024e+02	-6.9204e+03	2.4437e+04	-1.2108e+04
	382	2.7476e+02	7.8810e+01	1.5024e+02	6.9204e+03	2.3639e+04	-1.3112e+04
843	318	6.5470e+02	-2.0505e+02	-1.9746e+02	-6.9204e+03	3.1882e+04	-3.2077e+04
	381	-6.5470e+02	2.0505e+02	1.9746e+02	6.9204e+03	3.1307e+04	-3.3539e+04
844	317	-1.0874e+03	-4.8665e+02	-1.0497e+02	-4.8188e+03	1.7067e+04	-7.8130e+04
	380	1.0874e+03	4.8665e+02	1.0497e+02	4.8188e+03	1.6523e+04	-7.7598e+04
845	332	2.8398e+01	-1.6781e+02	6.4686e+01	-6.9204e+03	-1.0419e+04	-2.6222e+04
	378	-2.8398e+01	1.6781e+02	-6.4686e+01	6.9204e+03	-1.0280e+04	-2.7477e+04
846	322	3.4551e+02	-2.4596e+02	-1.6498e+02	-6.9204e+03	2.6591e+04	-3.8821e+04
	376	-3.4551e+02	2.4596e+02	1.6498e+02	6.9204e+03	2.6203e+04	-3.9887e+04
847	328	-2.2948e+02	-2.0240e+02	5.8046e+01	-6.9204e+03	-9.3545e+03	-3.1658e+04
	375	2.2948e+02	2.0240e+02	-5.8046e+01	6.9204e+03	-9.2201e+03	-3.3109e+04
848	327	9.7838e+01	-2.5292e+02	-1.4972e+02	-6.9204e+03	2.3941e+04	-4.0066e+04

	373	-9.7838e+01	2.5292e+02	1.4972e+02	6.9204e+03	2.3970e+04	-4.0869e+04
849	319	-5.6405e+00	-4.1298e+02	-1.1652e+01	-4.8188e+03	1.9587e+03	-6.5993e+04
	371	5.6405e+00	4.1298e+02	1.1652e+01	4.8188e+03	1.7699e+03	-6.6160e+04
850	324	-4.7565e+02	-4.0844e+02	-9.5411e+01	-4.8188e+03	1.5565e+04	-6.5140e+04
	370	4.7565e+02	4.0844e+02	9.5411e+01	4.8188e+03	1.4966e+04	-6.5560e+04
851	302	-1.8987e+02	2.4958e+02	2.9962e+01	-4.8188e+03	-4.8944e+03	4.0470e+04
	368	1.8987e+02	-2.4958e+02	-2.9962e+01	4.8188e+03	-4.6935e+03	3.9395e+04
852	307	1.1474e+03	3.0824e+02	-1.0757e+02	-4.8188e+03	1.7741e+04	5.0125e+04
	367	-1.1474e+03	-3.0824e+02	1.0757e+02	4.8188e+03	1.6683e+04	4.8513e+04
853	314	2.0357e+02	2.6625e+02	-1.2034e+01	-4.8188e+03	2.1177e+03	4.3060e+04
	366	-2.0357e+02	-2.6625e+02	1.2034e+01	4.8188e+03	1.7331e+03	4.2141e+04
854	298	-7.8632e+01	-1.3945e+02	-2.4637e+02	-6.9204e+03	4.0059e+04	-2.1833e+04
	364	7.8632e+01	1.3945e+02	2.4637e+02	6.9204e+03	3.8779e+04	-2.2791e+04
855	309	-1.2741e+01	-8.5871e+01	-8.0804e+02	-5.8642e+03	1.3002e+05	-1.3188e+04
	363	1.2741e+01	8.5871e+01	8.0804e+02	5.8642e+03	1.2855e+05	-1.4291e+04
856	306	5.6613e+01	-1.6838e+02	1.8780e+02	-6.9204e+03	-3.0668e+04	-2.6391e+04
	362	-5.6613e+01	1.6838e+02	-1.8780e+02	6.9204e+03	-2.9427e+04	-2.7492e+04
857	315	1.7898e+01	-2.5459e+02	-2.3353e+01	-6.9204e+03	3.7563e+03	-4.0262e+04
	361	-1.7898e+01	2.5459e+02	2.3353e+01	6.9204e+03	3.7167e+03	-4.1206e+04
858	311	-7.5268e+02	6.0376e+01	-1.9871e+02	-6.9204e+03	3.2217e+04	1.1056e+04
	356	7.5268e+02	-6.0376e+01	1.9871e+02	6.9204e+03	3.1368e+04	8.2643e+03
859	303	1.2092e+03	2.2824e+02	-1.5103e+02	-4.8188e+03	2.4770e+04	3.7102e+04
	355	-1.2092e+03	-2.2824e+02	1.5103e+02	4.8188e+03	2.3560e+04	3.5937e+04
860	310	2.5782e+02	-5.0561e+02	3.0020e+01	-6.9204e+03	-4.8504e+03	-8.0641e+04
	354	-2.5782e+02	5.0561e+02	-3.0020e+01	6.9204e+03	-4.7562e+03	-8.1154e+04
861	313	-6.2653e+02	4.1089e+02	5.2242e+01	-6.9204e+03	-8.4053e+03	6.7514e+04
	353	6.2653e+02	-4.1089e+02	-5.2242e+01	6.9204e+03	-8.3123e+03	6.3971e+04
862	308	-5.8476e+02	2.9523e+02	1.5412e+02	-6.9204e+03	-2.5019e+04	4.8636e+04
	352	5.8476e+02	-2.9523e+02	-1.5412e+02	6.9204e+03	-2.4299e+04	4.5836e+04
863	301	4.5086e+02	7.3979e+01	2.3277e+02	-6.9204e+03	-3.7475e+04	1.3353e+04
	350	-4.5086e+02	-7.3979e+01	-2.3277e+02	6.9204e+03	-3.7010e+04	1.0321e+04
864	300	6.3195e+02	2.0651e+02	-1.0216e+02	-4.8188e+03	1.6703e+04	3.3518e+04
	349	-6.3195e+02	-2.0651e+02	1.0216e+02	4.8188e+03	1.5987e+04	3.2564e+04
865	312	-2.6807e+02	8.0998e+01	-1.4277e+02	-6.9204e+03	2.3076e+04	1.4425e+04
	348	2.6807e+02	-8.0998e+01	1.4277e+02	6.9204e+03	2.2610e+04	1.1494e+04
866	316	8.2938e+01	-7.0923e+01	1.2531e+03	-6.9204e+03	-2.0303e+05	-1.1143e+04
	347	-8.2938e+01	7.0923e+01	-1.2531e+03	6.9204e+03	-1.9797e+05	-1.1552e+04
867	304	-5.9333e+02	-1.0316e+02	-1.9408e+02	-4.8188e+03	3.1202e+04	-1.6293e+04
	339	5.9333e+02	1.0316e+02	1.9408e+02	4.8188e+03	3.0903e+04	-1.6718e+04
868	305	5.2906e+02	1.5882e+02	6.2008e+01	-6.9204e+03	-9.9899e+03	2.7048e+04
	338	-5.2906e+02	-1.5882e+02	-6.2008e+01	6.9204e+03	-9.8528e+03	2.3775e+04
869	299	-8.9500e+01	-1.7096e+02	-1.1039e+01	-4.8188e+03	1.7842e+03	-2.7117e+04
	334	8.9500e+01	1.7096e+02	1.1039e+01	4.8188e+03	1.7482e+03	-2.7588e+04
870	265	1.0290e+02	-1.8229e+02	2.2687e+02	-6.4323e+03	-3.7147e+04	-2.9872e+04
	333	-1.0290e+02	1.8229e+02	-2.2687e+02	6.4323e+03	-3.5451e+04	-2.8460e+04
871	264	4.0687e+01	-1.8267e+02	6.5741e+01	-6.4323e+03	-1.1350e+04	-3.0056e+04
	332	-4.0687e+01	1.8267e+02	-6.5741e+01	6.4323e+03	-9.6877e+03	-2.8399e+04
872	238	-4.1648e+02	-4.0508e+02	-5.1399e+01	-4.4789e+03	8.4435e+03	-6.6996e+04
	331	4.1648e+02	4.0508e+02	5.1399e+01	4.4789e+03	8.0041e+03	-6.2631e+04
873	234	1.1479e+02	-5.9541e+02	1.1119e+02	-6.4323e+03	-1.9313e+04	-1.0058e+05

	329	-1.1479e+02	5.9541e+02	-1.1119e+02	6.4323e+03	-1.6267e+04	-8.9948e+04
874	242	-3.8299e+02	-2.3037e+02	5.9632e+01	-6.4323e+03	-1.0404e+04	-4.2059e+04
	328	3.8299e+02	2.3037e+02	-5.9632e+01	6.4323e+03	-8.6788e+03	-3.1658e+04
875	240	1.3570e+02	-2.8224e+02	-1.4476e+02	-6.4323e+03	2.3546e+04	-5.0110e+04
	327	-1.3570e+02	2.8224e+02	1.4476e+02	6.4323e+03	2.2779e+04	-4.0205e+04
876	233	-4.0009e+02	-9.6608e+01	-1.5104e+02	-6.4323e+03	2.5183e+04	-1.6326e+04
	325	4.0009e+02	9.6608e+01	1.5104e+02	6.4323e+03	2.3150e+04	-1.4589e+04
877	244	-7.7576e+02	-4.0499e+02	-9.5671e+01	-4.4789e+03	1.6120e+04	-6.6936e+04
	324	7.7576e+02	4.0499e+02	9.5671e+01	4.4789e+03	1.4495e+04	-6.2663e+04
878	235	9.5900e+02	-6.8001e+02	6.8301e+01	-6.4323e+03	-1.3624e+04	-1.1422e+05
	323	-9.5900e+02	6.8001e+02	-6.8301e+01	6.4323e+03	-8.2322e+03	-1.0338e+05
879	245	5.7277e+02	-2.7377e+02	-1.6495e+02	-6.4323e+03	2.7568e+04	-4.8802e+04
	322	-5.7277e+02	2.7377e+02	1.6495e+02	6.4323e+03	2.5215e+04	-3.8804e+04
880	239	-1.8282e+01	-4.1207e+02	-9.6762e+00	-4.4789e+03	1.2710e+03	-6.8081e+04
	319	1.8282e+01	4.1207e+02	9.6762e+00	4.4789e+03	1.8254e+03	-6.3781e+04
881	241	1.0888e+03	-2.3195e+02	-2.0135e+02	-6.4323e+03	3.4244e+04	-4.2258e+04
	318	-1.0888e+03	2.3195e+02	2.0135e+02	6.4323e+03	3.0187e+04	-3.1967e+04
882	236	-1.7912e+03	-4.8636e+02	-1.0864e+02	-4.4789e+03	1.8995e+04	-7.9652e+04
	317	1.7912e+03	4.8636e+02	1.0864e+02	4.4789e+03	1.5771e+04	-7.5982e+04
883	243	8.7019e+01	-7.4323e+01	1.2592e+03	-6.4323e+03	-2.0766e+05	-1.2029e+04
	316	-8.7019e+01	7.4323e+01	-1.2592e+03	6.4323e+03	-1.9528e+05	-1.1755e+04
884	246	3.1139e+01	-2.8316e+02	-2.1448e+01	-6.4323e+03	3.2140e+03	-5.0287e+04
	315	-3.1139e+01	2.8316e+02	2.1448e+01	6.4323e+03	3.6493e+03	-4.0325e+04
885	251	2.9254e+02	2.4556e+02	-8.8383e+00	-4.4789e+03	9.7261e+02	4.0348e+04
	314	-2.9254e+02	-2.4556e+02	8.8383e+00	4.4789e+03	1.8557e+03	3.8232e+04
886	253	-9.7103e+02	4.0058e+02	5.8175e+01	-6.4323e+03	-1.1883e+04	6.6939e+04
	313	9.7103e+02	-4.0058e+02	-5.8175e+01	6.4323e+03	-6.7328e+03	6.1246e+04
887	261	-4.6276e+02	8.1288e+01	-1.4446e+02	-6.4323e+03	2.4345e+04	1.5518e+04
	312	4.6276e+02	-8.1288e+01	1.4446e+02	6.4323e+03	2.1883e+04	1.0494e+04
888	257	-1.1850e+03	5.8796e+01	-2.0502e+02	-6.4323e+03	3.4828e+04	1.1883e+04
	311	1.1850e+03	-5.8796e+01	2.0502e+02	6.4323e+03	3.0779e+04	6.9312e+03
889	247	4.3716e+02	-5.2916e+02	3.5941e+01	-6.4323e+03	-6.8932e+03	-9.0387e+04
	310	-4.3716e+02	5.2916e+02	-3.5941e+01	6.4323e+03	-4.6079e+03	-7.8945e+04
890	248	3.4921e+01	-9.7503e+01	-7.7866e+02	-5.4506e+03	1.2480e+05	-1.6337e+04
	309	-3.4921e+01	9.7503e+01	7.7866e+02	5.4506e+03	1.2437e+05	-1.4864e+04
891	255	-1.0426e+03	2.8454e+02	1.5649e+02	-6.4323e+03	-2.6409e+04	4.8722e+04
	308	1.0426e+03	-2.8454e+02	-1.5649e+02	6.4323e+03	-2.3668e+04	4.2329e+04
892	256	1.8163e+03	2.9156e+02	-1.1512e+02	-4.4789e+03	1.9985e+04	4.7584e+04
	307	-1.8163e+03	-2.9156e+02	1.1512e+02	4.4789e+03	1.6854e+04	4.5717e+04
893	258	8.0455e+01	-1.8347e+02	2.0014e+02	-6.4323e+03	-3.4373e+04	-3.0120e+04
	306	-8.0455e+01	1.8347e+02	-2.0014e+02	6.4323e+03	-2.9672e+04	-2.8592e+04
894	260	8.1560e+02	1.5978e+02	6.4478e+01	-6.4323e+03	-1.1226e+04	2.7944e+04
	305	-8.1560e+02	-1.5978e+02	-6.4478e+01	6.4323e+03	-9.4074e+03	2.3186e+04
895	262	-9.4742e+02	-1.1004e+02	-1.8846e+02	-4.4789e+03	3.0210e+04	-1.7873e+04
	304	9.4742e+02	1.1004e+02	1.8846e+02	4.4789e+03	3.0098e+04	-1.7341e+04
896	250	2.0972e+03	2.1105e+02	-1.5865e+02	-4.4789e+03	2.5706e+04	3.4896e+04
	303	-2.0972e+03	-2.1105e+02	1.5865e+02	4.4789e+03	2.5063e+04	3.2639e+04
897	254	-3.1384e+02	2.3254e+02	3.4249e+01	-4.4789e+03	-6.2873e+03	3.8388e+04
	302	3.1384e+02	-2.3254e+02	-3.4249e+01	4.4789e+03	-4.6723e+03	3.6025e+04
898	259	8.1808e+02	7.2668e+01	2.2415e+02	-6.4323e+03	-3.6740e+04	1.3998e+04

	301	-8.1808e+02	-7.2668e+01	-2.2415e+02	6.4323e+03	-3.4989e+04	9.2556e+03
899	252	1.0008e+03	1.9167e+02	-1.0438e+02	-4.4789e+03	1.7561e+04	3.2031e+04
	300	-1.0008e+03	-1.9167e+02	1.0438e+02	4.4789e+03	1.5840e+04	2.9302e+04
900	263	-1.1987e+02	-1.7491e+02	-1.4460e+01	-4.4789e+03	2.4066e+03	-2.8114e+04
	299	1.1987e+02	1.7491e+02	1.4460e+01	4.4789e+03	2.2205e+03	-2.7858e+04
901	249	-1.3607e+02	-1.5665e+02	-2.4904e+02	-6.4323e+03	4.1457e+04	-2.5876e+04
	298	1.3607e+02	1.5665e+02	2.4904e+02	6.4323e+03	3.8236e+04	-2.4252e+04
902	142	1.2391e+02	-8.5242e+01	1.0172e+02	-3.9262e+03	-1.8147e+04	-1.5268e+04
	265	-1.2391e+02	8.5242e+01	-1.0172e+02	3.9262e+03	-1.5320e+04	-1.2777e+04
903	143	4.2828e+01	-8.5944e+01	2.3595e+01	-3.9262e+03	-5.8109e+03	-1.5284e+04
	264	-4.2828e+01	8.5944e+01	-2.3595e+01	3.9262e+03	-1.9519e+03	-1.2991e+04
904	144	-1.9828e+02	-8.3334e+01	-2.9987e+01	-2.7339e+03	4.8260e+03	-1.2491e+04
	263	1.9828e+02	8.3334e+01	2.9987e+01	2.7339e+03	5.0398e+03	-1.4926e+04
905	145	-1.2814e+03	-5.2396e+01	-1.3771e+02	-2.7339e+03	2.2319e+04	-9.0016e+03
	262	1.2814e+03	5.2396e+01	1.3771e+02	2.7339e+03	2.2988e+04	-8.2367e+03
906	138	-6.4731e+02	6.9230e+01	-1.1377e+02	-3.9262e+03	2.2389e+04	1.8072e+04
	261	6.4731e+02	-6.9230e+01	1.1377e+02	3.9262e+03	1.5040e+04	4.7042e+03
907	140	1.0752e+03	1.4077e+02	1.7599e+01	-3.9262e+03	-4.4800e+03	2.9799e+04
	260	-1.0752e+03	-1.4077e+02	-1.7599e+01	3.9262e+03	-1.3100e+03	1.6513e+04
908	139	1.1099e+03	7.2599e+01	9.8716e+01	-3.9262e+03	-1.7601e+04	1.9432e+04
	259	-1.1099e+03	-7.2599e+01	-9.8716e+01	3.9262e+03	-1.4876e+04	4.4530e+03
909	141	1.0152e+02	-8.3327e+01	1.0958e+02	-3.9262e+03	-2.3435e+04	-1.4720e+04
	258	-1.0152e+02	8.3327e+01	-1.0958e+02	3.9262e+03	-1.2616e+04	-1.2694e+04
910	137	-1.5815e+03	5.4043e+01	-1.5357e+02	-3.9262e+03	3.0843e+04	1.5966e+04
	257	1.5815e+03	-5.4043e+01	1.5357e+02	3.9262e+03	1.9681e+04	1.8147e+03
911	136	2.4126e+03	1.6953e+02	-1.1905e+02	-2.7339e+03	2.6478e+04	2.8990e+04
	256	-2.4126e+03	-1.6953e+02	1.1905e+02	2.7339e+03	1.2689e+04	2.6787e+04
912	131	-1.3842e+03	1.8370e+02	8.1255e+01	-3.9262e+03	-1.6976e+04	3.7887e+04
	255	1.3842e+03	-1.8370e+02	-8.1255e+01	3.9262e+03	-9.7568e+03	2.2549e+04
913	132	-3.9091e+02	1.4357e+02	5.1118e+00	-2.7339e+03	-2.4475e+03	2.6179e+04
	254	3.9091e+02	-1.4357e+02	-5.1118e+00	2.7339e+03	7.6570e+02	2.1055e+04
914	130	-1.2536e+03	2.3285e+02	6.1737e+01	-3.9262e+03	-2.0191e+04	4.2784e+04
	253	1.2536e+03	-2.3285e+02	-6.1737e+01	3.9262e+03	-1.2011e+02	3.3822e+04
915	135	1.3123e+03	1.1890e+02	-1.0109e+02	-2.7339e+03	2.0847e+04	2.2743e+04
	252	-1.3123e+03	-1.1890e+02	1.0109e+02	2.7339e+03	1.2413e+04	1.6376e+04
916	133	3.6115e+02	1.4702e+02	-2.4169e+01	-2.7339e+03	4.3614e+03	2.6363e+04
	251	-3.6115e+02	-1.4702e+02	2.4169e+01	2.7339e+03	3.5904e+03	2.2007e+04
917	134	2.9571e+03	1.3478e+02	-1.2549e+02	-2.7339e+03	2.0947e+04	2.5443e+04
	250	-2.9571e+03	-1.3478e+02	1.2549e+02	2.7339e+03	2.0341e+04	1.8899e+04
918	147	-1.8472e+02	-6.8835e+01	-1.7876e+02	-3.9262e+03	3.4468e+04	-1.2924e+04
	249	1.8472e+02	6.8835e+01	1.7876e+02	3.9262e+03	2.4345e+04	-9.7225e+03
919	148	5.5559e+01	-4.6509e+01	-4.0309e+02	-3.3270e+03	5.9500e+04	-9.4112e+03
	248	-5.5559e+01	4.6509e+01	4.0309e+02	3.3270e+03	7.3117e+04	-5.8902e+03
920	152	5.6224e+02	-3.0273e+02	3.2632e+00	-3.9262e+03	-2.7254e+03	-6.3541e+04
	247	-5.6224e+02	3.0273e+02	-3.2632e+00	3.9262e+03	1.6518e+03	-3.6056e+04
921	153	6.5498e+01	-1.8538e+02	-3.6968e+01	-3.9262e+03	6.0648e+03	-4.5488e+04
	246	-6.5498e+01	1.8538e+02	3.6968e+01	3.9262e+03	6.0975e+03	-1.5503e+04
922	155	7.8165e+02	-1.7985e+02	-1.2766e+02	-3.9262e+03	2.4420e+04	-4.4757e+04
	245	-7.8165e+02	1.7985e+02	1.2766e+02	3.9262e+03	1.7580e+04	-1.4415e+04
923	159	-1.0408e+03	-2.2905e+02	-9.6336e+01	-2.7339e+03	2.0306e+04	-4.2602e+04

	244	1.0408e+03	2.2905e+02	9.6336e+01	2.7339e+03	1.1388e+04	-3.2756e+04
924	161	8.2742e+01	-3.4441e+01	6.8710e+02	-3.9262e+03	-1.2137e+05	-5.9298e+03
	243	-8.2742e+01	3.4441e+01	-6.8710e+02	3.9262e+03	-1.0468e+05	-5.4013e+03
925	151	-4.8955e+02	-1.5929e+02	1.3346e+01	-3.9262e+03	-3.8447e+03	-4.2371e+04
	242	4.8955e+02	1.5929e+02	-1.3346e+01	3.9262e+03	-5.4611e+02	-1.0035e+04
926	156	1.4808e+03	-1.5340e+02	-1.5066e+02	-3.9262e+03	3.0392e+04	-4.1028e+04
	241	-1.4808e+03	1.5340e+02	1.5066e+02	3.9262e+03	1.9174e+04	-9.4398e+03
927	154	1.8557e+02	-1.8426e+02	-1.0570e+02	-3.9262e+03	1.7758e+04	-4.5318e+04
	240	-1.8557e+02	1.8426e+02	1.0570e+02	3.9262e+03	1.7016e+04	-1.5304e+04
928	157	-5.2950e+01	-2.3362e+02	-2.9132e+01	-2.7339e+03	5.2510e+03	-4.3219e+04
	239	5.2950e+01	2.3362e+02	2.9132e+01	2.7339e+03	4.3334e+03	-3.3641e+04
929	158	-5.6057e+02	-2.3042e+02	-6.2876e+01	-2.7339e+03	1.2924e+04	-4.2855e+04
	238	5.6057e+02	2.3042e+02	6.2876e+01	2.7339e+03	7.7621e+03	-3.2952e+04
930	160	-2.4065e+03	-2.7042e+02	-1.1217e+02	-2.7339e+03	2.5260e+04	-4.7671e+04
	236	2.4065e+03	2.7042e+02	1.1217e+02	2.7339e+03	1.1644e+04	-4.1298e+04
931	149	1.2867e+03	-3.6662e+02	5.7067e+01	-3.9262e+03	-1.8508e+04	-6.9762e+04
	235	-1.2867e+03	3.6662e+02	-5.7067e+01	3.9262e+03	-2.6679e+02	-5.0857e+04
932	150	1.2285e+02	-3.3633e+02	5.5545e+01	-3.9262e+03	-1.3439e+04	-6.7768e+04
	234	-1.2285e+02	3.3633e+02	-5.5545e+01	3.9262e+03	-4.8349e+03	-4.2885e+04
933	146	-5.0471e+02	-4.4368e+01	-1.2058e+02	-3.9262e+03	2.3751e+04	-1.0725e+04
	233	5.0471e+02	4.4368e+01	1.2058e+02	3.9262e+03	1.5920e+04	-3.8717e+03
934	127	1.3437e+01	-3.8338e+01	-5.6540e+01	-5.7248e+02	1.0480e+04	-9.2347e+03
	195	-1.3437e+01	3.8338e+01	5.6540e+01	5.7248e+02	8.1785e+03	-3.4167e+03
935	126	-7.6917e+01	4.3629e+01	-5.5934e+01	-5.7248e+02	9.7876e+03	3.5730e+03
	194	7.6917e+01	-4.3629e+01	5.5934e+01	5.7248e+02	8.6705e+03	1.0825e+04
936	51	-2.4301e+03	4.5234e+01	-5.6660e+01	-5.7248e+02	1.2370e+04	4.6276e+01
	160	2.4301e+03	-4.5234e+01	5.6660e+01	5.7248e+02	6.3275e+03	1.4881e+04
937	50	-1.0563e+03	3.9098e+01	-7.3549e+01	-5.7248e+02	1.4027e+04	-3.1778e+03
	159	1.0563e+03	-3.9098e+01	7.3549e+01	5.7248e+02	1.0244e+04	1.6080e+04
938	49	-6.1238e+02	3.7283e+01	-8.0984e+01	-5.7248e+02	1.4710e+04	-3.2642e+03
	158	6.1238e+02	-3.7283e+01	8.0984e+01	5.7248e+02	1.2015e+04	1.5568e+04
939	48	-1.0602e+02	4.3011e+01	-7.9963e+01	-5.7248e+02	1.4086e+04	-1.9252e+03
	157	1.0602e+02	-4.3011e+01	7.9963e+01	5.7248e+02	1.2302e+04	1.6119e+04
940	47	1.5566e+03	9.7595e+01	-7.4740e+00	-5.7248e+02	5.5118e+03	7.6031e+03
	156	-1.5566e+03	-9.7595e+01	7.4740e+00	5.7248e+02	-3.0454e+03	2.4603e+04
941	46	8.3057e+02	7.4279e+01	-4.0011e+01	-5.7248e+02	9.6452e+03	3.7940e+03
	155	-8.3057e+02	-7.4279e+01	4.0011e+01	5.7248e+02	3.5585e+03	2.0718e+04
942	45	2.7060e+02	6.8919e+01	-5.9958e+01	-5.7248e+02	1.2386e+04	2.7355e+03
	154	-2.7060e+02	-6.8919e+01	5.9958e+01	5.7248e+02	7.4004e+03	2.0008e+04
943	44	1.3018e+02	6.8075e+01	-7.2616e+01	-5.7248e+02	1.3432e+04	2.6257e+03
	153	-1.3018e+02	-6.8075e+01	7.2616e+01	5.7248e+02	1.0531e+04	1.9839e+04
944	43	4.9607e+02	9.5059e+01	-8.3432e+01	-5.7248e+02	1.3901e+04	3.5265e+03
	152	-4.9607e+02	-9.5059e+01	8.3432e+01	5.7248e+02	1.3631e+04	2.7843e+04
945	42	-4.0956e+02	6.9927e+01	-8.1671e+01	-5.7248e+02	1.3856e+04	2.5217e+03
	151	4.0956e+02	-6.9927e+01	8.1671e+01	5.7248e+02	1.3096e+04	2.0554e+04
946	41	8.4580e+01	8.4503e+01	-7.3374e+01	-5.7248e+02	1.1608e+04	2.1623e+03
	150	-8.4580e+01	-8.4503e+01	7.3374e+01	5.7248e+02	1.2605e+04	2.5724e+04
947	40	1.1729e+03	1.4962e+02	-6.6509e+01	-5.7248e+02	9.6455e+03	1.4815e+04
	149	-1.1729e+03	-1.4962e+02	6.6509e+01	5.7248e+02	1.2303e+04	3.4560e+04
948	39	4.7159e+01	3.2638e+01	-3.1590e+01	-5.7248e+02	1.3886e+04	3.3933e+03

	148	-4.7159e+01	-3.2638e+01	3.1590e+01	5.7248e+02	-3.4613e+03	7.3771e+03
949	38	-2.1380e+02	5.0542e+01	-6.2185e+01	-5.7248e+02	1.5845e+04	6.6456e+03
	147	2.1380e+02	-5.0542e+01	6.2185e+01	5.7248e+02	4.6763e+03	1.0033e+04
950	37	-5.1919e+02	9.3424e+01	-6.9498e+01	-5.7248e+02	1.6002e+04	1.6872e+04
	146	5.1919e+02	-9.3424e+01	6.9498e+01	5.7248e+02	6.9323e+03	1.3958e+04
951	36	-1.7440e+03	2.6821e+01	-1.4143e+02	-5.7248e+02	2.5333e+04	2.8465e+03
	145	1.7440e+03	-2.6821e+01	1.4143e+02	5.7248e+02	2.1339e+04	6.0043e+03
952	35	-2.9361e+02	-7.5625e+01	-7.1206e+01	-5.7248e+02	1.3274e+04	-1.9594e+04
	144	2.9361e+02	7.5625e+01	7.1206e+01	5.7248e+02	1.0224e+04	-5.3619e+03
953	34	2.5186e+01	2.3803e+01	-5.1036e+01	-5.7248e+02	8.5567e+03	1.4946e+03
	143	-2.5186e+01	-2.3803e+01	5.1036e+01	5.7248e+02	8.2851e+03	6.3605e+03
954	33	1.4270e+02	3.3863e+01	-7.4142e+01	-5.7248e+02	1.1246e+04	3.8352e+03
	142	-1.4270e+02	-3.3863e+01	7.4142e+01	5.7248e+02	1.3221e+04	7.3396e+03
955	32	1.0574e+02	3.0035e+01	-7.9048e+01	-5.7248e+02	1.1074e+04	2.4477e+03
	141	-1.0574e+02	-3.0035e+01	7.9048e+01	5.7248e+02	1.5011e+04	7.4639e+03
956	31	1.2901e+03	3.5203e+01	-8.0375e+01	-5.7248e+02	1.3871e+04	8.4507e+03
	140	-1.2901e+03	-3.5203e+01	8.0375e+01	5.7248e+02	1.2653e+04	3.1662e+03
957	30	1.0449e+03	3.2511e+00	-8.4514e+01	-5.7248e+02	1.3161e+04	6.1013e+03
	139	-1.0449e+03	-3.2511e+00	8.4514e+01	5.7248e+02	1.4729e+04	-5.0284e+03
958	29	-6.6150e+02	-5.1407e+01	-2.2344e+01	-5.7248e+02	6.6420e+03	-4.5751e+03
	138	6.6150e+02	5.1407e+01	2.2344e+01	5.7248e+02	7.3160e+02	-1.2389e+04
959	28	-1.6694e+03	-7.1151e+01	-2.1930e+01	-5.7248e+02	8.4780e+03	-8.2363e+03
	137	1.6694e+03	7.1151e+01	2.1930e+01	5.7248e+02	-1.2411e+03	-1.5244e+04
960	27	1.9746e+03	-3.0113e+01	-6.2457e+01	-5.7248e+02	1.2629e+04	-1.9857e+03
	136	-1.9746e+03	3.0113e+01	6.2457e+01	5.7248e+02	7.9820e+03	-7.9514e+03
961	26	1.0203e+03	-5.2462e+01	-6.9430e+01	-5.7248e+02	1.3063e+04	-4.5886e+03
	135	-1.0203e+03	5.2462e+01	6.9430e+01	5.7248e+02	9.8490e+03	-1.2724e+04
962	582	2.6153e+03	-1.6092e+01	-1.0043e+02	-5.7248e+02	1.6353e+04	5.5409e+02
	134	-2.6153e+03	1.6092e+01	1.0043e+02	5.7248e+02	1.6789e+04	-5.8645e+03
963	469	1.1443e+02	-9.1349e+00	-7.3308e+01	-5.7248e+02	1.3376e+04	3.3161e+03
	133	-1.1443e+02	9.1349e+00	7.3308e+01	5.7248e+02	1.0815e+04	-6.3306e+03
964	23	-3.5506e+02	2.4118e-01	-7.6425e+01	-5.7248e+02	1.2642e+04	4.8441e+03
	132	3.5506e+02	-2.4118e-01	7.6425e+01	5.7248e+02	1.2579e+04	-4.7645e+03
965	22	-1.1594e+03	-3.7099e+01	-4.6011e+01	-5.7248e+02	6.5445e+03	5.5715e+02
	131	1.1594e+03	3.7099e+01	4.6011e+01	5.7248e+02	8.6392e+03	-1.2800e+04
966	21	-9.7429e+02	-6.7077e+01	-2.6007e+01	-5.7248e+02	2.7226e+03	-5.6165e+03
	130	9.7429e+02	6.7077e+01	2.6007e+01	5.7248e+02	5.8596e+03	-1.6519e+04
361	256	0.0000e+00	3.6497e+02	-1.3595e+02	9.1083e+03	2.0529e+04	5.5111e+04
	2	0.0000e+00	-3.6497e+02	1.3595e+02	-9.1083e+03	2.3023e+04	6.1808e+04
362	252	-3.6380e-12	1.6015e+02	-5.9655e+01	4.6864e+03	1.0434e+04	2.8011e+04
	256	3.6380e-12	-1.6015e+02	5.9655e+01	-4.6864e+03	8.5362e+03	2.2916e+04
363	250	0.0000e+00	1.2555e+02	-4.6768e+01	7.3848e+03	7.2804e+03	1.9545e+04
	252	0.0000e+00	-1.2555e+02	4.6768e+01	-7.3848e+03	7.5919e+03	2.0381e+04
364	251	7.2760e-12	2.3240e+02	-8.6567e+01	-8.6956e+02	1.3422e+04	3.6032e+04
	250	-7.2760e-12	-2.3240e+02	8.6567e+01	8.6956e+02	1.4107e+04	3.7871e+04
365	254	-1.0914e-11	1.6379e+02	-6.1010e+01	3.6934e+03	1.0023e+04	2.6907e+04
	251	1.0914e-11	-1.6379e+02	6.1010e+01	-3.6934e+03	9.8054e+03	2.6323e+04
366	255	-3.6380e-12	2.0941e+02	-7.8006e+01	1.9374e+03	1.3586e+04	3.6472e+04
	254	3.6380e-12	-2.0941e+02	7.8006e+01	-1.9374e+03	1.2078e+04	3.2425e+04
367	253	0.0000e+00	2.2206e+02	-8.2715e+01	8.1659e+03	1.1889e+04	3.1917e+04

	255	0.0000e+00	-2.2206e+02	8.2715e+01	-8.1659e+03	1.3132e+04	3.5255e+04
368	59	7.2760e-12	4.3980e+02	-1.6382e+02	7.3420e+03	2.6018e+04	6.9847e+04
	253	-7.2760e-12	-4.3980e+02	1.6382e+02	-7.3420e+03	2.4991e+04	6.7090e+04
377	54	0.0000e+00	5.4266e+02	-2.0214e+02	8.9016e+03	3.4738e+04	9.3256e+04
	236	0.0000e+00	-5.4266e+02	2.0214e+02	-8.9016e+03	3.0018e+04	8.0585e+04
378	236	-3.6380e-12	3.0861e+02	-1.1496e+02	4.5291e+03	1.7496e+04	4.6970e+04
	244	3.6380e-12	-3.0861e+02	1.1496e+02	-4.5291e+03	1.9060e+04	5.1169e+04
379	244	0.0000e+00	3.2485e+02	-1.2101e+02	3.4390e+03	1.9249e+04	5.1677e+04
	238	0.0000e+00	-3.2485e+02	1.2101e+02	-3.4390e+03	1.9231e+04	5.1626e+04
380	238	0.0000e+00	3.2205e+02	-1.1996e+02	3.6097e+03	1.9140e+04	5.1383e+04
	239	0.0000e+00	-3.2205e+02	1.1996e+02	-3.6097e+03	1.9008e+04	5.1029e+04
381	239	-7.2760e-12	3.4047e+02	-1.2682e+02	3.7420e+03	2.0088e+04	5.3927e+04
	247	7.2760e-12	-3.4047e+02	1.2682e+02	-3.7420e+03	2.2462e+04	6.0300e+04
382	247	3.6380e-12	4.2692e+02	-1.5903e+02	2.9329e+03	2.4818e+04	6.6627e+04
	234	-3.6380e-12	-4.2692e+02	1.5903e+02	-2.9329e+03	2.4162e+04	6.4864e+04
383	234	0.0000e+00	4.0411e+02	-1.5053e+02	6.3134e+03	2.4030e+04	6.4510e+04
	235	0.0000e+00	-4.0411e+02	1.5053e+02	-6.3134e+03	2.3086e+04	6.1975e+04
384	235	0.0000e+00	6.3901e+02	-2.3803e+02	7.5583e+03	3.5211e+04	9.4527e+04
	56	0.0000e+00	-6.3901e+02	2.3803e+02	-7.5583e+03	3.8902e+04	1.0444e+05
446	307	0.0000e+00	4.5291e+02	-1.6871e+02	1.1474e+04	2.5541e+04	6.8566e+04
	165	0.0000e+00	-4.5291e+02	1.6871e+02	-1.1474e+04	2.8505e+04	7.6524e+04
447	300	1.4552e-11	2.1639e+02	-8.0605e+01	5.7129e+03	1.3926e+04	3.7385e+04
	307	-1.4552e-11	-2.1639e+02	8.0605e+01	-5.7129e+03	1.1707e+04	3.1428e+04
448	303	0.0000e+00	1.5523e+02	-5.7822e+01	8.1700e+03	8.9501e+03	2.4027e+04
	300	0.0000e+00	-1.5523e+02	5.7822e+01	-8.1700e+03	9.4374e+03	2.5335e+04
449	314	1.4552e-11	3.0218e+02	-1.1256e+02	2.4150e+02	1.7529e+04	4.7057e+04
	303	-1.4552e-11	-3.0218e+02	1.1256e+02	-2.4150e+02	1.8266e+04	4.9036e+04
450	302	0.0000e+00	2.1322e+02	-7.9423e+01	4.2148e+03	1.3060e+04	3.5061e+04
	314	0.0000e+00	-2.1322e+02	7.9423e+01	-4.2148e+03	1.2752e+04	3.4235e+04
451	308	0.0000e+00	2.6651e+02	-9.9274e+01	2.3438e+03	1.7248e+04	4.6303e+04
	302	0.0000e+00	-2.6651e+02	9.9274e+01	-2.3438e+03	1.5413e+04	4.1378e+04
452	313	0.0000e+00	2.8550e+02	-1.0635e+02	9.6413e+03	1.5394e+04	4.1325e+04
	308	0.0000e+00	-2.8550e+02	1.0635e+02	-9.6413e+03	1.6777e+04	4.5039e+04
453	80	1.4552e-11	5.5187e+02	-2.0557e+02	8.2241e+03	3.2430e+04	8.7062e+04
	313	-1.4552e-11	-5.5187e+02	2.0557e+02	-8.2241e+03	3.1576e+04	8.4769e+04
462	125	1.4552e-11	6.7613e+02	-2.5186e+02	1.1363e+04	4.3208e+04	1.1600e+05
	317	-1.4552e-11	-6.7613e+02	2.5186e+02	-1.1363e+04	3.7474e+04	1.0060e+05
463	317	1.4552e-11	3.9959e+02	-1.4885e+02	5.6935e+03	2.2772e+04	6.1134e+04
	324	-1.4552e-11	-3.9959e+02	1.4885e+02	-5.6935e+03	2.4561e+04	6.5936e+04
464	324	0.0000e+00	4.1200e+02	-1.5347e+02	4.3017e+03	2.4394e+04	6.5488e+04
	331	0.0000e+00	-4.1200e+02	1.5347e+02	-4.3017e+03	2.4409e+04	6.5529e+04
465	331	0.0000e+00	4.1007e+02	-1.5275e+02	4.3332e+03	2.4365e+04	6.5411e+04
	319	0.0000e+00	-4.1007e+02	1.5275e+02	-4.3332e+03	2.4209e+04	6.4992e+04
466	319	-1.4552e-11	4.3150e+02	-1.6073e+02	4.6210e+03	2.5501e+04	6.8458e+04
	310	1.4552e-11	-4.3150e+02	1.6073e+02	-4.6210e+03	2.8425e+04	7.6308e+04
467	310	1.4552e-11	5.3607e+02	-1.9969e+02	3.3901e+03	3.1159e+04	8.3650e+04
	329	-1.4552e-11	-5.3607e+02	1.9969e+02	-3.3901e+03	3.0344e+04	8.1460e+04
468	329	0.0000e+00	5.2232e+02	-1.9456e+02	7.7017e+03	3.0902e+04	8.2959e+04
	323	0.0000e+00	-5.2232e+02	1.9456e+02	-7.7017e+03	2.9996e+04	8.0526e+04
469	323	0.0000e+00	7.6852e+02	-2.8627e+02	8.3110e+03	4.3415e+04	1.1655e+05

	75	0.0000e+00	-7.6852e+02	2.8627e+02	-8.3110e+03	4.5719e+04	1.2274e+05
564	441	0.0000e+00	3.3076e+02	1.2321e+02	1.3345e+04	-1.7953e+04	4.8197e+04
	170	0.0000e+00	-3.3076e+02	-1.2321e+02	-1.3345e+04	-2.1516e+04	5.7762e+04
565	459	2.9104e-11	1.5280e+02	5.6919e+01	3.6049e+03	-1.0536e+04	2.8285e+04
	441	-2.9104e-11	-1.5280e+02	-5.6919e+01	-3.6049e+03	-7.5641e+03	2.0306e+04
566	439	-2.9104e-11	7.5489e+01	2.8119e+01	5.8254e+03	-4.0286e+03	1.0815e+04
	459	2.9104e-11	-7.5489e+01	-2.8119e+01	-5.8254e+03	-4.9133e+03	1.3190e+04
567	444	-5.8208e-11	2.3178e+02	8.6338e+01	1.0013e+03	-1.3063e+04	3.5069e+04
	439	5.8208e-11	-2.3178e+02	-8.6338e+01	-1.0013e+03	-1.4393e+04	3.8638e+04
568	423	-2.9104e-11	1.2889e+02	4.8012e+01	3.8075e+03	-8.1512e+03	2.1882e+04
	444	2.9104e-11	-1.2889e+02	-4.8012e+01	-3.8075e+03	-7.4526e+03	2.0007e+04
569	468	0.0000e+00	1.9610e+02	7.3048e+01	2.0016e+03	-1.3058e+04	3.5055e+04
	423	0.0000e+00	-1.9610e+02	-7.3048e+01	-2.0016e+03	-1.0975e+04	2.9463e+04
570	432	0.0000e+00	1.8908e+02	7.0430e+01	8.1030e+03	-9.6361e+03	2.5869e+04
	468	0.0000e+00	-1.8908e+02	-7.0430e+01	-8.1030e+03	-1.1669e+04	3.1327e+04
571	84	-5.8208e-11	4.2155e+02	1.5703e+02	8.2993e+03	-2.5139e+04	6.7487e+04
	432	5.8208e-11	-4.2155e+02	-1.5703e+02	-8.2993e+03	-2.3753e+04	6.3767e+04
580	163	-5.8208e-11	4.3235e+02	1.6105e+02	1.1006e+04	-2.8580e+04	7.6725e+04
	419	5.8208e-11	-4.3235e+02	-1.6105e+02	-1.1006e+04	-2.3012e+04	6.1778e+04
581	419	0.0000e+00	2.2617e+02	8.4248e+01	5.7533e+03	-1.2386e+04	3.3250e+04
	443	0.0000e+00	-2.2617e+02	-8.4248e+01	-5.7533e+03	-1.4405e+04	3.8672e+04
582	443	0.0000e+00	2.3868e+02	8.8909e+01	5.0980e+03	-1.4041e+04	3.7695e+04
	417	0.0000e+00	-2.3868e+02	-8.8909e+01	-5.0980e+03	-1.4232e+04	3.8206e+04
583	417	-2.9104e-11	2.3693e+02	8.8256e+01	2.0683e+03	-1.4239e+04	3.8227e+04
	438	2.9104e-11	-2.3693e+02	-8.8256e+01	-2.0683e+03	-1.3826e+04	3.7117e+04
584	438	0.0000e+00	2.6347e+02	9.8141e+01	3.5827e+03	-1.5099e+04	4.0534e+04
	448	0.0000e+00	-2.6347e+02	-9.8141e+01	-3.5827e+03	-1.7827e+04	4.7859e+04
585	448	0.0000e+00	3.2119e+02	1.1964e+02	2.4317e+03	-1.8870e+04	5.0658e+04
	434	0.0000e+00	-3.2119e+02	-1.1964e+02	-2.4317e+03	-1.7980e+04	4.8269e+04
586	434	-2.9104e-11	3.1501e+02	1.1734e+02	7.6190e+03	-1.9034e+04	5.1099e+04
	433	2.9104e-11	-3.1501e+02	-1.1734e+02	-7.6190e+03	-1.7694e+04	4.7500e+04
587	433	0.0000e+00	5.1151e+02	1.9053e+02	8.2221e+03	-2.8308e+04	7.5996e+04
	79	0.0000e+00	-5.1151e+02	-1.9053e+02	-8.2221e+03	-3.1017e+04	8.3267e+04
597	441	0.0000e+00	3.4192e+02	1.2736e+02	-6.9188e+03	-1.3554e+04	3.6387e+04
	424	0.0000e+00	-3.4192e+02	-1.2736e+02	6.9188e+03	-1.1091e+04	2.9775e+04
635	367	1.4552e-11	4.6294e+02	-1.7244e+02	1.0063e+04	2.6018e+04	6.9848e+04
	167	-1.4552e-11	-4.6294e+02	1.7244e+02	-1.0063e+04	2.9225e+04	7.8457e+04
636	349	0.0000e+00	2.4874e+02	-9.2656e+01	5.9625e+03	1.5719e+04	4.2200e+04
	367	0.0000e+00	-2.4874e+02	9.2656e+01	-5.9625e+03	1.3745e+04	3.6901e+04
637	355	0.0000e+00	1.6608e+02	-6.1865e+01	7.8104e+03	9.6322e+03	2.5859e+04
	349	0.0000e+00	-1.6608e+02	6.1865e+01	-7.8104e+03	1.0041e+04	2.6955e+04
638	366	2.9104e-11	3.3774e+02	-1.2581e+02	8.4189e+02	1.9589e+04	5.2588e+04
	355	-2.9104e-11	-3.3774e+02	1.2581e+02	-8.4189e+02	2.0418e+04	5.4814e+04
639	368	-2.9104e-11	2.3706e+02	-8.8303e+01	4.6319e+03	1.4532e+04	3.9011e+04
	366	2.9104e-11	-2.3706e+02	8.8303e+01	-4.6319e+03	1.4167e+04	3.8032e+04
640	352	0.0000e+00	2.9259e+02	-1.0899e+02	2.6079e+03	1.8910e+04	5.0767e+04
	368	0.0000e+00	-2.9259e+02	1.0899e+02	-2.6079e+03	1.6947e+04	4.5496e+04
641	353	0.0000e+00	3.1996e+02	-1.1918e+02	9.2572e+03	1.7409e+04	4.6737e+04
	352	0.0000e+00	-3.1996e+02	1.1918e+02	-9.2572e+03	1.8644e+04	5.0051e+04
642	82	2.9104e-11	5.8066e+02	-2.1630e+02	8.0064e+03	3.4201e+04	9.1815e+04

	353	-2.9104e-11	-5.8066e+02	2.1630e+02	-8.0064e+03	3.3145e+04	8.8982e+04
651	129	0.0000e+00	6.4869e+02	-2.4164e+02	1.0135e+04	4.1373e+04	1.1107e+05
	380	0.0000e+00	-6.4869e+02	2.4164e+02	-1.0135e+04	3.6035e+04	9.6739e+04
652	380	-1.4552e-11	4.1032e+02	-1.5284e+02	5.6535e+03	2.3585e+04	6.3316e+04
	370	1.4552e-11	-4.1032e+02	1.5284e+02	-5.6535e+03	2.5019e+04	6.7166e+04
653	370	0.0000e+00	4.0898e+02	-1.5234e+02	4.2275e+03	2.4183e+04	6.4921e+04
	383	0.0000e+00	-4.0898e+02	1.5234e+02	-4.2275e+03	2.4262e+04	6.5135e+04
654	383	-2.9104e-11	4.1032e+02	-1.5284e+02	4.7060e+03	2.4365e+04	6.5410e+04
	371	2.9104e-11	-4.1032e+02	1.5284e+02	-4.7060e+03	2.4239e+04	6.5072e+04
655	371	-1.4552e-11	4.3071e+02	-1.6044e+02	4.8032e+03	2.5469e+04	6.8373e+04
	354	1.4552e-11	-4.3071e+02	1.6044e+02	-4.8032e+03	2.8359e+04	7.6132e+04
656	354	0.0000e+00	5.2877e+02	-1.9696e+02	3.3507e+03	3.0730e+04	8.2498e+04
	385	0.0000e+00	-5.2877e+02	1.9696e+02	-3.3507e+03	2.9935e+04	8.0362e+04
657	385	-1.4552e-11	5.2828e+02	-1.9678e+02	7.5897e+03	3.1191e+04	8.3734e+04
	386	1.4552e-11	-5.2828e+02	1.9678e+02	-7.5897e+03	3.0403e+04	8.1618e+04
658	386	-1.4552e-11	7.5999e+02	-2.8309e+02	8.4139e+03	4.2884e+04	1.1513e+05
	77	1.4552e-11	-7.5999e+02	2.8309e+02	-8.4139e+03	4.5261e+04	1.2151e+05

Elem	Nodo	Nx	Ny	Nxy	Mx	My	Mxy
28	484	0.0000e+00	1.2494e+00	4.9650e-01	-4.3276e+01	1.0555e+02	-8.2185e+01
	482	0.0000e+00	5.8921e+00	-7.8786e-02	7.1062e+01	4.5897e+02	-9.9005e+01
	564	1.0596e+00	5.8921e+00	-2.2165e+00	5.5572e+01	-3.5534e+02	2.2647e+02
29	563	-3.3096e-01	1.0143e-01	3.9335e-01	4.5874e+01	-1.1445e+01	3.7415e+01
	484	-3.3096e-01	6.7688e-01	-8.5669e-01	-3.3321e+01	-3.3417e+01	4.7488e+01
	564	2.3838e+00	1.0143e-01	8.0923e-02	5.6812e+01	4.0864e+01	1.3556e+01
30	563	1.0143e-01	1.4501e+00	-3.6767e-01	-5.0852e+01	5.0001e+01	7.3616e+01
	564	1.0143e-01	2.7948e+00	-5.5241e-02	6.8938e+01	2.3562e+02	-6.1354e+00
	544	-4.7401e-01	2.7948e+00	-6.7441e-01	-4.5069e+00	-2.9413e+02	1.6480e+02
31	543	-1.5719e-01	-4.8535e-02	4.7775e-01	1.2871e+01	2.9827e+01	-1.0671e+01
	563	-1.5719e-01	3.3271e-01	-2.4686e-01	-5.2435e+01	4.1882e+01	-5.1666e+01
	544	1.4165e+00	-4.8535e-02	2.7076e-01	-3.1645e+01	1.2866e+01	2.4192e+00
32	543	-4.8535e-02	6.5462e-01	-3.5126e-01	-1.0584e+01	4.1919e+01	5.7869e+01
	544	-4.8535e-02	5.3742e-01	-1.4428e-01	2.3737e+01	1.4560e+02	8.7382e+00
	1	-4.2978e-01	5.3742e-01	-9.0307e-02	-2.1508e+01	-1.9336e+02	1.0422e+02
33	58	3.4933e-02	0.0000e+00	2.4529e-01	1.6687e+01	1.6313e+01	-1.9140e+01
	543	3.4933e-02	-2.6847e-03	9.0815e-02	-5.1645e+01	3.6728e+01	-6.7827e+01
	1	3.7042e-01	0.0000e+00	2.4675e-01	-3.6181e+01	2.0509e+00	3.0281e+00
34	523	4.4535e-03	-7.6137e-02	-1.7437e-01	8.4584e+00	3.6586e+01	2.6497e+01
	561	4.4535e-03	1.0559e-02	-2.0134e-01	-3.1804e+01	2.7712e+01	1.5096e+01
	541	5.4534e-02	1.0559e-02	-2.4158e-01	-4.2387e+01	-1.6458e+01	6.8593e+00
35	519	-3.4807e-02	-8.7663e-04	2.0394e-01	-3.5603e+01	2.5288e+01	-4.9402e+00
	523	-3.4807e-02	3.6701e-03	1.9313e-01	7.7868e+01	3.3239e+01	1.1194e+01
	541	-1.1507e-02	-8.7663e-04	2.0149e-01	-1.8222e+01	-2.4712e+01	3.6247e+00
36	519	-8.7663e-04	7.4869e-02	-2.1685e-01	2.8387e+01	1.8738e+01	3.9401e+00
	541	-8.7663e-04	-2.5064e-02	-2.1440e-01	-2.7614e+01	2.2416e+01	8.9349e+00
	536	-5.4233e-03	-2.5064e-02	-1.6802e-01	-2.2978e+01	-3.1347e+01	1.2350e+01
37	52	8.3641e-02	0.0000e+00	1.7746e-01	-4.8866e+00	5.9186e+00	-3.3034e+00
	519	8.3641e-02	-2.6520e-02	2.0711e-01	1.2264e+01	2.1717e+01	-1.1788e+01
	536	1.9761e-02	0.0000e+00	1.9175e-01	-1.4026e+01	4.9400e+00	1.3716e+01
38	523	-5.9870e-01	4.4535e-03	2.6346e-01	5.9477e+01	-1.0890e+01	-2.6510e+01
	161	-5.9870e-01	-1.4777e-15	3.0361e-01	-2.4857e+02	-4.0042e+01	4.0715e+01
	486	1.0167e-01	-1.4777e-15	1.3752e-01	-7.6310e+00	4.7532e+01	5.7282e+01
	561	1.0167e-01	4.4535e-03	9.7369e-02	-3.6626e+01	-1.2376e+01	-9.9438e+00
39	560	2.9448e-01	9.2432e-02	1.3029e-02	-9.6787e+00	-7.4901e+00	-5.2331e+00
	579	2.9448e-01	1.1259e-15	8.2927e-01	-1.5716e+01	1.2441e+01	-1.3797e+01

	161	-5.9870e-01	1.1259e-15	-3.4520e-02	-5.7151e+01	-1.3500e+01	-1.1885e+01
	523	-5.9870e-01	9.2432e-02	-8.5076e-01	1.9749e+01	9.7455e-01	-3.3207e+00
40	540	-4.0631e-02	-1.2493e-01	-2.0534e-02	-5.4356e+00	-5.4085e+00	-7.0189e+00
	560	-4.0631e-02	9.2432e-02	-3.3746e-01	-2.4676e+00	-4.5143e+00	-3.7111e+00
	523	-3.4807e-02	9.2432e-02	9.2282e-02	-2.0086e+01	-2.4574e+00	-4.5538e+00
	519	-3.4807e-02	-1.2493e-01	4.0921e-01	1.6820e+01	8.4098e-01	-7.8616e+00
41	412	-4.6447e-02	0.0000e+00	7.5054e-02	3.1933e+00	-4.6785e+00	-1.1570e+01
	540	-4.6447e-02	-1.2493e-01	2.2888e-01	-1.5134e+00	4.0773e+00	-9.7028e+00
	519	8.3641e-02	-1.2493e-01	2.1280e-01	-1.6993e+01	-7.3713e+00	-1.0622e+01
	52	8.3641e-02	0.0000e+00	5.8975e-02	2.1290e+01	4.0084e+00	-1.2489e+01
42	557	-1.2979e-01	-4.7572e-01	6.2163e-01	1.0691e+02	-3.7721e+01	-2.7455e+01
	490	-7.5473e-01	7.0115e-01	5.5742e+00	-3.8053e+01	-3.1330e+01	4.0165e+01
	488	9.1271e+00	4.4040e-01	3.8019e+00	1.6864e+02	3.8821e+01	5.2960e+01
	481	7.4330e+00	1.2147e+00	-2.9926e+00	4.1892e+01	4.3945e+00	8.7522e+00
43	480	-3.6264e+00	3.0394e+00	1.5280e-01	2.5927e+01	6.9075e+00	-3.3261e+01
	558	-2.8967e+00	2.2232e+00	8.3039e-02	1.8437e+01	1.4213e+01	-3.8756e+00
	557	4.2182e-01	2.0675e-01	-6.5976e-01	-1.0964e+01	-6.9132e+00	-9.7131e+00
	481	1.1516e+00	2.7712e+00	-2.1899e+00	3.4444e+01	1.6634e+01	-1.0251e+01
44	577	4.5963e-01	-3.8636e-01	-2.0348e+00	2.4463e+01	-1.4946e+01	-1.9910e+01
	480	4.4529e-01	-6.2693e-01	-1.9472e+00	4.5807e+01	-2.3608e+01	1.8542e+01
	481	7.7580e+00	-7.1818e-01	-2.0894e+00	7.9218e+01	3.3531e+01	2.8690e+01
	488	7.7436e+00	-4.7337e-01	-2.1558e+00	1.5375e+02	4.8955e+00	-1.7341e+00
45	559	3.8352e-01	6.6699e-01	-6.8035e-01	-1.2042e+00	7.9194e+00	2.5113e+00
	558	3.8352e-01	-3.3208e-01	2.3040e+00	1.0943e+01	1.6028e+01	6.9712e+00
	480	3.5206e-01	-3.3208e-01	3.1338e+00	-6.2303e+00	5.5048e+01	1.5113e+01
	472	3.5206e-01	-3.1903e+00	1.8602e-01	1.6976e+01	3.2352e+01	1.1864e+01
46	489	-1.1680e+00	-2.1465e+00	-3.2250e+00	2.2300e+01	9.2671e+01	4.9398e+01
	578	-1.5000e+00	2.2694e+00	-3.6553e+00	1.2144e+00	-3.7615e+00	3.5453e+01
	559	-1.7714e-01	7.4079e-01	1.6572e-01	-8.7041e+00	2.7966e+01	7.8002e+00
	472	-4.9081e-01	-1.1121e+01	2.1794e+00	1.2934e+01	6.6711e+01	1.1456e+01
47	577	5.8891e-15	7.3278e-02	2.4249e+00	-9.7864e+00	1.7401e+01	-2.0868e+01
	489	5.7816e-15	-9.0594e+00	2.7337e+00	1.8526e+01	1.1471e+02	-1.8248e+01
	472	3.5206e-01	-8.4226e+00	2.0281e+00	3.5775e+01	7.2785e+01	1.0458e+01
	480	3.5206e-01	7.3278e-02	1.8105e+00	-1.5172e+01	5.0811e+01	1.2025e+01
48	24	-3.4028e-02	5.2566e-02	4.0905e-01	-4.3613e+00	4.6606e+00	1.0141e+01
	427	-3.4028e-02	0.0000e+00	5.6997e-01	4.0532e+01	-2.5226e+00	4.6234e-01
	490	-5.3580e-02	0.0000e+00	6.8181e-01	1.9281e+02	-1.0470e+00	-9.3599e+00
	557	-5.3580e-02	5.2566e-02	5.2089e-01	-2.0998e+02	-1.1006e+00	3.1832e-01
49	505	1.3610e-02	3.4484e-02	6.7478e-01	1.3301e+01	8.1681e-01	-7.9899e+00
	428	1.3610e-02	0.0000e+00	7.3940e-01	2.6658e+01	-6.7097e-01	-5.6512e+00
	427	-3.4028e-02	0.0000e+00	5.7613e-01	4.2995e+01	1.6374e-01	-6.0364e+00
	24	-3.4028e-02	3.4484e-02	5.1151e-01	9.8737e+00	-1.0449e+00	-8.3752e+00
50	604	-7.1899e-01	5.7279e-01	3.2681e-01	2.9252e+00	-9.2271e+00	-8.3822e+00
	430	-6.5018e-01	6.9542e-01	4.4811e-01	-4.7035e-02	-2.8057e+00	-2.0083e+00
	428	-6.6326e-01	6.7688e-01	4.2773e-01	1.5881e+01	1.4133e+00	3.9498e+00
	505	-5.9445e-01	6.0084e-01	3.8663e-01	1.4675e+01	-5.7543e+00	-3.9168e+00
51	603	-6.4567e-01	6.4747e-01	4.0519e-01	5.0771e+00	2.1613e-02	-7.8549e+00
	583	-6.9428e-01	6.9536e-01	4.3584e-01	5.7229e-01	-8.5469e+00	-9.9965e+00
	430	-6.4848e-01	6.9817e-01	4.5106e-01	-4.5611e+00	-1.8252e+01	-1.4043e+01
	604	-6.9709e-01	6.2092e-01	3.6698e-01	3.3724e+00	-2.0563e+01	-3.8935e+00
52	602	6.0210e-01	-5.7029e-01	4.8662e-01	-1.8725e+01	-7.9913e+00	3.8928e+00
	437	5.3428e-01	-6.7242e-01	6.0803e-01	-3.6459e+01	-2.2490e+01	2.4453e+01
	583	6.4875e-01	-6.4767e-01	5.5481e-01	-7.1465e+00	-2.1222e+00	1.0598e+01
	603	5.8093e-01	-5.7591e-01	4.9760e-01	-1.2627e+01	9.0242e+00	2.2345e-01
53	601	6.2397e-01	-6.4360e-01	5.6426e-02	-2.8253e+01	-1.9551e+01	1.5524e+01
	446	6.2397e-01	-8.3229e-01	1.6533e-01	-4.3631e+01	-3.4940e+01	3.4029e+01
	437	7.7602e-01	-8.6489e-01	1.1311e-01	-3.2574e+01	-2.0745e+01	2.8391e+01

	602	7.7602e-01	-6.7619e-01	4.2033e-03	-2.6345e+01	-7.9851e+00	1.8345e+01
54	600	4.9058e-01	-4.5276e-01	1.6818e-01	-1.2574e+01	-4.2707e+00	1.1884e+01
	455	5.1767e-01	-5.7131e-01	2.3542e-01	-5.1025e+01	-1.4033e+01	2.8106e+01
	446	5.7969e-01	-6.1322e-01	2.4439e-01	-6.6463e+01	-1.0728e+01	3.3722e+01
	601	6.0678e-01	-4.6611e-01	1.3777e-01	-3.5334e+01	-8.1932e+00	2.1006e+01
55	599	1.9170e-01	-2.2711e-01	1.5035e-01	-3.8077e+01	1.2443e+01	4.0465e+01
	460	1.9170e-01	-3.3955e-01	3.2500e-01	-4.6609e+01	-1.5871e+01	3.9538e+01
	455	4.0569e-01	-4.4976e-01	3.9558e-01	-5.5830e+01	-9.5650e+00	2.6692e+01
	600	4.0569e-01	-3.3732e-01	2.2093e-01	-2.7754e+01	-1.0214e+01	8.4421e+00
56	598	-1.0075e+00	-3.4026e-01	5.9316e-01	-2.0729e+02	-6.3593e+01	2.7876e+01
	25	-1.0482e+00	-1.8486e-01	5.2242e-01	-4.1188e+02	-6.8346e+01	1.5508e+02
	460	1.4697e-01	-6.9746e-02	1.3473e-01	-1.3169e+02	-2.7094e+01	1.0342e+02
	599	1.0621e-01	-2.4159e-01	2.5058e-01	-9.9696e+01	3.5084e+01	2.7737e+01
57	597	-9.5468e-02	8.5111e-02	6.2514e-01	-1.6274e+01	-1.3937e+01	5.6691e-01
	24	-9.5468e-02	5.2566e-02	4.6543e-01	1.4859e+01	-7.1672e+00	1.0115e+01
	557	1.0191e+00	5.2566e-02	3.9262e-01	1.6461e+02	5.9226e+00	-2.3095e+00
	537	1.0191e+00	8.5111e-02	5.5233e-01	-1.1341e+02	2.1712e+01	-1.1858e+01
58	596	-5.8160e-02	3.6177e-02	7.5119e-01	-5.9122e-01	1.3409e+00	-5.5352e+00
	505	-5.8160e-02	3.4484e-02	6.6254e-01	6.5622e+00	1.3038e+00	-8.5665e+00
	24	-9.5468e-02	3.4484e-02	5.6789e-01	1.9239e+00	-2.4655e+00	-7.8791e+00
	597	-9.5468e-02	3.6177e-02	6.5655e-01	-1.2685e+01	-3.0007e+00	-4.8479e+00
59	595	-3.2595e-02	8.4635e-04	8.3162e-01	1.4300e+01	6.1413e+00	-8.9534e+00
	604	-3.2595e-02	-7.2162e-03	7.1338e-01	1.0118e+01	3.6795e+00	-1.1748e+01
	505	-5.8160e-02	-7.2162e-03	6.9949e-01	1.1679e+01	-2.0457e-01	-1.0032e+01
	596	-5.8160e-02	8.4635e-04	8.1773e-01	2.4549e+00	-4.5320e+00	-7.2371e+00
60	594	-1.1137e-02	-8.3543e-04	8.6910e-01	3.5285e+01	4.5656e+00	-6.8505e+00
	603	-1.1137e-02	7.2058e-04	7.4581e-01	6.3744e+00	8.7441e+00	-9.2746e+00
	604	-3.2595e-02	7.2058e-04	7.4142e-01	6.2240e+00	-8.8266e+00	-9.3024e+00
	595	-3.2595e-02	-8.3543e-04	8.6472e-01	2.2056e+01	-4.6278e+00	-6.8784e+00
61	593	1.7401e-02	-3.2322e-03	8.7754e-01	4.9953e+01	-1.2609e+00	-9.5779e+00
	602	1.7401e-02	3.9446e-03	7.7441e-01	-1.5134e+00	-2.2700e+00	-1.0198e+01
	603	-1.1137e-02	3.9446e-03	7.4577e-01	5.9762e+00	3.8799e+00	-8.2130e+00
	594	-1.1137e-02	-3.2322e-03	8.4890e-01	3.9608e+01	1.1443e+00	-7.5924e+00
62	592	4.9613e-02	-1.5539e-02	6.8623e-01	6.5919e+01	1.8948e+00	-6.0249e+00
	601	4.9613e-02	-6.3296e-03	6.0479e-01	-3.0052e+00	-2.6524e+00	-7.6375e+00
	602	1.7401e-02	-6.3296e-03	7.3187e-01	1.2607e+00	3.8781e-02	-8.2710e+00
	593	1.7401e-02	-1.5539e-02	8.1331e-01	5.2752e+01	-4.0494e+00	-6.6584e+00
63	591	2.0014e-03	3.8415e-03	5.6462e-01	6.3499e+01	-8.4324e-01	-6.3904e+00
	600	2.0014e-03	8.7224e-03	4.9385e-01	2.5750e+00	5.6565e+00	-6.3084e+00
	601	4.9613e-02	8.7224e-03	5.2585e-01	5.0817e+00	2.4804e+00	-1.1728e+00
	592	4.9613e-02	3.8415e-03	5.9661e-01	6.1445e+01	5.2585e+00	-1.2547e+00
64	590	1.1111e-01	-3.1276e-02	4.2894e-01	5.8888e+01	1.9236e+01	-1.9679e+01
	599	1.1111e-01	-3.9806e-02	3.4247e-01	-3.5067e+01	3.1074e+01	-1.5600e+01
	600	2.0014e-03	-3.9806e-02	4.0789e-01	-1.0676e+01	-9.7704e+00	-3.2405e+00
	591	2.0014e-03	-3.1276e-02	4.9436e-01	5.7013e+01	-6.8892e+00	-7.3196e+00
65	589	-3.8984e-01	-2.9470e-02	1.9700e-01	2.8472e+01	-2.4890e+01	-3.1497e+01
	598	-3.8984e-01	-1.1464e-01	2.2306e-01	-1.4421e+02	-4.8981e+01	-1.1093e+01
	599	1.1111e-01	-1.1464e-01	3.6978e-01	-6.7918e+01	4.2572e+01	-1.1405e+01
	590	1.1111e-01	-2.9470e-02	3.4373e-01	5.0339e+01	1.8740e+01	-3.1809e+01
66	415	-1.9029e-01	0.0000e+00	4.5484e-01	-3.3257e+01	-2.0445e+00	-8.4479e+00
	597	-1.9029e-01	8.5111e-02	7.0252e-01	-1.1791e+01	-1.7578e+01	8.0546e-01
	537	3.5143e-01	8.5111e-02	4.5467e-01	5.1710e+01	2.1943e+01	3.8217e+00
	53	3.5143e-01	0.0000e+00	2.0699e-01	-4.5766e+01	4.2194e+00	-5.4316e+00
67	418	-5.4233e-02	0.0000e+00	5.9454e-01	-1.9919e+01	9.8364e-01	2.7791e+00
	596	-5.4233e-02	3.6177e-02	7.4589e-01	-6.3813e+00	1.1644e+00	-1.6226e+00
	597	-1.9029e-01	3.6177e-02	7.3392e-01	-1.3082e+01	-3.1607e+00	-4.2535e+00
	415	-1.9029e-01	0.0000e+00	5.8256e-01	-3.7514e+01	-1.0735e+00	1.4819e-01

68	425	-3.8398e-02	-2.7606e-30	6.4744e-01	2.7886e+01	4.5530e+00	7.5608e+00
	595	-3.8398e-02	8.4635e-04	8.6079e-01	1.8337e+01	7.9535e+00	-5.8225e+00
	596	-5.4233e-02	8.4635e-04	8.1243e-01	4.8348e+00	-7.2205e+00	-5.3546e+00
	418	-5.4233e-02	-2.0880e-30	5.9908e-01	-7.8606e+00	-4.3287e+00	8.0288e+00
69	450	-3.8718e-02	3.9203e-30	6.3308e-01	7.1263e+01	1.5222e+00	2.6769e+00
	594	-3.8718e-02	-8.3543e-04	8.8535e-01	4.0781e+01	4.7307e+00	-4.1396e+00
	595	-3.8398e-02	-8.3543e-04	8.9389e-01	2.8072e+01	-3.9268e+00	-2.6285e+00
	425	-3.8398e-02	3.9732e-30	6.4162e-01	4.6347e+01	-1.8133e+00	4.1880e+00
70	451	-3.2354e-02	0.0000e+00	6.9364e-01	1.0831e+02	1.0987e+00	-2.4300e-02
	593	-3.2354e-02	-3.2322e-03	8.9619e-01	6.1739e+01	1.0178e+00	-6.8876e+00
	594	-3.8718e-02	-3.2322e-03	8.6514e-01	5.1880e+01	6.2330e-01	-4.1402e+00
	450	-3.8718e-02	0.0000e+00	6.6260e-01	8.6601e+01	-1.8467e+00	2.7231e+00
71	454	1.2880e-01	0.0000e+00	5.9518e-01	1.6267e+02	1.3918e+00	1.9597e+00
	592	1.2880e-01	-1.5539e-02	6.6823e-01	8.2193e+01	4.4048e+00	-6.2167e+00
	593	-3.2354e-02	-1.5539e-02	8.3195e-01	7.3279e+01	-3.7373e+00	-3.7048e+00
	451	-3.2354e-02	0.0000e+00	7.5890e-01	1.2645e+02	-2.5446e+00	4.4716e+00
72	457	2.0378e-02	-1.0179e-15	4.9317e-01	1.3735e+02	-1.6164e+00	-1.2951e+01
	591	2.0378e-02	3.8415e-03	5.7684e-01	7.7842e+01	-1.8953e+00	-6.7336e+00
	592	1.2880e-01	3.8415e-03	5.7862e-01	9.0193e+01	6.8073e+00	2.1467e-01
	454	1.2880e-01	-1.0215e-15	4.9495e-01	1.5931e+02	1.4933e+00	-6.0028e+00
73	462	1.0216e-01	2.5218e-30	4.0724e-01	1.7630e+02	3.3095e+00	-1.5518e+01
	590	1.0216e-01	-3.1276e-02	4.3276e-01	7.8004e+01	1.7816e+01	-2.2703e+01
	591	2.0378e-02	-3.1276e-02	5.0659e-01	7.8254e+01	-7.0592e+00	-9.1772e+00
	457	2.0378e-02	2.9790e-30	4.8107e-01	1.3639e+02	-2.3543e+00	-1.9922e+00
74	414	7.4654e-02	-4.6918e-16	1.1620e-01	2.6400e+02	-1.1327e-01	-2.3361e+01
	589	7.4654e-02	-2.9470e-02	1.9008e-01	9.3996e+01	-1.0254e+01	-3.6468e+01
	590	1.0216e-01	-2.9470e-02	3.4755e-01	8.2541e+01	1.2290e+01	-3.0007e+01
	462	1.0216e-01	-1.1196e-15	2.7367e-01	2.1240e+02	-3.2228e+00	-1.6900e+01
75	575	-1.8063e-01	7.1140e-02	1.4297e-01	1.9099e+01	-1.3342e+01	-1.1350e+00
	410	-1.3888e-01	1.2170e-01	2.4860e-01	1.0036e+02	-3.7652e+00	2.2505e+01
	471	-5.7249e-02	4.8329e-02	9.8484e-02	1.4915e+02	9.1248e+00	3.2866e+01
	576	-1.5497e-02	2.6069e-03	1.2972e-02	1.6855e+01	3.9337e+00	-9.4681e+00
76	574	-3.5345e-01	2.4149e-01	1.9202e-01	1.1440e+01	-9.1491e+00	-2.6725e+00
	408	-3.5345e-01	3.3502e-01	2.8288e-01	6.5190e+01	-1.3512e+00	2.0119e+01
	410	-2.2720e-01	3.0115e-01	2.7510e-01	6.3876e+01	8.4252e+00	1.8944e+01
	575	-2.2720e-01	2.0762e-01	1.8424e-01	-9.0534e-01	-3.7741e+00	-6.7913e+00
77	573	-5.9897e-01	4.3680e-01	2.5468e-03	1.8076e+01	-8.9796e+00	5.3028e+00
	405	-5.6249e-01	5.9702e-01	1.1405e-01	3.4699e+01	-2.6012e-01	1.6771e+01
	408	-4.8236e-01	5.2967e-01	1.0825e-01	4.1940e+01	1.1761e+01	2.0930e+01
	574	-4.4589e-01	4.2084e-01	5.7975e-02	4.3265e+00	-7.7525e+00	-7.7384e+00
78	572	-5.3603e-01	5.1097e-01	2.5045e-01	6.1070e+00	-1.3583e+01	-5.5159e+00
	585	-5.9652e-01	5.7323e-01	2.8025e-01	6.1438e+00	-7.0763e-01	5.8065e+00
	405	-4.6809e-01	5.9893e-01	3.4070e-01	2.9219e+01	1.9573e+01	1.7552e+01
	573	-5.2859e-01	4.8923e-01	2.3514e-01	1.0072e+01	3.7321e+00	-3.6904e+00
79	571	5.2276e-01	-4.7264e-01	3.9206e-01	-6.5747e+00	2.6459e+01	-5.7009e+00
	404	4.8790e-01	-5.2066e-01	4.5374e-01	7.7507e+00	2.7504e+01	-2.3511e+01
	585	4.8005e-01	-5.0334e-01	4.3672e-01	-6.2269e+00	1.1015e+01	-1.6487e+01
	572	4.4519e-01	-4.6960e-01	4.0659e-01	-1.6119e+01	-4.1177e+00	-6.1709e+00
80	570	6.4103e-01	-6.0669e-01	1.8532e-01	-9.1076e+00	1.3198e+01	-2.6280e+00
	403	6.5417e-01	-6.7568e-01	2.2755e-01	-5.9159e-01	1.2596e+01	-7.8592e+00
	404	6.2024e-01	-6.7649e-01	2.4044e-01	5.6780e+00	1.2531e+01	-1.1320e+01
	571	6.3338e-01	-5.9351e-01	1.7904e-01	-5.4678e+00	9.4362e+00	-7.4243e+00
81	569	5.1250e-01	-4.8818e-01	3.6541e-01	-7.3391e+00	1.0542e+01	-4.4584e+00
	402	5.1607e-01	-5.4890e-01	4.2487e-01	-5.1977e+00	7.6756e+00	-5.6941e+00
	403	5.4233e-01	-5.6566e-01	4.3523e-01	1.8129e+00	8.1559e+00	-9.6213e+00
	570	5.4590e-01	-5.0315e-01	3.7220e-01	-9.3554e+00	5.8795e+00	-6.5266e+00
82	568	2.6129e-01	-2.4931e-01	5.0070e-01	-7.4309e+00	3.1859e+00	-5.3961e+00

	401	2.8694e-01	-2.7004e-01	5.5408e-01	-1.5160e+01	1.1223e+00	-1.3657e+00
	402	2.8096e-01	-2.8300e-01	5.8293e-01	-4.7050e+00	2.8211e+00	-4.9577e+00
	569	3.0661e-01	-2.6007e-01	5.1888e-01	-5.2903e+00	4.7557e+00	-7.6193e+00
83	567	1.8089e-01	1.1369e-03	4.0393e-01	2.3849e+01	-4.0646e+00	-2.8501e+00
	470	1.8089e-01	-4.4707e-16	5.0110e-01	-1.4548e+01	1.8265e-01	-6.7657e+00
	401	1.6899e-02	-1.7855e-16	6.0397e-01	-1.2182e+01	1.1493e-01	-5.1856e+00
	568	1.6899e-02	1.1369e-03	5.0680e-01	-1.3066e-01	3.2171e+00	-1.2700e+00
84	566	1.0164e+00	3.4957e-02	2.2592e-01	2.1156e-01	7.6186e+00	-1.8098e-01
	581	1.0164e+00	-5.6295e-16	1.0577e+00	9.4258e+00	3.1707e-01	-5.0085e+00
	470	1.8089e-01	-5.6295e-16	7.4559e-01	3.6274e+01	-1.2345e+00	-8.8229e+00
	567	1.8089e-01	3.4957e-02	-8.6141e-02	-4.6668e+01	-4.8591e+00	-3.9954e+00
85	565	-3.5105e+00	-4.2405e-01	-1.9778e+00	-5.8106e+01	-2.0422e+01	-2.8566e+01
	483	-2.0089e+00	8.9075e-01	1.4568e+00	-7.6854e+01	-3.1592e-01	-7.4167e+00
	581	-4.5677e-01	1.4732e+00	2.7810e+00	-1.4039e+01	1.0591e+01	5.3311e+00
	566	1.0448e+00	3.1427e-01	3.6292e-02	-2.8004e+00	8.0156e+00	-1.8912e+01
86	564	7.0091e+00	-4.1342e-01	-1.3359e+00	1.3442e+02	1.2726e+02	2.7323e+01
	482	6.3770e+00	-4.8495e-01	-1.0804e-01	8.2371e+01	9.0404e+00	-3.5436e+01
	483	-3.2989e+00	-5.7275e-01	-1.5320e+00	-5.8032e+01	-8.2093e+01	-9.4504e+01
	565	-3.9310e+00	-4.9160e-01	-2.9053e+00	-8.5489e+00	-1.2224e+02	8.1578e+00
87	562	-1.4519e-03	-1.0902e-01	2.2795e-01	2.0735e+01	1.0311e+01	4.4325e+00
	580	-1.4519e-03	-2.8147e-16	3.5490e-01	1.8443e+01	-5.0511e+00	2.4160e+01
	484	-3.3096e-01	-2.8147e-16	3.4071e-01	1.5265e+02	-9.7343e-01	4.3184e+01
	563	-3.3096e-01	-1.0902e-01	2.1375e-01	-3.4751e+00	-2.9983e+01	2.3456e+01
88	561	1.0167e-01	1.0278e-02	1.6190e-01	6.4713e+00	1.7697e+01	3.2396e+00
	486	1.0167e-01	-1.1208e-15	2.2226e-01	-1.0778e+01	2.2575e+00	8.3609e-01
	580	-1.4519e-03	-9.9643e-16	2.7913e-01	-9.7240e+00	-2.6604e+00	3.9033e+00
	562	-1.4519e-03	1.0278e-02	2.1878e-01	-5.7408e+00	-2.0743e+01	6.3068e+00
89	559	7.6948e-01	-1.5409e-01	1.1435e-01	7.3981e+00	-9.7864e+00	-7.9320e+00
	578	7.6948e-01	-2.8147e-16	7.9981e-01	4.9774e-01	-7.1211e-01	-1.2118e+01
	579	2.9448e-01	-2.8147e-16	5.9723e-01	-4.8995e+00	-6.0213e-01	-6.5022e+00
	560	2.9448e-01	-1.5409e-01	-8.8223e-02	-7.0351e+00	3.7305e+00	-2.3163e+00
90	555	-6.2799e-02	-4.0217e-02	2.9290e-01	-1.6542e+02	-2.5984e-02	-7.3106e+00
	575	-6.2799e-02	-3.9696e-03	1.5797e-01	-4.9249e+01	-7.7781e+00	-7.2840e+00
	576	-1.9086e-01	-3.9696e-03	2.4515e-02	-3.7344e+01	4.5821e+00	-1.2107e+01
	556	-1.9086e-01	-4.0217e-02	1.5944e-01	-1.7720e+02	8.4003e-01	-1.2133e+01
91	554	-7.3318e-02	-1.2002e-02	4.2750e-01	-1.3764e+02	2.8033e+00	-4.0230e+00
	574	-7.3318e-02	-8.2120e-03	3.5335e-01	-4.7587e+01	-6.8000e-02	-7.7456e+00
	575	-6.2799e-02	-8.2120e-03	2.6032e-01	-4.4836e+01	-4.9184e+00	-1.3322e+01
	555	-6.2799e-02	-1.2002e-02	3.3448e-01	-1.6094e+02	-3.7484e+00	-9.5998e+00
92	553	-5.7601e-02	6.0772e-03	5.5540e-01	-1.0647e+02	2.0208e+00	-3.4614e+00
	573	-5.7601e-02	1.4765e-03	4.8990e-01	-4.4697e+01	-2.3334e+00	-7.4012e+00
	574	-7.3318e-02	1.4765e-03	4.3729e-01	-3.8724e+01	-6.8028e-01	-1.1792e+01
	554	-7.3318e-02	6.0772e-03	5.0279e-01	-1.3172e+02	-1.4433e+00	-7.8523e+00
93	552	-2.7605e-02	1.2012e-03	6.5753e-01	-8.0145e+01	2.0767e+00	-5.4881e+00
	572	-2.7605e-02	-1.7612e-03	5.8060e-01	-2.7078e+01	-1.6169e+00	-1.0299e+01
	573	-5.7601e-02	-1.7612e-03	5.4096e-01	-3.0616e+01	3.2499e+00	-1.1934e+01
	553	-5.7601e-02	1.2012e-03	6.1789e-01	-1.0176e+02	8.0707e-01	-7.1231e+00
94	551	-1.9263e-02	3.0430e-04	7.0996e-01	-5.6012e+01	6.6577e+00	-4.3815e+00
	571	-1.9263e-02	-1.1178e-03	6.3121e-01	-1.7778e+01	1.1519e+01	-8.5403e+00
	572	-2.7605e-02	-1.1178e-03	6.1226e-01	-2.2876e+01	-1.1332e+01	-1.0492e+01
	552	-2.7605e-02	3.0430e-04	6.9101e-01	-7.0044e+01	-4.7740e+00	-6.3333e+00
95	550	8.4634e-03	-3.0481e-04	7.3116e-01	-2.6544e+01	2.7630e+00	-5.3280e+00
	570	8.4634e-03	4.7064e-04	6.4275e-01	-1.1119e+01	2.8285e+00	-9.6213e+00
	571	-1.9263e-02	4.7064e-04	6.3764e-01	-1.7817e+01	-4.2236e+00	-1.1374e+01
	551	-1.9263e-02	-3.0481e-04	7.2606e-01	-4.4169e+01	-2.9205e+00	-7.0808e+00
96	549	4.0316e-02	1.3791e-03	7.0343e-01	-9.3178e-01	4.4442e+00	-5.3739e+00
	569	4.0316e-02	6.5840e-04	6.1444e-01	-1.8753e+00	3.6911e+00	-9.0522e+00

	570	8.4634e-03	6.5840e-04	6.3503e-01	-4.0126e+00	-2.7100e+00	-9.8038e+00
	550	8.4634e-03	1.3791e-03	7.2403e-01	-1.8563e+01	-2.9038e+00	-6.1254e+00
97	548	4.3266e-02	-5.4250e-03	6.4301e-01	1.2798e+01	5.5052e+00	-4.6465e+00
	568	4.3266e-02	-4.9147e-03	5.5481e-01	3.0737e+00	1.9670e+00	-6.7224e+00
	569	4.0316e-02	-4.9147e-03	5.8422e-01	2.6158e+00	7.6798e-01	-8.3521e+00
	549	4.0316e-02	-5.4250e-03	6.7242e-01	3.7073e+00	-1.3530e+00	-6.2763e+00
98	547	-9.2776e-02	-8.7638e-03	5.2376e-01	-4.3810e+00	-6.4667e+00	-4.6589e+00
	567	-9.2776e-02	1.1369e-03	3.9921e-01	-1.4012e+01	-6.0935e+00	5.1664e-01
	568	4.3266e-02	1.1369e-03	4.9969e-01	7.5883e-01	6.0609e+00	-7.9124e-01
	548	4.3266e-02	-8.7638e-03	6.2423e-01	9.4165e+00	7.3819e+00	-5.9668e+00
99	546	-2.4448e-01	-6.6835e-02	1.0743e+00	8.4545e+00	6.9126e+00	-4.7432e+00
	566	-2.4448e-01	3.4957e-02	3.7831e-01	-5.7448e-01	3.3674e+00	-3.6561e+00
	567	-9.2776e-02	3.4957e-02	-1.7840e-01	5.0495e+01	-3.7731e+00	-1.6847e+00
	547	-9.2776e-02	-6.6835e-02	5.1760e-01	-3.8104e+01	-9.2187e+00	-2.7718e+00
100	545	-1.1195e+00	2.5517e-01	1.3233e-01	3.1645e+00	-2.1369e-01	-1.3238e+01
	565	-1.1195e+00	3.4267e-01	-7.9065e-01	1.8445e+01	-6.2903e+00	-1.6059e+01
	566	-2.4448e-01	3.4267e-01	6.5831e-03	2.8133e+00	1.0105e+01	-1.3274e+01
	546	-2.4448e-01	2.5517e-01	9.2955e-01	7.0901e+00	1.3433e+00	-1.0453e+01
101	544	2.7948e+00	3.9375e-01	-1.3464e+00	8.3540e+01	6.2852e+01	6.5316e+00
	564	2.7948e+00	7.0361e-01	-2.3182e+00	2.0780e+01	1.1168e+02	-1.0377e+01
	565	-1.1195e+00	7.0361e-01	-1.6090e+00	-1.4150e+01	-9.4566e+01	-5.6222e+00
	545	-1.1195e+00	3.9375e-01	-6.3730e-01	3.2221e+01	-4.9465e+01	1.1286e+01
102	542	4.1839e-02	-5.6296e-02	2.4577e-01	1.9488e+01	6.4616e+00	-1.2265e+01
	562	4.1839e-02	-1.0902e-01	2.0497e-01	2.4661e+01	1.0029e+01	-4.3624e+00
	563	-1.5719e-01	-1.0902e-01	1.8954e-01	8.2366e+01	-3.4557e+01	-1.4502e+01
	543	-1.5719e-01	-5.6296e-02	2.3034e-01	5.8460e+00	-2.3716e+01	-2.2405e+01
103	541	1.0559e-02	-1.4816e-02	2.1699e-01	1.7551e+01	4.9997e+00	-7.0703e+00
	561	1.0559e-02	1.0278e-02	1.6254e-01	-1.6041e+01	1.7217e+01	-6.2361e+00
	562	4.1839e-02	1.0278e-02	1.9580e-01	-9.5590e-01	-2.0117e+01	-5.5722e+00
	542	4.1839e-02	-1.4816e-02	2.5025e-01	6.3379e+00	-8.4722e+00	-6.4063e+00
104	539	-5.5365e-01	4.4267e-03	8.6425e-01	-1.1908e+01	-1.0682e+01	-2.9004e-01
	559	-5.5365e-01	-1.5409e-01	4.2976e-01	-1.5766e+00	-1.2254e+01	9.9565e-01
	560	-4.0631e-02	-1.5409e-01	-4.3871e-01	-1.2876e+00	5.1614e+00	-1.1525e+00
	540	-4.0631e-02	4.4267e-03	-4.2260e-03	-6.1060e+00	5.4037e+00	-2.4382e+00
105	538	-2.0781e-01	1.9255e-01	-1.7498e+00	-1.3181e+01	8.6753e+00	-4.2925e+00
	558	-2.0781e-01	3.8352e-01	-1.8122e+00	1.4130e+01	1.1244e+01	-6.7507e+00
	559	-5.5365e-01	3.8352e-01	3.1086e-01	7.9342e+00	-3.0262e+00	-2.3953e+00
	539	-5.5365e-01	1.9255e-01	3.7319e-01	-1.8412e+01	-4.2054e+00	6.2942e-02
106	537	1.0191e+00	-1.2620e-01	4.0818e-01	1.4012e+01	-2.5446e+01	-1.6932e+01
	557	1.0191e+00	-3.4141e-01	1.3770e-01	-6.1782e+01	-2.2996e+01	-6.5601e+00
	558	-2.0781e-01	-3.4141e-01	-2.0695e+00	6.3463e+00	1.8162e+01	-5.8848e-01
	538	-2.0781e-01	-1.2620e-01	-1.7990e+00	-1.1184e+01	1.4841e+01	-1.0960e+01
107	411	-2.1700e-01	6.9907e-17	2.1427e-02	-3.3524e+02	4.0930e+00	1.0426e+01
	555	-2.1700e-01	-4.0217e-02	2.6373e-01	-2.1125e+02	3.3710e-02	-2.0673e+00
	556	-5.8946e-01	-4.0217e-02	2.4671e-01	-2.2619e+02	-4.7009e+00	-1.0642e+01
	61	-5.8946e-01	3.0407e-18	4.4012e-03	-3.8041e+02	-1.6304e+00	1.8511e+00
108	409	-1.1596e-01	-7.4007e-16	3.5934e-01	-2.6666e+02	2.9677e+00	1.2018e+01
	554	-1.1596e-01	-1.2002e-02	4.3345e-01	-1.7389e+02	2.2428e+00	1.2740e+00
	555	-2.1700e-01	-1.2002e-02	3.0531e-01	-1.9141e+02	-5.8208e+00	-5.3543e+00
	411	-2.1700e-01	-4.7525e-16	2.3120e-01	-3.0845e+02	-1.7425e+00	5.3898e+00
109	187	-7.8824e-02	0.0000e+00	4.6393e-01	-2.0320e+02	3.2988e+00	1.2903e+01
	553	-7.8824e-02	6.0772e-03	5.6433e-01	-1.3779e+02	1.7996e+00	1.6766e+00
	554	-1.1596e-01	6.0772e-03	5.0873e-01	-1.5276e+02	-4.0297e+00	-2.7683e+00
	409	-1.1596e-01	0.0000e+00	4.0833e-01	-2.4314e+02	-1.8935e+00	8.4578e+00
110	407	-3.9756e-02	-1.0750e-15	5.3554e-01	-1.4852e+02	2.7152e+00	9.9615e+00
	552	-3.9756e-02	1.2012e-03	6.6866e-01	-9.7125e+01	1.8563e+00	-1.9283e-01
	553	-7.8824e-02	1.2012e-03	6.2682e-01	-1.1574e+02	-1.6746e+00	-1.6908e+00

	187	-7.8824e-02	-9.8824e-16	4.9369e-01	-1.8300e+02	-1.3875e+00	8.4635e+00
111	406	-2.8531e-02	1.1574e-15	5.6756e-01	-1.0340e+02	2.9235e+00	8.5976e+00
	551	-2.8531e-02	3.0430e-04	7.2399e-01	-6.6830e+01	5.3045e+00	-1.5485e-01
	552	-3.9756e-02	3.0430e-04	7.0215e-01	-8.2600e+01	-5.5226e+00	-1.6454e+00
	407	-3.9756e-02	1.1122e-15	5.4572e-01	-1.2789e+02	-1.8454e+00	7.1070e+00
112	186	1.6653e-02	1.9763e-33	5.8437e-01	-5.2320e+01	1.9062e+00	7.6849e+00
	550	1.6653e-02	-3.0481e-04	7.3879e-01	-3.6036e+01	2.8783e+00	-8.5981e-01
	551	-2.8531e-02	-3.0481e-04	7.4009e-01	-5.4704e+01	-3.4441e+00	-2.0509e+00
	406	-2.8531e-02	1.9957e-33	5.8567e-01	-8.2060e+01	-1.6310e+00	6.4938e+00
113	400	5.9269e-02	-2.2506e-33	5.6215e-01	7.3522e-01	2.2213e+00	6.2041e+00
	549	5.9269e-02	1.3791e-03	7.2017e-01	-3.7957e+00	4.7271e+00	-2.5849e+00
	550	1.6653e-02	1.3791e-03	7.3165e-01	-1.8884e+01	-3.5538e+00	-1.4823e+00
	186	1.6653e-02	-2.3497e-33	5.7364e-01	-3.1412e+01	-1.8686e+00	7.3067e+00
114	399	1.1502e-01	-1.3405e-33	4.9633e-01	3.9665e+01	2.0766e+00	-4.6215e-01
	548	1.1502e-01	-5.4250e-03	6.5154e-01	1.3748e+01	6.2207e+00	-6.6443e+00
	549	5.9269e-02	-5.4250e-03	6.8916e-01	8.2020e+00	-1.9525e+00	-2.3012e+00
	400	5.9269e-02	-1.7324e-33	5.3394e-01	1.6773e+01	-1.5852e+00	3.8810e+00
115	60	8.6439e-02	6.4127e-17	3.3893e-01	4.4198e+01	-1.1598e+00	-1.0416e+01
	547	8.6439e-02	-8.7638e-03	5.4486e-01	-2.1093e+00	-5.2847e+00	-7.4895e+00
	548	1.1502e-01	-8.7638e-03	6.3277e-01	1.6116e+01	7.0229e+00	-4.6691e+00
	399	1.1502e-01	7.3257e-17	4.2684e-01	4.2125e+01	8.5411e-01	-7.5954e+00
116	91	4.8699e-02	0.0000e+00	4.5924e-01	9.1141e+00	3.3487e+00	4.4569e+00
	546	4.8699e-02	-6.6835e-02	9.2497e-01	5.9778e+00	5.0057e+00	-2.0980e+00
	547	8.6439e-02	-6.6835e-02	5.9719e-01	3.2548e+01	-9.7369e+00	-7.1898e+00
	60	8.6439e-02	0.0000e+00	1.3146e-01	-4.4656e+01	-3.1715e+00	-6.3486e-01
117	168	-4.6676e-01	0.0000e+00	-7.6923e-01	4.1435e+01	2.6707e+00	2.9218e+00
	545	-4.6676e-01	2.5517e-01	-2.2916e-01	4.5796e+01	2.7604e+00	-8.7303e+00
	546	4.8699e-02	2.5517e-01	7.8021e-01	1.6646e+01	-2.6424e+00	-8.6139e+00
	91	4.8699e-02	0.0000e+00	2.4014e-01	2.2235e+01	-2.6649e+00	3.0382e+00
118	1	5.3742e-01	-1.0936e-15	-1.0662e+00	8.2475e+00	3.8120e+00	-1.0605e+01
	544	5.3742e-01	3.9375e-01	-1.0199e+00	1.4278e+01	4.6228e+01	-1.1205e+00
	545	-4.6676e-01	3.9375e-01	-9.9878e-01	2.3805e+01	-3.4772e+01	1.0389e+01
	168	-4.6676e-01	-1.0737e-15	-1.0451e+00	4.7098e+01	-1.3819e+00	9.0524e-01
119	421	5.5437e-02	-1.5636e-31	1.6033e-01	2.9216e+01	7.8572e-01	-1.2241e+01
	542	5.5437e-02	-5.6296e-02	2.1017e-01	1.8488e+01	7.4477e+00	-1.5711e+01
	543	3.4933e-02	-5.6296e-02	2.5458e-01	2.1125e+01	-2.0537e+01	-2.9780e+01
	58	3.4933e-02	-1.8429e-31	2.0473e-01	7.2331e+00	-3.7820e+00	-2.6310e+01
120	536	-2.5064e-02	-3.5448e-16	1.6558e-01	2.8627e+01	-8.1868e-01	-1.2938e+01
	541	-2.5064e-02	-1.4816e-02	2.4683e-01	-1.1009e+01	2.2972e+00	-7.8810e+00
	542	5.5437e-02	-1.4816e-02	2.1465e-01	1.6483e+01	-4.1540e+00	-8.7970e+00
	421	5.5437e-02	-2.8810e-16	1.3340e-01	2.4609e+01	-2.4889e-01	-1.3854e+01
121	398	-4.1859e-01	-5.7060e-32	2.3354e-01	-4.2715e+01	-3.4798e+00	-1.0610e+01
	539	-4.1859e-01	4.4267e-03	4.1221e-01	-2.1189e+01	-1.0988e+01	-3.2809e-01
	540	-4.6447e-02	4.4267e-03	2.4518e-01	-7.8161e+00	6.6897e+00	-4.5878e+00
	412	-4.6447e-02	-4.1646e-32	6.6513e-02	-7.3794e+00	2.7778e+00	-1.4870e+01
122	413	-1.5837e-01	-2.4300e-15	-1.1845e+00	-4.8586e+01	1.5840e+00	-1.5143e+00
	538	-1.5837e-01	1.9255e-01	-1.2360e+00	-2.2877e+01	6.1623e+00	-3.1262e+00
	539	-4.1859e-01	1.9255e-01	-7.8851e-02	-2.1689e+01	-4.8530e+00	-2.9116e+00
	398	-4.1859e-01	-4.3758e-17	-2.7398e-02	-5.7266e+01	-4.5939e-01	-1.2997e+00
123	53	3.5143e-01	-3.2452e-32	-5.3158e-03	3.1003e+01	2.1362e-01	6.6365e+00
	537	3.5143e-01	-1.2620e-01	-1.9767e-01	-3.9815e+01	-1.9645e+01	-3.7484e+00
	538	-1.5837e-01	-1.2620e-01	-1.2851e+00	-1.8896e+01	1.1419e+01	-9.3818e+00
	413	-1.5837e-01	1.3553e-31	-1.0928e+00	-3.2903e+01	-2.9951e+00	1.0032e+00
251	394	-2.8286e-01	2.9315e-01	-1.2326e-01	5.4705e+00	-3.1137e+00	-8.3263e+00
	397	-2.8286e-01	0.0000e+00	1.9222e+00	3.3976e+00	-4.8889e+00	-6.7370e-01
	504	6.0782e+00	-1.8733e-29	2.4221e+00	2.5665e+01	3.7739e+00	-6.4574e-01
	395	6.0782e+00	2.9315e-01	3.7670e-01	9.1966e-01	1.9505e+00	-8.2983e+00

252	393	1.8527e-01	1.9074e-01	-1.1023e-01	3.4904e+00	-8.7667e-02	-7.1707e+00
	396	1.8527e-01	-1.5535e-15	-1.1298e-01	7.4768e-01	4.4886e-02	-6.9556e+00
	397	-2.8286e-01	-1.5233e-15	1.2005e-01	4.5556e-01	2.2724e-02	-6.3066e+00
	394	-2.8286e-01	1.9074e-01	1.2280e-01	4.2805e+00	-9.6598e-01	-6.5217e+00
253	392	-3.8820e+00	-4.5578e-02	7.7431e-01	3.4833e+00	1.3044e+00	-4.2030e+00
	503	-3.8820e+00	-2.2518e-15	1.2778e+00	1.4518e+01	2.4914e+00	-9.0933e+00
	396	1.8527e-01	-2.2518e-15	4.5200e-01	1.8383e+00	-2.5751e+00	-9.8845e+00
	393	1.8527e-01	-4.5578e-02	-5.1437e-02	4.8413e+00	-2.1149e-02	-4.9942e+00
254	389	9.9314e-01	1.8236e-01	8.5611e-01	-3.7942e+00	1.0765e+00	-3.7516e+00
	394	9.9314e-01	2.9315e-01	1.7868e-01	9.0494e-01	-4.2302e-01	-8.3106e+00
	395	3.1098e+00	2.9315e-01	-2.0882e-01	2.4719e+00	-2.9222e+00	-8.4576e+00
	391	3.1098e+00	1.8236e-01	4.6861e-01	-1.5916e+01	-4.1677e+00	-3.8986e+00
255	379	-4.0132e-01	3.1711e-01	9.2416e-01	3.5171e+00	3.7678e+00	-3.7541e+00
	393	-4.0132e-01	1.9074e-01	4.3754e-01	1.3621e+00	1.2829e+00	-5.5815e+00
	394	9.9314e-01	1.9074e-01	4.2473e-01	9.0881e-01	-1.4512e+00	-7.5621e+00
	389	9.9314e-01	3.1711e-01	9.1135e-01	-2.6021e-01	-5.1401e-01	-5.7347e+00
256	377	-1.6218e+00	8.5711e-02	2.5029e-01	2.2369e+00	-3.1605e-01	-2.8635e+00
	392	-1.6218e+00	-4.5578e-02	5.6487e-02	5.1732e+00	8.7031e-03	-3.4496e+00
	393	-4.0132e-01	-4.5578e-02	4.9634e-01	2.5011e+00	1.4811e+00	-4.4325e+00
	379	-4.0132e-01	8.5711e-02	6.9015e-01	3.5522e+00	3.5041e+00	-3.8464e+00
257	390	2.7179e-02	-1.3761e-03	-8.0208e-02	7.2498e-01	-3.9727e+00	-4.0464e+00
	389	4.8134e-02	2.0272e-01	1.0145e+00	-4.7714e+00	-7.4406e-01	-2.0483e+00
	391	3.4529e+00	1.8181e-01	-5.1388e-02	-1.0860e+01	-2.3702e+00	-2.2934e+00
	12	3.4739e+00	-2.1910e-02	-1.1442e+00	1.1505e+01	1.1247e+00	-4.1502e+00
258	387	-2.0645e-01	1.6607e-02	8.6673e-01	-2.2875e+00	1.8700e+00	-2.5374e+00
	379	-2.0993e-01	3.3677e-01	1.0441e+00	2.5950e+00	4.2974e+00	-4.4272e+00
	389	5.0069e-02	3.3732e-01	1.0736e+00	-1.3356e+00	-1.4060e+00	-3.1597e+00
	390	4.6585e-02	1.7100e-02	8.9311e-01	-2.8379e+00	-1.1131e+00	-1.2706e+00
259	11	-4.9054e-01	-1.9602e-29	1.9236e-01	-1.2953e+01	-1.8778e+00	-8.1693e+00
	377	-4.9054e-01	8.5711e-02	1.8808e-01	2.2241e+00	-2.1162e+00	-3.9914e+00
	379	-1.8310e-01	8.5711e-02	8.1262e-01	1.1424e+00	4.4328e+00	-3.3229e+00
	387	-1.8310e-01	-3.5438e-29	8.1690e-01	-2.1993e+00	3.0394e+00	-7.5008e+00
260	360	-1.2615e-01	1.8119e-01	1.1105e-01	-8.3543e+01	-1.6852e+00	-1.0570e+01
	374	-1.2615e-01	0.0000e+00	-6.2678e-01	-9.7782e+01	8.4557e+01	-6.2156e+01
	502	-2.6582e+00	0.0000e+00	-1.6057e+00	-2.3092e+02	-9.6164e+01	-7.0537e+01
	365	-2.6582e+00	1.8119e-01	-8.6787e-01	-2.6162e+00	2.3199e+01	-1.8950e+01
261	359	6.3118e-01	-7.5349e-01	-1.2426e+00	-7.8473e+01	9.1680e+00	-6.0809e+00
	372	6.3118e-01	0.0000e+00	-9.5971e-01	-5.3422e+01	2.6254e+01	-2.8929e+01
	374	-1.2615e-01	0.0000e+00	2.4797e-02	-7.2420e+01	-2.1285e+01	-3.0137e+01
	360	-1.2615e-01	-7.5349e-01	-2.5804e-01	-8.2600e+01	5.7413e-01	-7.2886e+00
262	342	3.3210e+00	-3.2613e-01	1.1186e+00	-3.7249e+01	4.6962e+00	-5.6674e+00
	501	3.3210e+00	-2.2518e-15	-1.3208e+00	-8.0934e+01	-9.5766e+00	-1.0372e+01
	372	6.3118e-01	-2.2518e-15	-2.8227e+00	-5.2085e+01	8.5186e+00	-1.1332e+01
	359	6.3118e-01	-3.2613e-01	-3.8328e-01	-7.0859e+01	-1.9608e+00	-6.6272e+00
263	351	-2.0343e-01	-6.3893e-02	-1.2244e-01	-3.5018e+01	4.1808e+00	5.1947e+00
	360	-2.0343e-01	1.8119e-01	-6.7874e-02	-5.7483e+01	3.4762e+00	-3.6820e+00
	365	-2.9790e-01	1.8119e-01	-4.3953e-02	-9.9610e+01	-1.7928e+00	-6.0099e+00
	358	-2.9790e-01	-6.3893e-02	-9.8515e-02	-1.8741e+00	6.7026e+00	2.8668e+00
264	345	6.5367e-01	-2.1777e-01	-2.3413e-01	-4.1307e+01	9.3083e+00	5.5386e+00
	359	6.5367e-01	-7.5349e-01	-6.7649e-01	-4.4668e+01	-4.4734e+00	2.3635e+00
	360	-2.0343e-01	-7.5349e-01	-4.3696e-01	-4.9432e+01	1.6281e+01	3.5972e+00
	351	-2.0343e-01	-2.1777e-01	5.3949e-03	-3.9756e+01	-2.3766e+00	6.7722e+00
265	336	5.3438e-01	-1.4335e-01	5.9449e-02	-3.7014e+01	8.5613e+00	6.5448e+00
	342	5.3438e-01	-3.2613e-01	5.8384e-01	-4.4216e+01	-1.0159e+01	3.2926e+00
	359	6.5367e-01	-3.2613e-01	1.8278e-01	-4.3210e+01	1.1570e+01	2.8537e+00
	345	6.5367e-01	-1.4335e-01	-3.4161e-01	-4.1311e+01	-5.4165e+00	6.1059e+00
266	357	2.7105e-02	1.2722e-30	1.5068e-01	1.1052e+01	-2.6224e+01	-1.6779e+01

	351	2.7105e-02	-6.3893e-02	-7.4622e-02	-2.5073e+01	1.5970e+00	3.2998e-01
	358	-1.1942e-01	-6.3893e-02	-1.2694e-01	-5.3517e+01	-7.7029e+00	-3.4329e+00
	120	-1.1942e-01	8.3051e-31	9.8368e-02	5.6813e+01	3.4989e+01	-2.0542e+01
267	346	7.7933e-02	0.0000e+00	1.2250e-01	-1.8433e+01	-1.7098e+01	-1.3180e+01
	345	7.7933e-02	-2.1777e-01	1.5617e-01	-2.2121e+01	-4.0201e+00	1.7011e+00
	351	2.7105e-02	-2.1777e-01	5.3209e-02	-2.5476e+01	5.5921e+00	1.4775e+00
	357	2.7105e-02	0.0000e+00	1.9540e-02	-1.6069e-02	1.9554e+01	-1.3404e+01
268	14	2.5610e-01	-3.6192e-30	1.1102e-01	-6.8940e+00	3.3585e+00	-3.5559e+00
	336	2.5610e-01	-1.4335e-01	6.0784e-03	-4.6120e+01	-7.6187e+00	1.7135e+00
	345	7.7933e-02	-1.4335e-01	4.8693e-02	-2.6709e+01	7.3862e+00	8.6769e-01
	346	7.7933e-02	-4.4284e-30	1.5364e-01	-2.0972e+01	-2.4838e-01	-4.4016e+00
269	341	8.7628e-02	-5.7867e-01	7.3844e-01	-4.6222e+01	9.9553e-01	-7.2473e+00
	344	8.7628e-02	-5.5272e-15	2.2161e+00	-1.7429e+01	2.0069e+01	-3.2714e+01
	501	3.3210e+00	-5.0917e-15	2.2468e+00	-7.4313e+01	-2.0077e+01	-3.1645e+01
	342	3.3210e+00	-5.7867e-01	7.6916e-01	-3.1011e+01	-3.6166e+00	-6.1785e+00
270	340	3.0024e-01	-5.4995e-01	7.3671e-01	-2.8474e+01	5.8980e+00	-8.8606e+00
	343	3.0024e-01	0.0000e+00	3.2312e-01	-8.9688e+00	3.0284e+00	-1.5774e+01
	344	8.7628e-02	0.0000e+00	8.3731e-01	-9.4268e+00	-3.2308e+00	-1.8937e+01
	341	8.7628e-02	-5.4995e-01	1.2509e+00	-3.9329e+01	1.6323e+00	-1.2024e+01
271	337	-3.6633e+00	1.1708e-01	1.3725e+00	-1.9555e+01	1.0358e+00	-1.0205e+01
	500	-3.6633e+00	3.5576e-15	1.6688e+00	-1.4293e+01	-9.1691e-01	-1.0548e+01
	343	3.0024e-01	2.1002e-15	6.9720e-01	-8.4621e+00	1.0386e+00	-1.2446e+01
	340	3.0024e-01	1.1708e-01	4.0081e-01	-2.5946e+01	3.7273e+00	-1.2104e+01
272	330	6.1825e-01	-1.3656e-01	7.7912e-01	-3.8417e+01	-4.6284e+00	1.3278e+00
	341	6.1825e-01	-5.7867e-01	6.4700e-01	-3.3281e+01	-6.9218e+00	-3.1058e+00
	342	5.3438e-01	-5.7867e-01	2.3435e-01	-4.0040e+01	2.1534e+00	1.0069e+00
	336	5.3438e-01	-1.3656e-01	3.6647e-01	-3.8914e+01	-1.0193e+01	5.4406e+00
273	321	6.8744e-02	4.4412e-01	1.2108e+00	-3.4500e+01	-4.2579e+00	-5.2303e+00
	340	6.8744e-02	-5.4995e-01	1.4254e+00	-2.7299e+01	1.4463e+00	-9.3963e+00
	341	6.1825e-01	-5.4995e-01	1.1594e+00	-3.0174e+01	2.6884e+00	-3.9429e+00
	330	6.1825e-01	4.4412e-01	9.4485e-01	-3.8442e+01	-4.9378e+00	2.2301e-01
274	320	2.4428e-02	-9.7556e-02	2.8929e-02	-2.6799e+01	-5.7292e-01	-5.1478e+00
	337	2.4428e-02	1.1708e-01	-6.3383e-02	-2.5195e+01	2.0347e+00	-9.4539e+00
	340	6.8744e-02	1.1708e-01	1.0895e+00	-2.8769e+01	3.1401e+00	-1.0276e+01
	321	6.8744e-02	-9.7556e-02	1.1818e+00	-3.0271e+01	7.7565e+00	-5.9696e+00
275	335	-6.3978e-02	-6.0397e-16	2.8037e-01	-9.9043e+01	-2.4969e+01	-1.8746e+01
	330	-6.3978e-02	-1.3656e-01	4.6515e-01	-8.7915e+00	-1.2449e+01	6.2172e+00
	336	2.5610e-01	-1.3656e-01	3.1310e-01	-5.1023e+01	-3.4893e+00	1.1477e-01
	14	2.5610e-01	-2.9260e-16	1.2832e-01	-1.5963e+01	2.3947e+01	-2.4848e+01
276	326	-1.4807e-01	1.8967e-30	3.6321e-01	-1.6738e+01	2.4600e+01	2.6878e+01
	321	-1.4807e-01	4.4412e-01	5.1082e-01	-4.8661e+01	-1.5263e+00	1.1436e+00
	330	-6.3978e-02	4.4412e-01	6.3088e-01	-7.9857e+00	-1.0602e+01	-3.7118e+00
	335	-6.3978e-02	2.5237e-30	4.8327e-01	-9.9525e+01	-2.4860e+01	2.2023e+01
277	13	4.0178e+00	3.6610e-15	1.7057e+00	-3.6331e+00	4.2286e+00	7.1536e+00
	320	4.0178e+00	-9.7556e-02	1.6873e+00	-2.9344e+01	4.0744e+00	-2.5047e+00
	321	-1.4807e-01	-9.7556e-02	4.8183e-01	-4.2022e+01	3.8720e+00	9.3957e-01
	326	-1.4807e-01	1.0715e-15	5.0027e-01	-6.7600e+00	-4.7016e+00	1.0598e+01
278	294	-5.6817e-01	9.8477e-02	-2.9135e-01	1.0041e+01	-9.7437e-01	-8.9771e-01
	297	-5.6817e-01	-5.6295e-16	-1.2168e+00	6.0036e+00	3.2639e+00	-3.6058e+00
	499	-3.2260e+00	-5.6295e-16	-1.1325e+00	2.0707e+00	-4.5412e+00	-3.7730e+00
	295	-3.2260e+00	9.8477e-02	-2.0703e-01	1.1463e+01	4.1832e-01	-1.0649e+00
279	293	1.1407e-01	1.4241e-02	-4.5235e-01	9.5996e+00	-5.3004e-01	-9.4107e-01
	296	1.1407e-01	2.0497e-15	1.8384e-01	1.3363e+01	6.0561e+00	-5.7665e+00
	297	-5.6817e-01	1.8943e-15	-1.0137e-01	7.8592e+00	-6.7886e+00	-5.2400e+00
	294	-5.6817e-01	1.4241e-02	-7.3756e-01	1.0629e+01	-2.4735e+00	-4.1460e-01
280	292	1.6659e+00	-2.6082e-01	-4.6538e-01	-2.4699e+00	-3.7979e+00	-3.1808e+00
	498	1.6659e+00	-5.6295e-16	-5.0298e-01	3.7753e+01	1.7673e+01	-1.1657e+01

	296	1.1407e-01	-5.6295e-16	-2.3453e-01	1.7684e+01	-1.4962e+01	-9.8954e+00
	293	1.1407e-01	-2.6082e-01	-1.9693e-01	9.7388e+00	-1.0911e+00	-1.4189e+00
281	289	-5.4931e-01	-1.9801e-01	-6.0579e-01	3.6558e+00	-4.8947e-01	-3.9895e-01
	294	-5.4931e-01	9.8477e-02	-3.8600e-01	4.8654e+00	-1.8597e+00	7.1994e-01
	295	-4.5394e-01	9.8477e-02	1.3227e-01	2.3439e-01	-3.2071e-01	3.7167e-01
	291	-4.5394e-01	-1.9801e-01	-8.7519e-02	9.3244e+00	-1.8865e-01	-7.4721e-01
282	286	-3.8541e-01	-3.5715e-02	-7.2853e-01	3.6832e-01	-1.1459e+00	5.2092e-01
	293	-3.8541e-01	1.4241e-02	-7.5484e-01	7.4031e+00	-3.4628e+00	8.3786e-01
	294	-5.4931e-01	1.4241e-02	-8.3221e-01	5.7591e+00	4.1045e-01	1.1635e+00
	289	-5.4931e-01	-3.5715e-02	-8.0589e-01	2.3063e+00	-3.3110e+00	8.4652e-01
283	285	-5.7067e-02	1.2076e-01	4.1667e-02	-6.5719e+00	-1.5695e+00	-4.7171e-01
	292	-5.7067e-02	-2.6082e-01	-1.0314e-01	1.5120e+01	7.8641e-01	-1.1565e+00
	293	-3.8541e-01	-2.6082e-01	-4.9943e-01	8.7176e+00	-1.1303e+00	-6.2268e-02
	286	-3.8541e-01	1.2076e-01	-3.5463e-01	-8.0490e-01	-3.4947e+00	6.2253e-01
284	290	4.3485e-02	-2.9374e-30	-3.1874e-01	1.0102e+01	-1.0961e+01	-8.9819e+00
	289	4.3485e-02	-1.9801e-01	-3.4519e-01	2.3289e+00	-3.5976e-01	-2.0569e+00
	291	1.1592e+00	-1.9801e-01	-2.8351e-01	-5.2521e+00	-2.8951e+00	-3.3283e+00
	20	1.1592e+00	-2.3690e-30	-2.5706e-01	2.4105e+01	1.3190e+01	-1.0253e+01
285	288	-4.9887e-01	-1.8615e-16	-1.1178e-01	1.9912e+00	-6.4230e+00	-6.0033e+00
	286	-4.9887e-01	-3.5715e-02	-6.5140e-01	1.9858e+00	-3.1880e+00	-1.1038e+00
	289	4.3485e-02	-3.5715e-02	-5.4529e-01	1.7006e+00	-1.1714e-01	-1.7615e+00
	290	4.3485e-02	2.6227e-17	-5.6652e-03	6.8196e+00	5.9549e+00	-6.6610e+00
286	19	-2.8359e+00	-1.2080e-02	-1.1788e+00	-5.9630e+00	-6.2187e+00	-5.5778e+00
	285	-2.8275e+00	1.1220e-01	-3.5047e-01	4.1835e+00	6.2080e-01	-1.7958e+00
	286	-4.7168e-01	1.1314e-01	-2.5345e-01	1.2150e+00	-2.4064e+00	-1.8102e+00
	288	-4.6328e-01	-1.1166e-02	-1.0813e+00	4.6566e-01	4.5302e+00	-5.6254e+00
287	281	3.3379e-02	2.3183e-01	1.8190e-01	-2.1135e+01	3.4557e-01	-1.0184e+00
	284	3.3379e-02	8.1835e-16	2.5899e-01	-1.5965e+01	1.2464e+01	-9.3466e+00
	497	-1.3783e+00	-2.5753e-16	-4.4728e-01	-4.7472e+01	-1.2397e+01	-1.0572e+01
	282	-1.3783e+00	2.3183e-01	-5.2437e-01	-4.2994e-01	3.5003e+00	-2.2436e+00
288	280	3.7143e-01	-1.8948e-02	-5.3972e-01	-2.7052e+01	1.6373e+00	-1.4250e+00
	283	3.7143e-01	6.6019e-16	-6.2365e-02	-1.2474e+01	-1.2253e+00	2.0964e+00
	284	3.3379e-02	9.0577e-17	4.7961e-01	-1.2175e+01	2.8838e+00	6.0604e-01
	281	3.3379e-02	-1.8948e-02	2.2568e-03	-2.2783e+01	4.6176e+00	-2.9153e+00
289	279	3.4817e+00	9.8078e-02	5.0400e-02	8.6974e+00	5.6633e+00	5.6973e-02
	496	3.4817e+00	1.9345e-16	-1.1810e+00	-8.2911e+01	-2.6054e+01	1.9423e+01
	283	3.7143e-01	-5.1867e-16	-1.3773e+00	-2.1573e+01	2.5492e+01	1.7833e+01
	280	3.7143e-01	9.8078e-02	-1.4599e-01	-2.7524e+01	-1.3220e+00	-1.5329e+00
290	276	8.0393e-02	8.4870e-02	-2.4790e-01	3.5134e+00	-5.8899e-01	-2.1886e+00
	281	8.0393e-02	2.3183e-01	-2.4694e-01	-5.9923e+00	1.1438e+00	-2.0529e+00
	282	-6.9409e-01	2.3183e-01	-2.4095e-02	-1.2894e+01	1.1253e+00	-7.9369e-01
	278	-6.9409e-01	8.4870e-02	-2.5052e-02	1.0591e+01	-1.0254e+00	-9.2943e-01
291	274	1.0046e+00	1.9199e-01	-4.0077e-01	-1.9123e-02	-3.6950e+00	-5.3228e+00
	280	1.0046e+00	-1.8948e-02	-5.0919e-01	-2.6903e+00	4.5936e+00	-5.1898e+00
	281	8.0393e-02	-1.8948e-02	-4.2659e-01	-4.4998e+00	7.8960e-01	-2.1207e+00
	276	8.0393e-02	1.9199e-01	-3.1816e-01	1.9628e+00	-3.8730e-01	-2.2536e+00
292	273	1.4796e+00	6.8959e-02	-1.5435e-01	1.8426e+01	-2.3049e+00	-4.5241e+00
	279	1.4796e+00	9.8078e-02	2.0513e-01	-2.1976e+01	2.9416e+00	-4.0139e+00
	280	1.0046e+00	9.8078e-02	-1.1546e-01	-5.5763e+00	-9.8474e-01	-2.9462e+00
	274	1.0046e+00	6.8959e-02	-4.7494e-01	2.6884e+00	9.6882e-01	-3.4564e+00
293	277	6.4156e-02	-1.4819e-15	-7.9216e-01	1.4822e+01	-1.2179e+01	-9.8325e+00
	276	6.4156e-02	8.4870e-02	-3.5857e-01	1.8302e+01	3.3655e-02	-1.4394e+00
	278	8.7892e-01	8.4870e-02	-1.9883e-01	-1.4077e+00	-3.3536e+00	-2.5359e+00
	18	8.7892e-01	-1.1298e-15	-6.3243e-01	4.5417e+01	1.2241e+01	-1.0929e+01
294	275	2.6483e-01	5.4152e-16	-3.2965e-01	1.1128e+01	9.3419e-01	8.1518e-01
	274	2.6483e-01	1.9199e-01	-3.0431e-01	2.3238e+01	-1.3182e+00	-2.0087e+00
	276	6.4156e-02	1.9199e-01	-4.2883e-01	1.9688e+01	-3.9121e+00	-3.2564e+00

	277	6.4156e-02	7.8325e-16	-4.5417e-01	1.1015e+01	-2.3164e+00	-4.3252e-01
295	17	1.7245e+00	1.4783e-15	6.5830e-01	7.4152e+01	2.3258e+01	1.6316e+01
	273	1.7245e+00	6.8959e-02	9.8099e-02	-9.2182e+00	-4.9083e+00	-8.0319e-01
	274	2.6483e-01	6.8959e-02	-3.7849e-01	2.3495e+01	1.1758e+00	-2.1995e+00
	275	2.6483e-01	5.1548e-16	1.8171e-01	1.9235e+01	-2.2685e+01	1.4920e+01
296	268	-1.5637e-01	-9.0946e-02	1.3234e-01	-2.2576e+01	1.6980e-01	-1.8592e+00
	272	-1.5637e-01	0.0000e+00	-2.1335e-01	-1.6658e+01	1.3516e+01	-1.1174e+01
	495	-6.6180e-01	0.0000e+00	-1.4354e-01	-5.0318e+01	-1.3437e+01	-1.2456e+01
	269	-6.6180e-01	-9.0946e-02	2.0215e-01	-9.9560e-01	3.8633e+00	-3.1414e+00
297	267	-6.6240e-02	2.0467e-02	4.0974e-01	-2.7767e+01	1.9007e+00	-2.1296e+00
	271	-6.6240e-02	0.0000e+00	4.0560e-01	-1.2550e+01	-8.1789e-01	8.2832e-01
	272	-1.5637e-01	-2.7603e-29	7.9267e-02	-1.2481e+01	2.5699e+00	-7.4248e-01
	268	-1.5637e-01	2.0467e-02	8.3405e-02	-2.3999e+01	4.6958e+00	-3.7004e+00
298	266	-4.8059e-01	-1.0861e-01	-1.8725e-01	7.3738e+00	5.4229e+00	-5.9476e-01
	494	-4.8059e-01	0.0000e+00	2.3957e-01	-8.0538e+01	-2.5003e+01	1.7812e+01
	271	-6.6240e-02	0.0000e+00	7.4365e-01	-2.1249e+01	2.4542e+01	1.6213e+01
	267	-6.6240e-02	-1.0861e-01	3.1683e-01	-2.8042e+01	-9.5174e-01	-2.1939e+00
299	231	-5.4201e-01	-3.0377e-02	6.6203e-02	1.4289e+00	-9.3276e-01	-1.8029e+00
	268	-5.4201e-01	-9.0946e-02	2.7875e-01	-7.7209e+00	1.0328e+00	-2.7787e+00
	269	-7.9866e-01	-9.0946e-02	1.1489e-01	-1.4222e+01	1.5306e+00	-1.5643e+00
	237	-7.9866e-01	-3.0377e-02	-9.7660e-02	6.6643e+00	-2.4913e-01	-5.8850e-01
300	229	-5.6397e-02	-5.2972e-02	3.2649e-01	-1.7193e+00	-3.7447e+00	-5.3406e+00
	267	-5.6397e-02	2.0467e-02	2.5857e-01	-3.9343e+00	4.7523e+00	-5.5718e+00
	268	-5.4201e-01	2.0467e-02	2.2981e-01	-6.2138e+00	1.1890e+00	-2.6520e+00
	231	-5.4201e-01	-5.2972e-02	2.9773e-01	2.6043e-01	6.8121e-01	-2.4209e+00
301	228	3.5216e-01	-1.0787e-01	1.4664e-02	1.7251e+01	-2.4546e+00	-4.2444e+00
	266	3.5216e-01	-1.0861e-01	-3.2229e-02	-2.2641e+01	2.8029e+00	-4.3916e+00
	267	-5.6397e-02	-1.0861e-01	1.6566e-01	-6.6684e+00	-5.4176e-01	-3.3923e+00
	229	-5.6397e-02	-1.0787e-01	2.1256e-01	1.0873e+00	1.6338e+00	-3.2451e+00
302	232	-1.9233e-01	0.0000e+00	7.1792e-01	1.1769e+01	-7.9032e+00	-5.5352e+00
	231	-1.9233e-01	-3.0377e-02	5.0897e-02	1.3946e+01	-3.6864e-01	-6.4225e-01
	237	-2.0907e+00	-3.0377e-02	1.0907e-01	-4.6865e-01	-2.3371e+00	-1.5116e+00
	16	-2.0907e+00	0.0000e+00	7.7609e-01	3.2529e+01	7.8786e+00	-6.4045e+00
303	230	-3.8827e-03	1.5081e-29	-1.9087e-01	9.9388e+00	1.8696e+00	2.5762e+00
	229	-3.8827e-03	-5.2972e-02	1.0144e-01	2.0749e+01	-4.3151e-01	-1.5942e+00
	231	-1.9233e-01	-5.2972e-02	2.8242e-01	1.5733e+01	-3.8983e+00	-2.6282e+00
	232	-1.9233e-01	1.0871e-29	-9.8790e-03	9.5460e+00	-3.0104e+00	1.5422e+00
304	15	7.7422e-01	0.0000e+00	1.9904e-01	7.4402e+01	2.4032e+01	1.7782e+01
	228	7.7422e-01	-1.0787e-01	1.9498e-01	-1.1127e+01	-4.9541e+00	-2.2129e-01
	229	-3.8827e-03	-1.0787e-01	-1.2495e-02	2.1490e+01	1.6662e+00	-1.5201e+00
	230	-3.8827e-03	0.0000e+00	-8.4352e-03	1.8436e+01	-2.3314e+01	1.6483e+01
305	224	2.8860e-01	-2.1664e-01	-1.8778e-01	1.4064e+01	-4.6097e+00	-8.0023e+00
	227	2.8860e-01	4.7486e-15	-2.2932e+00	7.2893e+00	-1.1077e+01	1.0382e+01
	493	-3.3230e+00	3.7182e-15	-1.7074e+00	5.9147e+01	9.0593e+00	9.6084e+00
	225	-3.3230e+00	-2.1664e-01	3.9799e-01	4.7671e+00	3.9277e+00	-8.7754e+00
306	223	-1.2253e-01	-1.3340e-01	-1.7550e-01	3.1701e+01	-1.1224e+01	-5.6856e+00
	226	-1.2253e-01	-1.7565e-15	-1.4682e-01	4.2061e+00	1.2936e+00	-1.4428e+01
	227	2.8860e-01	-2.0303e-15	-6.6533e-01	4.7882e+00	-2.9770e+00	-5.8871e+00
	224	2.8860e-01	-1.3340e-01	-6.9401e-01	1.0880e+01	-5.2158e+00	2.8549e+00
307	222	1.1433e+00	-5.4623e-02	-8.4487e-01	2.0519e+01	1.5976e+01	1.6130e+01
	492	1.1433e+00	-4.6487e-17	-3.1945e-01	2.3730e+02	3.7525e+01	-6.0779e+01
	226	-1.2253e-01	-9.3475e-16	1.8359e-01	2.7313e+01	-4.5144e+01	-6.5188e+01
	223	-1.2253e-01	-5.4623e-02	-3.4184e-01	5.2449e+01	-1.5979e+01	1.1722e+01
308	219	-6.3496e-01	-9.4430e-02	-9.7666e-01	-1.6477e+01	3.6637e+00	-8.3141e+00
	224	-6.3496e-01	-2.1664e-01	-9.9751e-02	5.4500e+00	-7.9297e-02	-7.3660e+00
	225	-1.5487e+00	-2.1664e-01	3.0565e-01	4.8081e+00	-2.3874e+00	-1.3024e+01
	221	-1.5487e+00	-9.4430e-02	-5.7125e-01	-1.3640e+01	3.6461e+00	-1.3973e+01

309	217	-2.3048e-01	-2.7129e-01	-7.7467e-01	-2.2858e+01	1.9694e+01	1.3269e+01
	223	-2.3048e-01	-1.3340e-01	-6.1942e-01	5.6336e+00	-1.2647e+01	1.5397e+01
	224	-6.3496e-01	-1.3340e-01	-6.0597e-01	-7.7302e-01	8.9286e-01	-5.9077e+00
	219	-6.3496e-01	-2.7129e-01	-7.6122e-01	-1.1526e+01	5.3607e+00	-8.0354e+00
310	216	-4.0466e-01	-1.9383e-01	7.5024e-03	-4.7167e+01	1.3666e+01	2.9233e+01
	222	-4.0466e-01	-5.4623e-02	-3.2443e-01	2.4323e+01	-1.1537e+01	3.0916e+01
	223	-2.3048e-01	-5.4623e-02	-7.8576e-01	1.6716e+01	2.8494e+00	1.8137e+01
	217	-2.3048e-01	-1.9383e-01	-4.5383e-01	-3.5664e+01	-2.7512e-01	1.6454e+01
311	220	-4.9736e-02	-8.6501e-16	4.6124e-01	-9.8421e+00	1.3087e+01	1.0125e+01
	219	-4.9736e-02	-9.4430e-02	-7.3147e-01	-2.5572e+01	8.9614e+00	-1.0526e+01
	221	-5.5367e-01	-9.4430e-02	-7.6973e-01	-1.1897e+01	-4.0566e+00	-9.2135e+00
	10	-5.5367e-01	-8.1165e-16	4.2298e-01	-7.1327e+01	-1.0449e+01	1.1437e+01
312	218	2.5489e-01	-1.3073e-15	-5.8739e-01	-7.4123e+00	-1.5395e+00	-2.4993e+01
	217	2.5489e-01	-2.7129e-01	-7.4351e-01	-5.0288e+01	1.7534e+01	-1.2986e+01
	219	-4.9736e-02	-2.7129e-01	-5.1603e-01	-2.1752e+01	1.0912e+01	1.7537e+00
	220	-4.9736e-02	-8.3235e-16	-3.5992e-01	-8.1495e+00	4.5176e+00	-1.0253e+01
313	9	-2.4298e+00	2.5289e-15	-1.1899e+00	-2.9916e+02	-4.7390e+01	-8.5203e+01
	216	-2.4298e+00	-1.9383e-01	-2.4942e-01	-3.7953e+01	-1.9554e+01	1.1416e+01
	217	2.5489e-01	-1.9383e-01	-4.2267e-01	-7.7862e+01	2.2615e+01	7.8256e+00
	218	2.5489e-01	2.9109e-15	-1.3632e+00	-3.5560e+01	5.6654e+01	-8.8793e+01
314	210	-7.0173e-01	2.5059e-01	2.1066e-01	-6.1998e+01	1.5821e+00	-9.1959e+00
	215	-7.0173e-01	-9.1156e-15	-2.8683e+00	-4.1358e+01	3.7323e+01	-3.6886e+01
	479	-1.1733e+01	-5.7856e-15	-3.9303e+00	-1.3801e+02	-3.5780e+01	-4.0413e+01
	211	-1.1733e+01	2.5059e-01	-8.5132e-01	-2.8547e+00	1.0376e+01	-1.2723e+01
315	209	7.9507e-01	5.6455e-02	-1.1884e+00	-7.2595e+01	9.6647e+00	-6.9943e+00
	212	7.9507e-01	7.8858e-15	9.3638e-01	-2.9307e+01	-5.4140e-01	-1.0449e+00
	215	-7.0173e-01	2.2248e-15	9.5253e-01	-2.9705e+01	5.7420e+00	-7.7192e+00
	210	-7.0173e-01	5.6455e-02	-1.1722e+00	-6.4138e+01	1.5245e+01	-1.3669e+01
316	208	1.2426e+01	-2.3629e-01	-1.0171e+00	1.3958e+01	1.2847e+01	-3.7021e+00
	478	1.2426e+01	-7.7900e-15	-4.2498e+00	-2.0232e+02	-5.8544e+01	4.3288e+01
	212	7.9507e-01	-6.6658e-15	-3.0664e+00	-5.0530e+01	5.9899e+01	3.9156e+01
	209	7.9507e-01	-2.3629e-01	1.6623e-01	-7.4183e+01	7.0967e-01	-7.8339e+00
317	205	-2.2757e+00	-4.9173e-02	-1.8519e+00	-4.0043e+00	-3.2063e+00	-5.3662e+00
	210	-2.2757e+00	2.5059e-01	-6.9286e-01	-2.5011e+01	3.5503e+00	-1.1877e+01
	211	-5.5583e+00	2.5059e-01	5.4849e-01	-3.8023e+01	7.1339e+00	-8.4546e+00
	207	-5.5583e+00	-4.9173e-02	-6.1056e-01	1.8807e-01	3.7829e+00	-1.9433e+00
318	203	2.5492e+00	1.4222e-01	-1.8204e+00	-2.9609e+00	-8.6309e-01	-1.3178e+01
	209	2.5492e+00	5.6455e-02	-2.1446e+00	-1.9693e+01	1.6881e+01	-1.5884e+01
	210	-2.2757e+00	5.6455e-02	-2.0757e+00	-2.2371e+01	9.0760e+00	-1.0250e+01
	205	-2.2757e+00	1.4222e-01	-1.7515e+00	-3.9481e+00	1.0182e+01	-7.5440e+00
319	202	5.7567e+00	-4.6770e-02	-5.1189e-01	2.6377e+01	-2.1643e+00	-1.4139e+01
	208	5.7567e+00	-2.3629e-01	5.3385e-01	-5.3035e+01	1.2235e+01	-1.1352e+01
	209	2.5492e+00	-2.3629e-01	-7.9003e-01	-2.5603e+01	9.2045e-01	-1.0015e+01
	203	2.5492e+00	-4.6770e-02	-1.8358e+00	2.7190e+00	1.1370e+01	-1.2801e+01
320	206	-5.3598e-01	-1.7190e-15	-8.4557e-01	1.3704e+01	2.4224e+00	6.2330e+00
	205	-5.3598e-01	-4.9173e-02	-1.7397e+00	2.2069e+01	-2.3403e-01	-1.8675e-01
	207	-2.3432e+00	-4.9173e-02	-8.6236e-01	1.0775e+01	-1.6350e+00	-6.9390e-01
	6	-2.3432e+00	1.2012e-16	3.1720e-02	1.6302e+01	-2.7938e+00	5.7258e+00
321	204	7.0681e-01	3.8977e-15	-1.8986e+00	6.2477e+01	2.2700e+01	1.8218e+01
	203	7.0681e-01	1.4222e-01	-1.9059e+00	1.7893e+01	6.2427e+00	-5.3710e+00
	205	-5.3598e-01	1.4222e-01	-1.6393e+00	2.7709e+01	-2.0978e+00	-4.3129e+00
	206	-5.3598e-01	3.3445e-15	-1.6320e+00	2.0710e+01	-2.1680e+01	1.9276e+01
322	5	3.0497e+00	9.9151e-16	4.7015e-01	1.2661e+02	2.3917e+01	1.6519e+01
	202	3.0497e+00	-4.6770e-02	-2.1602e-01	4.1084e+00	1.2347e-01	-6.1966e+00
	203	7.0681e-01	-4.6770e-02	-1.9212e+00	2.2710e+01	5.2059e+00	-5.1098e+00
	204	7.0681e-01	-2.5261e-15	-1.2350e+00	7.7240e+01	-2.1796e+01	1.7605e+01
323	198	7.3430e-01	-3.1000e-01	-2.0786e-01	-1.3254e+02	1.2475e+00	-8.1506e+00

	201	7.3430e-01	4.2533e-15	2.9198e+00	-8.1944e+01	8.1347e+01	-7.0572e+01
	475	1.2491e+01	4.8145e-15	4.2752e+00	-2.8995e+02	-7.8801e+01	-7.6856e+01
	199	1.2491e+01	-3.1000e-01	1.1475e+00	-9.0858e+00	1.9855e+01	-1.4434e+01
324	197	-7.9264e-01	3.3914e-02	1.3429e+00	-1.3794e+02	1.9183e+01	-3.1605e+00
	200	-7.9264e-01	4.5036e-15	-8.7953e-01	-5.4132e+01	3.1434e+00	-5.9810e-01
	201	7.3430e-01	4.5036e-15	-1.0308e+00	-5.4736e+01	5.7078e+00	-1.1613e+01
	198	7.3430e-01	3.3914e-02	1.1917e+00	-1.3387e+02	2.2195e+01	-1.4175e+01
325	196	-1.2710e+01	2.2833e-01	8.8460e-01	-4.3293e-01	2.0209e+01	-6.3594e-01
	474	-1.2710e+01	-9.0072e-15	4.3023e+00	-3.1839e+02	-8.8763e+01	6.9657e+01
	200	-7.9264e-01	-9.0072e-15	3.2900e+00	-8.5511e+01	9.1124e+01	6.3247e+01
	197	-7.9264e-01	2.2833e-01	-1.2774e-01	-1.3809e+02	1.0835e+00	-7.0465e+00
326	191	2.4048e+00	1.1269e-03	1.9550e+00	-3.4096e+01	3.0841e+00	1.9162e-01
	198	2.4048e+00	-3.1000e-01	8.5359e-01	-6.4277e+01	3.3600e+00	-9.2746e+00
	199	5.7047e+00	-3.1000e-01	-5.3923e-01	-9.7163e+01	1.5974e+01	-4.2877e+00
	193	5.7047e+00	1.1269e-03	5.6213e-01	-1.4033e+01	1.5240e+00	5.1785e+00
327	189	-2.5540e+00	1.9420e-02	1.9287e+00	-4.0943e+01	2.7840e-01	-1.4160e+01
	197	-2.5540e+00	3.3914e-02	2.2578e+00	-5.2741e+01	2.3055e+01	-1.5306e+01
	198	2.4048e+00	3.3914e-02	2.2531e+00	-5.6763e+01	1.9094e+01	-3.9191e+00
	191	2.4048e+00	1.9420e-02	1.9240e+00	-3.8475e+01	8.2445e+00	-2.7725e+00
328	188	-5.8378e+00	-7.1580e-02	6.2795e-01	5.7582e+00	-4.3740e+00	-1.6703e+01
	196	-5.8378e+00	2.2833e-01	-6.1060e-01	-1.0578e+02	1.7023e+01	-1.2814e+01
	197	-2.5540e+00	2.2833e-01	7.8714e-01	-6.1472e+01	2.2411e+00	-8.0135e+00
	189	-2.5540e+00	-7.1580e-02	2.0257e+00	-3.3281e+01	9.4633e+00	-1.1903e+01
329	192	5.5642e-01	1.2341e-15	1.1607e+00	1.7249e+01	-1.4714e+01	-9.1193e+00
	191	5.5642e-01	1.1269e-03	1.9471e+00	1.6884e+00	1.6013e+00	1.1430e+00
	193	2.3901e+00	1.1269e-03	6.1024e-01	-2.6303e+01	-1.8871e+00	8.4969e-01
	8	2.3901e+00	-1.2975e-16	-1.7613e-01	5.9141e+01	1.5295e+01	-9.4125e+00
330	190	-6.0954e-01	-5.1237e-29	1.7817e+00	1.2592e+01	4.6258e+00	3.8290e+00
	189	-6.0954e-01	1.9420e-02	1.7927e+00	1.6836e+01	3.4478e+00	-4.6657e+00
	191	5.5642e-01	1.9420e-02	1.9162e+00	5.4925e+00	-3.0886e+00	-4.5728e+00
	192	5.5642e-01	-5.4513e-29	1.9051e+00	1.2429e+01	-4.5410e+00	3.9218e+00
331	7	-2.6448e+00	-6.0443e-30	-2.3953e-01	1.4704e+02	4.7118e+01	3.2371e+01
	188	-2.6448e+00	-7.1580e-02	8.1446e-01	-4.5424e+01	-6.9888e+00	-6.2144e+00
	189	-6.0954e-01	-7.1580e-02	1.8897e+00	1.9073e+01	6.5017e+00	-6.7812e+00
	190	-6.0954e-01	2.1088e-29	8.3569e-01	3.0275e+01	-4.5931e+01	3.1804e+01
766	166	-1.2126e+00	-1.1005e-14	9.2739e-01	3.5029e+01	6.8183e+01	-4.9935e+01
	169	-1.2126e+00	-5.0899e-14	6.0632e-01	4.8568e+00	-9.4246e+01	-3.1732e+01
	170	1.0399e+00	-8.0142e-16	-9.8998e-01	4.1260e+02	9.3775e+01	-3.2060e+01
	167	1.0399e+00	3.4841e-14	-6.6892e-01	-3.4728e+02	-6.7712e+01	-5.0264e+01
767	164	-5.8215e-01	-1.1288e-14	1.2039e+00	4.1862e+01	7.3939e+01	-5.1567e+01
	166	-5.8215e-01	-1.5756e-14	9.7514e-01	-7.1631e+01	-7.4370e+01	-5.1266e+01
	167	3.5088e-01	3.7725e-14	-3.2900e-01	2.8954e+02	7.4050e+01	-5.1489e+01
	165	3.5088e-01	-1.9233e-14	-1.0023e-01	-3.1889e+02	-7.3620e+01	-5.1790e+01
768	3	3.5460e+00	-9.3030e-15	1.2880e+00	1.1028e+01	7.1555e+01	-4.5953e+01
	164	3.5460e+00	-1.6161e-14	1.2651e+00	-5.4403e+01	-6.8529e+01	-4.8066e+01
	165	-3.9557e+00	-1.5094e-14	2.9957e-01	2.8493e+02	6.8174e+01	-4.8314e+01
	2	-3.9557e+00	-1.0011e-14	3.2253e-01	-3.3126e+02	-7.1200e+01	-4.6201e+01
769	128	1.1187e+00	-5.4759e-15	-7.7321e-01	1.4122e+01	7.9281e+01	-4.2184e+01
	162	1.1187e+00	0.0000e+00	-5.2294e-01	9.3625e+01	-1.0387e+02	-2.5013e+01
	163	-1.0401e+00	-7.4975e-15	8.6322e-01	5.5068e+02	1.0319e+02	-2.5486e+01
	129	-1.0401e+00	1.3690e-15	6.1295e-01	-4.1894e+02	-7.8604e+01	-4.2657e+01
770	124	5.2032e-01	-2.3666e-14	-1.1530e+00	-1.1105e+01	8.6436e+01	-4.2838e+01
	128	5.2032e-01	3.6029e-14	-8.3697e-01	2.2102e+01	-8.5236e+01	-4.3677e+01
	129	-5.1486e-01	3.1312e-14	3.1154e-01	4.3882e+02	8.4654e+01	-4.4083e+01
	125	-5.1486e-01	-1.6602e-14	-4.5050e-03	-4.2899e+02	-8.5855e+01	-4.3244e+01
771	4	-3.8534e+00	-2.2644e-14	-1.2387e+00	-1.2812e+02	7.9670e+01	-4.0285e+01
	124	-3.8534e+00	0.0000e+00	-1.3361e+00	3.3050e+01	-8.1329e+01	-3.9126e+01

	125	3.8554e+00	-1.8428e-15	-3.9054e-01	4.2481e+02	8.0617e+01	-3.9624e+01
	54	3.8554e+00	-1.6857e-14	-2.9316e-01	-5.1827e+02	-7.8958e+01	-4.0782e+01
772	119	4.1597e-01	-3.1029e-15	-2.6087e-01	1.6844e+02	1.3362e+00	-9.5962e+01
	122	4.1597e-01	-2.4618e-15	-1.0119e-01	-2.2124e+02	-2.2543e+01	-7.0646e+01
	123	-3.3520e-01	-9.1432e-15	6.2750e-02	4.8760e+01	3.2316e+01	-5.8979e+01
	121	-3.3520e-01	-8.8813e-15	-9.6930e-02	-4.1120e+01	-1.1110e+01	-8.4295e+01
773	117	5.6151e-02	1.3593e-15	-4.9143e-01	1.3250e+02	1.0848e+01	-9.0259e+01
	119	5.6151e-02	-2.5993e-15	-3.7723e-01	-1.0363e+02	-9.2092e+00	-9.2215e+01
	121	9.5010e-02	3.8699e-15	-2.0725e-01	6.6520e+01	1.3359e+01	-8.7261e+01
	118	9.5010e-02	4.6312e-15	-3.2144e-01	-4.2311e+01	-1.4998e+01	-8.5305e+01
774	72	-1.1264e+00	4.0111e-15	-5.0814e-01	1.2317e+02	1.4566e+01	-7.8541e+01
	117	-1.1264e+00	6.3732e-15	-5.7181e-01	-1.0357e+02	-6.9719e+00	-8.7607e+01
	118	1.3959e+00	3.2630e-15	-3.8911e-01	6.2315e+01	1.0234e+01	-8.3713e+01
	73	1.3959e+00	2.3631e-15	-3.2544e-01	-6.4362e+01	-1.7828e+01	-7.4647e+01
775	113	-8.5480e-02	-1.0909e-14	-2.3357e-02	1.0042e+02	2.4857e+01	-1.2283e+01
	115	-8.5480e-02	-7.2092e-03	-1.4473e-01	-1.1217e+02	4.8178e+00	-5.3185e+00
	116	6.7405e-02	-7.2092e-03	9.3143e-04	4.2885e+00	1.1359e+00	-4.3333e+00
	114	6.7405e-02	-9.2426e-15	1.2231e-01	-6.7222e+00	-2.1849e+01	-1.1298e+01
776	111	2.3316e-01	-1.0897e-14	6.0321e-02	1.0852e+02	3.0145e+01	-1.0421e+01
	113	2.3316e-01	-2.8433e-15	5.5183e-02	-1.0943e+02	-2.8581e+01	-1.1467e+01
	114	2.0260e-01	-4.4348e-16	2.5786e-01	1.8073e+01	2.7187e+01	-1.2399e+01
	112	2.0260e-01	-4.7376e-15	2.6300e-01	-2.0387e+01	-2.8751e+01	-1.1353e+01
777	70	7.0198e-01	-1.8458e-15	-2.4047e-02	1.0485e+02	2.8417e+01	-9.4198e+00
	111	7.0198e-01	-2.8258e-15	2.5123e-02	-1.1221e+02	-2.8436e+01	-9.4072e+00
	112	4.6733e-01	-6.6445e-15	1.4194e-01	1.1690e+01	2.6988e+01	-1.0375e+01
	71	4.6733e-01	-2.2857e-16	9.2765e-02	-1.9034e+01	-2.6969e+01	-1.0388e+01
778	107	-7.1131e-02	1.0603e-14	8.8496e-02	-7.0497e+00	-6.9402e+00	-3.0388e+01
	109	-7.1131e-02	-3.1080e-02	-5.2593e-02	5.3838e+00	-1.3505e+01	-3.0682e+01
	110	1.3401e-01	-3.1080e-02	-6.8548e-02	-6.3528e+00	1.3374e+01	-3.0674e+01
	108	1.3401e-01	-3.9889e-16	7.2541e-02	4.4057e+00	6.7721e+00	-3.0380e+01
779	105	1.2578e-01	-2.9731e-15	3.8623e-01	-4.3204e+00	-6.3407e+00	-3.3612e+01
	107	1.2578e-01	0.0000e+00	2.9419e-01	5.2242e+00	3.9189e+00	-3.2454e+01
	108	-1.4482e-01	1.1844e-15	2.4715e-01	-6.3148e+00	-4.2390e+00	-3.2607e+01
	106	-1.4482e-01	-3.8262e-16	3.3918e-01	8.3259e+00	6.6608e+00	-3.3765e+01
780	68	5.0943e-01	1.1196e-15	1.4829e-01	-6.3560e+00	3.4054e+00	-2.6795e+01
	105	5.0943e-01	-4.5036e-15	3.3943e-01	6.1188e+00	9.7846e+00	-3.3102e+01
	106	-4.5059e-01	-4.0810e-15	2.4597e-01	-3.3188e+00	-9.0242e+00	-3.2738e+01
	69	-4.5059e-01	-2.7991e-16	5.4827e-02	-2.9489e+00	-4.1658e+00	-2.6432e+01
781	101	5.1729e-02	-4.3010e-30	6.4510e-02	5.6140e+00	2.3700e+01	-1.0144e+01
	103	5.1729e-02	1.1942e-01	1.0936e-01	-4.0509e+00	-3.0985e+00	-2.5147e+00
	104	-1.1269e-01	1.1942e-01	-9.4849e-03	1.2334e+02	-2.4600e+00	-3.3198e+00
	102	-1.1269e-01	9.2164e-31	-5.4335e-02	-1.1157e+02	-2.6851e+01	-1.0949e+01
782	99	-2.7171e-01	-2.2518e-15	2.1897e-01	2.0497e+01	2.9507e+01	-1.0847e+01
	101	-2.7171e-01	0.0000e+00	7.5271e-02	-1.6975e+01	-2.9233e+01	-1.1031e+01
	102	-1.6485e-01	-7.3460e-30	-7.6056e-02	1.1763e+02	3.0744e+01	-1.0020e+01
	100	-1.6485e-01	-2.2518e-15	6.7644e-02	-1.1435e+02	-3.1018e+01	-9.8371e+00
783	66	-2.5651e-01	-2.2518e-15	2.0834e-01	1.4729e+01	2.5820e+01	-1.1157e+01
	99	-2.5651e-01	-2.2518e-15	3.1471e-01	-9.7307e+00	-2.8033e+01	-9.6764e+00
	100	-9.7465e-01	-2.2518e-15	2.3048e-01	1.1513e+02	2.9577e+01	-8.6436e+00
	67	-9.7465e-01	-2.2518e-15	1.2411e-01	-1.0816e+02	-2.7364e+01	-1.0124e+01
784	95	2.4017e-01	-2.3680e-30	1.5583e-01	-1.9689e+01	-1.5149e+01	-1.1034e+02
	97	2.4017e-01	9.0072e-15	1.2944e-01	1.6803e+01	1.1102e+01	-1.0692e+02
	98	1.2579e-01	9.0072e-15	5.0934e-01	-6.4203e+01	-8.4174e+00	-1.0466e+02
	96	1.2579e-01	1.1840e-30	5.3573e-01	6.7080e+01	1.2465e+01	-1.0807e+02
785	93	1.2178e+00	-2.1452e-30	1.1240e-01	-1.4213e+00	-1.3983e+01	-1.1501e+02
	95	1.2178e+00	0.0000e+00	9.8634e-02	7.2882e+00	1.1773e+01	-1.1314e+02
	96	-2.9899e-02	-3.4876e-30	5.4395e-01	-6.8897e+01	-7.8624e+00	-1.0984e+02

	94	-2.9899e-02	1.0726e-30	5.5771e-01	7.7910e+01	1.0072e+01	-1.1171e+02
786	63	2.4075e+00	-1.8210e-30	3.5970e-01	5.1202e+00	5.9924e+00	-9.0873e+01
	93	2.4075e+00	0.0000e+00	3.2799e-01	-4.6625e+00	2.0220e+01	-1.1299e+02
	94	-1.7082e-02	-1.3619e-30	4.7117e-01	-6.3831e+01	-1.7372e+01	-1.1059e+02
	62	-1.7082e-02	9.1048e-31	5.0288e-01	2.6966e+01	-8.8406e+00	-8.8470e+01
787	88	-2.5403e-01	2.2987e-15	2.7791e-01	1.4986e+02	7.2369e+00	-8.8918e+01
	90	-2.5403e-01	2.7607e-15	3.7545e-01	-1.5990e+02	-2.1995e+01	-7.1300e+01
	92	-2.1565e-02	2.6030e-15	3.6875e-02	1.0160e+02	2.6512e+01	-6.5907e+01
	89	-2.1565e-02	1.8048e-15	-6.0664e-02	-6.9578e+01	-1.1755e+01	-8.3525e+01
788	86	-3.1428e-01	7.2306e-16	6.9675e-01	1.4723e+02	1.3961e+01	-8.6542e+01
	88	-3.1428e-01	1.9182e-15	3.5841e-01	-1.2288e+02	-1.1616e+01	-8.9342e+01
	89	-4.7900e-01	1.5679e-15	-3.6141e-02	8.3891e+01	1.5528e+01	-8.4672e+01
	87	-4.7900e-01	8.1508e-16	3.0219e-01	-6.6228e+01	-1.7873e+01	-8.1872e+01
789	65	5.2985e-01	1.9497e-16	6.5028e-01	1.5521e+02	1.7173e+01	-7.5429e+01
	86	5.2985e-01	8.8718e-16	8.8466e-01	-1.2452e+02	-9.4898e+00	-8.4601e+01
	87	-2.1564e+00	8.5917e-16	5.6773e-01	8.2980e+01	1.3486e+01	-7.9831e+01
	64	-2.1564e+00	-7.9112e-18	3.3336e-01	-7.4185e+01	-2.1169e+01	-7.0659e+01
790	82	-1.1358e+00	-7.2057e-14	-6.0521e-01	3.9648e+02	7.2543e+01	-4.6890e+01
	84	-1.1358e+00	3.6029e-14	-1.1538e+00	-4.7766e+02	-9.9765e+01	-2.7877e+01
	85	1.3072e+00	3.6029e-14	5.6925e-01	-4.2686e+01	1.0035e+02	-2.7469e+01
	83	1.3072e+00	-7.2057e-14	1.1178e+00	-1.1941e+01	-7.3127e+01	-4.6482e+01
791	80	-1.7007e-01	0.0000e+00	-3.1003e-01	3.5926e+02	7.4884e+01	-5.0907e+01
	82	-1.7007e-01	-7.2057e-14	-1.8013e-01	-3.2565e+02	-7.9332e+01	-4.7800e+01
	83	4.0725e-01	-7.2057e-14	1.2782e+00	5.3631e+01	7.9729e+01	-4.7523e+01
	81	4.0725e-01	0.0000e+00	1.1483e+00	-1.5686e+01	-7.5281e+01	-5.0629e+01
792	59	3.8701e+00	-4.5036e-15	5.4210e-01	3.5247e+02	6.9719e+01	-4.7235e+01
	80	3.8701e+00	0.0000e+00	-1.9574e-01	-3.1680e+02	-7.0061e+01	-4.6996e+01
	81	-3.4823e+00	0.0000e+00	1.0435e+00	2.5329e+01	7.0483e+01	-4.6701e+01
	57	-3.4823e+00	-4.5036e-15	1.7813e+00	1.0667e+01	-7.0142e+01	-4.6940e+01
793	76	-1.2799e+00	4.0913e-14	9.9096e-01	2.5227e+01	8.8294e+01	-3.5889e+01
	78	-1.2799e+00	3.6029e-14	3.9379e-01	9.4526e+01	-1.1367e+02	-1.8166e+01
	79	1.1824e+00	4.1970e-14	-1.0580e+00	5.9774e+02	1.1295e+02	-1.8671e+01
	77	1.1824e+00	3.4808e-14	-4.6079e-01	-4.5323e+02	-8.7571e+01	-3.6394e+01
794	74	-3.0049e-01	2.2897e-14	9.2895e-01	-2.8049e+01	9.1550e+01	-3.9267e+01
	76	-3.0049e-01	0.0000e+00	1.1410e+00	1.9743e+01	-9.4687e+01	-3.7076e+01
	77	2.1810e-01	3.4198e-15	3.6375e-02	4.7394e+02	9.4041e+01	-3.7527e+01
	75	2.1810e-01	1.6794e-14	-1.7563e-01	-4.7919e+02	-9.0904e+01	-3.9718e+01
795	55	3.5244e+00	4.0379e-15	1.4713e+00	-6.9564e+01	7.4104e+01	-4.4173e+01
	74	3.5244e+00	0.0000e+00	5.5914e-01	2.4225e+01	-8.7732e+01	-3.4654e+01
	75	-3.7378e+00	9.7167e-16	8.8976e-02	4.2407e+02	8.7104e+01	-3.5093e+01
	56	-3.7378e+00	3.4941e-15	1.0011e+00	-4.5611e+02	-7.3475e+01	-4.4612e+01
796	503	-2.8929e+00	-1.2048e-15	-7.2829e-01	1.6651e+02	2.4725e+01	-2.9847e+01
	72	-2.8929e+00	4.4565e-15	-4.0704e-01	-6.4211e+01	7.5572e+00	-6.7329e+01
	73	3.4087e+00	3.0648e-15	-4.4629e-01	4.3762e+01	-2.2502e+00	-6.1167e+01
	504	3.4087e+00	-5.0163e-16	-7.6754e-01	-2.8508e+01	-3.0032e+01	-2.3685e+01
797	496	1.5062e+00	-4.1263e-16	3.4614e-01	7.6553e+01	1.8623e+01	-5.2363e+00
	70	1.5062e+00	-2.7601e-15	2.1126e-01	-8.2043e+01	-2.1207e+01	-3.5556e+00
	71	6.9262e-02	-3.8115e-15	7.2332e-04	-1.1108e+00	1.9118e+01	-4.9140e+00
	497	6.9262e-02	-2.0669e-16	1.3560e-01	-2.1930e+00	-1.6534e+01	-6.5947e+00
798	498	2.9131e-01	-9.4669e-16	2.2126e-02	2.9319e+00	9.0463e+00	-1.3143e+01
	68	2.9131e-01	0.0000e+00	-8.5753e-03	3.3160e+00	9.9080e+00	-2.1957e+01
	69	-6.6457e-01	-2.7407e-17	-1.3397e-01	-1.8056e+00	-9.9918e+00	-2.1996e+01
	499	-6.6457e-01	-1.3114e-15	-1.0327e-01	-1.4488e-01	-8.9625e+00	-1.3182e+01
799	495	-4.8309e-01	-7.3241e-30	-5.1048e-01	-4.6166e+00	1.4871e+01	-7.6764e+00
	66	-4.8309e-01	-2.2518e-15	-2.2981e-01	8.1340e+00	-1.8102e+01	-5.5748e+00
	67	-8.5826e-01	-2.2518e-15	-4.8065e-02	8.4159e+01	2.0420e+01	-4.0672e+00
	494	-8.5826e-01	1.5695e-30	-3.2874e-01	-7.7907e+01	-1.7189e+01	-6.1688e+00

800	493	-2.8614e+00	9.6105e-16	1.2694e-01	5.5757e+01	1.5313e+01	-4.0775e+01
	64	-2.8614e+00	1.0678e-16	-3.3732e-01	-5.1088e+01	-5.1316e-01	-5.7959e+01
	65	2.6585e-01	-3.4612e-16	4.4775e-01	3.5690e+01	5.2085e-01	-5.7950e+01
	492	2.6585e-01	5.6867e-16	9.1201e-01	-7.0925e+01	-1.5320e+01	-4.0766e+01
801	500	-1.0812e+00	2.8147e-16	3.9437e-01	5.1599e+01	2.5672e+01	-3.7486e+01
	62	-1.0812e+00	0.0000e+00	3.1654e-01	3.1989e+01	2.2959e+01	-7.7396e+01
	63	4.4282e+00	0.0000e+00	-1.0391e+00	9.9100e+00	-2.2503e+01	-7.7022e+01
	501	4.4282e+00	2.8147e-16	-9.6124e-01	8.1726e+00	-2.6128e+01	-3.7112e+01
802	489	-1.2436e+01	-5.6295e-16	-1.5101e+00	-9.1277e+01	3.6821e+01	-3.3541e+01
	57	-1.2436e+01	-4.5036e-15	-2.2052e+00	-3.3743e+01	-4.3820e+01	-2.8786e+01
	59	1.2940e+01	-4.5036e-15	-1.2883e+00	1.6095e+02	4.6155e+01	-2.7200e+01
	488	1.2940e+01	-5.6295e-16	-5.9329e-01	-2.7951e+02	-3.9156e+01	-3.1955e+01
803	482	1.2430e+01	2.6508e-16	1.5214e-01	-5.1074e+02	-4.6192e+01	-8.9934e+01
	55	1.2430e+01	-4.5036e-15	1.2516e+00	6.3633e+01	-5.4902e+01	-2.1258e+01
	56	-1.3025e+01	-5.4942e-15	2.6149e+00	1.4353e+02	6.0599e+01	-1.7388e+01
	483	-1.3025e+01	4.9668e-16	1.5153e+00	-4.9733e+02	4.0494e+01	-8.6064e+01
804	474	-9.2631e+00	-4.4048e-15	-1.0787e+00	-1.3910e+02	3.8662e+01	-3.2290e+01
	4	-9.2631e+00	0.0000e+00	-8.1653e-01	-8.3243e+01	-5.4144e+01	-2.1773e+01
	54	9.2762e+00	2.6547e-16	-2.2541e-01	1.4402e+02	5.6732e+01	-2.0015e+01
	475	9.2762e+00	-3.9653e-15	-4.8755e-01	-3.5207e+02	-4.1250e+01	-3.0532e+01
805	479	-9.8680e+00	-6.4375e-15	-7.4571e-01	2.4581e+02	4.6638e+01	-2.6872e+01
	2	-9.8680e+00	-1.2950e-14	-6.0893e-01	-1.4034e+02	-4.6420e+01	-2.7020e+01
	3	9.2179e+00	-8.2994e-15	-7.7075e-01	7.0498e+01	4.4777e+01	-2.8136e+01
	478	9.2179e+00	-7.2493e-15	-9.0754e-01	3.4773e+01	-4.4995e+01	-2.7988e+01
1	12	0.0000e+00	0.0000e+00	0.0000e+00	4.0012e+02	3.7677e+02	-2.2956e+01
	17	0.0000e+00	0.0000e+00	0.0000e+00	2.1203e+02	3.0666e+02	-1.4446e+02
	36	0.0000e+00	0.0000e+00	0.0000e+00	3.0635e+02	1.5082e+02	-7.5014e+01
2	36	0.0000e+00	0.0000e+00	0.0000e+00	-1.7377e+02	-3.6306e+02	-7.4060e+01
	12	0.0000e+00	0.0000e+00	0.0000e+00	-3.5450e+02	-3.9156e+02	3.8662e+01
	466	0.0000e+00	0.0000e+00	0.0000e+00	-2.2856e+02	-1.8313e+02	-5.7018e+00
3	17	0.0000e+00	0.0000e+00	0.0000e+00	1.9778e+02	3.3726e+02	3.7484e+00
	12	0.0000e+00	0.0000e+00	0.0000e+00	3.7402e+02	4.0713e+02	-9.9361e+01
	19	0.0000e+00	0.0000e+00	0.0000e+00	1.8775e+01	-9.6004e+00	1.2140e+02
4	12	0.0000e+00	0.0000e+00	0.0000e+00	3.7924e+02	3.6875e+02	-5.0097e+01
	466	0.0000e+00	0.0000e+00	0.0000e+00	1.4207e+02	3.1722e+02	-1.0685e+02
	516	0.0000e+00	0.0000e+00	0.0000e+00	1.1697e+02	1.3634e+01	-1.8130e+02
5	19	0.0000e+00	0.0000e+00	0.0000e+00	-1.8084e+02	1.7689e+02	1.7323e+02
	12	0.0000e+00	0.0000e+00	0.0000e+00	4.7744e+02	3.3910e+02	3.0861e+01
	516	0.0000e+00	0.0000e+00	0.0000e+00	1.2044e+02	-2.0956e+01	2.1789e+02
6	346	0.0000e+00	0.0000e+00	0.0000e+00	-1.4326e+01	-1.1034e+02	1.2687e+02
	335	0.0000e+00	0.0000e+00	0.0000e+00	-2.7315e+01	-1.2584e+02	9.7687e+01
	16	0.0000e+00	0.0000e+00	0.0000e+00	-5.9043e+01	-1.1200e+02	7.3491e+01
7	16	0.0000e+00	0.0000e+00	0.0000e+00	1.1561e+01	2.4611e+02	-4.0873e+01
	346	0.0000e+00	0.0000e+00	0.0000e+00	-6.7819e+01	2.4701e+02	-5.1360e+00
	19	0.0000e+00	0.0000e+00	0.0000e+00	-1.5002e+01	3.0602e+02	-2.1559e+01
8	16	0.0000e+00	0.0000e+00	0.0000e+00	-7.9330e+01	-2.5098e+02	-8.6034e+01
	335	0.0000e+00	0.0000e+00	0.0000e+00	-6.2891e+01	-2.1176e+02	-7.7731e+01
	463	0.0000e+00	0.0000e+00	0.0000e+00	-7.4733e+01	-1.2253e+02	-5.3018e+01
9	16	0.0000e+00	0.0000e+00	0.0000e+00	1.0169e+02	3.5886e+01	1.2677e+02
	19	0.0000e+00	0.0000e+00	0.0000e+00	9.3236e+01	-1.5121e+01	1.3007e+02
	15	0.0000e+00	0.0000e+00	0.0000e+00	1.0524e+02	-4.9548e+01	5.9965e+01
10	19	0.0000e+00	0.0000e+00	0.0000e+00	1.3995e+02	-2.3880e+02	-9.0809e+01
	15	0.0000e+00	0.0000e+00	0.0000e+00	8.1256e+01	8.1239e+00	5.2241e+01
	17	0.0000e+00	0.0000e+00	0.0000e+00	1.8023e+02	9.6623e+01	1.2139e+02
11	15	0.0000e+00	0.0000e+00	0.0000e+00	2.3624e+00	-2.0218e+02	-4.9145e+01
	17	0.0000e+00	0.0000e+00	0.0000e+00	5.4707e+01	-2.2851e+02	1.0916e+01

	35	0.0000e+00	0.0000e+00	0.0000e+00	6.3411e+01	-1.5579e+02	-7.1592e+01
12	15	0.0000e+00	0.0000e+00	0.0000e+00	-1.5886e+02	2.1150e+02	2.6534e+01
	35	0.0000e+00	0.0000e+00	0.0000e+00	-1.5300e+02	1.1675e+02	8.0643e+01
	10	0.0000e+00	0.0000e+00	0.0000e+00	-1.1109e+02	1.1355e+02	-5.4009e+01
13	10	0.0000e+00	0.0000e+00	0.0000e+00	-1.1997e+02	-1.2324e+02	1.2221e+01
	15	0.0000e+00	0.0000e+00	0.0000e+00	-1.6483e+02	-3.1376e+01	7.6132e+01
	16	0.0000e+00	0.0000e+00	0.0000e+00	-7.9904e+01	-1.4855e+02	2.1831e+02
14	10	0.0000e+00	0.0000e+00	0.0000e+00	-1.1021e+02	-2.7327e+02	1.7796e+01
	16	0.0000e+00	0.0000e+00	0.0000e+00	7.5137e+01	-2.9673e+02	1.9346e+01
	463	0.0000e+00	0.0000e+00	0.0000e+00	4.0340e+01	-1.9219e+02	8.8765e+00
24	584	0.0000e+00	0.0000e+00	0.0000e+00	3.8167e+01	-2.8245e+01	-1.0580e+01
	511	0.0000e+00	0.0000e+00	0.0000e+00	1.8488e+01	-1.0920e+01	-1.6715e+01
	32	0.0000e+00	0.0000e+00	0.0000e+00	1.8988e+01	-5.4283e+01	1.2911e-01
25	412	0.0000e+00	0.0000e+00	0.0000e+00	8.0026e+00	1.7902e+01	-7.8585e+01
	584	0.0000e+00	0.0000e+00	0.0000e+00	2.7406e+01	1.4407e+01	-6.5997e+01
	511	0.0000e+00	0.0000e+00	0.0000e+00	4.7630e+01	2.8537e+01	-5.9732e+01
26	52	0.0000e+00	0.0000e+00	0.0000e+00	4.8498e+01	-5.0902e+00	-3.6642e+01
	584	0.0000e+00	0.0000e+00	0.0000e+00	3.2187e+01	-2.0284e+01	-3.0088e+01
	32	0.0000e+00	0.0000e+00	0.0000e+00	2.3231e+01	-2.3805e+01	-3.3690e+01
27	412	0.0000e+00	0.0000e+00	0.0000e+00	8.5640e-01	-2.0523e+01	6.8003e+01
	52	0.0000e+00	0.0000e+00	0.0000e+00	1.2857e+02	-2.0790e+01	7.5664e+01
	584	0.0000e+00	0.0000e+00	0.0000e+00	6.8404e+01	-1.7494e+00	7.0546e+01
124	52	0.0000e+00	0.0000e+00	0.0000e+00	-4.4358e+01	4.7250e+01	2.9743e+01
	464	0.0000e+00	0.0000e+00	0.0000e+00	7.6831e+00	5.8342e+01	5.8731e+01
	421	0.0000e+00	0.0000e+00	0.0000e+00	-2.4381e+01	-1.6941e+01	6.5227e+01
	536	0.0000e+00	0.0000e+00	0.0000e+00	1.4578e+01	-3.1726e+01	3.4581e+01
129	5	0.0000e+00	0.0000e+00	0.0000e+00	-2.8118e+02	8.6886e+01	8.1261e+01
	586	0.0000e+00	0.0000e+00	0.0000e+00	-7.9338e+01	1.2913e+02	1.7186e+02
	535	0.0000e+00	0.0000e+00	0.0000e+00	-2.3429e+02	9.4726e+01	1.0414e+02
130	535	0.0000e+00	0.0000e+00	0.0000e+00	-1.6633e+02	-3.0584e+01	-1.5314e+02
	586	0.0000e+00	0.0000e+00	0.0000e+00	-1.3682e+02	-6.6960e+00	-1.0318e+02
	28	0.0000e+00	0.0000e+00	0.0000e+00	-1.4830e+02	-1.4835e+02	-1.5846e+02
131	28	0.0000e+00	0.0000e+00	0.0000e+00	-2.1649e+02	5.6468e+01	1.4947e+01
	27	0.0000e+00	0.0000e+00	0.0000e+00	1.7382e+02	1.9113e+02	-1.6744e+01
	534	0.0000e+00	0.0000e+00	0.0000e+00	-1.2704e+01	-6.8720e+01	-1.9688e+01
	535	0.0000e+00	0.0000e+00	0.0000e+00	-1.6475e+02	8.4368e+01	-8.0659e+00
132	204	0.0000e+00	0.0000e+00	0.0000e+00	-3.2009e+02	-1.0804e+02	-1.4027e+02
	5	0.0000e+00	0.0000e+00	0.0000e+00	-5.5865e+02	2.1476e+01	-8.0328e+01
	535	0.0000e+00	0.0000e+00	0.0000e+00	-2.7236e+02	9.3293e+01	2.3095e+01
	534	0.0000e+00	0.0000e+00	0.0000e+00	-1.3412e+01	7.5750e+01	-6.6655e+01
133	462	0.0000e+00	0.0000e+00	0.0000e+00	-1.6312e+01	-9.1355e+01	5.4478e+01
	414	0.0000e+00	0.0000e+00	0.0000e+00	1.9289e+01	-2.7141e+02	-3.2555e+00
	6	0.0000e+00	0.0000e+00	0.0000e+00	-7.9183e+01	2.3987e+01	-4.7506e+01
	533	0.0000e+00	0.0000e+00	0.0000e+00	4.1208e+00	-7.2579e+00	2.0329e+01
134	534	0.0000e+00	0.0000e+00	0.0000e+00	-7.4554e+01	1.9646e+00	3.2876e+01
	27	0.0000e+00	0.0000e+00	0.0000e+00	1.9159e+02	1.9880e+02	-4.5036e+00
	462	0.0000e+00	0.0000e+00	0.0000e+00	4.6792e+01	-1.4552e+02	4.6442e+00
	533	0.0000e+00	0.0000e+00	0.0000e+00	5.9513e+01	1.9610e+01	3.6206e+01
135	204	0.0000e+00	0.0000e+00	0.0000e+00	1.7988e+00	-2.9877e+02	5.8943e+01
	534	0.0000e+00	0.0000e+00	0.0000e+00	9.9158e+01	4.8181e+01	9.3988e+00
	533	0.0000e+00	0.0000e+00	0.0000e+00	-4.3479e+01	6.4809e+01	5.0991e+00
	6	0.0000e+00	0.0000e+00	0.0000e+00	-6.9444e+00	2.9786e+02	1.1865e+02
136	454	0.0000e+00	0.0000e+00	0.0000e+00	1.0563e+02	1.5502e+01	-3.8513e+00
	515	0.0000e+00	0.0000e+00	0.0000e+00	2.1800e+02	-5.5967e+01	6.9895e+01
	582	0.0000e+00	0.0000e+00	0.0000e+00	1.8674e+02	9.3250e+01	-1.4445e+00

137	582	0.0000e+00	0.0000e+00	0.0000e+00	1.6924e+02	1.9462e+02	8.9910e+01
	515	0.0000e+00	0.0000e+00	0.0000e+00	6.5111e+01	1.8667e+02	2.0709e+01
	532	0.0000e+00	0.0000e+00	0.0000e+00	8.7723e+01	6.6752e+01	5.8514e+01
138	515	0.0000e+00	0.0000e+00	0.0000e+00	6.5875e+01	4.9524e+01	8.3285e+01
	516	0.0000e+00	0.0000e+00	0.0000e+00	6.8099e+01	-1.2751e+02	1.3208e+02
	11	0.0000e+00	0.0000e+00	0.0000e+00	9.2664e+01	-5.9766e+01	1.4198e+00
139	11	0.0000e+00	0.0000e+00	0.0000e+00	4.6978e+01	-1.9389e+02	-3.4870e+01
	515	0.0000e+00	0.0000e+00	0.0000e+00	-1.4322e+02	-1.4335e+02	-9.4819e+01
	532	0.0000e+00	0.0000e+00	0.0000e+00	1.3072e+00	-6.6744e+01	-1.7747e+01
140	346	0.0000e+00	0.0000e+00	0.0000e+00	-3.9480e+01	1.9380e+02	1.1032e+02
	11	0.0000e+00	0.0000e+00	0.0000e+00	-9.4770e+01	1.9332e+02	7.9880e+01
	19	0.0000e+00	0.0000e+00	0.0000e+00	-5.2502e+01	2.5558e+02	1.2153e+02
141	11	0.0000e+00	0.0000e+00	0.0000e+00	4.5358e+01	-9.3353e+01	9.2585e+01
	516	0.0000e+00	0.0000e+00	0.0000e+00	-1.2802e+02	-9.8328e+01	6.1960e+01
	19	0.0000e+00	0.0000e+00	0.0000e+00	-1.8011e+01	-8.6575e+01	8.1850e+01
142	514	0.0000e+00	0.0000e+00	0.0000e+00	-3.3403e+01	1.1197e+02	1.2162e+02
	532	0.0000e+00	0.0000e+00	0.0000e+00	-7.3165e+00	8.6438e+01	8.2986e+01
	11	0.0000e+00	0.0000e+00	0.0000e+00	-7.2401e+01	1.4078e+02	8.5714e+01
	346	0.0000e+00	0.0000e+00	0.0000e+00	-7.4821e+00	1.0064e+02	1.1742e+02
143	463	0.0000e+00	0.0000e+00	0.0000e+00	1.2039e+02	4.0486e+01	-6.5631e+01
	513	0.0000e+00	0.0000e+00	0.0000e+00	1.2540e+01	2.7967e+01	-2.1037e+01
	530	0.0000e+00	0.0000e+00	0.0000e+00	2.2942e+01	5.8188e+01	-4.5263e+01
	335	0.0000e+00	0.0000e+00	0.0000e+00	1.5184e+02	1.4053e+02	-1.0272e+02
144	514	0.0000e+00	0.0000e+00	0.0000e+00	1.3769e+02	-5.5298e+01	-6.6426e+01
	346	0.0000e+00	0.0000e+00	0.0000e+00	1.7628e+02	-5.2619e+01	-6.5140e+01
	335	0.0000e+00	0.0000e+00	0.0000e+00	1.9182e+02	-3.5542e+01	-5.9453e+01
	530	0.0000e+00	0.0000e+00	0.0000e+00	8.7174e+01	-2.9116e+01	-9.1195e+01
145	531	0.0000e+00	0.0000e+00	0.0000e+00	4.9838e+01	-1.1574e+02	-6.2154e+01
	451	0.0000e+00	0.0000e+00	0.0000e+00	-1.1295e+02	-1.3666e+02	4.4944e+01
	454	0.0000e+00	0.0000e+00	0.0000e+00	-3.7791e+01	1.8774e+02	2.7359e+01
	582	0.0000e+00	0.0000e+00	0.0000e+00	2.2300e+02	2.2843e+02	-8.1682e+01
146	514	0.0000e+00	0.0000e+00	0.0000e+00	1.3441e+02	-4.9443e+01	-1.2193e+02
	531	0.0000e+00	0.0000e+00	0.0000e+00	7.4503e+01	-1.5039e+02	-4.9735e+01
	582	0.0000e+00	0.0000e+00	0.0000e+00	2.7369e+02	2.0500e+02	-2.7254e+01
	532	0.0000e+00	0.0000e+00	0.0000e+00	1.3243e+02	6.6039e+01	-9.3633e+01
147	450	0.0000e+00	0.0000e+00	0.0000e+00	-1.2560e+02	-1.6992e+02	-2.3266e+01
	451	0.0000e+00	0.0000e+00	0.0000e+00	1.0259e+02	-5.2791e+01	-5.4447e+01
	531	0.0000e+00	0.0000e+00	0.0000e+00	-2.4364e+01	6.0243e+00	-2.1729e+01
	469	0.0000e+00	0.0000e+00	0.0000e+00	3.8400e+01	-3.6037e+01	2.3560e+01
148	530	0.0000e+00	0.0000e+00	0.0000e+00	4.4673e+01	-3.8799e+01	1.0941e+01
	513	0.0000e+00	0.0000e+00	0.0000e+00	5.1255e+00	1.7674e+01	-1.8008e+01
	450	0.0000e+00	0.0000e+00	0.0000e+00	-1.6581e+02	-9.7674e+01	-1.9746e+01
	469	0.0000e+00	0.0000e+00	0.0000e+00	3.7697e+01	-1.0215e+02	1.5236e+01
149	514	0.0000e+00	0.0000e+00	0.0000e+00	1.7367e+01	1.1438e+02	9.6587e+01
	530	0.0000e+00	0.0000e+00	0.0000e+00	6.9417e+00	-2.8636e+01	9.5150e+01
	469	0.0000e+00	0.0000e+00	0.0000e+00	1.5521e+01	-3.6559e+01	1.3033e+01
	531	0.0000e+00	0.0000e+00	0.0000e+00	5.9407e+00	3.6574e+01	1.7992e+01
150	21	0.0000e+00	0.0000e+00	0.0000e+00	-1.0199e+02	-1.6177e+02	-2.4515e+01
	22	0.0000e+00	0.0000e+00	0.0000e+00	2.3250e+01	-2.1272e+02	-3.8791e+01
	30	0.0000e+00	0.0000e+00	0.0000e+00	1.8464e+01	5.3932e+01	-7.1878e+01
151	171	0.0000e+00	0.0000e+00	0.0000e+00	1.3238e+02	4.6669e+01	-2.0859e+00
	30	0.0000e+00	0.0000e+00	0.0000e+00	-9.1008e+00	7.2069e+01	-2.0018e+01
	21	0.0000e+00	0.0000e+00	0.0000e+00	1.2129e+02	2.2813e+02	1.3616e+01
152	171	0.0000e+00	0.0000e+00	0.0000e+00	6.6549e+00	1.5940e+02	1.7273e+01
	21	0.0000e+00	0.0000e+00	0.0000e+00	2.0356e+02	1.4767e+02	-2.4497e+01
	413	0.0000e+00	0.0000e+00	0.0000e+00	2.5336e+01	-5.8929e+01	-1.9780e+01

153	413	0.0000e+00	0.0000e+00	0.0000e+00	7.8737e+01	-7.0245e+01	-1.5522e+01
	171	0.0000e+00	0.0000e+00	0.0000e+00	-1.4189e+02	-3.6123e+01	1.9267e+01
	398	0.0000e+00	0.0000e+00	0.0000e+00	5.9562e+01	1.6911e+02	1.7832e+01
154	524	0.0000e+00	0.0000e+00	0.0000e+00	7.7906e+01	-1.5099e+01	-8.5007e+00
	526	0.0000e+00	0.0000e+00	0.0000e+00	4.9727e+00	3.1592e+00	1.0365e+01
	525	0.0000e+00	0.0000e+00	0.0000e+00	3.1413e+01	-4.5247e+01	3.5415e+01
155	524	0.0000e+00	0.0000e+00	0.0000e+00	9.1990e+00	3.0426e+01	-3.3183e+01
	525	0.0000e+00	0.0000e+00	0.0000e+00	1.1026e+01	4.4512e+01	-3.7259e+01
	34	0.0000e+00	0.0000e+00	0.0000e+00	7.3114e+00	6.4359e+01	-2.6695e+01
156	23	0.0000e+00	0.0000e+00	0.0000e+00	4.3245e+01	1.4207e+02	-3.5859e+01
	513	0.0000e+00	0.0000e+00	0.0000e+00	-4.3059e+01	2.9282e+01	-5.3511e+01
	450	0.0000e+00	0.0000e+00	0.0000e+00	-2.3744e+01	7.1001e+01	-1.3291e+02
157	425	0.0000e+00	0.0000e+00	0.0000e+00	-9.4741e+01	-1.6274e+02	-2.5781e+01
	450	0.0000e+00	0.0000e+00	0.0000e+00	9.3947e+01	-3.4063e+01	-4.0622e+01
	23	0.0000e+00	0.0000e+00	0.0000e+00	-1.7603e+01	-1.2204e+02	1.7922e+01
158	34	0.0000e+00	0.0000e+00	0.0000e+00	-6.8573e+01	3.6931e+01	3.9471e+01
	524	0.0000e+00	0.0000e+00	0.0000e+00	-4.2494e+01	2.6476e+01	2.0907e+01
	33	0.0000e+00	0.0000e+00	0.0000e+00	-7.0107e+01	1.1403e+01	1.4825e+00
159	33	0.0000e+00	0.0000e+00	0.0000e+00	1.4434e+01	-2.2438e+01	1.2214e+01
	34	0.0000e+00	0.0000e+00	0.0000e+00	-4.3839e+01	9.2955e+01	1.1496e+01
	465	0.0000e+00	0.0000e+00	0.0000e+00	-2.7583e+01	-2.5598e+01	5.8557e+01
160	33	0.0000e+00	0.0000e+00	0.0000e+00	2.2973e+01	-5.7234e+00	6.9288e+00
	465	0.0000e+00	0.0000e+00	0.0000e+00	3.8514e+01	-1.4459e+01	1.6632e+01
	512	0.0000e+00	0.0000e+00	0.0000e+00	2.9054e+01	-2.2951e+01	2.8203e+00
161	465	0.0000e+00	0.0000e+00	0.0000e+00	-1.2878e+02	3.2249e+01	-2.6711e+01
	34	0.0000e+00	0.0000e+00	0.0000e+00	-2.5379e+01	-3.2311e+01	-7.3660e+01
	10	0.0000e+00	0.0000e+00	0.0000e+00	-1.1065e+02	-3.9187e+01	-1.5770e+02
162	10	0.0000e+00	0.0000e+00	0.0000e+00	-3.7375e+01	3.3665e+00	1.2353e+02
	34	0.0000e+00	0.0000e+00	0.0000e+00	-3.0004e+01	6.8713e+01	1.1230e+02
	35	0.0000e+00	0.0000e+00	0.0000e+00	-4.8581e+01	1.5596e+02	1.8672e+02
163	35	0.0000e+00	0.0000e+00	0.0000e+00	1.6541e+01	-1.5266e+02	1.2334e+02
	17	0.0000e+00	0.0000e+00	0.0000e+00	-1.4190e+02	-3.1466e+02	5.5394e+01
	36	0.0000e+00	0.0000e+00	0.0000e+00	-1.9922e+02	-2.6009e+02	-9.7963e+01
164	529	0.0000e+00	0.0000e+00	0.0000e+00	7.7635e+00	-1.3222e+01	9.2048e+00
	526	0.0000e+00	0.0000e+00	0.0000e+00	-7.1441e+00	-1.7697e+01	9.1490e+00
	42	0.0000e+00	0.0000e+00	0.0000e+00	-1.8959e+01	-1.4800e+00	8.8444e+00
	127	0.0000e+00	0.0000e+00	0.0000e+00	1.0115e+01	-1.6441e+00	6.6445e+00
165	33	0.0000e+00	0.0000e+00	0.0000e+00	9.4818e+00	-2.6015e+01	5.8667e+00
	524	0.0000e+00	0.0000e+00	0.0000e+00	1.1511e+01	-5.0506e+01	-6.2004e+00
	526	0.0000e+00	0.0000e+00	0.0000e+00	4.0121e+00	1.0590e+00	1.6251e+00
	529	0.0000e+00	0.0000e+00	0.0000e+00	8.2884e+00	-3.3692e+01	4.5631e+00
166	528	0.0000e+00	0.0000e+00	0.0000e+00	3.1836e+01	-1.2078e+01	-2.1321e+01
	529	0.0000e+00	0.0000e+00	0.0000e+00	2.1885e+01	-1.6314e+01	5.4569e-01
	127	0.0000e+00	0.0000e+00	0.0000e+00	-6.1577e+00	4.4260e+00	9.4311e+00
	126	0.0000e+00	0.0000e+00	0.0000e+00	7.9501e+01	-1.3771e+01	-1.5561e+01
167	32	0.0000e+00	0.0000e+00	0.0000e+00	-5.8378e+00	-2.9649e+01	-8.9865e+00
	33	0.0000e+00	0.0000e+00	0.0000e+00	-4.3259e+00	-3.0494e+01	1.0830e+01
	529	0.0000e+00	0.0000e+00	0.0000e+00	1.0638e+01	-1.8314e+01	5.1046e+00
	528	0.0000e+00	0.0000e+00	0.0000e+00	2.6347e+01	-1.3510e+01	-1.4917e+01
168	511	0.0000e+00	0.0000e+00	0.0000e+00	-3.7895e+01	-1.0250e+01	-1.5825e+01
	512	0.0000e+00	0.0000e+00	0.0000e+00	-1.5528e+01	-1.4223e+01	6.7073e+00
	33	0.0000e+00	0.0000e+00	0.0000e+00	-4.1673e+00	5.0137e+00	9.5566e+00
	32	0.0000e+00	0.0000e+00	0.0000e+00	-2.4273e+01	-1.0765e+00	-1.1883e+01
169	464	0.0000e+00	0.0000e+00	0.0000e+00	4.9640e+01	-1.5173e+01	-6.7137e+01
	528	0.0000e+00	0.0000e+00	0.0000e+00	5.0784e+01	1.7908e+00	-3.6789e+01
	126	0.0000e+00	0.0000e+00	0.0000e+00	6.2284e+01	1.2804e+01	-7.7219e+01

	1	0.0000e+00	0.0000e+00	0.0000e+00	6.6648e+01	1.2017e+02	-8.8552e+01
170	52	0.0000e+00	0.0000e+00	0.0000e+00	1.4472e+01	-4.4573e+01	-6.0700e+01
	32	0.0000e+00	0.0000e+00	0.0000e+00	1.0483e+00	-2.4954e+01	-3.1981e+01
	528	0.0000e+00	0.0000e+00	0.0000e+00	3.8146e+01	4.0551e-01	-3.7672e+01
	464	0.0000e+00	0.0000e+00	0.0000e+00	3.4848e+01	3.3374e+01	-6.3354e+01
171	527	0.0000e+00	0.0000e+00	0.0000e+00	-4.2010e+01	1.4495e+02	-1.7409e+01
	521	0.0000e+00	0.0000e+00	0.0000e+00	-4.7044e+01	1.2966e+02	9.0254e+00
	45	0.0000e+00	0.0000e+00	0.0000e+00	-4.3748e+00	1.5701e+02	3.4310e+01
	506	0.0000e+00	0.0000e+00	0.0000e+00	-2.0448e+01	8.6299e+01	-1.8115e+00
172	35	0.0000e+00	0.0000e+00	0.0000e+00	6.8315e+01	-1.2807e+02	-1.4638e+02
	36	0.0000e+00	0.0000e+00	0.0000e+00	-2.1173e+02	-8.6384e+01	-6.4704e+01
	521	0.0000e+00	0.0000e+00	0.0000e+00	-5.0969e+01	1.4161e+02	3.1875e+01
	527	0.0000e+00	0.0000e+00	0.0000e+00	-8.9105e+01	-6.0546e+00	1.1267e+01
173	525	0.0000e+00	0.0000e+00	0.0000e+00	-1.1183e+01	1.6853e+01	-5.4726e+01
	527	0.0000e+00	0.0000e+00	0.0000e+00	1.7465e+01	1.5250e+02	-3.8006e+01
	506	0.0000e+00	0.0000e+00	0.0000e+00	5.0702e+00	6.1217e+01	3.6819e+00
	44	0.0000e+00	0.0000e+00	0.0000e+00	1.3772e+00	5.1806e+01	2.7633e+01
174	34	0.0000e+00	0.0000e+00	0.0000e+00	1.0297e+02	-3.0383e+01	-3.7855e+01
	35	0.0000e+00	0.0000e+00	0.0000e+00	5.6067e+01	-6.1171e+01	-9.1455e+01
	527	0.0000e+00	0.0000e+00	0.0000e+00	-1.5612e+01	2.9021e+01	-6.2442e+01
	525	0.0000e+00	0.0000e+00	0.0000e+00	4.5240e+01	-4.1118e+01	-5.4168e+01
175	526	0.0000e+00	0.0000e+00	0.0000e+00	-2.0351e+01	5.6818e+00	-5.4668e+00
	525	0.0000e+00	0.0000e+00	0.0000e+00	2.3831e+01	4.0138e+01	-4.5037e+01
	44	0.0000e+00	0.0000e+00	0.0000e+00	1.8594e+01	7.2120e+01	6.2317e-01
	42	0.0000e+00	0.0000e+00	0.0000e+00	-2.7637e+01	-3.4392e+01	2.3441e+01
176	522	0.0000e+00	0.0000e+00	0.0000e+00	-1.6886e+01	1.0237e+02	1.3888e+01
	588	0.0000e+00	0.0000e+00	0.0000e+00	-7.8906e+00	3.0063e+01	-5.4947e+01
	7	0.0000e+00	0.0000e+00	0.0000e+00	-7.5115e+01	2.2860e+02	-7.8335e+01
	47	0.0000e+00	0.0000e+00	0.0000e+00	-3.0736e+01	2.6346e+02	-2.8405e+01
177	38	0.0000e+00	0.0000e+00	0.0000e+00	1.3038e+01	-1.2179e+01	-7.5666e+00
	39	0.0000e+00	0.0000e+00	0.0000e+00	1.4695e+01	1.6514e+01	-1.6266e+01
	588	0.0000e+00	0.0000e+00	0.0000e+00	-9.9279e-01	-4.5252e+00	-1.9089e+01
	522	0.0000e+00	0.0000e+00	0.0000e+00	2.6499e+00	2.1789e+01	-5.6595e+00
178	518	0.0000e+00	0.0000e+00	0.0000e+00	2.8217e+01	8.8272e+01	-2.9732e+01
	587	0.0000e+00	0.0000e+00	0.0000e+00	-6.6237e+00	9.3276e+01	-2.1019e+01
	39	0.0000e+00	0.0000e+00	0.0000e+00	1.3686e+01	9.2107e+01	-1.1638e+01
	38	0.0000e+00	0.0000e+00	0.0000e+00	1.8075e+01	4.3976e+01	-1.6414e+01
179	520	0.0000e+00	0.0000e+00	0.0000e+00	6.8086e+00	1.4560e+02	3.6660e+01
	522	0.0000e+00	0.0000e+00	0.0000e+00	1.3442e+01	5.6658e+01	1.8733e+01
	47	0.0000e+00	0.0000e+00	0.0000e+00	9.1535e+00	2.4401e+02	9.4534e+00
	46	0.0000e+00	0.0000e+00	0.0000e+00	-2.8362e+01	1.8199e+02	3.3839e+01
180	37	0.0000e+00	0.0000e+00	0.0000e+00	5.2703e+01	-6.3252e+01	1.8210e+01
	38	0.0000e+00	0.0000e+00	0.0000e+00	6.5332e+01	-2.4794e+00	-1.0147e+01
	522	0.0000e+00	0.0000e+00	0.0000e+00	2.3937e+00	1.8234e+01	5.0048e+00
	520	0.0000e+00	0.0000e+00	0.0000e+00	3.4190e+01	2.7430e+01	4.4926e+01
181	517	0.0000e+00	0.0000e+00	0.0000e+00	8.6355e+01	2.8881e+01	-2.0348e+01
	518	0.0000e+00	0.0000e+00	0.0000e+00	3.4749e+01	6.0843e+01	-2.3068e+01
	38	0.0000e+00	0.0000e+00	0.0000e+00	6.6702e+01	4.1405e+01	3.0237e+00
	37	0.0000e+00	0.0000e+00	0.0000e+00	6.0181e+01	-5.1404e+01	9.6538e+00
182	521	0.0000e+00	0.0000e+00	0.0000e+00	-1.1974e+01	1.4703e+02	3.5653e+01
	520	0.0000e+00	0.0000e+00	0.0000e+00	1.5325e+01	1.1144e+02	4.7225e+01
	46	0.0000e+00	0.0000e+00	0.0000e+00	3.0543e+01	1.7668e+02	3.9500e+01
	45	0.0000e+00	0.0000e+00	0.0000e+00	-4.8901e+01	1.4879e+02	3.0664e+01
183	36	0.0000e+00	0.0000e+00	0.0000e+00	-2.6482e+02	-1.0734e+02	5.2981e+01
	37	0.0000e+00	0.0000e+00	0.0000e+00	8.3706e+01	-7.6684e+01	5.5730e+01
	520	0.0000e+00	0.0000e+00	0.0000e+00	-1.3629e+01	6.0843e+01	5.1269e+01
	521	0.0000e+00	0.0000e+00	0.0000e+00	-6.9465e+00	1.4493e+02	1.5631e+01

184	466	0.0000e+00	0.0000e+00	0.0000e+00	-5.8568e+01	-8.4113e+01	1.0265e+01
	517	0.0000e+00	0.0000e+00	0.0000e+00	9.9631e+01	-4.0632e+01	-6.6541e+00
	37	0.0000e+00	0.0000e+00	0.0000e+00	1.2791e+02	-3.8165e+01	5.3929e+01
	36	0.0000e+00	0.0000e+00	0.0000e+00	-2.9946e+02	-2.3688e+02	6.2795e+01
185	28	0.0000e+00	0.0000e+00	0.0000e+00	2.2156e+01	-1.7518e+02	-1.1976e+02
	586	0.0000e+00	0.0000e+00	0.0000e+00	5.5021e+01	3.6709e+01	-1.5293e+02
	587	0.0000e+00	0.0000e+00	0.0000e+00	-1.5481e+00	7.8406e+01	-4.1703e+01
	518	0.0000e+00	0.0000e+00	0.0000e+00	6.3636e-01	2.0821e+01	-9.0635e-01
186	29	0.0000e+00	0.0000e+00	0.0000e+00	4.0631e+01	-1.0693e+02	-5.8316e+01
	28	0.0000e+00	0.0000e+00	0.0000e+00	3.7947e+00	-2.0861e+02	-4.0828e+01
	518	0.0000e+00	0.0000e+00	0.0000e+00	3.6504e+01	5.2543e+01	-2.4875e+01
	517	0.0000e+00	0.0000e+00	0.0000e+00	6.4764e+01	-4.4964e+01	-6.2399e+01
187	26	0.0000e+00	0.0000e+00	0.0000e+00	-3.9498e+01	1.0523e+02	-1.0935e+01
	27	0.0000e+00	0.0000e+00	0.0000e+00	3.2144e+01	1.6693e+02	2.5275e+01
	28	0.0000e+00	0.0000e+00	0.0000e+00	1.7972e+01	-1.6270e+02	-1.0383e+00
	29	0.0000e+00	0.0000e+00	0.0000e+00	1.8741e+01	-1.4506e+01	-3.7249e+01
188	457	0.0000e+00	0.0000e+00	0.0000e+00	-6.9930e+01	-6.9685e+01	-7.6202e+00
	462	0.0000e+00	0.0000e+00	0.0000e+00	1.2414e+02	-1.3935e+02	2.2556e+01
	27	0.0000e+00	0.0000e+00	0.0000e+00	6.8455e+01	1.4151e+02	5.9857e+00
	26	0.0000e+00	0.0000e+00	0.0000e+00	-6.0680e+01	9.2039e+01	-8.8284e+00
189	516	0.0000e+00	0.0000e+00	0.0000e+00	5.4193e+01	-1.4175e+02	-1.4047e+02
	29	0.0000e+00	0.0000e+00	0.0000e+00	-5.9254e+00	-1.3531e+02	-6.2001e+01
	517	0.0000e+00	0.0000e+00	0.0000e+00	1.7265e+02	-9.9624e+01	2.5805e+01
	466	0.0000e+00	0.0000e+00	0.0000e+00	-5.3698e+01	-3.1635e+02	1.7363e+01
190	515	0.0000e+00	0.0000e+00	0.0000e+00	3.4144e+01	-9.4881e+01	-8.7537e+01
	26	0.0000e+00	0.0000e+00	0.0000e+00	5.0858e+01	9.0972e+01	-7.9653e+01
	29	0.0000e+00	0.0000e+00	0.0000e+00	8.1567e+00	-3.9609e+00	2.6583e+00
	516	0.0000e+00	0.0000e+00	0.0000e+00	1.8089e+02	-4.0273e+01	-2.3546e+01
191	454	0.0000e+00	0.0000e+00	0.0000e+00	-8.6381e+01	8.7272e+01	6.5605e+00
	457	0.0000e+00	0.0000e+00	0.0000e+00	5.8800e+01	2.2555e+01	7.2230e+01
	26	0.0000e+00	0.0000e+00	0.0000e+00	8.7439e+00	1.0365e+02	-1.1185e+01
	515	0.0000e+00	0.0000e+00	0.0000e+00	-3.6768e+01	2.0910e+02	-1.6558e+01
192	31	0.0000e+00	0.0000e+00	0.0000e+00	7.3037e+01	8.0173e+01	1.2955e+01
	463	0.0000e+00	0.0000e+00	0.0000e+00	6.5674e+01	-6.6813e+00	5.2480e+01
	10	0.0000e+00	0.0000e+00	0.0000e+00	2.3001e+02	1.2333e+02	6.5411e+01
	465	0.0000e+00	0.0000e+00	0.0000e+00	2.2340e+01	2.1312e+01	3.4618e+01
193	23	0.0000e+00	0.0000e+00	0.0000e+00	-5.7282e+01	-1.3146e+02	-6.2075e+01
	513	0.0000e+00	0.0000e+00	0.0000e+00	6.1835e+01	-7.3522e+00	-2.8437e+01
	463	0.0000e+00	0.0000e+00	0.0000e+00	5.2927e+01	7.9695e+01	2.8618e+01
	31	0.0000e+00	0.0000e+00	0.0000e+00	5.0916e+01	8.8977e+01	1.2303e+01
194	30	0.0000e+00	0.0000e+00	0.0000e+00	-3.4942e+01	5.1568e+01	-2.9868e+00
	31	0.0000e+00	0.0000e+00	0.0000e+00	5.1080e+01	7.9071e+01	-5.2430e+00
	465	0.0000e+00	0.0000e+00	0.0000e+00	2.6331e+00	-4.7657e+00	1.7734e+01
	512	0.0000e+00	0.0000e+00	0.0000e+00	-2.0477e+01	-1.1991e+01	2.1204e+01
195	22	0.0000e+00	0.0000e+00	0.0000e+00	-5.6114e+01	-2.3063e+02	-4.6782e+01
	23	0.0000e+00	0.0000e+00	0.0000e+00	6.6905e+01	-1.5704e+02	-4.7449e+01
	31	0.0000e+00	0.0000e+00	0.0000e+00	5.1414e+01	6.8079e+01	-1.5807e+01
	30	0.0000e+00	0.0000e+00	0.0000e+00	-3.9744e+01	3.0896e+01	-1.2297e+01
196	418	0.0000e+00	0.0000e+00	0.0000e+00	-1.5619e+02	-9.8542e+01	-6.4123e+01
	425	0.0000e+00	0.0000e+00	0.0000e+00	8.2653e+01	-1.2539e+00	-1.0399e+02
	23	0.0000e+00	0.0000e+00	0.0000e+00	5.0372e+01	-5.9305e+01	-6.2620e+01
	22	0.0000e+00	0.0000e+00	0.0000e+00	-7.1873e+01	-1.7774e+02	-4.0287e+01
197	171	0.0000e+00	0.0000e+00	0.0000e+00	-1.2933e+02	-1.7048e+01	-1.7234e+01
	30	0.0000e+00	0.0000e+00	0.0000e+00	1.3280e+01	3.5249e+01	6.0541e+00
	512	0.0000e+00	0.0000e+00	0.0000e+00	-3.6307e+01	-9.2078e+00	3.8072e+00
	511	0.0000e+00	0.0000e+00	0.0000e+00	-3.9435e+01	4.1865e+01	-1.9328e+01
198	415	0.0000e+00	0.0000e+00	0.0000e+00	-1.0689e+02	-3.9564e+01	-6.4968e+00

	418	0.0000e+00	0.0000e+00	0.0000e+00	8.1932e+01	6.0309e+00	-5.2976e+01
	22	0.0000e+00	0.0000e+00	0.0000e+00	4.5380e+01	-2.1002e+02	-4.6462e+01
	21	0.0000e+00	0.0000e+00	0.0000e+00	-9.8544e+01	-2.0316e+02	-1.1527e-01
199	398	0.0000e+00	0.0000e+00	0.0000e+00	4.3055e+01	-6.1174e+01	-9.8954e+01
	171	0.0000e+00	0.0000e+00	0.0000e+00	-1.3420e+02	-3.6360e+01	-6.3983e+01
	511	0.0000e+00	0.0000e+00	0.0000e+00	4.8785e+00	3.9107e+01	-3.4051e+01
	412	0.0000e+00	0.0000e+00	0.0000e+00	4.9704e+01	-4.2248e+01	-5.3425e+01
200	53	0.0000e+00	0.0000e+00	0.0000e+00	-7.7697e+01	-1.6360e+02	6.1192e+01
	415	0.0000e+00	0.0000e+00	0.0000e+00	-1.4555e+01	-1.3001e+01	4.6259e+01
	21	0.0000e+00	0.0000e+00	0.0000e+00	-1.3755e+02	-1.6118e+02	4.1872e+01
	413	0.0000e+00	0.0000e+00	0.0000e+00	4.6229e+01	3.9273e+01	4.0392e+01
201	510	0.0000e+00	0.0000e+00	0.0000e+00	7.5525e+00	4.6159e+01	-6.5600e+01
	491	0.0000e+00	0.0000e+00	0.0000e+00	-1.3179e+00	5.6372e+01	-6.7638e+01
	186	0.0000e+00	0.0000e+00	0.0000e+00	-8.3450e+01	3.1073e+01	-6.3780e+01
	400	0.0000e+00	0.0000e+00	0.0000e+00	8.9071e+01	2.8639e+01	-6.0508e+01
202	41	0.0000e+00	0.0000e+00	0.0000e+00	-1.6081e+01	3.6742e+01	-1.0928e+01
	43	0.0000e+00	0.0000e+00	0.0000e+00	2.1989e+01	3.7207e+01	-1.3962e+01
	491	0.0000e+00	0.0000e+00	0.0000e+00	-1.1007e+01	3.2880e+01	-4.8782e+01
	510	0.0000e+00	0.0000e+00	0.0000e+00	8.2249e+00	1.0581e+02	-4.7524e+01
203	127	0.0000e+00	0.0000e+00	0.0000e+00	1.2267e+01	5.5764e+00	1.0199e+01
	42	0.0000e+00	0.0000e+00	0.0000e+00	-1.3104e+01	-5.1530e+01	5.3139e+00
	43	0.0000e+00	0.0000e+00	0.0000e+00	2.0169e+01	6.8650e+01	-6.4351e+00
	41	0.0000e+00	0.0000e+00	0.0000e+00	-2.8277e+01	4.7650e+01	-2.2493e-01
204	509	0.0000e+00	0.0000e+00	0.0000e+00	7.7669e+01	8.8627e+01	-2.2718e+01
	510	0.0000e+00	0.0000e+00	0.0000e+00	1.7448e+01	9.6093e+01	-5.9025e+01
	400	0.0000e+00	0.0000e+00	0.0000e+00	-6.9019e+01	-1.0059e+01	-4.7893e+01
	399	0.0000e+00	0.0000e+00	0.0000e+00	9.8980e+01	-2.4261e+01	-1.2977e+01
205	40	0.0000e+00	0.0000e+00	0.0000e+00	1.5279e+02	1.1895e+02	-1.1738e+01
	41	0.0000e+00	0.0000e+00	0.0000e+00	-3.2589e+01	4.9013e+01	-2.3562e+01
	510	0.0000e+00	0.0000e+00	0.0000e+00	3.2373e+01	1.1198e+02	-3.2654e+01
	509	0.0000e+00	0.0000e+00	0.0000e+00	9.5948e+01	6.1094e+01	-1.7591e+01
206	126	0.0000e+00	0.0000e+00	0.0000e+00	1.0892e+02	-3.3354e+01	-2.8912e+00
	127	0.0000e+00	0.0000e+00	0.0000e+00	-5.8269e+00	-4.3541e+00	7.7455e+00
	41	0.0000e+00	0.0000e+00	0.0000e+00	-3.4495e+01	6.8790e+01	-7.2394e+00
	40	0.0000e+00	0.0000e+00	0.0000e+00	1.5074e+02	1.4627e+02	-1.7876e+01
207	91	0.0000e+00	0.0000e+00	0.0000e+00	-3.0626e+01	5.8110e+00	1.9396e+01
	509	0.0000e+00	0.0000e+00	0.0000e+00	8.6909e+01	9.5374e+01	-2.5592e+00
	399	0.0000e+00	0.0000e+00	0.0000e+00	-2.4835e+01	-5.2691e+01	2.4494e+01
	60	0.0000e+00	0.0000e+00	0.0000e+00	4.6696e+01	-3.6121e+01	4.7267e+01
208	168	0.0000e+00	0.0000e+00	0.0000e+00	-2.9402e+01	1.4582e+01	2.1518e+01
	40	0.0000e+00	0.0000e+00	0.0000e+00	1.9271e+02	1.0882e+02	-1.1278e+01
	509	0.0000e+00	0.0000e+00	0.0000e+00	9.7267e+01	5.1406e+01	-3.4597e+00
	91	0.0000e+00	0.0000e+00	0.0000e+00	-1.8408e+01	1.6233e+02	5.1288e+00
209	1	0.0000e+00	0.0000e+00	0.0000e+00	6.0224e+01	-1.7270e+02	-1.4998e+01
	126	0.0000e+00	0.0000e+00	0.0000e+00	1.4907e+02	-5.7549e+01	-4.9686e+01
	40	0.0000e+00	0.0000e+00	0.0000e+00	1.6956e+02	1.1866e+02	-2.8794e+01
	168	0.0000e+00	0.0000e+00	0.0000e+00	-5.7931e+01	1.7580e+02	1.2983e+01
210	508	0.0000e+00	0.0000e+00	0.0000e+00	2.6407e+00	-4.5830e+01	-6.9635e+01
	476	0.0000e+00	0.0000e+00	0.0000e+00	1.4320e+01	-5.0249e+01	-9.1564e+01
	187	0.0000e+00	0.0000e+00	0.0000e+00	-8.6793e+01	1.4755e+02	-8.6481e+01
	407	0.0000e+00	0.0000e+00	0.0000e+00	6.9430e+01	1.3144e+02	-6.5399e+01
211	507	0.0000e+00	0.0000e+00	0.0000e+00	3.0240e+01	-1.0509e+02	-3.1053e+00
	49	0.0000e+00	0.0000e+00	0.0000e+00	-3.8548e+01	-1.3965e+02	1.8393e+01
	476	0.0000e+00	0.0000e+00	0.0000e+00	1.4774e+01	-1.3863e+02	-2.6681e+01
	508	0.0000e+00	0.0000e+00	0.0000e+00	2.4626e+01	-8.8885e+01	-4.4842e+01
212	506	0.0000e+00	0.0000e+00	0.0000e+00	-1.8370e+01	3.8401e+01	3.2136e+00
	45	0.0000e+00	0.0000e+00	0.0000e+00	-2.1018e-01	9.8658e+01	1.4942e+00

	49	0.0000e+00	0.0000e+00	0.0000e+00	-2.9071e+01	-7.2365e+01	4.0507e+01
	507	0.0000e+00	0.0000e+00	0.0000e+00	2.1658e+01	-7.2144e+01	3.6912e+01
213	487	0.0000e+00	0.0000e+00	0.0000e+00	-9.6910e-01	-8.1177e+00	-7.1658e+01
	508	0.0000e+00	0.0000e+00	0.0000e+00	1.0908e+01	-1.6295e+01	-7.9159e+01
	407	0.0000e+00	0.0000e+00	0.0000e+00	-9.7983e+01	1.0527e+02	-7.4069e+01
	406	0.0000e+00	0.0000e+00	0.0000e+00	8.4519e+01	8.7412e+01	-6.3419e+01
214	48	0.0000e+00	0.0000e+00	0.0000e+00	9.1923e+00	-4.4057e+01	-4.5260e+00
	507	0.0000e+00	0.0000e+00	0.0000e+00	1.3308e+01	-6.0464e+01	-3.0138e+01
	508	0.0000e+00	0.0000e+00	0.0000e+00	-1.8248e+01	-5.2543e+01	-6.3299e+01
	487	0.0000e+00	0.0000e+00	0.0000e+00	-2.0699e+01	2.7091e+00	-4.6662e+01
215	44	0.0000e+00	0.0000e+00	0.0000e+00	2.2986e+01	3.4835e+00	9.6213e+00
	506	0.0000e+00	0.0000e+00	0.0000e+00	-3.1798e+00	1.2193e+01	3.0764e+01
	507	0.0000e+00	0.0000e+00	0.0000e+00	2.4838e+01	-7.8194e+01	-1.3455e+01
	48	0.0000e+00	0.0000e+00	0.0000e+00	2.3907e+01	-7.7538e+00	-1.6857e+01
216	491	0.0000e+00	0.0000e+00	0.0000e+00	-1.4774e+00	2.0585e+01	-6.5924e+01
	487	0.0000e+00	0.0000e+00	0.0000e+00	5.1445e+00	3.1771e+01	-7.0255e+01
	406	0.0000e+00	0.0000e+00	0.0000e+00	-9.0853e+01	6.4582e+01	-6.2874e+01
	186	0.0000e+00	0.0000e+00	0.0000e+00	8.2826e+01	5.7710e+01	-6.2812e+01
217	43	0.0000e+00	0.0000e+00	0.0000e+00	2.5103e+01	3.7113e+01	6.4042e+00
	48	0.0000e+00	0.0000e+00	0.0000e+00	-1.2245e+01	-4.9286e+01	-7.9083e-01
	487	0.0000e+00	0.0000e+00	0.0000e+00	7.8036e-02	-1.4898e+01	-5.8342e+01
	491	0.0000e+00	0.0000e+00	0.0000e+00	4.0083e-01	1.7936e+01	-3.9563e+01
218	42	0.0000e+00	0.0000e+00	0.0000e+00	-2.3165e+01	-5.1081e+01	8.8829e+00
	44	0.0000e+00	0.0000e+00	0.0000e+00	1.8493e+01	1.3106e+01	7.8976e+00
	48	0.0000e+00	0.0000e+00	0.0000e+00	-4.4789e+00	2.1749e-01	8.8054e+00
	43	0.0000e+00	0.0000e+00	0.0000e+00	-1.2980e+00	6.4084e+01	8.6014e+00
219	477	0.0000e+00	0.0000e+00	0.0000e+00	7.0525e+00	-1.6181e+02	-3.2182e+01
	485	0.0000e+00	0.0000e+00	0.0000e+00	3.8047e+01	-2.6059e+02	-5.1284e+01
	61	0.0000e+00	0.0000e+00	0.0000e+00	3.6309e+01	3.0517e+02	-7.4096e+01
	411	0.0000e+00	0.0000e+00	0.0000e+00	-2.9752e+01	2.5500e+02	-5.2123e+01
220	51	0.0000e+00	0.0000e+00	0.0000e+00	-1.1634e+02	-4.1622e+02	-1.0919e+01
	8	0.0000e+00	0.0000e+00	0.0000e+00	9.2048e+01	-3.5825e+02	-4.8815e+00
	485	0.0000e+00	0.0000e+00	0.0000e+00	3.1125e+00	-3.7058e+02	-4.6198e+01
	477	0.0000e+00	0.0000e+00	0.0000e+00	-8.8326e+00	-2.4093e+02	-3.7917e+01
221	47	0.0000e+00	0.0000e+00	0.0000e+00	-5.6226e+01	2.0247e+02	-3.9889e+01
	7	0.0000e+00	0.0000e+00	0.0000e+00	-6.4798e+01	3.3572e+02	4.3931e+01
	8	0.0000e+00	0.0000e+00	0.0000e+00	1.1234e+02	-3.9620e+02	6.6894e+01
	51	0.0000e+00	0.0000e+00	0.0000e+00	-1.1281e+02	-3.2691e+02	-2.1158e+01
222	473	0.0000e+00	0.0000e+00	0.0000e+00	-2.5274e+01	-1.1818e+02	-6.8179e+01
	477	0.0000e+00	0.0000e+00	0.0000e+00	-1.8560e+01	-1.4260e+02	-7.9118e+01
	411	0.0000e+00	0.0000e+00	0.0000e+00	-7.1999e+01	2.5181e+02	-7.6639e+01
	409	0.0000e+00	0.0000e+00	0.0000e+00	1.9268e+01	2.3063e+02	-7.5060e+01
223	50	0.0000e+00	0.0000e+00	0.0000e+00	6.4694e+01	-2.6549e+02	-1.1939e+01
	51	0.0000e+00	0.0000e+00	0.0000e+00	-1.1618e+02	-3.9651e+02	2.1019e+00
	477	0.0000e+00	0.0000e+00	0.0000e+00	-5.4828e+01	-2.0922e+02	-3.8737e+01
	473	0.0000e+00	0.0000e+00	0.0000e+00	-1.4558e+01	-2.4317e+02	-5.7683e+01
224	46	0.0000e+00	0.0000e+00	0.0000e+00	-2.1565e+01	1.1123e+02	2.7460e+01
	47	0.0000e+00	0.0000e+00	0.0000e+00	-2.9775e+01	2.0919e+02	4.1351e+01
	51	0.0000e+00	0.0000e+00	0.0000e+00	-8.0370e+01	-3.3625e+02	2.5476e+01
	50	0.0000e+00	0.0000e+00	0.0000e+00	4.5935e+01	-1.8611e+02	1.1584e+01
225	476	0.0000e+00	0.0000e+00	0.0000e+00	-2.8063e+00	-8.2627e+01	-7.7286e+01
	473	0.0000e+00	0.0000e+00	0.0000e+00	1.9553e+01	-9.2235e+01	-9.6691e+01
	409	0.0000e+00	0.0000e+00	0.0000e+00	-7.8141e+01	1.8204e+02	-1.0136e+02
	187	0.0000e+00	0.0000e+00	0.0000e+00	5.7008e+01	1.7666e+02	-7.2809e+01
226	49	0.0000e+00	0.0000e+00	0.0000e+00	9.5485e+00	-1.5558e+02	-2.3110e+00
	50	0.0000e+00	0.0000e+00	0.0000e+00	-2.3929e+01	-2.3936e+02	1.6917e+01
	473	0.0000e+00	0.0000e+00	0.0000e+00	-1.1770e+01	-2.1338e+02	-5.3542e+01

	476	0.0000e+00	0.0000e+00	0.0000e+00	1.8363e+01	-1.3310e+02	-7.7527e+01
227	45	0.0000e+00	0.0000e+00	0.0000e+00	-4.2662e+01	6.7715e+01	2.4035e+01
	46	0.0000e+00	0.0000e+00	0.0000e+00	2.5052e+01	1.1980e+02	4.6075e+01
	50	0.0000e+00	0.0000e+00	0.0000e+00	1.2734e+01	-1.7285e+02	3.5098e+01
	49	0.0000e+00	0.0000e+00	0.0000e+00	-3.5221e+00	-8.4687e+01	1.3058e+01
228	58	0.0000e+00	0.0000e+00	0.0000e+00	-1.3209e+01	1.7525e+01	-2.7669e+01
	1	0.0000e+00	0.0000e+00	0.0000e+00	-1.5337e+01	-6.9340e+01	-2.8163e+01
	464	0.0000e+00	0.0000e+00	0.0000e+00	-4.8029e+01	1.7384e+01	-6.7880e+01
	421	0.0000e+00	0.0000e+00	0.0000e+00	2.1463e+01	-3.7281e+01	-6.7066e+01

SFORZI "#5 tamponamenti esterni" (Fase 1)

Generato da analisi lunedì 11 aprile 2022 alle ore 15:46:51.

Elem	Nodo	N	Vy	Vz	Mx	My	Mz
15	583	-1.1369e-13	-1.1186e+01	-4.4853e-14	6.3203e+02	1.8474e-12	-7.4267e+02
	437	1.1369e-13	1.1186e+01	4.4853e-14	-6.3203e+02	9.6634e-13	-9.5532e+02
16	430	-2.2737e-13	-1.0402e+01	1.4211e-14	-5.2795e+02	1.8190e-12	-8.2354e+02
	583	2.2737e-13	1.0402e+01	-1.4211e-14	5.2795e+02	-2.8422e-12	-1.0675e+03
17	437	1.4140e-12	-3.2078e+02	-2.8422e-14	-5.1774e+02	3.6380e-12	-2.3515e+04
	133	-1.4140e-12	3.2078e+02	2.8422e-14	5.1774e+02	3.6380e-12	-1.4509e+04
18	428	1.2506e-12	3.2133e+02	-2.8422e-14	2.4548e+03	0.0000e+00	1.0816e+04
	131	-1.2506e-12	-3.2133e+02	2.8422e-14	-2.4548e+03	0.0000e+00	2.7324e+04
19	427	1.3642e-12	3.9129e+02	-2.8422e-14	1.9562e+03	-1.8190e-12	1.2619e+04
	130	-1.3642e-12	-3.9129e+02	2.8422e-14	-1.9562e+03	0.0000e+00	3.3852e+04
20	430	1.4211e-12	2.0581e+00	2.8422e-14	1.5650e+03	0.0000e+00	-9.0053e+03
	132	-1.4211e-12	-2.0581e+00	-2.8422e-14	-1.5650e+03	0.0000e+00	9.2504e+03
21	446	7.9581e-13	-4.0625e+02	5.6843e-14	2.7294e+03	1.8190e-12	-3.7206e+04
	134	-7.9581e-13	4.0625e+02	-5.6843e-14	-2.7294e+03	-3.6380e-12	-1.1454e+04
22	455	1.1369e-12	1.6520e+02	1.4211e-13	-1.4783e+03	0.0000e+00	3.8694e+03
	135	-1.1369e-12	-1.6520e+02	-1.4211e-13	1.4783e+03	-3.6380e-12	1.5950e+04
23	460	4.5475e-13	7.5674e+02	2.8422e-14	2.7185e+03	7.2760e-12	4.3966e+04
	136	-4.5475e-13	-7.5674e+02	-2.8422e-14	-2.7185e+03	3.6380e-12	4.5768e+04
229	460	0.0000e+00	6.0095e+00	8.8818e-16	-8.0045e+03	-9.0949e-13	1.3493e+03
	25	0.0000e+00	-6.0095e+00	-8.8818e-16	8.0045e+03	-6.8212e-13	5.4481e+02
230	455	5.6843e-14	1.0586e+01	-4.8850e-15	1.8929e+02	-2.2737e-13	1.6243e+03
	460	-5.6843e-14	-1.0586e+01	4.8850e-15	-1.8929e+02	-7.9581e-13	1.5896e+03
231	446	0.0000e+00	4.1280e+00	3.5527e-15	-3.0115e+02	2.2737e-13	8.2043e+02
	455	0.0000e+00	-4.1280e+00	-3.5527e-15	3.0115e+02	6.2528e-13	6.4167e+02
232	437	0.0000e+00	-2.1310e-01	5.3291e-15	3.1326e+02	-8.5265e-13	8.3564e+01
	446	0.0000e+00	2.1310e-01	-5.3291e-15	-3.1326e+02	5.8265e-13	-1.4826e+02
233	428	0.0000e+00	-5.2817e+00	3.1086e-15	2.9246e+02	-7.3896e-13	-7.9979e+02
	430	0.0000e+00	5.2817e+00	-3.1086e-15	-2.9246e+02	-5.6843e-14	-9.1248e+02
234	427	0.0000e+00	-8.0701e+00	4.8850e-15	-3.8935e+01	7.9581e-13	-1.1622e+03
	428	0.0000e+00	8.0701e+00	-4.8850e-15	3.8935e+01	4.5475e-13	-1.2878e+03
235	490	0.0000e+00	-1.2505e+01	-6.2172e-15	-1.1715e+03	-5.6843e-13	-1.8586e+03
	427	0.0000e+00	1.2505e+01	6.2172e-15	1.1715e+03	-1.1369e-13	-1.9315e+03
236	410	-1.7053e-13	4.3573e-01	-4.4409e-15	4.5319e+02	-3.4106e-13	4.6230e+01
	471	1.7053e-13	-4.3573e-01	4.4409e-15	-4.5319e+02	0.0000e+00	9.1107e+01
237	408	0.0000e+00	4.7687e-01	3.1086e-15	-1.3051e+02	1.1369e-13	8.6230e+01
	410	0.0000e+00	-4.7687e-01	-3.1086e-15	1.3051e+02	-4.5475e-13	5.8542e+01
238	405	0.0000e+00	1.9533e-01	8.8818e-16	-1.4031e+02	3.9790e-13	4.0886e+01
	408	0.0000e+00	-1.9533e-01	-8.8818e-16	1.4031e+02	7.9581e-13	2.8297e+01
239	404	-1.1369e-13	-2.0691e-01	6.7724e-15	-1.2921e+02	2.8422e-14	-2.4344e+01

	405	1.1369e-13	2.0691e-01	-6.7724e-15	1.2921e+02	-3.6238e-13	-3.8472e+01
240	403	1.1369e-13	-6.1205e-01	-1.7764e-15	-8.9504e+01	-2.7001e-13	-7.3209e+01
	404	-1.1369e-13	6.1205e-01	1.7764e-15	8.9504e+01	1.7053e-13	-1.4357e+02
241	402	-5.6843e-14	-2.1458e+00	-3.5527e-15	-3.8720e+02	-5.6843e-13	-3.0272e+02
	403	5.6843e-14	2.1458e+00	3.5527e-15	3.8720e+02	9.0949e-13	-3.4871e+02
242	401	-1.1369e-13	-3.6609e+00	4.8850e-15	1.4689e+02	-1.1369e-13	-4.9249e+02
	402	1.1369e-13	3.6609e+00	-4.8850e-15	-1.4689e+02	-4.5475e-13	-6.1891e+02
243	470	-5.6843e-14	-5.7626e+00	-8.8818e-16	7.2623e+02	3.4106e-13	-8.9363e+02
	401	5.6843e-14	5.7626e+00	8.8818e-16	-7.2623e+02	0.0000e+00	-8.5584e+02
244	158	-2.2737e-13	-8.7363e+01	3.5527e-15	-3.4274e+00	-6.8212e-13	-2.4095e+04
	405	2.2737e-13	8.7363e+01	-3.5527e-15	3.4274e+00	-5.6843e-13	-2.2100e+04
245	152	4.5475e-13	-8.1464e+01	-4.4409e-16	-1.0316e+03	-2.2737e-13	-2.3202e+04
	403	-4.5475e-13	8.1464e+01	4.4409e-16	1.0316e+03	5.6843e-13	-1.9886e+04
246	160	2.8422e-13	-1.4866e+02	0.0000e+00	-1.2605e+03	-2.2737e-13	-3.9253e+04
	410	-2.8422e-13	1.4866e+02	0.0000e+00	1.2605e+03	-1.1369e-13	-3.9315e+04
247	159	-3.4106e-13	-1.0181e+02	4.4409e-16	-6.3177e+02	2.2737e-13	-2.7375e+04
	408	3.4106e-13	1.0181e+02	-4.4409e-16	6.3177e+02	-1.1369e-13	-2.6469e+04
248	157	-3.9124e-13	-7.9606e+01	8.8818e-16	-2.4988e+02	-6.8212e-13	-2.2175e+04
	404	3.9124e-13	7.9606e+01	-8.8818e-16	2.4988e+02	-9.0949e-13	-1.9898e+04
249	150	-5.6843e-14	-1.2109e+02	-2.2204e-15	-6.6815e+02	2.2737e-13	-3.8358e+04
	402	5.6843e-14	1.2109e+02	2.2204e-15	6.6815e+02	5.6843e-13	-2.5671e+04
250	149	3.4106e-13	-8.9815e+01	1.7764e-15	-9.3678e+02	4.5475e-13	-2.9105e+04
	401	-3.4106e-13	8.9815e+01	-1.7764e-15	9.3678e+02	1.1369e-13	-1.8367e+04
332	172	5.6843e-14	2.4873e+02	-7.1054e-15	4.2300e+03	-1.3642e-12	3.8039e+04
	489	-5.6843e-14	-2.4873e+02	7.1054e-15	-4.2300e+03	-3.1832e-12	3.9405e+04
333	139	-5.6843e-14	-5.9829e+01	1.0658e-14	-2.4864e+03	1.1369e-12	-9.2784e+03
	172	5.6843e-14	5.9829e+01	-1.0658e-14	2.4864e+03	1.3642e-12	-9.4482e+03
334	179	-5.6843e-14	1.1147e+01	-3.5527e-14	4.1283e+03	1.8190e-12	1.9724e+02
	57	5.6843e-14	-1.1147e+01	3.5527e-14	-4.1283e+03	-5.0022e-12	3.2735e+03
335	259	-5.6843e-14	4.7784e+01	-7.1054e-15	1.0619e+03	-4.0927e-12	1.1110e+04
	179	5.6843e-14	-4.7784e+01	7.1054e-15	-1.0619e+03	5.0022e-12	3.8463e+03
336	2	1.1369e-13	1.1122e+03	1.7764e-15	-1.0585e+03	-2.2737e-13	4.2173e+04
	3	-1.1369e-13	1.1005e+03	-1.7764e-15	1.0585e+03	0.0000e+00	-4.0865e+04
337	54	4.5475e-13	1.1092e+03	1.7764e-15	1.1324e+03	1.1369e-13	4.1938e+04
	4	-4.5475e-13	1.1034e+03	-1.7764e-15	-1.1324e+03	2.2737e-13	-4.1286e+04
338	56	2.9559e-12	1.1090e+03	-5.3291e-15	2.3695e+03	6.8212e-13	4.2080e+04
	55	-2.9559e-12	1.1036e+03	5.3291e-15	-2.3695e+03	2.2737e-13	-4.1475e+04
339	59	-6.8212e-13	1.1057e+03	-3.5527e-15	-2.1576e+03	2.2737e-13	4.1294e+04
	57	6.8212e-13	1.1069e+03	3.5527e-15	2.1576e+03	2.2737e-13	-4.1431e+04
340	71	-1.1141e-11	-6.9250e+01	1.2506e-11	5.6192e+02	4.0018e-11	-1.4635e+03
	68	1.1141e-11	6.9250e+01	-1.2506e-11	-5.6192e+02	4.9113e-11	4.8415e+02
341	66	9.0949e-13	-2.3444e+02	1.3642e-12	3.9406e+02	-1.4552e-11	-2.2004e+03
	69	-9.0949e-13	2.3444e+02	-1.3642e-12	-3.9406e+02	-1.4552e-11	-1.1151e+03
342	72	2.8422e-13	-4.2737e-01	-2.2204e-16	-8.8736e+02	0.0000e+00	6.3251e+01
	73	-2.8422e-13	4.2737e-01	2.2204e-16	8.8736e+02	1.1369e-13	-2.2651e+02
343	180	-2.7285e-12	-1.0902e+01	2.2737e-12	-1.6418e+03	-1.8190e-11	1.6890e+03
	72	2.7285e-12	1.0902e+01	-2.2737e-12	1.6418e+03	-7.4579e-11	-1.9202e+03
344	63	0.0000e+00	-1.0902e+01	2.7534e-14	3.3386e+01	-5.1159e-12	5.3461e+02
	180	0.0000e+00	1.0902e+01	-2.7534e-14	-3.3386e+01	-7.1623e-12	-2.3552e+03
345	62	0.0000e+00	-4.3187e-01	-1.0533e-14	-2.0819e+01	1.7906e-12	-5.9727e+01

	63	0.0000e+00	4.3187e-01	1.0533e-14	2.0819e+01	1.0942e-12	-5.6877e+01
346	65	-1.1369e-12	-3.9803e+02	-1.8190e-12	7.1253e+03	2.3647e-11	-9.3288e+00
	62	1.1369e-12	3.9803e+02	1.8190e-12	-7.1253e+03	2.0009e-11	-8.4341e+03
347	64	5.8265e-13	1.3613e-01	4.4409e-16	4.8329e+02	1.7053e-13	5.2321e+01
	65	-5.8265e-13	-1.3613e-01	-4.4409e-16	-4.8329e+02	1.4211e-13	-3.2074e-01
348	249	-2.1316e-14	1.0876e+03	1.0658e-14	-5.4402e+03	1.5916e-12	1.7881e+05
	248	2.1316e-14	-1.0876e+03	-1.0658e-14	5.4402e+03	0.0000e+00	1.6378e+05
349	233	5.6843e-14	9.3185e+01	1.7764e-15	9.6686e+01	0.0000e+00	3.5665e+04
	249	-5.6843e-14	-9.3185e+01	-1.7764e-15	-9.6686e+01	9.0949e-13	-6.0324e+03
350	262	1.0658e-13	-8.8755e+01	-8.8818e-16	3.5529e+03	-1.2506e-12	-1.0744e+04
	233	-1.0658e-13	8.8755e+01	8.8818e-16	-3.5529e+03	-4.5475e-13	-1.7480e+04
351	263	2.8422e-14	3.2738e+01	1.3545e-14	-2.0433e+03	-3.6948e-13	4.1464e+03
	262	-2.8422e-14	-3.2738e+01	-1.3545e-14	2.0433e+03	1.5490e-12	6.2643e+03
352	264	-1.4211e-14	-1.0816e+01	1.3323e-15	-8.6258e+02	7.3896e-13	2.0151e+01
	263	1.4211e-14	1.0816e+01	-1.3323e-15	8.6258e+02	1.4211e-12	-3.5354e+03
353	265	-7.1054e-14	-7.1915e+01	-1.3323e-14	5.3539e+03	-1.1369e-12	-1.0796e+04
	264	7.1054e-14	7.1915e+01	1.3323e-14	-5.3539e+03	2.2737e-13	-1.2109e+04
354	258	-1.2790e-13	-4.2828e+01	7.1054e-15	-6.2831e+03	-4.5475e-13	6.7762e+03
	265	1.2790e-13	4.2828e+01	-7.1054e-15	6.2831e+03	-4.5475e-13	-2.0181e+04
355	243	-2.1849e-13	-7.1136e+02	-5.3291e-15	1.1861e+02	1.1369e-12	-9.3530e+04
	258	2.1849e-13	7.1136e+02	5.3291e-15	-1.1861e+02	-9.0949e-13	-1.2782e+05
356	260	0.0000e+00	1.6176e+03	-2.1316e-14	-2.6760e+03	7.2760e-12	8.6763e+04
	259	0.0000e+00	1.5355e+03	2.1316e-14	2.6760e+03	4.7748e-12	-7.3692e+04
357	65	2.2737e-13	1.2708e+03	1.8119e-13	-4.1754e+03	-1.3642e-12	6.2601e+04
	260	-2.2737e-13	4.0890e+02	-1.8119e-13	4.1754e+03	1.3642e-12	1.0513e+04
358	257	2.8422e-13	1.7390e+03	-3.5527e-15	-4.3839e+02	-5.0022e-12	1.0760e+05
	3	-2.8422e-13	1.4325e+03	3.5527e-15	4.3839e+02	2.7285e-12	-5.8508e+04
359	261	-1.7053e-13	1.6080e+03	1.7764e-14	-8.4539e+02	-3.6380e-12	8.9224e+04
	257	1.7053e-13	1.5402e+03	-1.7764e-14	8.4539e+02	5.4570e-12	-7.8446e+04
360	72	-1.1369e-13	1.6836e+03	-2.6645e-14	7.3670e+02	1.3642e-12	9.8167e+04
	261	1.1369e-13	1.5373e+03	2.6645e-14	-7.3670e+02	1.5916e-12	-7.4357e+04
369	241	0.0000e+00	1.8088e+03	0.0000e+00	1.6135e+03	-6.8212e-12	1.1867e+05
	4	0.0000e+00	1.3627e+03	0.0000e+00	-1.6135e+03	3.1832e-12	-4.7219e+04
370	245	-1.1369e-13	1.6122e+03	-7.1054e-15	8.1970e+02	-3.6380e-12	9.0382e+04
	241	1.1369e-13	1.5360e+03	7.1054e-15	-8.1970e+02	0.0000e+00	-7.8278e+04
371	240	-5.6843e-14	1.5798e+03	-1.7764e-14	1.9914e+03	6.1391e-12	8.4514e+04
	245	5.6843e-14	1.5684e+03	1.7764e-14	-1.9914e+03	-2.5011e-12	-8.2700e+04
372	246	-5.6843e-14	1.5579e+03	-1.8652e-14	-1.9993e+03	-5.9117e-12	8.1006e+04
	240	5.6843e-14	1.5903e+03	1.8652e-14	1.9993e+03	2.3306e-12	-8.6164e+04
373	242	1.1369e-13	1.6115e+03	-1.5099e-14	-1.6850e+02	-6.2528e-12	8.8348e+04
	246	-1.1369e-13	1.6060e+03	1.5099e-14	1.6850e+02	-1.4779e-12	-8.7462e+04
374	214	5.6843e-14	1.2828e+03	1.7764e-15	-2.2002e+03	-5.9117e-12	3.0347e+04
	242	-5.6843e-14	1.8704e+03	-1.7764e-15	2.2002e+03	-6.3665e-12	-1.2392e+05
375	213	2.2737e-13	3.8730e+01	-1.7764e-14	4.1965e+03	0.0000e+00	9.9675e+03
	214	-2.2737e-13	-3.8730e+01	1.7764e-14	-4.1965e+03	4.0927e-12	2.1549e+03
376	55	1.1369e-13	1.1561e+01	-1.4211e-14	-3.9720e+03	6.3665e-12	4.3735e+03
	213	-1.1369e-13	-1.1561e+01	1.4211e-14	3.9720e+03	9.0949e-13	-7.7383e+02
385	179	5.6843e-14	-1.2771e+01	0.0000e+00	-4.3922e+02	-2.2737e-13	-1.3498e+03
	258	-5.6843e-14	1.2771e+01	0.0000e+00	4.3922e+02	-1.7053e-13	-5.2782e+03
386	253	-6.8212e-13	-4.9407e+01	1.4211e-14	-4.2837e+03	1.8190e-12	-7.8391e+03

	179	6.8212e-13	4.9407e+01	-1.4211e-14	4.2837e+03	9.0949e-13	-1.7212e+03
387	250	4.5475e-13	-1.1454e+03	0.0000e+00	5.7027e+03	-9.0949e-13	-6.4239e+04
	72	-4.5475e-13	1.1454e+03	0.0000e+00	-5.7027e+03	-4.5475e-13	-1.4037e+05
388	70	5.6843e-14	1.7156e+02	9.9476e-14	-4.4777e+02	1.2278e-11	1.1491e+04
	73	-5.6843e-14	-1.7156e+02	-9.9476e-14	4.4777e+02	8.1855e-12	1.3877e+04
389	67	8.5265e-14	-1.3672e+01	-1.8474e-13	6.9349e+01	1.1823e-11	6.9542e+02
	70	-8.5265e-14	1.3672e+01	1.8474e-13	-6.9349e+01	-8.5265e-12	-3.0606e+03
390	64	0.0000e+00	-1.2340e+02	-1.0658e-14	1.5417e+02	5.1159e-13	-1.0074e+04
	67	0.0000e+00	1.2340e+02	1.0658e-14	-1.5417e+02	-1.2051e-11	-8.1729e+03
391	67	6.2172e-14	5.1251e+01	1.9540e-14	1.0377e+03	3.4106e-13	6.7474e+03
	263	-6.2172e-14	-5.1251e+01	-1.9540e-14	-1.0377e+03	0.0000e+00	1.8751e+03
392	73	3.0127e-12	-1.5912e+02	3.5527e-15	-7.8809e+02	-3.4106e-13	-7.9804e+03
	262	-3.0127e-12	1.5912e+02	-3.5527e-15	7.8809e+02	-6.8212e-13	-1.6231e+04
393	257	3.4106e-13	-2.5056e+01	-6.6613e-16	3.3141e+03	0.0000e+00	-5.8860e+03
	249	-3.4106e-13	2.5056e+01	6.6613e-16	-3.3141e+03	1.1369e-13	-7.1181e+03
394	256	-9.0949e-13	-2.7897e+01	0.0000e+00	-1.7176e+03	0.0000e+00	-1.8868e+03
	257	9.0949e-13	2.7897e+01	0.0000e+00	1.7176e+03	1.8190e-12	-3.5112e+03
395	261	3.4106e-13	-2.9498e+01	-1.1102e-15	4.6443e+01	-1.1369e-13	-6.7181e+03
	233	-3.4106e-13	2.9498e+01	1.1102e-15	-4.6443e+01	-5.6843e-14	-8.5914e+03
396	252	-1.1369e-13	-5.4525e+01	7.1054e-15	-7.3577e+02	0.0000e+00	-5.0870e+03
	261	1.1369e-13	5.4525e+01	-7.1054e-15	7.3577e+02	9.0949e-13	-5.4636e+03
397	260	7.1054e-13	-2.1541e+01	1.3323e-15	2.2532e+03	1.1369e-13	-3.6774e+03
	264	-7.1054e-13	2.1541e+01	-1.3323e-15	-2.2532e+03	-3.4106e-13	-7.5026e+03
398	254	1.0232e-12	-2.4486e+02	2.8422e-14	-4.9991e+03	-3.6380e-12	-2.3238e+04
	260	-1.0232e-12	2.4486e+02	-2.8422e-14	4.9991e+03	-3.6380e-12	-2.4143e+04
399	243	-1.0232e-12	2.6859e+03	-1.1102e-16	6.9614e+03	-2.8422e-14	2.3776e+05
	55	1.0232e-12	2.7294e+03	1.1102e-16	-6.9614e+03	1.4211e-14	-2.4966e+05
400	57	-7.9581e-13	2.5669e+03	2.2204e-16	-7.7215e+03	4.2633e-14	2.3334e+05
	243	7.9581e-13	2.3237e+03	-2.2204e-16	7.7215e+03	2.8422e-14	-1.7326e+05
401	248	7.9581e-13	2.7710e+03	5.5511e-17	-8.4286e+03	0.0000e+00	2.5677e+05
	4	-7.9581e-13	2.5456e+03	-5.5511e-17	8.4286e+03	-1.4211e-14	-1.9625e+05
402	3	7.9581e-13	2.5509e+03	4.4409e-16	9.3454e+03	1.4211e-14	2.3428e+05
	248	-7.9581e-13	2.4389e+03	-4.4409e-16	-9.3454e+03	0.0000e+00	-2.0606e+05
403	241	4.5475e-13	6.2602e+01	7.1054e-15	2.8441e+03	1.8190e-12	6.0759e+03
	236	-4.5475e-13	-6.2602e+01	-7.1054e-15	-2.8441e+03	1.8190e-12	6.0376e+03
404	249	-2.2737e-13	5.5092e+01	-4.4409e-16	-2.7969e+03	-2.8422e-13	1.5200e+04
	241	2.2737e-13	-5.5092e+01	4.4409e-16	2.7969e+03	-4.2633e-13	1.5211e+04
405	245	-1.1369e-12	5.5758e+01	0.0000e+00	3.3806e+02	-9.0949e-13	4.1449e+03
	244	1.1369e-12	-5.5758e+01	0.0000e+00	-3.3806e+02	9.0949e-13	6.6442e+03
406	233	-6.2528e-13	6.8644e+01	4.4409e-16	-2.5121e+02	-3.4106e-13	1.9313e+04
	245	6.2528e-13	-6.8644e+01	-4.4409e-16	2.5121e+02	-4.5475e-13	1.8579e+04
407	240	5.1159e-13	2.0339e+01	7.1054e-15	-9.2896e+01	-1.8190e-12	-1.6883e+03
	238	-5.1159e-13	-2.0339e+01	-7.1054e-15	9.2896e+01	-1.8190e-12	5.6239e+03
408	262	-3.1264e-13	1.8395e+02	2.7756e-16	2.5653e+02	1.4211e-13	5.1952e+04
	240	3.1264e-13	-1.8395e+02	-2.7756e-16	-2.5653e+02	1.1369e-13	4.9587e+04
409	246	1.9806e-13	5.5089e+01	7.1054e-15	-3.7056e+02	9.0949e-13	3.8957e+03
	239	-1.9806e-13	-5.5089e+01	-7.1054e-15	3.7056e+02	0.0000e+00	6.7640e+03
410	263	3.1086e-15	6.3760e+01	-1.3323e-15	-1.8046e+02	7.9581e-13	1.7499e+04
	246	-3.1086e-15	-6.3760e+01	1.3323e-15	1.8046e+02	5.6843e-13	1.7696e+04
411	242	1.5916e-12	7.7133e+01	-7.1054e-15	1.3651e+03	9.0949e-13	5.3314e+03

	247	-1.5916e-12	-7.7133e+01	7.1054e-15	-1.3651e+03	1.8190e-12	9.6158e+03
412	264	5.9686e-13	6.9988e+01	-4.4409e-16	-7.2828e+02	1.1369e-13	1.9403e+04
	242	-5.9686e-13	-6.9988e+01	4.4409e-16	7.2828e+02	1.1369e-13	1.9230e+04
413	213	-1.3642e-12	2.1338e+01	-2.8422e-14	-4.1210e+03	0.0000e+00	-3.9019e+03
	235	1.3642e-12	-2.1338e+01	2.8422e-14	4.1210e+03	0.0000e+00	8.0308e+03
414	258	6.8212e-13	4.8507e+01	4.4409e-16	5.2649e+03	7.9581e-13	1.4673e+04
	213	-6.8212e-13	-4.8507e+01	-4.4409e-16	-5.2649e+03	9.6634e-13	1.2103e+04
415	214	-4.5475e-13	-7.5858e+02	-7.1054e-15	-2.4135e+04	9.0949e-13	-1.5242e+05
	234	4.5475e-13	1.7164e+03	7.1054e-15	2.4135e+04	2.2737e-13	-8.7031e+04
416	265	5.6843e-14	4.8549e+02	-5.5511e-17	8.3671e+03	0.0000e+00	1.2196e+05
	214	-5.6843e-14	-4.8549e+02	5.5511e-17	-8.3671e+03	0.0000e+00	1.4603e+05
417	259	0.0000e+00	-1.5195e+02	0.0000e+00	-2.6012e+03	-2.8422e-14	-1.6348e+04
	265	0.0000e+00	1.5195e+02	0.0000e+00	2.6012e+03	-2.8422e-14	-6.2512e+04
418	255	2.8422e-12	1.0531e+02	3.5527e-15	8.9079e+03	-9.0949e-13	-3.2099e+04
	259	-2.8422e-12	8.5392e+02	-3.5527e-15	-8.9079e+03	-4.5475e-13	-4.0436e+04
419	177	0.0000e+00	2.9739e+00	2.1316e-14	4.7026e+03	8.8676e-12	-7.6808e+02
	81	0.0000e+00	-2.9739e+00	-2.1316e-14	-4.7026e+03	1.3415e-11	1.6940e+03
420	301	0.0000e+00	4.3452e+01	1.3323e-14	6.8188e+02	-1.0914e-11	9.6650e+03
	177	0.0000e+00	-4.3452e+01	-1.3323e-14	-6.8188e+02	-1.3301e-11	3.9355e+03
421	165	-9.0949e-13	1.1057e+03	0.0000e+00	-1.3388e+03	-1.1369e-13	4.1838e+04
	164	9.0949e-13	1.1069e+03	0.0000e+00	1.3388e+03	0.0000e+00	-4.1972e+04
422	125	1.7053e-13	1.1066e+03	0.0000e+00	1.4393e+03	1.1369e-13	4.1872e+04
	124	-1.7053e-13	1.1060e+03	0.0000e+00	-1.4393e+03	5.6843e-14	-4.1809e+04
423	75	-5.6843e-14	1.1049e+03	-4.4409e-16	2.7568e+03	5.6843e-14	4.1806e+04
	74	5.6843e-14	1.1078e+03	4.4409e-16	-2.7568e+03	1.7053e-13	-4.2126e+04
424	80	1.1369e-12	1.1064e+03	-1.3323e-15	-2.3635e+03	5.6843e-14	4.1829e+04
	81	-1.1369e-12	1.1063e+03	1.3323e-15	2.3635e+03	1.1369e-13	-4.1815e+04
425	112	-1.3074e-11	-6.5553e+01	2.2737e-12	5.5171e+02	-9.5497e-12	-1.3046e+03
	105	1.3074e-11	6.5553e+01	-2.2737e-12	-5.5171e+02	-4.6384e-11	3.7757e+02
426	99	-1.9327e-11	-3.4106e+02	7.2760e-12	6.1675e+02	-2.8194e-11	-2.9842e+03
	106	1.9327e-11	3.4106e+02	-7.2760e-12	-6.1675e+02	-4.3201e-11	-1.8391e+03
427	117	-2.2737e-13	-1.4439e-01	-5.5511e-17	-7.6156e+02	0.0000e+00	1.2294e+02
	118	2.2737e-13	1.4439e-01	5.5511e-17	7.6156e+02	1.4211e-14	-1.7809e+02
428	178	5.4570e-12	1.0382e+01	-1.9327e-12	-1.2357e+02	5.7298e-11	6.1287e+02
	117	-5.4570e-12	-1.0382e+01	1.9327e-12	1.2357e+02	7.2760e-12	-3.9264e+02
429	93	0.0000e+00	1.0382e+01	-7.5051e-14	3.4599e+02	3.4106e-13	2.2545e+03
	178	0.0000e+00	-1.0382e+01	7.5051e-14	-3.4599e+02	-1.4779e-12	-5.2074e+02
430	94	1.4211e-14	-3.1103e-01	-1.6535e-14	-9.0706e+01	3.0376e-13	2.3408e+01
	93	-1.4211e-14	3.1103e-01	1.6535e-14	9.0706e+01	-1.6982e-12	-1.0738e+02
431	86	3.2969e-12	-9.6617e+02	2.7853e-12	7.4867e+03	-2.2737e-11	-4.8150e+03
	94	-3.2969e-12	9.6617e+02	-2.7853e-12	-7.4867e+03	3.1832e-11	-1.5681e+04
432	87	8.4555e-13	-1.9080e-01	0.0000e+00	5.9120e+02	0.0000e+00	-2.3300e+01
	86	-8.4555e-13	1.9080e-01	0.0000e+00	-5.9120e+02	2.8422e-14	-4.9585e+01
433	298	-1.7764e-15	1.2882e+03	3.9968e-15	-5.7124e+03	1.5916e-12	2.0837e+05
	309	1.7764e-15	-1.2882e+03	-3.9968e-15	5.7124e+03	2.2169e-12	1.9742e+05
434	325	-3.5527e-15	1.3647e+02	-2.3093e-14	1.9392e+02	6.2528e-13	4.2912e+04
	298	3.5527e-15	-1.3647e+02	2.3093e-14	-1.9392e+02	3.5811e-12	4.8571e+02
435	304	-5.3291e-15	-1.0102e+02	-1.9318e-14	4.2997e+03	-2.2169e-12	-1.2234e+04
	325	5.3291e-15	1.0102e+02	1.9318e-14	-4.2997e+03	3.3253e-12	-1.9890e+04
436	299	1.0658e-14	3.8011e+01	-1.9762e-14	-2.2355e+03	-2.0890e-12	5.2176e+03

	304	-1.0658e-14	-3.8011e+01	1.9762e-14	2.2355e+03	1.2932e-12	6.8698e+03
437	332	3.5527e-15	-2.0920e+01	-1.2101e-14	-1.4437e+03	-1.3216e-12	-1.0944e+03
	299	-3.5527e-15	2.0920e+01	1.2101e-14	1.4437e+03	8.9528e-13	-5.7045e+03
438	333	-3.5527e-15	-1.1562e+02	5.3291e-15	4.3307e+03	-3.0127e-12	-1.7837e+04
	332	3.5527e-15	1.1562e+02	-5.3291e-15	-4.3307e+03	-3.5527e-12	-1.8987e+04
439	306	-1.0658e-14	-3.5896e+01	2.6201e-14	-5.4015e+03	2.6716e-12	8.3578e+03
	333	1.0658e-14	3.5896e+01	-2.6201e-14	5.4015e+03	-3.3538e-12	-1.9593e+04
440	316	1.1080e-13	-9.0214e+02	2.6645e-15	1.6879e+03	-2.3874e-12	-1.2319e+05
	306	-1.1080e-13	9.0214e+02	-2.6645e-15	-1.6879e+03	7.9581e-13	-1.5752e+05
441	305	0.0000e+00	1.6267e+03	1.8652e-14	-2.3024e+03	2.1600e-12	8.8760e+04
	301	0.0000e+00	1.5264e+03	-1.8652e-14	2.3024e+03	-2.2737e-12	-7.2781e+04
442	86	-1.1369e-13	1.3871e+03	2.2027e-13	-4.1271e+03	-2.5921e-11	7.2003e+04
	305	1.1369e-13	2.9260e+02	-2.2027e-13	4.1271e+03	1.2960e-11	2.0844e+04
443	311	8.5265e-14	1.7264e+03	-1.7764e-15	-1.0647e+03	5.6843e-12	1.0551e+05
	164	-8.5265e-14	1.4451e+03	1.7764e-15	1.0647e+03	-2.0464e-12	-6.0461e+04
444	312	0.0000e+00	1.6100e+03	-4.3521e-14	-7.1416e+02	2.2737e-13	8.9360e+04
	311	0.0000e+00	1.5382e+03	4.3521e-14	7.1416e+02	-4.8885e-12	-7.7939e+04
445	117	2.8422e-14	1.7080e+03	-4.9294e-14	6.6476e+02	-4.2064e-12	1.0240e+05
	312	-2.8422e-14	1.5129e+03	4.9294e-14	-6.6476e+02	7.3896e-13	-7.0667e+04
454	318	-2.8422e-14	1.7971e+03	0.0000e+00	2.2487e+03	3.6380e-12	1.1686e+05
	124	2.8422e-14	1.3744e+03	0.0000e+00	-2.2487e+03	1.8190e-12	-4.9158e+04
455	322	0.0000e+00	1.6136e+03	-3.4639e-14	8.4392e+02	5.4570e-12	9.0424e+04
	318	0.0000e+00	1.5346e+03	3.4639e-14	-8.4392e+02	-1.7053e-12	-7.7858e+04
456	327	0.0000e+00	1.5790e+03	2.5313e-14	2.1080e+03	-4.6612e-12	8.4452e+04
	322	0.0000e+00	1.5692e+03	-2.5313e-14	-2.1080e+03	6.2528e-12	-8.2887e+04
457	315	-2.8422e-14	1.5522e+03	2.6645e-14	-2.0883e+03	5.2296e-12	8.0070e+04
	327	2.8422e-14	1.5960e+03	-2.6645e-14	2.0883e+03	1.0232e-12	-8.7031e+04
458	328	-2.8422e-14	1.5995e+03	-2.1538e-14	-1.2433e+02	5.7128e-12	8.6067e+04
	315	2.8422e-14	1.6180e+03	2.1538e-14	1.2433e+02	6.2528e-13	-8.9079e+04
459	287	-2.8422e-14	1.2872e+03	2.6645e-15	-9.2508e+02	5.6843e-13	3.1417e+04
	328	2.8422e-14	1.8659e+03	-2.6645e-15	9.2508e+02	-3.1832e-12	-1.2358e+05
460	270	0.0000e+00	3.3795e+01	2.3981e-14	3.7012e+03	-2.5011e-12	9.2922e+03
	287	0.0000e+00	-3.3795e+01	-2.3981e-14	-3.7012e+03	-6.8212e-12	1.2856e+03
461	74	0.0000e+00	1.0901e+01	3.3751e-14	-5.2221e+03	1.2278e-11	3.9965e+03
	270	0.0000e+00	-1.0901e+01	-3.3751e-14	5.2221e+03	4.5475e-13	-6.0229e+02
470	177	-1.6200e-12	-1.4144e+01	0.0000e+00	-8.6093e+02	-1.4211e-14	-1.7320e+03
	306	1.6200e-12	1.4144e+01	0.0000e+00	8.6093e+02	0.0000e+00	-5.6086e+03
471	313	-1.8758e-12	-5.4622e+01	0.0000e+00	-3.8027e+03	2.2737e-13	-8.3231e+03
	177	1.8758e-12	5.4622e+01	0.0000e+00	3.8027e+03	0.0000e+00	-2.2462e+03
472	303	-1.5064e-12	-1.1725e+03	3.5527e-15	5.1888e+03	-1.1369e-13	-6.8112e+04
	117	1.5064e-12	1.1725e+03	-3.5527e-15	-5.1888e+03	-5.6843e-13	-1.4134e+05
473	111	-5.6843e-14	1.7705e+02	1.6520e-13	-3.7165e+02	4.6612e-12	1.1770e+04
	118	5.6843e-14	-1.7705e+02	-1.6520e-13	3.7165e+02	2.7285e-11	1.4410e+04
474	100	0.0000e+00	-1.7728e+01	1.7497e-13	7.6477e+01	1.0630e-11	3.9086e+02
	111	0.0000e+00	1.7728e+01	-1.7497e-13	-7.6477e+01	-1.5447e-11	-3.4578e+03
475	87	3.4106e-13	-1.2427e+02	-3.9213e-13	1.3424e+02	-2.0066e-11	-1.0088e+04
	100	-3.4106e-13	1.2427e+02	3.9213e-13	-1.3424e+02	-2.0407e-11	-8.2874e+03
476	100	1.8829e-12	8.1936e+01	-9.7700e-15	9.1198e+02	-9.0949e-13	9.8178e+03
	299	-1.8829e-12	-8.1936e+01	9.7700e-15	-9.1198e+02	-1.1369e-13	3.9671e+03
477	118	-2.8422e-14	-1.1670e+02	-8.8818e-15	-7.3324e+02	-2.8422e-14	-3.9825e+03

	304	2.8422e-14	1.1670e+02	8.8818e-15	7.3324e+02	-3.4106e-13	-1.3774e+04
478	311	1.1369e-12	-2.5605e+01	-2.2204e-16	3.6094e+03	0.0000e+00	-5.9693e+03
	298	-1.1369e-12	2.5605e+01	2.2204e-16	-3.6094e+03	2.8422e-14	-7.3196e+03
479	307	2.6148e-12	-1.5572e+01	0.0000e+00	-1.4372e+03	-2.2737e-13	-1.2659e+03
	311	-2.6148e-12	1.5572e+01	0.0000e+00	1.4372e+03	4.5475e-13	-1.7472e+03
480	312	1.8048e-12	-3.3678e+01	-1.1102e-16	8.2744e+01	-1.4211e-14	-7.7778e+03
	325	-1.8048e-12	3.3678e+01	1.1102e-16	-8.2744e+01	2.8422e-14	-9.7013e+03
481	300	3.9790e-13	-2.8096e+01	0.0000e+00	-8.8107e+02	0.0000e+00	-2.9273e+03
	312	-3.9790e-13	2.8096e+01	0.0000e+00	8.8107e+02	0.0000e+00	-2.5092e+03
482	305	-1.6342e-12	-2.3751e+01	2.2204e-16	2.0296e+03	5.6843e-14	-4.2325e+03
	332	1.6342e-12	2.3751e+01	-2.2204e-16	-2.0296e+03	0.0000e+00	-8.0941e+03
483	302	3.2969e-12	-2.6502e+02	7.1054e-15	-4.6985e+03	-4.5475e-13	-2.5281e+04
	305	-3.2969e-12	2.6502e+02	-7.1054e-15	4.6985e+03	-9.0949e-13	-2.6001e+04
484	316	-4.2633e-13	2.6489e+03	0.0000e+00	7.5810e+03	0.0000e+00	2.2521e+05
	74	4.2633e-13	2.7664e+03	0.0000e+00	-7.5810e+03	0.0000e+00	-2.5734e+05
485	81	-1.1369e-12	2.5912e+03	1.1102e-16	-8.0347e+03	2.8422e-14	2.4012e+05
	316	1.1369e-12	2.2994e+03	-1.1102e-16	8.0347e+03	1.4211e-14	-1.6803e+05
486	309	-5.1159e-13	2.7577e+03	0.0000e+00	-8.2473e+03	-7.1054e-15	2.5164e+05
	124	5.1159e-13	2.5589e+03	0.0000e+00	8.2473e+03	3.5527e-15	-1.9826e+05
487	164	1.7053e-12	2.6029e+03	0.0000e+00	9.3848e+03	1.4211e-14	2.4657e+05
	309	-1.7053e-12	2.3870e+03	0.0000e+00	-9.3848e+03	0.0000e+00	-1.9217e+05
488	318	1.7621e-12	7.6143e+01	0.0000e+00	2.1530e+03	6.8212e-13	6.9657e+03
	317	-1.7621e-12	-7.6143e+01	0.0000e+00	-2.1530e+03	6.8212e-13	7.7679e+03
489	298	8.8107e-13	6.1130e+01	0.0000e+00	-3.0563e+03	-5.6843e-14	1.6923e+04
	318	-8.8107e-13	-6.1130e+01	0.0000e+00	3.0563e+03	-2.8422e-14	1.6820e+04
490	322	-2.2737e-13	6.1761e+01	0.0000e+00	3.3024e+02	0.0000e+00	4.3998e+03
	324	2.2737e-13	-6.1761e+01	0.0000e+00	-3.3024e+02	0.0000e+00	7.5509e+03
491	325	-1.1937e-12	7.8125e+01	1.1102e-16	-2.7186e+02	-5.6843e-14	2.1978e+04
	322	1.1937e-12	-7.8125e+01	-1.1102e-16	2.7186e+02	-7.1054e-14	2.1147e+04
492	327	3.5527e-12	2.8470e+01	0.0000e+00	-1.7187e+02	2.2737e-13	-1.1556e+03
	331	-3.5527e-12	-2.8470e+01	0.0000e+00	1.7187e+02	0.0000e+00	6.6646e+03
493	304	-1.0303e-12	2.1137e+02	0.0000e+00	2.5470e+02	1.4211e-14	5.8961e+04
	327	1.0303e-12	-2.1137e+02	0.0000e+00	-2.5470e+02	1.0658e-14	5.7715e+04
494	315	3.3307e-14	5.5063e+01	3.5527e-15	-3.0677e+02	-4.5475e-13	3.7155e+03
	319	-3.3307e-14	-5.5063e+01	-3.5527e-15	3.0677e+02	-4.5475e-13	6.9391e+03
495	299	1.2657e-13	7.2293e+01	0.0000e+00	-9.4990e+01	1.1369e-13	1.9747e+04
	315	-1.2657e-13	-7.2293e+01	0.0000e+00	9.4990e+01	1.1369e-13	2.0159e+04
496	328	3.3538e-12	4.2975e+01	7.1054e-15	4.4831e+02	1.5916e-12	2.1114e+03
	310	-3.3538e-12	-4.2975e+01	-7.1054e-15	-4.4831e+02	0.0000e+00	6.2166e+03
497	332	1.3927e-12	8.0211e+01	1.1102e-16	-1.3735e+02	5.6843e-14	2.2321e+04
	328	-1.3927e-12	-8.0211e+01	-1.1102e-16	1.3735e+02	-1.4211e-14	2.1956e+04
498	270	-2.1600e-12	2.6612e+01	-7.1054e-15	-3.5449e+03	9.0949e-13	-2.9000e+03
	323	2.1600e-12	-2.6612e+01	7.1054e-15	3.5449e+03	0.0000e+00	8.0494e+03
499	306	4.2633e-13	4.9505e+01	1.1102e-16	5.3973e+03	1.1369e-13	1.5481e+04
	270	-4.2633e-13	-4.9505e+01	-1.1102e-16	-5.3973e+03	9.9476e-14	1.1846e+04
500	287	1.3642e-12	-7.6394e+02	0.0000e+00	-2.4164e+04	0.0000e+00	-1.4702e+05
	329	-1.3642e-12	1.7218e+03	0.0000e+00	2.4164e+04	1.1369e-13	-9.3469e+04
501	333	-7.9581e-13	4.8948e+02	-2.7756e-17	8.5389e+03	-2.1316e-14	1.2780e+05
	287	7.9581e-13	-4.8948e+02	2.7756e-17	-8.5389e+03	-1.4211e-14	1.4240e+05
502	301	8.8107e-13	-1.6118e+02	2.7756e-17	-2.0463e+03	-7.1054e-15	-2.1076e+04

	333	-8.8107e-13	1.6118e+02	-2.7756e-17	2.0463e+03	1.4211e-14	-6.2578e+04
503	308	3.0127e-12	1.1511e+02	-5.3291e-15	7.1462e+03	-1.0232e-12	-3.1772e+04
	301	-3.0127e-12	8.4412e+02	5.3291e-15	-7.1462e+03	-1.1369e-12	-3.8864e+04
504	173	-5.6843e-14	-4.9944e-01	1.4211e-14	5.2246e+03	-1.1369e-11	-1.2572e+03
	83	5.6843e-14	4.9944e-01	-1.4211e-14	-5.2246e+03	-1.3642e-12	1.1017e+03
505	350	0.0000e+00	4.8745e+01	4.2633e-14	6.5673e+02	1.8190e-12	1.0973e+04
	173	0.0000e+00	-4.8745e+01	-4.2633e-14	-6.5673e+02	-1.1369e-12	4.2841e+03
506	174	0.0000e+00	-1.2030e+01	6.3949e-14	3.8334e+03	-1.0914e-11	-2.2983e+03
	85	0.0000e+00	1.2030e+01	-6.3949e-14	-3.8334e+03	-1.2733e-11	-1.4475e+03
507	453	3.4106e-13	1.4571e+01	-7.8160e-14	-2.3361e+03	-9.0949e-13	2.2967e+03
	174	-3.4106e-13	-1.4571e+01	7.8160e-14	2.3361e+03	1.8190e-12	2.2641e+03
508	122	-1.1369e-13	1.1092e+02	0.0000e+00	1.1786e+03	-9.0949e-12	1.8810e+04
	461	1.1369e-13	-1.1092e+02	0.0000e+00	-1.1786e+03	-1.3642e-11	1.7277e+04
509	475	4.5475e-13	-1.5002e+02	1.1102e-15	1.1620e+03	1.7053e-13	-3.8594e+04
	471	-4.5475e-13	1.5002e+02	-1.1102e-15	-1.1620e+03	-2.2737e-13	-3.8441e+04
510	484	8.5265e-14	1.8190e+01	4.2633e-14	1.3031e+03	2.7285e-12	1.6867e+03
	482	-8.5265e-14	-1.8190e+01	-4.2633e-14	-1.3031e+03	-9.0949e-13	4.8602e+02
511	486	1.7053e-13	7.9668e-01	-6.0715e-17	1.1170e+02	3.1974e-14	-5.9957e+01
	484	-1.7053e-13	-7.9668e-01	6.0715e-17	-1.1170e+02	7.1054e-15	5.0769e+02
512	161	1.9895e-13	-7.4621e+01	-8.5265e-14	-9.9874e+03	9.0949e-13	-6.3736e+02
	486	-1.9895e-13	7.4621e+01	8.5265e-14	9.9874e+03	6.3665e-12	-8.2052e+03
513	483	3.4106e-13	-3.8030e+00	4.4409e-16	-1.7905e+03	-1.1369e-13	-6.9149e+02
	470	-3.4106e-13	3.8030e+00	-4.4409e-16	1.7905e+03	-2.8422e-14	-1.2613e+03
514	490	-2.2737e-13	3.7218e+02	2.8422e-14	7.2127e+03	0.0000e+00	2.0510e+04
	488	2.2737e-13	-3.7218e+02	-2.8422e-14	-7.2127e+03	1.8190e-12	1.8010e+04
515	479	2.2737e-13	1.0964e+03	0.0000e+00	2.3337e+03	-2.2737e-13	3.8484e+04
	478	-2.2737e-13	1.1163e+03	0.0000e+00	-2.3337e+03	-2.2737e-13	-4.0707e+04
516	475	-9.0949e-13	1.1021e+03	0.0000e+00	-3.0058e+03	1.1369e-13	4.0102e+04
	474	9.0949e-13	1.1105e+03	0.0000e+00	3.0058e+03	-3.4106e-13	-4.1044e+04
517	483	5.6843e-13	1.0932e+03	-8.8818e-16	6.7559e+02	-3.4106e-13	3.9692e+04
	482	-5.6843e-13	1.1195e+03	8.8818e-16	-6.7559e+02	1.1369e-13	-4.2631e+04
518	488	5.6843e-13	1.1152e+03	-3.5527e-15	-2.2716e+03	4.5475e-13	3.9517e+04
	489	-5.6843e-13	1.0975e+03	3.5527e-15	2.2716e+03	2.2737e-13	-3.7543e+04
519	497	2.7285e-12	-1.9374e+02	2.0464e-12	-1.1044e+02	-3.6380e-12	-1.4825e+03
	498	-2.7285e-12	1.9374e+02	-2.0464e-12	1.1044e+02	-3.6380e-12	-1.2575e+03
520	495	-5.0022e-12	4.5930e+02	4.3201e-12	-2.7621e+03	1.2733e-11	4.1477e+03
	499	5.0022e-12	-4.5930e+02	-4.3201e-12	2.7621e+03	3.6380e-11	2.3478e+03
521	503	-4.5475e-13	1.8103e-01	-1.3323e-15	-2.3620e+02	0.0000e+00	-4.0639e+02
	504	4.5475e-13	-1.8103e-01	1.3323e-15	2.3620e+02	0.0000e+00	4.7554e+02
522	502	-4.3201e-12	2.0477e+03	3.4106e-12	-1.9350e+02	2.0009e-11	1.7726e+04
	503	4.3201e-12	-2.0477e+03	-3.4106e-12	1.9350e+02	5.8208e-11	2.5712e+04
523	501	5.6843e-14	-2.5156e+01	2.1316e-14	9.3845e+02	-1.6485e-12	-6.6765e+02
	502	-5.6843e-14	2.5156e+01	-2.1316e-14	-9.3845e+02	1.1937e-12	-3.5335e+03
524	500	-5.6843e-14	-5.9269e-01	1.9706e-15	-1.5794e+02	-1.1724e-13	-4.3596e+02
	501	5.6843e-14	5.9269e-01	-1.9706e-15	1.5794e+02	4.4054e-13	2.7593e+02
525	492	-3.6380e-12	1.6111e+03	4.5475e-13	1.7020e+03	-1.0914e-11	2.8965e+04
	500	3.6380e-12	-1.6111e+03	-4.5475e-13	-1.7020e+03	0.0000e+00	5.2115e+03
526	493	-1.8474e-13	8.1093e-01	-4.4409e-16	2.0672e+02	-2.2737e-13	1.3336e+02
	492	1.8474e-13	-8.1093e-01	4.4409e-16	-2.0672e+02	-5.6843e-14	1.7641e+02
527	489	4.5475e-13	-1.9266e+01	1.1102e-16	1.9865e+03	5.6843e-14	-9.6166e+02

	161	-4.5475e-13	1.9266e+01	-1.1102e-16	-1.9865e+03	-1.7053e-13	-8.5558e+03
528	167	1.4779e-12	1.1093e+03	0.0000e+00	-1.0886e+03	3.4106e-13	4.2359e+04
	166	-1.4779e-12	1.1033e+03	0.0000e+00	1.0886e+03	2.2737e-13	-4.1686e+04
529	129	-2.7285e-12	1.1081e+03	-2.6645e-15	1.1664e+03	-5.6843e-13	4.2087e+04
	128	2.7285e-12	1.1046e+03	2.6645e-15	-1.1664e+03	-4.5475e-13	-4.1697e+04
530	77	-3.1832e-12	1.1069e+03	0.0000e+00	2.8818e+03	0.0000e+00	4.2085e+04
	76	3.1832e-12	1.1058e+03	0.0000e+00	-2.8818e+03	-3.4106e-13	-4.1965e+04
531	82	-2.2737e-12	1.1068e+03	-2.6645e-15	-2.4514e+03	-6.8212e-13	4.2014e+04
	83	2.2737e-12	1.1058e+03	2.6645e-15	2.4514e+03	-5.6843e-13	-4.1907e+04
532	114	2.0918e-11	-1.1686e+02	1.1823e-11	6.2180e+02	5.0932e-11	-1.8370e+03
	107	-2.0918e-11	1.1686e+02	-1.1823e-11	-6.2180e+02	6.1846e-11	1.8438e+02
533	101	9.5497e-12	-2.5327e+02	9.7771e-12	-4.0226e+00	2.1828e-11	-2.6511e+03
	108	-9.5497e-12	2.5327e+02	-9.7771e-12	4.0226e+00	8.7311e-11	-9.3074e+02
534	119	1.7053e-12	-6.4208e-01	3.3307e-16	-9.2273e+02	-2.8422e-14	3.3752e+01
	121	-1.7053e-12	6.4208e-01	-3.3307e-16	9.2273e+02	-1.1369e-13	-2.7903e+02
535	176	1.5916e-12	5.9116e+00	1.1823e-11	-6.4656e+02	4.0018e-11	1.0335e+03
	119	-1.5916e-12	-5.9116e+00	-1.1823e-11	6.4656e+02	-1.0914e-11	-9.0809e+02
536	95	-2.2737e-13	5.9116e+00	7.1054e-15	2.7361e+02	7.2760e-12	2.1752e+03
	176	2.2737e-13	-5.9116e+00	-7.1054e-15	-2.7361e+02	-7.6170e-12	-1.1880e+03
537	96	1.1369e-13	-4.0236e-01	2.4841e-14	-8.9298e+01	-7.0770e-12	3.1432e+01
	95	-1.1369e-13	4.0236e-01	-2.4841e-14	8.9298e+01	6.3167e-12	-1.4007e+02
538	88	-1.9099e-11	-1.1045e+03	3.0695e-12	7.7099e+03	2.7285e-11	-6.9248e+03
	96	1.9099e-11	1.1045e+03	-3.0695e-12	-7.7099e+03	3.6380e-12	-1.6505e+04
539	89	-6.4659e-13	-1.2329e-02	-1.1102e-16	6.4283e+02	1.7053e-13	8.7745e+00
	88	6.4659e-13	1.2329e-02	1.1102e-16	-6.4283e+02	0.0000e+00	-1.3484e+01
540	170	6.8212e-13	5.5197e+02	-3.5527e-15	1.2480e+03	9.0949e-13	2.1323e+04
	169	-6.8212e-13	5.5435e+02	3.5527e-15	-1.2480e+03	9.0949e-13	-2.1589e+04
541	163	2.2737e-12	5.5263e+02	0.0000e+00	-1.2287e+03	-9.0949e-13	2.1187e+04
	162	-2.2737e-12	5.5370e+02	0.0000e+00	1.2287e+03	-1.8190e-12	-2.1307e+04
542	79	-2.7285e-12	5.5284e+02	0.0000e+00	3.2520e+03	-1.3642e-12	2.1411e+04
	78	2.7285e-12	5.5348e+02	0.0000e+00	-3.2520e+03	-1.3642e-12	-2.1482e+04
543	84	-3.4106e-12	5.5256e+02	3.5527e-15	-2.5333e+03	0.0000e+00	2.1356e+04
	85	3.4106e-12	5.5377e+02	-3.5527e-15	2.5333e+03	0.0000e+00	-2.1492e+04
544	116	-4.2087e+00	-5.4994e+01	-1.1879e+01	3.6960e+02	4.0026e+02	-7.6758e+02
	109	4.2087e+00	5.4994e+01	1.1879e+01	-3.6960e+02	-2.3226e+02	-1.0160e+01
545	103	1.4735e+00	-8.5663e+01	-6.0865e+00	1.3780e+02	6.8802e+02	-1.0076e+03
	110	-1.4735e+00	8.5663e+01	6.0865e+00	-1.3780e+02	-6.0194e+02	-2.0382e+02
546	122	5.1159e-13	3.1474e-02	1.3323e-15	5.1852e+00	0.0000e+00	1.9653e+02
	123	-5.1159e-13	-3.1474e-02	-1.3323e-15	-5.1852e+00	-5.6843e-13	-1.8451e+02
547	175	1.0004e-11	4.6549e+01	1.1369e-11	2.6277e+03	7.2760e-12	-1.9584e+03
	122	-1.0004e-11	-4.6549e+01	-1.1369e-11	-2.6277e+03	5.8208e-11	2.9458e+03
548	97	0.0000e+00	4.6549e+01	2.1316e-14	4.7327e+02	9.7771e-12	4.5307e+03
	175	0.0000e+00	-4.6549e+01	-2.1316e-14	-4.7327e+02	7.2760e-12	3.2429e+03
549	98	2.2737e-13	-5.9795e-01	5.0571e-14	-6.0625e+01	4.1496e-12	3.6493e+01
	97	-2.2737e-13	5.9795e-01	-5.0571e-14	6.0625e+01	-6.6933e-12	-1.9794e+02
550	90	-3.6380e-12	-6.8472e+02	9.5497e-12	9.9189e+03	4.7294e-11	-4.6304e+02
	98	3.6380e-12	6.8472e+02	-9.5497e-12	-9.9189e+03	-4.0018e-11	-1.4062e+04
551	92	-1.5348e-12	-9.0256e-02	3.1086e-15	6.9732e+02	-1.1369e-13	-2.2505e+01
	90	1.5348e-12	9.0256e-02	-3.1086e-15	-6.9732e+02	5.6843e-14	-1.1973e+01
552	429	7.1054e-15	9.6029e+02	5.3291e-14	-5.7084e+03	6.3665e-12	1.6282e+05

	442	-7.1054e-15	-9.6029e+02	-5.3291e-14	5.7084e+03	1.8190e-12	1.3967e+05
553	435	7.8870e-13	2.5050e+01	-4.9738e-14	-2.4355e+02	-6.3665e-12	3.4242e+04
	429	-7.8870e-13	-2.5050e+01	4.9738e-14	2.4355e+02	-2.7285e-12	-2.6276e+04
554	458	-2.7356e-13	-1.0980e+02	0.0000e+00	5.1889e+03	-9.0949e-13	-1.2903e+04
	435	2.7356e-13	1.0980e+02	0.0000e+00	-5.1889e+03	-4.7748e-12	-2.2015e+04
555	467	-9.5923e-14	4.6028e+01	4.4409e-14	-2.7040e+03	-5.2296e-12	6.2707e+03
	458	9.5923e-14	-4.6028e+01	-4.4409e-14	2.7040e+03	2.1600e-12	8.3663e+03
556	449	5.2580e-13	-1.0222e+01	1.4211e-14	-3.7377e+03	5.5422e-12	2.6937e+03
	467	-5.2580e-13	1.0222e+01	-1.4211e-14	3.7377e+03	-4.7748e-12	-6.0159e+03
557	447	5.6843e-14	-1.3244e+02	-3.5527e-15	-8.9298e+03	-1.8190e-12	-2.0645e+04
	449	-5.6843e-14	1.3244e+02	3.5527e-15	8.9298e+03	3.1832e-12	-2.1537e+04
558	445	-3.6948e-13	1.1717e+02	-3.5527e-14	6.4655e+03	2.2737e-12	3.6836e+04
	447	3.6948e-13	-1.1717e+02	3.5527e-14	-6.4655e+03	-4.0927e-12	-1.6052e+02
559	456	2.1316e-14	-7.1563e+02	2.4869e-14	4.6234e+03	5.4570e-12	-8.8737e+04
	445	-2.1316e-14	7.1563e+02	-2.4869e-14	-4.6234e+03	-1.8190e-12	-1.3394e+05
560	452	1.1369e-13	4.1722e+01	-4.9738e-14	2.1166e+03	1.1823e-11	6.0459e+03
	453	-1.1369e-13	-4.1722e+01	4.9738e-14	-2.1166e+03	-1.0459e-11	7.2424e+03
561	90	-6.8212e-13	5.8483e+02	8.8818e-13	-4.6873e+03	-5.9117e-11	5.0680e+04
	452	6.8212e-13	-5.8483e+02	-8.8818e-13	4.6873e+03	-1.5007e-10	4.8544e+04
562	424	1.1369e-13	8.2075e+01	-9.2371e-14	-1.8173e+03	9.0949e-12	1.3480e+04
	169	-1.1369e-13	-8.2075e+01	9.2371e-14	1.8173e+03	-9.0949e-13	1.2813e+04
563	461	-1.1369e-13	1.7510e+01	-2.8422e-14	-2.1249e+02	5.4570e-12	2.7707e+03
	424	1.1369e-13	-1.7510e+01	2.8422e-14	2.1249e+02	1.4552e-11	2.7976e+03
572	420	1.1369e-13	1.4426e+02	7.1054e-14	3.5979e+03	7.2760e-12	2.3466e+04
	162	-1.1369e-13	-1.4426e+02	-7.1054e-14	-3.5979e+03	1.2733e-11	2.2748e+04
573	436	-1.1369e-13	2.3541e+01	4.9738e-14	7.4038e+02	9.0949e-12	5.0031e+03
	420	1.1369e-13	-2.3541e+01	-4.9738e-14	-7.4038e+02	0.0000e+00	2.4829e+03
574	431	2.2737e-13	3.1766e+00	-7.1054e-14	1.8475e+03	-1.0914e-11	9.4899e+02
	436	-2.2737e-13	-3.1766e+00	7.1054e-14	-1.8475e+03	-1.5007e-11	6.1152e+01
575	440	-3.4106e-13	-2.4046e+01	-1.0658e-13	-1.7870e+03	6.8212e-13	-3.6402e+03
	431	3.4106e-13	2.4046e+01	1.0658e-13	1.7870e+03	2.8422e-12	-4.0063e+03
576	422	3.4106e-13	-2.7297e+01	7.0166e-14	3.7968e+02	1.2051e-11	-5.0571e+03
	440	-3.4106e-13	2.7297e+01	-7.0166e-14	-3.7968e+02	7.5033e-12	-3.8145e+03
577	416	-4.5475e-13	3.0697e+01	8.5265e-14	7.8993e+03	-9.0949e-12	5.4699e+03
	422	4.5475e-13	-3.0697e+01	-8.5265e-14	-7.8993e+03	-6.3665e-12	4.3070e+03
578	426	0.0000e+00	-1.9108e+01	-2.1316e-14	-3.8056e+03	-4.5475e-12	-2.6382e+03
	416	0.0000e+00	1.9108e+01	2.1316e-14	3.8056e+03	9.0949e-12	-3.3425e+03
579	78	0.0000e+00	1.2857e+01	7.1054e-15	-8.6490e+03	9.0949e-13	2.3848e+03
	426	0.0000e+00	-1.2857e+01	-7.1054e-15	8.6490e+03	-1.0914e-11	1.6183e+03
588	174	-1.8190e-12	-1.5870e+01	-2.6645e-15	-2.3977e+03	-6.8212e-13	-3.2978e+03
	445	1.8190e-12	1.5870e+01	2.6645e-15	2.3977e+03	0.0000e+00	-4.9390e+03
589	432	2.2737e-12	-4.2472e+01	-4.2633e-14	-2.1815e+03	-3.6380e-12	-5.4618e+03
	174	-2.2737e-12	4.2472e+01	4.2633e-14	2.1815e+03	-1.8190e-12	-2.7565e+03
590	439	-1.5916e-12	-1.0360e+03	-7.1054e-15	1.7605e+03	9.0949e-13	-4.5605e+04
	122	1.5916e-12	1.0360e+03	7.1054e-15	-1.7605e+03	9.0949e-13	-1.3947e+05
591	115	1.2506e-12	1.5845e+02	3.2685e-13	-4.0107e+02	-2.5466e-11	1.0323e+04
	123	-1.2506e-12	-1.5845e+02	-3.2685e-13	4.0107e+02	2.0918e-11	1.3106e+04
592	104	4.5475e-13	-2.6662e+01	-1.3145e-13	1.7005e+02	1.3188e-11	5.1554e+02
	115	-4.5475e-13	2.6662e+01	1.3145e-13	-1.7005e+02	5.6843e-12	-5.1281e+03
593	92	2.7285e-12	-1.0918e+02	7.8160e-13	1.0398e+02	-4.5532e-11	-9.1700e+03

	104	-2.7285e-12	1.0918e+02	-7.8160e-13	-1.0398e+02	4.4110e-11	-6.9746e+03
594	104	3.8227e-12	7.8147e+01	-9.2371e-14	1.4294e+03	-1.3642e-11	1.0896e+04
	467	-3.8227e-12	-7.8147e+01	9.2371e-14	-1.4294e+03	-8.1855e-12	2.2516e+03
595	123	3.1832e-12	-1.4091e+02	-3.1974e-14	-1.8260e+03	1.8190e-12	-3.6805e+03
	458	-3.1832e-12	1.4091e+02	3.1974e-14	1.8260e+03	8.1855e-12	-1.7761e+04
596	424	2.0464e-12	-2.1231e+01	-1.7764e-15	4.3555e+03	-1.1369e-13	-4.0894e+03
	429	-2.0464e-12	2.1231e+01	1.7764e-15	-4.3555e+03	-9.0949e-13	-6.9294e+03
598	461	-1.4779e-12	-3.5093e+01	4.4409e-16	-4.1886e+02	-1.1369e-13	-7.6616e+03
	435	1.4779e-12	3.5093e+01	-4.4409e-16	4.1886e+02	2.2737e-13	-1.0552e+04
599	459	6.3665e-12	-1.9916e+01	0.0000e+00	-6.9812e+02	-1.8190e-12	-1.4720e+03
	461	-6.3665e-12	1.9916e+01	0.0000e+00	6.9812e+02	-1.8190e-12	-2.3816e+03
600	452	-3.5243e-12	-1.4061e+01	-3.1086e-15	1.0709e+03	-9.0949e-13	-2.2426e+03
	449	3.5243e-12	1.4061e+01	3.1086e-15	-1.0709e+03	-2.2737e-13	-5.0553e+03
601	423	6.5938e-12	-2.2699e+02	5.6843e-14	-2.6714e+03	1.8190e-12	-2.0133e+04
	452	-6.5938e-12	2.2699e+02	-5.6843e-14	2.6714e+03	1.8190e-12	-2.3788e+04
602	456	-9.0949e-13	1.2706e+03	7.7716e-16	1.0142e+04	-5.6843e-14	9.4978e+04
	78	9.0949e-13	1.4371e+03	-7.7716e-16	-1.0142e+04	-1.4211e-13	-1.4052e+05
603	85	-3.1832e-12	1.3981e+03	-1.3323e-15	-1.0843e+04	-1.1369e-13	1.4628e+05
	456	3.1832e-12	1.0472e+03	1.3323e-15	1.0843e+04	-3.9790e-13	-5.9612e+04
604	442	-2.9559e-12	1.3845e+03	8.8818e-16	-8.2100e+03	1.1369e-13	1.1866e+05
	162	2.9559e-12	1.2738e+03	-8.8818e-16	8.2100e+03	1.4211e-13	-8.8937e+04
605	169	-3.1832e-12	1.3887e+03	8.8818e-16	9.8222e+03	-3.9790e-13	1.5274e+05
	442	3.1832e-12	1.1062e+03	-8.8818e-16	-9.8222e+03	-2.2737e-13	-8.1543e+04
606	420	6.8212e-12	7.2770e+01	-4.2633e-14	1.8932e+03	0.0000e+00	6.1743e+03
	419	-6.8212e-12	-7.2770e+01	4.2633e-14	-1.8932e+03	-1.8190e-12	7.9067e+03
607	429	0.0000e+00	4.8066e+01	1.3323e-15	-3.5221e+03	3.4106e-13	1.3524e+04
	420	0.0000e+00	-4.8066e+01	-1.3323e-15	3.5221e+03	3.9790e-13	1.3009e+04
608	436	5.0022e-12	5.2241e+01	5.6843e-14	1.1015e+02	0.0000e+00	3.3498e+03
	443	-5.0022e-12	-5.2241e+01	-5.6843e-14	-1.1015e+02	3.6380e-12	6.7589e+03
609	435	1.2506e-12	5.7186e+01	-1.3323e-15	-1.2766e+02	1.1369e-13	1.6385e+04
	436	-1.2506e-12	-5.7186e+01	1.3323e-15	1.2766e+02	1.1369e-13	1.5181e+04
610	431	-2.0464e-12	2.5338e+00	-1.4211e-14	-4.1296e+02	9.0949e-13	-1.3837e+04
	417	2.0464e-12	-2.5338e+00	1.4211e-14	4.1296e+02	1.8190e-12	1.4327e+04
611	458	-3.2969e-12	1.7876e+02	4.4409e-16	2.6508e+02	-1.1369e-13	4.9735e+04
	431	3.2969e-12	-1.7876e+02	-4.4409e-16	-2.6508e+02	-2.2737e-13	4.8938e+04
612	440	-6.2244e-12	4.2634e+01	-4.2633e-14	-3.3194e+02	3.6380e-12	2.4199e+03
	438	6.2244e-12	-4.2634e+01	4.2633e-14	3.3194e+02	7.2760e-12	5.8298e+03
613	467	-4.2988e-13	5.2035e+01	8.8818e-16	-1.4741e+02	-5.6843e-13	1.4390e+04
	440	4.2988e-13	-5.2035e+01	-8.8818e-16	1.4741e+02	-5.6843e-13	1.4333e+04
614	422	-3.1832e-12	-2.1560e+01	1.4211e-14	-2.4105e+03	0.0000e+00	-3.8865e+03
	448	3.1832e-12	2.1560e+01	-1.4211e-14	2.4105e+03	0.0000e+00	-2.9156e+02
615	449	-1.4211e-12	6.1701e+01	-2.6645e-15	1.0569e+03	7.9581e-13	1.8126e+04
	422	1.4211e-12	-6.1701e+01	2.6645e-15	-1.0569e+03	2.8422e-13	1.5933e+04
616	426	-1.3642e-12	5.7801e+01	2.8422e-14	3.6238e+03	-3.6380e-12	9.4941e+02
	433	1.3642e-12	-5.7801e+01	-2.8422e-14	-3.6238e+03	-3.6380e-12	1.0235e+04
617	445	1.9327e-12	2.5837e+01	0.0000e+00	3.0187e+03	0.0000e+00	1.0456e+04
	426	-1.9327e-12	-2.5837e+01	0.0000e+00	-3.0187e+03	4.5475e-13	3.8061e+03
618	416	5.9117e-12	1.4546e+02	-2.8422e-14	-1.1273e+03	1.8190e-12	-5.5922e+03
	434	-5.9117e-12	-1.4546e+02	2.8422e-14	1.1273e+03	2.7285e-12	3.3738e+04
619	447	9.0949e-13	1.9526e+02	8.8818e-16	1.0002e+03	-5.6843e-14	9.0487e+04

	416	-9.0949e-13	-1.9526e+02	-8.8818e-16	-1.0002e+03	1.7053e-13	1.7297e+04
620	453	-1.0232e-12	1.2327e+03	-2.2204e-16	7.2793e+02	1.7053e-13	8.7497e+04
	447	1.0232e-12	1.3363e+03	2.2204e-16	-7.2793e+02	-1.7053e-13	-1.1439e+05
621	468	1.5916e-12	-1.2281e+02	-7.1054e-15	-3.1051e+03	-3.6380e-12	-2.2098e+04
	453	-1.5916e-12	1.0820e+03	7.1054e-15	3.1051e+03	-1.8190e-12	-9.4644e+04
622	364	-2.1316e-14	1.3789e+03	1.8652e-14	-6.2140e+03	5.9117e-12	2.2185e+05
	363	2.1316e-14	-1.3789e+03	-1.8652e-14	6.2140e+03	-4.0927e-12	2.1249e+05
623	382	1.2434e-13	1.6084e+02	-7.9936e-15	2.9955e+02	3.9790e-12	4.7140e+04
	364	-1.2434e-13	-1.6084e+02	7.9936e-15	-2.9955e+02	5.7980e-12	4.0070e+03
624	339	-1.7764e-14	-1.1026e+02	-4.8850e-15	4.7485e+03	-3.8654e-12	-1.3347e+04
	382	1.7764e-14	1.1026e+02	4.8850e-15	-4.7485e+03	5.1159e-12	-2.1715e+04
625	334	-1.6342e-13	4.0669e+01	-1.9429e-14	-2.3272e+03	-2.8422e-13	5.7662e+03
	339	1.6342e-13	-4.0669e+01	1.9429e-14	2.3272e+03	2.8706e-12	7.1666e+03
626	378	-1.5277e-13	-2.7909e+01	1.0991e-14	-1.0606e+03	-3.7943e-12	-1.8029e+03
	334	1.5277e-13	2.7909e+01	-1.0991e-14	1.0606e+03	-5.3433e-12	-7.2675e+03
627	384	1.9895e-13	-1.5413e+02	1.5987e-14	5.6128e+03	-4.7748e-12	-2.4255e+04
	378	-1.9895e-13	1.5413e+02	-1.5987e-14	-5.6128e+03	7.0486e-12	-2.4836e+04
628	362	-1.0303e-13	-3.2694e+01	-2.1316e-14	-6.3620e+03	7.9581e-13	9.0653e+03
	384	1.0303e-13	3.2694e+01	2.1316e-14	6.3620e+03	-2.1600e-12	-1.9299e+04
629	347	6.2172e-14	-9.8577e+02	-2.6645e-15	8.4104e+02	1.5916e-12	-1.3456e+05
	362	-6.2172e-14	9.8577e+02	2.6645e-15	-8.4104e+02	4.5475e-13	-1.7217e+05
630	338	1.1369e-13	1.6475e+03	5.7732e-14	-2.3945e+03	6.5938e-12	9.1284e+04
	350	-1.1369e-13	1.5057e+03	-5.7732e-14	2.3945e+03	-1.3642e-11	-6.8703e+04
631	88	-9.0949e-13	1.4310e+03	4.4764e-13	-4.6611e+03	4.0245e-11	7.6202e+04
	338	9.0949e-13	2.4866e+02	-4.4764e-13	4.6611e+03	4.8203e-11	2.4100e+04
632	356	-1.1369e-13	1.7252e+03	-5.3291e-14	-9.1087e+02	1.3188e-11	1.0504e+05
	166	1.1369e-13	1.4463e+03	5.3291e-14	9.1087e+02	-3.6380e-12	-6.0361e+04
633	348	1.1369e-13	1.6143e+03	-4.9738e-14	-7.4810e+02	-9.5497e-12	9.0085e+04
	356	-1.1369e-13	1.5339e+03	4.9738e-14	7.4810e+02	-1.1369e-11	-7.7303e+04
634	119	-1.1369e-13	1.7144e+03	7.9048e-14	6.6043e+02	-1.2051e-11	1.0301e+05
	348	1.1369e-13	1.5065e+03	-7.9048e-14	-6.6043e+02	-1.1369e-12	-6.9200e+04
643	381	0.0000e+00	1.7987e+03	-6.0396e-14	2.3232e+03	2.7285e-12	1.1680e+05
	128	0.0000e+00	1.3728e+03	6.0396e-14	-2.3232e+03	-1.3188e-11	-4.8586e+04
644	376	5.6843e-14	1.6149e+03	1.9540e-14	9.3840e+02	4.0927e-12	9.0526e+04
	381	-5.6843e-14	1.5333e+03	-1.9540e-14	-9.3840e+02	6.3665e-12	-7.7565e+04
645	373	-1.1369e-13	1.5780e+03	-6.3061e-14	2.3479e+03	4.5475e-13	8.4254e+04
	376	1.1369e-13	1.5702e+03	6.3061e-14	-2.3479e+03	-2.2737e-13	-8.3017e+04
646	361	-5.6843e-14	1.5467e+03	-6.2172e-14	-2.2861e+03	5.7980e-12	7.9183e+04
	373	5.6843e-14	1.6015e+03	6.2172e-14	2.2861e+03	-7.4749e-12	-8.7888e+04
647	375	1.7053e-13	1.6023e+03	-9.5923e-14	-2.5017e+02	3.4106e-12	8.6937e+04
	361	-1.7053e-13	1.6152e+03	9.5923e-14	2.5017e+02	-9.0949e-12	-8.9047e+04
648	369	-5.6843e-14	1.2707e+03	4.4409e-14	-9.8572e+02	-6.8212e-12	2.8653e+04
	375	5.6843e-14	1.8824e+03	-4.4409e-14	9.8572e+02	4.5475e-13	-1.2607e+05
649	388	1.1369e-13	4.1098e+01	-1.7764e-15	3.9585e+03	-8.4128e-12	9.7653e+03
	369	-1.1369e-13	-4.1098e+01	1.7764e-15	-3.9585e+03	-7.7307e-12	3.0983e+03
650	76	-5.6843e-14	2.1842e+01	4.6185e-14	-5.1794e+03	1.0914e-11	6.1709e+03
	388	5.6843e-14	-2.1842e+01	-4.6185e-14	5.1794e+03	-7.2760e-12	6.2974e+02
659	173	1.3642e-12	-1.5696e+01	2.2204e-16	-9.7450e+02	-2.8422e-14	-1.7509e+03
	362	-1.3642e-12	1.5696e+01	-2.2204e-16	9.7450e+02	1.1369e-13	-6.3951e+03
660	353	6.4801e-12	-6.4940e+01	-2.1316e-14	-3.7512e+03	1.8190e-12	-9.8155e+03

	173	-6.4801e-12	6.4940e+01	2.1316e-14	3.7512e+03	1.8190e-12	-2.7504e+03
661	355	3.1264e-12	-1.2213e+03	3.5527e-15	6.3956e+03	0.0000e+00	-7.1576e+04
	119	-3.1264e-12	1.2213e+03	-3.5527e-15	-6.3956e+03	-2.2737e-13	-1.4660e+05
662	113	-7.9581e-13	1.7767e+02	2.0961e-13	-3.9305e+02	-3.4788e-11	1.1983e+04
	121	7.9581e-13	-1.7767e+02	-2.0961e-13	3.9305e+02	-4.9795e-11	1.4289e+04
663	102	-8.5265e-14	-1.8823e+01	2.1760e-13	1.1206e+02	3.4106e-13	2.6191e+02
	113	8.5265e-14	1.8823e+01	-2.1760e-13	-1.1206e+02	1.4097e-11	-3.5182e+03
664	89	5.6843e-14	-1.2963e+02	-3.4728e-13	1.7037e+02	7.2760e-12	-1.0673e+04
	102	-5.6843e-14	1.2963e+02	3.4728e-13	-1.7037e+02	-4.7180e-11	-8.4950e+03
665	102	5.3060e-12	9.6833e+01	-2.1316e-14	8.7825e+02	-2.8422e-12	1.1210e+04
	334	-5.3060e-12	-9.6833e+01	2.1316e-14	-8.7825e+02	-3.0695e-12	5.0814e+03
666	121	-2.7285e-12	-9.5209e+01	2.6645e-14	-8.8828e+02	-2.2737e-13	-2.1289e+03
	339	2.7285e-12	9.5209e+01	-2.6645e-14	8.8828e+02	1.9327e-12	-1.2358e+04
667	356	2.2737e-13	-2.4865e+01	8.8818e-16	3.8261e+03	-2.8422e-13	-5.8494e+03
	364	-2.2737e-13	2.4865e+01	-8.8818e-16	-3.8261e+03	-1.7053e-13	-7.0554e+03
668	367	6.7075e-12	-2.6184e+01	7.1054e-15	-1.5379e+03	1.3642e-12	-2.1160e+03
	356	-6.7075e-12	2.6184e+01	-7.1054e-15	1.5379e+03	9.0949e-13	-2.9505e+03
669	348	1.1084e-12	-3.4941e+01	8.8818e-16	2.6125e+02	2.5580e-13	-8.1307e+03
	382	-1.1084e-12	3.4941e+01	-8.8818e-16	-2.6125e+02	2.2737e-13	-1.0004e+04
670	349	3.4106e-13	-3.1399e+01	-1.4211e-14	-1.2241e+03	-4.5475e-13	-3.2743e+03
	348	-3.4106e-13	3.1399e+01	1.4211e-14	1.2241e+03	-9.0949e-13	-2.8014e+03
671	338	-1.0800e-12	-2.5307e+01	1.3323e-15	2.2380e+03	5.6843e-14	-4.3192e+03
	378	1.0800e-12	2.5307e+01	-1.3323e-15	-2.2380e+03	2.2737e-13	-8.8151e+03
672	368	4.7748e-12	-2.9881e+02	-4.2633e-14	-5.4073e+03	2.7285e-12	-2.8892e+04
	338	-4.7748e-12	2.9881e+02	4.2633e-14	5.4073e+03	9.0949e-13	-2.8927e+04
673	347	-9.6634e-13	2.6305e+03	1.6653e-16	8.0236e+03	1.4211e-13	2.2037e+05
	76	9.6634e-13	2.7848e+03	-1.6653e-16	-8.0236e+03	1.4211e-14	-2.6256e+05
674	83	-1.7053e-12	2.6217e+03	-1.6653e-16	-8.5839e+03	-1.2790e-13	2.4738e+05
	347	1.7053e-12	2.2689e+03	1.6653e-16	8.5839e+03	-8.5265e-14	-1.6023e+05
675	363	-8.5265e-13	2.7422e+03	-2.7756e-16	-8.7871e+03	-7.1054e-14	2.4684e+05
	128	8.5265e-13	2.5744e+03	2.7756e-16	8.7871e+03	-1.4211e-14	-2.0177e+05
676	166	4.5475e-13	2.6431e+03	-3.3307e-16	9.9282e+03	4.2633e-14	2.5750e+05
	363	-4.5475e-13	2.3467e+03	3.3307e-16	-9.9282e+03	0.0000e+00	-1.8280e+05
677	381	-1.1369e-13	1.0411e+02	1.4211e-14	2.1860e+03	-5.0022e-12	9.8014e+03
	380	1.1369e-13	-1.0411e+02	-1.4211e-14	-2.1860e+03	-3.1832e-12	1.0344e+04
678	364	-3.4106e-13	6.4833e+01	0.0000e+00	-3.2502e+03	-3.4106e-13	1.7982e+04
	381	3.4106e-13	-6.4833e+01	0.0000e+00	3.2502e+03	-3.1264e-13	1.7806e+04
679	376	-5.5707e-12	8.6603e+01	-7.1054e-15	3.4160e+02	-9.0949e-13	6.7694e+03
	370	5.5707e-12	-8.6603e+01	7.1054e-15	-3.4160e+02	-4.5475e-13	9.9883e+03
680	382	-4.5475e-13	8.3502e+01	-2.4425e-15	-3.2447e+02	4.5475e-13	2.3518e+04
	376	4.5475e-13	-8.3502e+01	2.4425e-15	3.2447e+02	5.1159e-13	2.2575e+04
681	373	6.3096e-12	5.8114e+01	-7.1054e-15	-2.5300e+02	2.2737e-12	1.2582e+03
	383	-6.3096e-12	-5.8114e+01	7.1054e-15	2.5300e+02	1.8190e-12	9.9869e+03
682	339	1.7195e-12	2.2226e+02	-5.5511e-17	3.2424e+02	-2.1316e-13	6.2137e+04
	373	-1.7195e-12	-2.2226e+02	5.5511e-17	-3.2424e+02	-1.9185e-13	6.0553e+04
683	361	4.8646e-12	8.0230e+01	1.4211e-14	-3.7273e+02	4.5475e-13	6.0224e+03
	371	-4.8646e-12	-8.0230e+01	-1.4211e-14	3.7273e+02	-1.3642e-12	9.5021e+03
684	334	1.0312e-12	7.6918e+01	1.3323e-15	7.1076e+00	-1.1369e-13	2.0991e+04
	361	-1.0312e-12	-7.6918e+01	-1.3323e-15	-7.1076e+00	-1.1369e-13	2.1468e+04
685	375	1.1369e-12	7.1740e+01	0.0000e+00	1.2843e+03	9.0949e-13	4.4332e+03

	354	-1.1369e-12	-7.1740e+01	0.0000e+00	-1.2843e+03	4.5475e-13	9.4688e+03
686	378	-4.8317e-13	8.4000e+01	6.6613e-16	-4.4877e+02	-6.8212e-13	2.3152e+04
	375	4.8317e-13	-8.4000e+01	-6.6613e-16	4.4877e+02	-6.2528e-13	2.3216e+04
687	388	5.6843e-12	3.3206e+01	4.2633e-14	-4.6447e+03	-1.8190e-12	-3.7847e+03
	386	-5.6843e-12	-3.3206e+01	-4.2633e-14	4.6447e+03	-9.0949e-13	1.0210e+04
688	362	6.8212e-13	5.2462e+01	-3.3307e-15	5.9991e+03	0.0000e+00	1.6073e+04
	388	-6.8212e-13	-5.2462e+01	3.3307e-15	-5.9991e+03	3.4106e-13	1.2886e+04
689	369	3.4106e-13	-7.2107e+02	0.0000e+00	-2.3461e+04	-1.1369e-12	-1.5551e+05
	385	-3.4106e-13	1.6789e+03	0.0000e+00	2.3461e+04	4.5475e-13	-7.6690e+04
690	384	-7.9581e-13	5.0853e+02	2.2204e-16	8.2901e+03	0.0000e+00	1.3015e+05
	369	7.9581e-13	-5.0853e+02	-2.2204e-16	-8.2901e+03	1.1369e-13	1.5056e+05
691	350	-7.3896e-13	-1.9564e+02	5.5511e-17	-2.8709e+03	-1.1369e-13	-2.6443e+04
	384	7.3896e-13	1.9564e+02	-5.5511e-17	2.8709e+03	-8.5265e-14	-7.5093e+04
692	352	2.5011e-12	1.8623e+02	1.0658e-14	9.5123e+03	-4.5475e-13	-2.9728e+04
	350	-2.5011e-12	7.7301e+02	-1.0658e-14	-9.5123e+03	0.0000e+00	-2.7127e+04
693	172	-7.9581e-13	2.9125e+01	3.5527e-15	-1.0519e+02	1.1369e-12	1.2480e+04
	141	7.9581e-13	-2.9125e+01	-3.5527e-15	1.0519e+02	-2.2737e-13	2.6359e+03
694	130	-4.5475e-13	-7.3095e+02	0.0000e+00	-1.0872e+03	0.0000e+00	-7.6343e+04
	172	4.5475e-13	7.3095e+02	0.0000e+00	1.0872e+03	0.0000e+00	-6.5095e+04
695	171	1.0686e+03	-2.3226e+02	2.6617e+02	7.8130e+01	-4.3765e+04	-4.9285e+04
	172	-1.0686e+03	2.3226e+02	-2.6617e+02	-7.8130e+01	-4.4071e+04	-2.7361e+04
696	134	-9.0949e-13	-8.2456e+02	0.0000e+00	3.2154e+03	-3.6380e-12	-6.3958e+04
	503	9.0949e-13	8.2456e+02	0.0000e+00	-3.2154e+03	-1.8190e-12	-8.3339e+04
697	496	2.2737e-13	1.8873e+02	-4.2633e-14	5.9391e+02	-1.4779e-12	1.2140e+04
	504	-2.2737e-13	-1.8873e+02	4.2633e-14	-5.9391e+02	2.3874e-12	1.5768e+04
698	494	2.2737e-13	-8.1318e+00	-2.5757e-14	-3.2992e+01	-1.9895e-12	2.1746e+03
	496	-2.2737e-13	8.1318e+00	2.5757e-14	3.2992e+01	3.0838e-12	-3.5814e+03
699	493	-5.6843e-14	-1.0416e+02	-2.0872e-14	-2.1532e+02	-4.5333e-12	-8.3722e+03
	494	5.6843e-14	1.0416e+02	2.0872e-14	2.1532e+02	-4.2633e-12	-7.0291e+03
700	494	6.4215e-13	1.4001e+00	0.0000e+00	6.8197e+02	-1.2506e-12	2.8558e+03
	144	-6.4215e-13	-1.4001e+00	0.0000e+00	-6.8197e+02	4.5475e-13	-2.6202e+03
701	504	-3.9790e-13	-1.4410e+02	1.0658e-14	-9.7904e+02	-2.2737e-13	-8.5799e+03
	145	3.9790e-13	1.4410e+02	-1.0658e-14	9.7904e+02	2.2737e-13	-1.3347e+04
702	137	-9.6634e-13	-3.9753e+01	-1.7764e-15	-3.5884e+02	1.3642e-12	-8.1488e+03
	147	9.6634e-13	3.9753e+01	1.7764e-15	3.5884e+02	0.0000e+00	-1.2483e+04
703	136	0.0000e+00	-2.8347e+02	-2.8422e-14	-2.9201e+02	-1.8190e-12	-3.3044e+04
	137	0.0000e+00	2.8347e+02	2.8422e-14	2.9201e+02	-3.6380e-12	-2.1807e+04
704	138	-9.6634e-13	-5.0315e+01	-1.7764e-15	5.3879e+01	4.5475e-13	-1.0491e+04
	146	9.6634e-13	5.0315e+01	1.7764e-15	-5.3879e+01	4.5475e-13	-1.5623e+04
705	135	-1.5916e-12	-3.2884e+02	2.8422e-14	4.6119e+02	-1.8190e-12	-3.4440e+04
	138	1.5916e-12	3.2884e+02	-2.8422e-14	-4.6119e+02	-1.8190e-12	-2.9190e+04
706	140	-6.5370e-13	-2.9610e+01	2.6645e-15	7.8764e+02	2.2737e-13	-4.4033e+03
	143	6.5370e-13	2.9610e+01	-2.6645e-15	-7.8764e+02	6.8212e-13	-1.0964e+04
707	132	-1.4779e-12	-4.9463e+02	0.0000e+00	-1.7355e+03	0.0000e+00	-4.9111e+04
	140	1.4779e-12	4.9463e+02	0.0000e+00	1.7355e+03	-5.4570e-12	-4.6600e+04
708	161	-4.5475e-13	2.6841e+03	3.4434e-16	-8.1843e+02	-2.8422e-14	2.3731e+05
	482	4.5475e-13	2.7312e+03	-3.4434e-16	8.1843e+02	2.8422e-14	-2.5021e+05
709	579	-2.2737e-13	2.7529e+02	-8.5265e-14	1.8166e+03	-4.5475e-13	2.5365e+04
	161	2.2737e-13	-2.7529e+02	8.5265e-14	-1.8166e+03	1.8190e-12	-4.1374e+03
710	25	1.8190e-12	4.3673e+03	-5.6843e-14	-1.0024e+04	3.6380e-12	1.9558e+05

	479	-1.8190e-12	-4.3673e+03	5.6843e-14	1.0024e+04	5.4570e-12	2.5643e+05
711	148	1.7053e-13	2.7057e+03	-2.3592e-16	1.7047e+03	2.8422e-14	2.4964e+05
	474	-1.7053e-13	2.6108e+03	2.3592e-16	-1.7047e+03	-6.3949e-14	-2.2414e+05
712	478	1.7053e-13	2.4968e+03	0.0000e+00	-1.2363e+03	1.7053e-13	2.1129e+05
	148	-1.7053e-13	2.4931e+03	0.0000e+00	1.2363e+03	-5.6843e-14	-2.1036e+05
713	156	-1.5916e-12	2.1637e+02	-2.1316e-14	-7.3668e+02	9.0949e-13	1.6672e+04
	160	1.5916e-12	-2.1637e+02	2.1316e-14	7.3668e+02	-1.8190e-12	2.5196e+04
714	147	2.8422e-13	9.7256e+01	-2.6645e-15	8.1193e+00	5.6843e-13	2.7420e+04
	156	-2.8422e-13	-9.7256e+01	2.6645e-15	-8.1193e+00	2.2737e-13	2.6265e+04
715	155	-4.5475e-13	2.1105e+02	-5.6843e-14	-5.6993e+02	-1.0004e-11	1.5860e+04
	159	4.5475e-13	-2.1105e+02	5.6843e-14	5.6993e+02	3.6380e-12	2.4977e+04
716	146	5.6843e-14	1.0450e+02	-1.3600e-15	-9.8031e+01	3.4106e-13	2.9789e+04
	155	-5.6843e-14	-1.0450e+02	1.3600e-15	9.8031e+01	-5.4001e-13	2.7893e+04
717	154	-3.4106e-13	2.2250e+02	2.8422e-14	-4.2446e+02	3.6380e-12	1.8207e+04
	158	3.4106e-13	-2.2250e+02	-2.8422e-14	4.2446e+02	0.0000e+00	2.4846e+04
718	145	-1.4211e-13	9.6455e+01	3.7192e-15	-3.4443e+02	-6.8212e-13	2.7322e+04
	154	1.4211e-13	-9.6455e+01	-3.7192e-15	3.4443e+02	1.9895e-13	2.5921e+04
719	153	-7.1054e-13	1.8681e+02	-1.4211e-14	-9.7073e+02	-3.6380e-12	1.4497e+04
	157	7.1054e-13	-1.8681e+02	1.4211e-14	9.7073e+02	9.0949e-13	2.1651e+04
720	144	6.9278e-14	9.5498e+01	9.1593e-16	1.1589e+02	-3.9790e-13	2.6428e+04
	153	-6.9278e-14	-9.5498e+01	-9.1593e-16	-1.1589e+02	-2.5580e-13	2.6287e+04
721	151	-1.7053e-12	2.1436e+02	-5.6843e-14	-1.3590e+03	-6.3665e-12	1.6848e+04
	152	1.7053e-12	-2.1436e+02	5.6843e-14	1.3590e+03	-1.3642e-11	2.4691e+04
722	143	-5.6843e-14	1.0126e+02	-5.2736e-15	8.9813e+02	-2.8422e-13	2.9075e+04
	151	5.6843e-14	-1.0126e+02	5.2736e-15	-8.9813e+02	-9.0949e-13	2.6821e+04
723	194	4.5475e-13	7.2617e+02	7.1054e-15	3.7334e+03	4.5475e-12	6.6484e+04
	149	-4.5475e-13	-7.2617e+02	-7.1054e-15	-3.7334e+03	4.5475e-12	7.4030e+04
724	141	1.0800e-12	2.6993e+00	-6.3838e-16	-4.9330e+02	-1.7053e-13	4.9005e+03
	194	-1.0800e-12	-2.6993e+00	6.3838e-16	4.9330e+02	1.2790e-12	-3.4105e+03
725	195	-1.7053e-12	7.6499e+02	4.2633e-14	-1.7673e+03	6.3665e-12	6.9216e+04
	150	1.7053e-12	-7.6499e+02	-4.2633e-14	1.7673e+03	-5.4570e-12	7.8810e+04
726	142	6.2528e-13	3.1419e+01	3.2474e-15	7.2530e+02	6.8212e-13	1.4760e+04
	195	-6.2528e-13	-3.1419e+01	-3.2474e-15	-7.2530e+02	1.2790e-12	2.5828e+03
727	139	8.5265e-13	-2.4677e+01	0.0000e+00	2.1471e+02	1.1369e-12	-4.3220e+03
	142	-8.5265e-13	2.4677e+01	0.0000e+00	-2.1471e+02	-2.2737e-13	-8.4853e+03
728	131	-1.1369e-12	-5.3679e+02	1.4211e-14	-1.6084e+03	-1.8190e-12	-5.5603e+04
	139	1.1369e-12	5.3679e+02	-1.4211e-14	1.6084e+03	0.0000e+00	-4.8419e+04
729	147	8.5265e-14	5.2651e+02	-1.7764e-15	-1.5470e+03	1.8190e-12	8.0545e+04
	148	-8.5265e-14	-5.2651e+02	1.7764e-15	1.5470e+03	-6.8212e-13	8.5306e+04
730	146	8.5265e-14	1.2320e+02	-1.7764e-15	-6.4311e+01	-1.5916e-12	1.9969e+04
	147	-8.5265e-14	-1.2320e+02	1.7764e-15	6.4311e+01	1.1369e-12	1.9209e+04
731	145	0.0000e+00	-8.8092e+00	1.0658e-14	9.2245e+01	-7.9581e-13	-1.0745e+03
	146	0.0000e+00	8.8092e+00	-1.0658e-14	-9.2245e+01	-1.0232e-12	-1.7268e+03
732	144	7.1054e-14	1.6982e+01	-1.5543e-15	9.6921e+02	6.8212e-13	2.7116e+03
	145	-7.1054e-14	-1.6982e+01	1.5543e-15	-9.6921e+02	2.8422e-14	2.6888e+03
733	143	2.8422e-14	1.3837e+01	-2.6645e-15	-8.5107e+02	1.1937e-12	2.3732e+03
	144	-2.8422e-14	-1.3837e+01	2.6645e-15	8.5107e+02	-6.2528e-13	2.1237e+03
734	142	-1.1369e-13	4.2075e+00	-1.3323e-14	-1.9951e+03	1.0232e-12	7.5756e+02
	143	1.1369e-13	-4.2075e+00	1.3323e-14	1.9951e+03	6.8212e-13	5.8253e+02
735	141	-7.1054e-14	-6.7411e+01	3.5527e-15	1.4095e+03	-2.0464e-12	-1.0255e+04

	142	7.1054e-14	6.7411e+01	-3.5527e-15	-1.4095e+03	-1.8190e-12	-1.0845e+04
736	161	-8.5265e-14	-4.0005e+02	-7.1054e-15	7.1785e+03	-3.4106e-12	-6.6744e+04
	141	8.5265e-14	4.0005e+02	7.1054e-15	-7.1785e+03	3.1832e-12	-5.7735e+04
737	140	5.6843e-14	2.4616e+01	7.1054e-15	-3.7926e+02	3.4106e-13	3.6379e+03
	139	-5.6843e-14	-2.4616e+01	-7.1054e-15	3.7926e+02	0.0000e+00	4.2024e+03
738	492	-1.1369e-13	5.1098e+02	-2.4869e-14	-5.2364e+03	1.1369e-12	4.3342e+04
	140	1.1369e-13	-5.1098e+02	2.4869e-14	5.2364e+03	-6.8212e-13	4.3354e+04
739	137	0.0000e+00	2.8531e+02	-1.7764e-15	-1.6343e+03	0.0000e+00	4.4941e+04
	478	0.0000e+00	-2.8531e+02	1.7764e-15	1.6343e+03	-1.3642e-12	4.6457e+04
740	138	1.1369e-13	7.6040e+01	3.5527e-15	-6.0290e+02	-4.5475e-13	1.2737e+04
	137	-1.1369e-13	-7.6040e+01	-3.5527e-15	6.0290e+02	1.3642e-12	1.1443e+04
741	503	-1.1369e-13	1.0866e+02	3.5527e-15	2.5478e+03	-1.1369e-12	1.7057e+04
	138	1.1369e-13	-1.0866e+02	-3.5527e-15	-2.5478e+03	-1.2506e-12	1.8295e+04
742	136	0.0000e+00	1.8504e+03	3.5527e-15	-3.1229e+02	0.0000e+00	1.2391e+05
	479	0.0000e+00	1.3211e+03	-3.5527e-15	3.1229e+02	-2.2737e-13	-3.9115e+04
743	135	5.6843e-14	1.6186e+03	3.5527e-15	-2.3249e+03	9.0949e-13	9.1366e+04
	136	-5.6843e-14	1.5296e+03	-3.5527e-15	2.3249e+03	2.2737e-13	-7.7213e+04
744	134	0.0000e+00	1.6410e+03	1.2434e-14	-4.0537e+03	1.4779e-12	9.4094e+04
	135	0.0000e+00	1.5072e+03	-1.2434e-14	4.0537e+03	1.1369e-13	-7.2805e+04
745	133	5.6843e-14	1.5428e+03	1.1102e-14	4.8367e+03	-6.2528e-13	7.8854e+04
	134	-5.6843e-14	1.6054e+03	-1.1102e-14	-4.8367e+03	1.7906e-12	-8.8821e+04
746	132	0.0000e+00	1.5996e+03	1.2434e-14	-2.2929e+03	1.2790e-12	8.5528e+04
	133	0.0000e+00	1.6179e+03	-1.2434e-14	2.2929e+03	1.5916e-12	-8.8517e+04
747	131	-2.8422e-13	1.5862e+03	6.2172e-15	9.0030e+02	1.9327e-12	8.2012e+04
	132	2.8422e-13	1.6709e+03	-6.2172e-15	-9.0030e+02	-3.4106e-13	-9.5946e+04
748	130	0.0000e+00	1.4723e+03	-3.5527e-15	-1.3091e+03	9.0949e-13	7.2029e+04
	131	0.0000e+00	1.5225e+03	3.5527e-15	1.3091e+03	1.1369e-12	-7.9623e+04
749	488	2.2737e-13	1.4657e+03	5.3291e-15	3.9097e+03	-1.3642e-12	6.5780e+04
	130	-2.2737e-13	1.6168e+03	-5.3291e-15	-3.9097e+03	2.2737e-12	-8.9315e+04
750	156	-1.1369e-13	3.8388e+02	5.3291e-15	1.8714e+03	-2.0464e-12	6.1738e+04
	474	1.1369e-13	-3.8388e+02	-5.3291e-15	-1.8714e+03	-1.8190e-12	6.1238e+04
751	155	0.0000e+00	9.1223e+01	-8.8818e-15	4.6796e+02	-6.8212e-13	1.4957e+04
	156	0.0000e+00	-9.1223e+01	8.8818e-15	-4.6796e+02	1.5916e-12	1.4051e+04
752	154	2.5580e-13	2.6886e+01	1.7764e-15	-2.6362e+02	-1.5916e-12	4.7703e+03
	155	-2.5580e-13	-2.6886e+01	-1.7764e-15	2.6362e+02	-1.1369e-12	3.7792e+03
753	153	-2.2737e-13	-2.1021e+00	1.1102e-14	6.5482e+01	-5.6843e-14	-6.3930e+02
	154	2.2737e-13	2.1021e+00	-1.1102e-14	-6.5482e+01	-1.2221e-12	-2.9166e+01
754	151	1.7053e-13	-1.0858e+01	6.2172e-15	6.3309e+02	1.3927e-12	-2.1659e+03
	153	-1.7053e-13	1.0858e+01	-6.2172e-15	-6.3309e+02	1.1937e-12	-1.3630e+03
755	195	-1.9895e-13	1.3231e+02	-1.7764e-15	5.1179e+03	-7.9581e-13	2.1276e+04
	151	1.9895e-13	-1.3231e+02	1.7764e-15	-5.1179e+03	7.3896e-12	2.0864e+04
756	194	1.4211e-13	2.6595e+01	1.2434e-14	-1.4107e+03	-2.2737e-13	5.3083e+03
	195	-1.4211e-13	-2.6595e+01	-1.2434e-14	1.4107e+03	-2.5011e-12	3.0160e+03
757	482	2.8422e-13	-1.8641e+02	-5.3291e-15	-7.8923e+03	2.7285e-12	-3.1848e+04
	194	-2.8422e-13	1.8641e+02	5.3291e-15	7.8923e+03	-4.5475e-13	-2.6193e+04
758	160	-1.7053e-13	1.9357e+03	0.0000e+00	3.7177e+02	1.1369e-12	1.3843e+05
	475	1.7053e-13	1.2358e+03	0.0000e+00	-3.7177e+02	-1.5916e-12	-2.6319e+04
759	159	-2.8422e-14	1.6561e+03	1.7764e-15	2.7028e+02	-4.5475e-13	9.6840e+04
	160	2.8422e-14	1.4921e+03	-1.7764e-15	-2.7028e+02	-1.1369e-13	-7.0758e+04
760	158	0.0000e+00	1.6000e+03	-6.6613e-15	3.0497e+02	-1.7053e-12	8.7967e+04

	159	0.0000e+00	1.5482e+03	6.6613e-15	-3.0497e+02	1.4779e-12	-7.9717e+04
761	157	2.8422e-14	1.5825e+03	5.3291e-15	-5.4222e+01	-7.9581e-13	8.4602e+04
	158	-2.8422e-14	1.5657e+03	-5.3291e-15	5.4222e+01	1.3074e-12	-8.1940e+04
762	152	0.0000e+00	1.6488e+03	-2.8866e-15	3.6150e+02	1.4211e-13	9.0515e+04
	157	0.0000e+00	1.6727e+03	2.8866e-15	-3.6150e+02	-1.4211e-12	-9.4531e+04
763	150	5.6843e-14	1.5061e+03	-8.8818e-15	4.1198e+03	1.7053e-12	7.5771e+04
	152	-5.6843e-14	1.5431e+03	8.8818e-15	-4.1198e+03	5.6843e-13	-8.1471e+04
764	149	-8.5265e-14	1.5886e+03	-9.7700e-15	-7.5178e+02	1.3642e-12	8.6789e+04
	150	8.5265e-14	1.5101e+03	9.7700e-15	7.5178e+02	6.8212e-13	-7.4498e+04
765	483	-5.6843e-14	1.5609e+03	5.3291e-15	-4.7803e+03	1.3642e-12	8.0409e+04
	149	5.6843e-14	1.5216e+03	-5.3291e-15	4.7803e+03	2.2737e-13	-7.4282e+04
806	352	1.4423e+03	-1.1475e+02	1.1111e+02	-1.2389e+02	-1.5979e+04	-1.9468e+04
	468	-1.4423e+03	1.1475e+02	-1.1111e+02	1.2389e+02	-1.9576e+04	-1.7251e+04
807	334	3.0138e+01	-7.8988e+00	-9.4234e+01	-8.6269e+01	1.4474e+04	-1.3281e+03
	467	-3.0138e+01	7.8988e+00	9.4234e+01	8.6269e+01	1.5681e+04	-1.1995e+03
808	348	-1.0859e+02	1.0552e+02	4.5466e+01	-1.2389e+02	-6.6921e+03	1.3513e+04
	461	1.0859e+02	-1.0552e+02	-4.5466e+01	1.2389e+02	-7.8569e+03	2.0254e+04
809	349	1.4152e+03	8.9497e+01	3.9420e+01	-8.6269e+01	-5.3159e+03	1.3070e+04
	459	-1.4152e+03	-8.9497e+01	-3.9420e+01	8.6269e+01	-7.2983e+03	1.5569e+04
810	339	1.6384e+02	-1.9975e+01	-1.4510e+02	-8.6269e+01	2.2416e+04	-3.1274e+03
	458	-1.6384e+02	1.9975e+01	1.4510e+02	8.6269e+01	2.4016e+04	-3.2645e+03
811	347	1.6021e+03	-4.0561e+02	-1.7283e+02	-1.2389e+02	2.7412e+04	-6.2239e+04
	456	-1.6021e+03	4.0561e+02	1.7283e+02	1.2389e+02	2.7893e+04	-6.7557e+04
812	350	2.2876e+03	6.3405e+00	1.0154e+02	-1.2389e+02	-2.0864e+04	1.2868e+04
	453	-2.2876e+03	-6.3405e+00	-1.0154e+02	1.2389e+02	-1.1629e+04	-1.0839e+04
813	338	-3.3018e+02	-3.2404e+02	9.2770e+01	-1.2389e+02	-1.4733e+04	-5.3448e+04
	452	3.3018e+02	3.2404e+02	-9.2770e+01	1.2389e+02	-1.4954e+04	-5.0243e+04
814	378	1.9798e+02	-1.1090e+02	-5.5660e+01	-1.2389e+02	9.9328e+03	-1.6632e+04
	449	-1.9798e+02	1.1090e+02	5.5660e+01	1.2389e+02	7.8783e+03	-1.8857e+04
815	354	1.7872e+03	-9.1697e+01	-3.2838e+01	-1.2389e+02	2.6855e+03	-1.3916e+04
	448	-1.7872e+03	9.1697e+01	3.2838e+01	1.2389e+02	7.8227e+03	-1.5427e+04
816	384	1.2820e+03	-1.2066e+02	-1.2511e+01	-1.2389e+02	1.2514e+04	-1.8077e+04
	447	-1.2820e+03	1.2066e+02	1.2511e+01	1.2389e+02	-8.5108e+03	-2.0534e+04
817	362	8.7451e+02	-5.4603e+02	-1.0365e+01	-1.2389e+02	3.9488e+03	-8.2965e+04
	445	-8.7451e+02	5.4603e+02	1.0365e+01	1.2389e+02	-6.3193e+02	-9.1766e+04
818	366	1.4182e+03	-8.6924e+01	4.2631e+01	-8.6269e+01	-5.3788e+03	-1.2830e+04
	444	-1.4182e+03	8.6924e+01	-4.2631e+01	8.6269e+01	-8.2632e+03	-1.4985e+04
819	370	1.5544e+03	1.9504e+01	-4.5248e+01	-8.6269e+01	6.2401e+03	2.9709e+03
	443	-1.5544e+03	-1.9504e+01	4.5248e+01	8.6269e+01	8.2392e+03	3.2703e+03
820	363	1.5304e+03	7.1879e+02	-1.9198e+02	-1.0498e+02	3.0050e+04	1.0646e+05
	442	-1.5304e+03	-7.1879e+02	1.9198e+02	1.0498e+02	3.1383e+04	1.2356e+05
821	367	1.7244e+03	1.1511e+02	2.7436e+01	-8.6269e+01	-3.6432e+03	1.7505e+04
	441	-1.7244e+03	-1.1511e+02	-2.7436e+01	8.6269e+01	-5.1361e+03	1.9332e+04
822	361	-6.1491e+00	-4.3717e+01	-1.0988e+02	-1.2389e+02	1.6243e+04	-6.3502e+03
	440	6.1491e+00	4.3717e+01	1.0988e+02	1.2389e+02	1.8920e+04	-7.6392e+03
823	355	8.0786e+02	1.0560e+01	1.9859e+02	-8.6269e+01	-3.0550e+04	2.0223e+03
	439	-8.0786e+02	-1.0560e+01	-1.9859e+02	8.6269e+01	-3.2997e+04	1.3569e+03
824	371	1.5554e+03	-3.7281e+01	-3.9837e+01	-8.6269e+01	5.2768e+03	-5.6719e+03
	438	-1.5554e+03	3.7281e+01	3.9837e+01	8.6269e+01	7.4712e+03	-6.2580e+03
825	376	1.5420e+01	2.8751e+01	-1.1437e+02	-1.2389e+02	1.6959e+04	3.8984e+03

	436	-1.5420e+01	-2.8751e+01	1.1437e+02	1.2389e+02	1.9638e+04	5.3020e+03
826	382	2.2713e+02	7.7341e+01	-6.5957e+01	-1.2389e+02	9.8401e+03	1.2231e+04
	435	-2.2713e+02	-7.7341e+01	6.5957e+01	1.2389e+02	1.1266e+04	1.2518e+04
827	385	1.1776e+03	-1.0481e+02	-1.4777e+01	-1.2389e+02	-1.4715e+04	-1.7234e+04
	434	-1.1776e+03	1.0481e+02	1.4777e+01	1.2389e+02	1.9444e+04	-1.6304e+04
828	386	1.4441e+03	1.0264e+02	-6.1220e+01	-1.2389e+02	5.6556e+03	1.5375e+04
	433	-1.4441e+03	-1.0264e+02	6.1220e+01	1.2389e+02	1.3935e+04	1.7471e+04
829	353	1.4086e+03	-5.6291e+01	5.1452e+01	-1.2389e+02	-7.6968e+03	-8.5817e+03
	432	-1.4086e+03	5.6291e+01	-5.1452e+01	1.2389e+02	-8.7679e+03	-9.4313e+03
830	373	-1.4900e+02	-2.1348e+01	-1.9157e+02	-1.2389e+02	2.9835e+04	-3.0960e+03
	431	1.4900e+02	2.1348e+01	1.9157e+02	1.2389e+02	3.1467e+04	-3.7354e+03
831	364	1.0045e+03	7.6269e+02	-6.8703e+01	-1.2389e+02	9.9258e+03	1.1540e+05
	429	-1.0045e+03	-7.6269e+02	6.8703e+01	1.2389e+02	1.2059e+04	1.2866e+05
832	356	7.0477e+01	1.2499e+02	2.3591e+01	-1.2389e+02	-2.6317e+03	1.7843e+04
	424	-7.0477e+01	-1.2499e+02	-2.3591e+01	1.2389e+02	-4.9174e+03	2.2152e+04
833	368	1.4855e+03	-5.7668e+01	9.9910e+01	-8.6269e+01	-1.4519e+04	-8.8713e+03
	423	-1.4855e+03	5.7668e+01	-9.9910e+01	8.6269e+01	-1.7452e+04	-9.5826e+03
834	375	-1.4126e+02	-6.1789e+01	-1.0894e+02	-1.2389e+02	1.5418e+04	-1.5769e+04
	422	1.4126e+02	6.1789e+01	1.0894e+02	1.2389e+02	1.9442e+04	-4.0033e+03
835	381	1.4542e+02	1.7304e+02	-8.5523e+01	-1.2389e+02	1.2137e+04	2.4202e+04
	420	-1.4542e+02	-1.7304e+02	8.5523e+01	1.2389e+02	1.5231e+04	3.1170e+04
836	380	1.6955e+03	1.5425e+02	-5.2544e+01	-8.6269e+01	7.6216e+03	2.3161e+04
	419	-1.6955e+03	-1.5425e+02	5.2544e+01	8.6269e+01	9.1925e+03	2.6198e+04
837	383	1.5723e+03	-2.2409e+01	-5.8519e+01	-8.6269e+01	7.2362e+03	-3.4181e+03
	417	-1.5723e+03	2.2409e+01	5.8519e+01	8.6269e+01	1.1490e+04	-3.7527e+03
838	323	4.4736e+03	8.7704e+01	-5.7078e+00	-9.1409e+01	2.0563e+03	1.3394e+04
	386	-4.4736e+03	-8.7704e+01	5.7078e+00	9.1409e+01	-2.2980e+02	1.4671e+04
839	329	4.9241e+03	-9.7774e+01	2.5729e+02	-9.1409e+01	-3.8829e+04	-1.5625e+04
	385	-4.9241e+03	9.7774e+01	-2.5729e+02	9.1409e+01	-4.3505e+04	-1.5662e+04
840	333	1.8647e+03	-8.9405e+01	-1.8424e+02	-9.1409e+01	2.8392e+04	-1.4294e+04
	384	-1.8647e+03	8.9405e+01	1.8424e+02	9.1409e+01	3.0564e+04	-1.4315e+04
841	331	3.0979e+03	-1.4097e+01	-2.0580e+01	-6.3650e+01	3.5312e+03	-2.3945e+03
	383	-3.0979e+03	1.4097e+01	2.0580e+01	6.3650e+01	3.0543e+03	-2.1165e+03
842	325	6.1667e+02	7.5913e+01	-5.2258e+01	-9.1409e+01	8.5991e+03	1.1684e+04
	382	-6.1667e+02	-7.5913e+01	5.2258e+01	9.1409e+01	8.1234e+03	1.2608e+04
843	318	3.5167e+03	1.2739e+02	-5.5223e+01	-9.1409e+01	9.0522e+03	2.0530e+04
	381	-3.5167e+03	-1.2739e+02	5.5223e+01	9.1409e+01	8.6193e+03	2.0237e+04
844	317	3.4135e+03	1.3542e+02	-3.4794e+01	-6.3650e+01	5.6416e+03	2.1712e+04
	380	-3.4135e+03	-1.3542e+02	3.4794e+01	6.3650e+01	5.4925e+03	2.1622e+04
845	332	4.3351e+02	-7.7938e+01	-6.7671e+01	-9.1409e+01	1.0578e+04	-1.2247e+04
	378	-4.3351e+02	7.7938e+01	6.7671e+01	9.1409e+01	1.1077e+04	-1.2693e+04
846	322	3.2036e+03	2.5059e+01	-8.6951e+01	-9.1409e+01	1.4030e+04	3.7421e+03
	376	-3.2036e+03	-2.5059e+01	8.6951e+01	9.1409e+01	1.3795e+04	4.2768e+03
847	328	3.3312e+03	-1.2812e+02	-7.3546e+01	-9.1409e+01	1.1975e+04	-1.9122e+04
	375	-3.3312e+03	1.2812e+02	7.3546e+01	9.1409e+01	1.1559e+04	-2.1877e+04
848	327	2.8663e+03	-9.5640e+00	-1.7005e+02	-9.1409e+01	2.7075e+04	-1.9452e+03
	373	-2.8663e+03	9.5640e+00	1.7005e+02	9.1409e+01	2.7342e+04	-1.1152e+03
849	319	3.0775e+03	-2.7554e+01	-2.0012e+01	-6.3650e+01	3.3580e+03	-4.5951e+03
	371	-3.0775e+03	2.7554e+01	2.0012e+01	6.3650e+01	3.0457e+03	-4.2221e+03
850	324	3.1038e+03	2.1940e+01	-2.5116e+01	-6.3650e+01	4.1384e+03	3.3632e+03

	370	-3.1038e+03	-2.1940e+01	2.5116e+01	6.3650e+01	3.8987e+03	3.6575e+03
851	302	2.8753e+03	-4.8921e+01	7.2891e+01	-6.3650e+01	-1.1559e+04	-7.8125e+03
	368	-2.8753e+03	4.8921e+01	-7.2891e+01	6.3650e+01	-1.1766e+04	-7.8421e+03
852	307	3.4718e+03	1.0077e+02	1.3930e+01	-6.3650e+01	-1.9842e+03	1.6131e+04
	367	-3.4718e+03	-1.0077e+02	-1.3930e+01	6.3650e+01	-2.4736e+03	1.6117e+04
853	314	2.8444e+03	-6.4249e+01	2.0370e+01	-6.3650e+01	-3.3504e+03	-1.0216e+04
	366	-2.8444e+03	6.4249e+01	-2.0370e+01	6.3650e+01	-3.1679e+03	-1.0343e+04
854	298	2.3123e+03	6.4164e+02	-4.8877e+01	-9.1409e+01	8.1270e+03	1.0194e+05
	364	-2.3123e+03	-6.4164e+02	4.8877e+01	9.1409e+01	7.5138e+03	1.0339e+05
855	309	5.2404e+03	5.7077e+02	-1.7338e+02	-7.7459e+01	2.7726e+04	9.1221e+04
	363	-5.2404e+03	-5.7077e+02	1.7338e+02	7.7459e+01	2.7756e+04	9.1426e+04
856	306	1.8957e+03	-4.5591e+02	-4.3300e+01	-9.1409e+01	6.4576e+03	-7.2783e+04
	362	-1.8957e+03	4.5591e+02	4.3300e+01	9.1409e+01	7.3982e+03	-7.3108e+04
857	315	3.1591e+03	-2.7346e+01	-8.3477e+01	-9.1409e+01	1.3430e+04	-4.8562e+03
	361	-3.1591e+03	2.7346e+01	8.3477e+01	9.1409e+01	1.3283e+04	-3.8944e+03
858	311	3.3309e+03	9.5589e+01	5.9372e+00	-9.1409e+01	-8.1183e+02	1.5485e+04
	356	-3.3309e+03	-9.5589e+01	-5.9372e+00	9.1409e+01	-1.0881e+03	1.5103e+04
859	303	1.4550e+03	1.5707e+01	1.7499e+02	-6.3650e+01	-2.7759e+04	2.3516e+03
	355	-1.4550e+03	-1.5707e+01	-1.7499e+02	6.3650e+01	-2.8237e+04	2.6746e+03
860	310	3.4793e+03	-6.6359e+01	5.1596e+00	-9.1409e+01	-2.0442e+02	-1.0786e+04
	354	-3.4793e+03	6.6359e+01	-5.1596e+00	9.1409e+01	-1.4466e+03	-1.0449e+04
861	313	4.3430e+03	-4.9889e+01	4.1404e+01	-9.1409e+01	-6.5863e+03	-8.2676e+03
	353	-4.3430e+03	4.9889e+01	-4.1404e+01	9.1409e+01	-6.6628e+03	-7.6970e+03
862	308	3.9345e+03	-1.2938e+02	8.6063e+01	-9.1409e+01	-1.4132e+04	-2.0639e+04
	352	-3.9345e+03	1.2938e+02	-8.6063e+01	9.1409e+01	-1.3408e+04	-2.0761e+04
863	301	4.4194e+03	1.7875e+02	1.7886e+02	-9.1409e+01	-2.8136e+04	2.6176e+04
	350	-4.4194e+03	-1.7875e+02	-1.7886e+02	9.1409e+01	-2.9099e+04	3.1023e+04
864	300	2.8471e+03	6.6917e+01	2.3028e+01	-6.3650e+01	-3.5664e+03	1.0593e+04
	349	-2.8471e+03	-6.6917e+01	-2.3028e+01	6.3650e+01	-3.8026e+03	1.0820e+04
865	312	3.0087e+03	5.8030e+01	3.6556e+01	-9.1409e+01	-5.6754e+03	9.6694e+03
	348	-3.0087e+03	-5.8030e+01	-3.6556e+01	9.1409e+01	-6.0226e+03	8.9001e+03
866	316	5.5158e+03	-3.4465e+02	-1.7370e+02	-9.1409e+01	2.8022e+04	-5.4671e+04
	347	-5.5158e+03	3.4465e+02	1.7370e+02	9.1409e+01	2.7561e+04	-5.5618e+04
867	304	3.3038e+02	-1.5693e+01	-1.2635e+02	-6.3650e+01	2.0172e+04	-2.6116e+03
	339	-3.3038e+02	1.5693e+01	1.2635e+02	6.3650e+01	2.0259e+04	-2.4102e+03
868	305	1.8395e+03	-3.3022e+02	8.5937e+01	-9.1409e+01	-1.3365e+04	-5.1885e+04
	338	-1.8395e+03	3.3022e+02	-8.5937e+01	9.1409e+01	-1.4135e+04	-5.3784e+04
869	299	7.8801e+01	-5.1487e+00	-8.0682e+01	-6.3650e+01	1.2913e+04	-8.7635e+02
	334	-7.8801e+01	5.1487e+00	8.0682e+01	6.3650e+01	1.2905e+04	-7.7124e+02
870	265	2.4357e+03	-7.7071e+01	-1.7525e+02	-4.9627e+01	2.8983e+04	-1.2112e+04
	333	-2.4357e+03	7.7071e+01	1.7525e+02	4.9627e+01	2.7096e+04	-1.2551e+04
871	264	6.3217e+02	-6.0759e+01	-6.0624e+01	-4.9627e+01	9.9761e+03	-9.4408e+03
	332	-6.3217e+02	6.0759e+01	6.0624e+01	4.9627e+01	9.4238e+03	-1.0002e+04
872	238	4.6527e+03	-9.9075e+00	-2.0987e+01	-3.4556e+01	3.5712e+03	-1.6621e+03
	331	-4.6527e+03	9.9075e+00	2.0987e+01	3.4556e+01	3.1446e+03	-1.5083e+03
873	234	8.7349e+03	-8.7059e+01	2.6175e+02	-4.9627e+01	-4.4114e+04	-1.4217e+04
	329	-8.7349e+03	8.7059e+01	-2.6175e+02	4.9627e+01	-3.9647e+04	-1.3641e+04
874	242	6.7594e+03	-1.2393e+02	-7.1146e+01	-4.9627e+01	1.1455e+04	-2.1737e+04
	328	-6.7594e+03	1.2393e+02	7.1146e+01	4.9627e+01	1.1312e+04	-1.7920e+04
875	240	5.8584e+03	-8.4388e+00	-1.5821e+02	-4.9627e+01	2.5339e+04	-1.6401e+03

	327	-5.8584e+03	8.4388e+00	1.5821e+02	4.9627e+01	2.5288e+04	-1.0604e+03
876	233	9.6597e+02	6.4652e+01	-5.0211e+01	-4.9627e+01	8.2842e+03	9.7049e+03
	325	-9.6597e+02	-6.4652e+01	5.0211e+01	4.9627e+01	7.7833e+03	1.0984e+04
877	244	4.6697e+03	2.2291e+01	-2.5220e+01	-3.4556e+01	4.4008e+03	3.2854e+03
	324	-4.6697e+03	-2.2291e+01	2.5220e+01	3.4556e+01	3.6696e+03	3.8477e+03
878	235	7.5259e+03	8.0300e+01	-8.5329e-01	-4.9627e+01	-9.8537e+02	1.2194e+04
	323	-7.5259e+03	-8.0300e+01	8.5329e-01	4.9627e+01	1.2584e+03	1.3502e+04
879	245	6.3700e+03	2.3963e+01	-8.0804e+01	-4.9627e+01	1.3076e+04	3.2713e+03
	322	-6.3700e+03	-2.3963e+01	8.0804e+01	4.9627e+01	1.2781e+04	4.3971e+03
880	239	4.6300e+03	-2.7933e+01	-2.0133e+01	-3.4556e+01	3.4511e+03	-4.7514e+03
	319	-4.6300e+03	2.7933e+01	2.0133e+01	3.4556e+01	2.9914e+03	-4.1870e+03
881	241	6.8634e+03	1.4812e+02	-5.0205e+01	-4.9627e+01	8.2055e+03	2.3955e+04
	318	-6.8634e+03	-1.4812e+02	5.0205e+01	4.9627e+01	7.8600e+03	2.3444e+04
882	236	5.1674e+03	1.5800e+02	-3.4833e+01	-3.4556e+01	6.0309e+03	2.6037e+04
	317	-5.1674e+03	-1.5800e+02	3.4833e+01	3.4556e+01	5.1158e+03	2.4523e+04
883	243	9.5619e+03	-3.2837e+02	-1.3620e+02	-4.9627e+01	2.0068e+04	-5.2292e+04
	316	-9.5619e+03	3.2837e+02	1.3620e+02	4.9627e+01	2.3517e+04	-5.2788e+04
884	246	6.3121e+03	-3.0018e+01	-7.8296e+01	-4.9627e+01	1.2646e+04	-5.2412e+03
	315	-6.3121e+03	3.0018e+01	7.8296e+01	4.9627e+01	1.2409e+04	-4.3645e+03
885	251	4.2954e+03	-5.8714e+01	2.7078e+01	-3.4556e+01	-4.2272e+03	-9.1901e+03
	314	-4.2954e+03	5.8714e+01	-2.7078e+01	3.4556e+01	-4.4379e+03	-9.5982e+03
886	253	7.3143e+03	-6.3619e+01	3.9850e+01	-4.9627e+01	-6.0441e+03	-1.0744e+04
	313	-7.3143e+03	6.3619e+01	-3.9850e+01	4.9627e+01	-6.7078e+03	-9.6138e+03
887	261	6.1261e+03	5.9781e+01	3.8606e+01	-4.9627e+01	-5.8624e+03	9.0977e+03
	312	-6.1261e+03	-5.9781e+01	-3.8606e+01	4.9627e+01	-6.4914e+03	1.0032e+04
888	257	6.5854e+03	1.0816e+02	7.2694e+00	-4.9627e+01	-7.1130e+02	1.7643e+04
	311	-6.5854e+03	-1.0816e+02	-7.2694e+00	4.9627e+01	-1.6149e+03	1.6968e+04
889	247	5.1792e+03	-5.8706e+01	9.1794e-01	-4.9627e+01	-1.2894e+02	-9.6672e+03
	310	-5.1792e+03	5.8706e+01	-9.1794e-01	4.9627e+01	-1.6480e+02	-9.1188e+03
890	248	9.0968e+03	5.8283e+02	-1.6341e+02	-4.2053e+01	2.6270e+04	9.3689e+04
	309	-9.0968e+03	-5.8283e+02	1.6341e+02	4.2053e+01	2.6021e+04	9.2816e+04
891	255	6.3502e+03	-1.2866e+02	1.0167e+02	-4.9627e+01	-1.6411e+04	-2.0683e+04
	308	-6.3502e+03	1.2866e+02	-1.0167e+02	4.9627e+01	-1.6125e+04	-2.0490e+04
892	256	5.2354e+03	1.0930e+02	2.0507e+01	-3.4556e+01	-3.3540e+03	1.7915e+04
	307	-5.2354e+03	-1.0930e+02	-2.0507e+01	3.4556e+01	-3.2083e+03	1.7062e+04
893	258	2.8256e+03	-4.3442e+02	-3.6370e+01	-4.9627e+01	6.1977e+03	-6.8923e+04
	306	-2.8256e+03	4.3442e+02	3.6370e+01	4.9627e+01	5.4408e+03	-7.0093e+04
894	260	4.0001e+03	-3.1902e+02	8.0657e+01	-4.9627e+01	-1.2593e+04	-5.1541e+04
	305	-4.0001e+03	3.1902e+02	-8.0657e+01	4.9627e+01	-1.3218e+04	-5.0544e+04
895	262	5.1942e+02	-1.5937e+01	-1.1420e+02	-3.4556e+01	1.8083e+04	-2.7013e+03
	304	-5.1942e+02	1.5937e+01	1.1420e+02	3.4556e+01	1.8460e+04	-2.3986e+03
896	250	2.1104e+03	1.5689e+01	1.7577e+02	-3.4556e+01	-2.7975e+04	2.6322e+03
	303	-2.1104e+03	-1.5689e+01	-1.7577e+02	3.4556e+01	-2.8271e+04	2.3884e+03
897	254	4.2949e+03	-4.8956e+01	7.3437e+01	-3.4556e+01	-1.1555e+04	-7.8883e+03
	302	-4.2949e+03	4.8956e+01	-7.3437e+01	3.4556e+01	-1.1945e+04	-7.7777e+03
898	259	6.6722e+03	1.7194e+02	1.7784e+02	-4.9627e+01	-2.8534e+04	2.9369e+04
	301	-6.6722e+03	-1.7194e+02	-1.7784e+02	4.9627e+01	-2.8376e+04	2.5652e+04
899	252	4.2914e+03	5.8858e+01	3.0595e+01	-3.4556e+01	-4.9455e+03	9.0464e+03
	300	-4.2914e+03	-5.8858e+01	-3.0595e+01	3.4556e+01	-4.8447e+03	9.7880e+03
900	263	1.2809e+02	-2.9142e+00	-7.2167e+01	-3.4556e+01	1.1458e+04	-5.2859e+02

	299	-1.2809e+02	2.9142e+00	7.2167e+01	3.4556e+01	1.1635e+04	-4.0396e+02
901	249	3.5507e+03	6.2089e+02	-4.8104e+01	-4.9627e+01	8.0104e+03	9.8431e+04
	298	-3.5507e+03	-6.2089e+02	4.8104e+01	4.9627e+01	7.3829e+03	1.0025e+05
902	142	3.0440e+03	-4.9199e+01	-8.4908e+01	3.1410e+01	9.1051e+03	-8.2887e+03
	265	-3.0440e+03	4.9199e+01	8.4908e+01	-3.1410e+01	1.8830e+04	-7.8976e+03
903	143	7.8480e+02	-3.6882e+01	-4.9449e+01	3.1410e+01	8.1279e+03	-6.5048e+03
	264	-7.8480e+02	3.6882e+01	4.9449e+01	-3.1410e+01	8.1409e+03	-5.6295e+03
904	144	1.8415e+02	-4.2620e+00	-5.5962e+01	2.1871e+01	9.2621e+03	-1.4254e+03
	263	-1.8415e+02	4.2620e+00	5.5962e+01	-2.1871e+01	9.1496e+03	2.3216e+01
905	145	7.4099e+02	-1.0921e+01	-6.3694e+01	2.1871e+01	8.9324e+03	-2.1114e+03
	262	-7.4099e+02	1.0921e+01	6.3694e+01	-2.1871e+01	1.2023e+04	-1.4816e+03
906	138	9.2964e+03	2.7550e+01	4.9385e+01	3.1410e+01	-8.0813e+03	2.4678e+03
	261	-9.2964e+03	-2.7550e+01	-4.9385e+01	-3.1410e+01	-8.1662e+03	6.5960e+03
907	140	6.2499e+03	-1.9601e+02	7.4967e+01	3.1410e+01	-1.1849e+04	-2.6414e+04
	260	-6.2499e+03	1.9601e+02	-7.4967e+01	-3.1410e+01	-1.2815e+04	-3.8073e+04
908	139	8.9575e+03	6.9838e+01	1.2788e+02	3.1410e+01	-1.8103e+04	3.4506e+03
	259	-8.9575e+03	-6.9838e+01	-1.2788e+02	-3.1410e+01	-2.3971e+04	1.9526e+04
909	141	3.5555e+03	-2.2914e+02	-3.3791e+01	3.1410e+01	5.6266e+03	-2.9035e+04
	258	-3.5555e+03	2.2914e+02	3.3791e+01	-3.1410e+01	5.4908e+03	-4.6353e+04
910	137	9.8675e+03	8.7275e+01	2.6947e+01	3.1410e+01	-4.8105e+03	1.2309e+04
	257	-9.8675e+03	-8.7275e+01	-2.6947e+01	-3.1410e+01	-4.0551e+03	1.6404e+04
911	136	7.0246e+03	7.3513e+01	-1.4701e+00	2.1871e+01	2.4281e+03	9.6465e+03
	256	-7.0246e+03	-7.3513e+01	1.4701e+00	-2.1871e+01	-1.9445e+03	1.4539e+04
912	131	8.7480e+03	-6.6344e+01	6.5769e+01	3.1410e+01	-8.3874e+03	-8.2242e+03
	255	-8.7480e+03	6.6344e+01	-6.5769e+01	-3.1410e+01	-1.3251e+04	-1.3603e+04
913	132	5.7189e+03	-3.4036e+01	5.7129e+01	2.1871e+01	-8.3263e+03	-5.1655e+03
	254	-5.7189e+03	3.4036e+01	-5.7129e+01	-2.1871e+01	-1.0469e+04	-6.0324e+03
914	130	1.0343e+04	-5.4143e+01	4.7227e+01	3.1410e+01	-8.1496e+03	-8.6268e+03
	253	-1.0343e+04	5.4143e+01	-4.7227e+01	-3.1410e+01	-7.3882e+03	-9.1864e+03
915	135	5.7230e+03	2.1901e+01	2.6223e+01	2.1871e+01	-3.2584e+03	1.7166e+03
	252	-5.7230e+03	-2.1901e+01	-2.6223e+01	-2.1871e+01	-5.3690e+03	5.4889e+03
916	133	5.7775e+03	-3.9373e+01	1.2676e+01	2.1871e+01	-7.9930e+02	-6.0734e+03
	251	-5.7775e+03	3.9373e+01	-1.2676e+01	-2.1871e+01	-3.3710e+03	-6.8801e+03
917	134	2.7346e+03	5.1272e+00	1.3441e+02	2.1871e+01	-1.9705e+04	-1.5106e+02
	250	-2.7346e+03	-5.1272e+00	-1.3441e+02	-2.1871e+01	-2.4517e+04	1.8379e+03
918	147	4.6253e+03	3.1571e+02	-3.6279e+01	3.1410e+01	6.3275e+03	3.5629e+04
	249	-4.6253e+03	-3.1571e+02	3.6279e+01	-3.1410e+01	5.6084e+03	6.8238e+04
919	148	1.3219e+04	2.2072e+02	-1.0486e+02	2.6616e+01	1.5508e+04	1.5865e+04
	248	-1.3219e+04	-2.2072e+02	1.0486e+02	-2.6616e+01	1.8990e+04	5.6751e+04
920	152	6.7903e+03	-1.4125e+01	-1.3164e+01	3.1410e+01	3.6367e+03	-1.7880e+03
	247	-6.7903e+03	1.4125e+01	1.3164e+01	-3.1410e+01	6.9430e+02	-2.8590e+03
921	153	9.4674e+03	-1.1884e+01	-6.7633e+01	3.1410e+01	1.1474e+04	-2.5055e+03
	246	-9.4674e+03	1.1884e+01	6.7633e+01	-3.1410e+01	1.0777e+04	-1.4045e+03
922	155	9.5377e+03	2.1516e+01	-6.8722e+01	3.1410e+01	1.1790e+04	2.0788e+03
	245	-9.5377e+03	-2.1516e+01	6.8722e+01	-3.1410e+01	1.0819e+04	5.0001e+03
923	159	6.2183e+03	1.3847e+01	-1.4495e+01	2.1871e+01	2.3559e+03	1.0434e+03
	244	-6.2183e+03	-1.3847e+01	1.4495e+01	-2.1871e+01	2.4129e+03	3.5123e+03
924	161	1.3860e+04	-9.0612e+01	-3.4228e+02	3.1410e+01	7.1304e+04	-3.3090e+03
	243	-1.3860e+04	9.0612e+01	3.4228e+02	-3.1410e+01	4.1307e+04	-2.6502e+04
925	151	1.0248e+04	-4.9761e+01	-7.3786e+01	3.1410e+01	1.3134e+04	-4.3412e+03

	242	-1.0248e+04	4.9761e+01	7.3786e+01	-3.1410e+01	1.1141e+04	-1.2030e+04
926	156	1.0216e+04	1.0831e+02	-4.6873e+01	3.1410e+01	8.6886e+03	1.3767e+04
	241	-1.0216e+04	-1.0831e+02	4.6873e+01	-3.1410e+01	6.7327e+03	2.1869e+04
927	154	8.8649e+03	-1.4552e+01	-1.0234e+02	3.1410e+01	1.5101e+04	-4.4281e+03
	240	-8.8649e+03	1.4552e+01	1.0234e+02	-3.1410e+01	1.8569e+04	-3.5950e+02
928	157	6.1882e+03	-1.6915e+01	-1.6346e+01	2.1871e+01	2.9761e+03	-3.0596e+03
	239	-6.1882e+03	1.6915e+01	1.6346e+01	-2.1871e+01	2.4018e+03	-2.5056e+03
929	158	6.2157e+03	-1.0813e+01	-1.6100e+01	2.1871e+01	2.9875e+03	-2.8790e+03
	238	-6.2157e+03	1.0813e+01	1.6100e+01	-2.1871e+01	2.3096e+03	-6.7834e+02
930	160	6.9914e+03	9.7050e+01	-1.5340e+01	2.1871e+01	2.0383e+03	1.1141e+04
	236	-6.9914e+03	-9.7050e+01	1.5340e+01	-2.1871e+01	3.0087e+03	2.0788e+04
931	149	1.0597e+04	3.9903e+01	-5.7044e+01	3.1410e+01	1.4093e+04	2.9620e+03
	235	-1.0597e+04	-3.9903e+01	5.7044e+01	-3.1410e+01	4.6748e+03	1.0166e+04
932	150	1.2602e+04	-4.5591e+01	6.7019e+01	3.1410e+01	1.8531e+03	-7.2148e+03
	234	-1.2602e+04	4.5591e+01	-6.7019e+01	-3.1410e+01	-2.3902e+04	-7.7847e+03
933	146	1.2460e+03	3.6462e+01	-3.7355e+01	3.1410e+01	6.3962e+03	3.8131e+03
	233	-1.2460e+03	-3.6462e+01	3.7355e+01	-3.1410e+01	5.8935e+03	8.1830e+03
934	127	8.3928e+02	1.6450e+02	-4.1434e+02	7.8130e+01	7.1462e+04	3.2486e+04
	195	-8.3928e+02	-1.6450e+02	4.1434e+02	-7.8130e+01	6.5270e+04	2.1799e+04
935	126	9.3648e+02	-1.0511e+02	-3.5431e+02	7.8130e+01	6.1582e+04	-1.8439e+04
	194	-9.3648e+02	1.0511e+02	3.5431e+02	-7.8130e+01	5.5339e+04	-1.6247e+04
936	51	1.0054e+04	4.5943e+02	7.9173e+01	7.8130e+01	-1.6426e+04	9.6095e+04
	160	-1.0054e+04	-4.5943e+02	-7.9173e+01	-7.8130e+01	-9.7012e+03	5.5516e+04
937	50	9.1097e+03	1.1089e+02	4.1445e+01	7.8130e+01	-8.9986e+03	2.1572e+04
	159	-9.1097e+03	-1.1089e+02	-4.1445e+01	-7.8130e+01	-4.6783e+03	1.5023e+04
938	49	9.0716e+03	1.0059e+02	3.1659e+01	7.8130e+01	-7.8641e+03	2.3095e+04
	158	-9.0716e+03	-1.0059e+02	-3.1659e+01	-7.8130e+01	-2.5834e+03	1.0099e+04
939	48	9.1769e+03	-6.4761e+01	3.5869e+01	7.8130e+01	-8.7513e+03	-1.5330e+04
	157	-9.1769e+03	6.4761e+01	-3.5869e+01	-7.8130e+01	-3.0855e+03	-6.0412e+03
940	47	1.0627e+04	4.9994e+02	-2.3600e+02	7.8130e+01	4.7922e+04	1.0386e+05
	156	-1.0627e+04	-4.9994e+02	2.3600e+02	-7.8130e+01	2.9956e+04	6.1123e+04
941	46	9.7086e+03	1.1275e+02	-2.3570e+02	7.8130e+01	4.6548e+04	2.1022e+04
	155	-9.7086e+03	-1.1275e+02	2.3570e+02	-7.8130e+01	3.1232e+04	1.6186e+04
942	45	9.0200e+03	8.4753e+01	-2.2351e+02	7.8130e+01	4.4402e+04	1.8879e+04
	154	-9.0200e+03	-8.4753e+01	2.2351e+02	-7.8130e+01	2.9356e+04	9.0892e+03
943	44	9.5674e+03	-3.0064e+01	-2.2569e+02	7.8130e+01	4.4601e+04	-9.3375e+03
	153	-9.5674e+03	3.0064e+01	2.2569e+02	-7.8130e+01	2.9877e+04	-5.8349e+02
944	43	9.6863e+03	6.2085e+01	4.1559e+00	7.8130e+01	-2.9961e+03	9.7360e+03
	152	-9.6863e+03	-6.2085e+01	-4.1559e+00	-7.8130e+01	1.6247e+03	1.0752e+04
945	42	1.0218e+04	1.3022e+02	-2.5590e+02	7.8130e+01	4.9527e+04	2.3103e+04
	151	-1.0218e+04	-1.3022e+02	2.5590e+02	-7.8130e+01	3.4921e+04	1.9871e+04
946	41	1.4732e+04	9.2769e+01	-1.8024e+02	7.8130e+01	2.5753e+04	1.9806e+04
	150	-1.4732e+04	-9.2769e+01	1.8024e+02	-7.8130e+01	3.3725e+04	1.0808e+04
947	40	1.2891e+04	2.4017e+01	-1.6879e+02	7.8130e+01	2.5323e+04	2.7863e+03
	149	-1.2891e+04	-2.4017e+01	1.6879e+02	-7.8130e+01	3.0378e+04	5.1393e+03
948	39	1.7891e+04	8.3683e+02	-1.4932e+02	7.8130e+01	2.7052e+04	1.9936e+05
	148	-1.7891e+04	-8.3683e+02	1.4932e+02	-7.8130e+01	2.2223e+04	7.6793e+04
949	38	5.1656e+03	5.3680e+02	-7.2373e+01	7.8130e+01	1.3791e+04	1.1265e+05
	147	-5.1656e+03	-5.3680e+02	7.2373e+01	-7.8130e+01	1.0092e+04	6.4492e+04
950	37	1.5329e+03	9.4269e+01	-5.2844e+01	7.8130e+01	9.5116e+03	1.6832e+04

	146	-1.5329e+03	-9.4269e+01	5.2844e+01	-7.8130e+01	7.9268e+03	1.4277e+04
951	36	9.5576e+02	2.0722e+01	-3.0818e+01	7.8130e+01	4.2812e+03	3.0929e+03
	145	-9.5576e+02	-2.0722e+01	3.0818e+01	-7.8130e+01	5.8888e+03	3.7453e+03
952	35	2.8140e+02	3.8635e+01	-7.0393e+01	7.8130e+01	1.0464e+04	7.1942e+03
	144	-2.8140e+02	-3.8635e+01	7.0393e+01	-7.8130e+01	1.2766e+04	5.5554e+03
953	34	9.2530e+02	8.6371e+01	-5.3485e+01	7.8130e+01	8.8111e+03	1.8931e+04
	143	-9.2530e+02	-8.6371e+01	5.3485e+01	-7.8130e+01	8.8391e+03	9.5710e+03
954	33	3.1717e+03	-8.8989e+00	-2.3080e+01	7.8130e+01	7.0417e+03	-1.6487e+03
	142	-3.1717e+03	8.8989e+00	2.3080e+01	-7.8130e+01	5.7453e+02	-1.2879e+03
955	32	3.8617e+03	-3.4598e+02	-3.7831e+01	7.8130e+01	6.6645e+03	-7.4628e+04
	141	-3.8617e+03	3.4598e+02	3.7831e+01	-7.8130e+01	5.8196e+03	-3.9544e+04
956	31	6.2286e+03	-1.2323e+02	2.0509e+02	7.8130e+01	-3.7193e+04	-2.3244e+04
	140	-6.2286e+03	1.2323e+02	-2.0509e+02	-7.8130e+01	-3.0485e+04	-1.7423e+04
957	30	9.3852e+03	2.6254e+01	2.5510e+02	7.8130e+01	-4.7423e+04	7.8413e+03
	139	-9.3852e+03	-2.6254e+01	-2.5510e+02	-7.8130e+01	-3.6761e+04	8.2264e+02
958	29	9.5423e+03	2.3069e+02	1.9342e+02	7.8130e+01	-3.6219e+04	4.8107e+04
	138	-9.5423e+03	-2.3069e+02	-1.9342e+02	-7.8130e+01	-2.7608e+04	2.8020e+04
959	28	1.0320e+04	3.2930e+02	1.5489e+02	7.8130e+01	-2.9103e+04	6.4785e+04
	137	-1.0320e+04	-3.2930e+02	-1.5489e+02	-7.8130e+01	-2.2012e+04	4.3882e+04
960	27	9.3644e+03	2.1507e+02	6.1287e+00	7.8130e+01	-4.3745e+03	3.8720e+04
	136	-9.3644e+03	-2.1507e+02	-6.1287e+00	-7.8130e+01	2.3520e+03	3.2254e+04
961	26	8.3547e+03	1.3222e+02	1.3037e+02	7.8130e+01	-2.6095e+04	2.7355e+04
	135	-8.3547e+03	-1.3222e+02	-1.3037e+02	-7.8130e+01	-1.6926e+04	1.6277e+04
962	582	5.5628e+03	4.4570e+01	3.0548e+02	7.8130e+01	-5.4686e+04	7.9348e+03
	134	-5.5628e+03	-4.4570e+01	-3.0548e+02	-7.8130e+01	-4.6121e+04	6.7732e+03
963	469	9.2590e+03	-1.9422e+01	1.8703e+02	7.8130e+01	-4.0872e+04	-2.9648e+03
	133	-9.2590e+03	1.9422e+01	-1.8703e+02	-7.8130e+01	-2.0848e+04	-3.4444e+03
964	23	8.4927e+03	-6.8365e+01	2.0126e+02	7.8130e+01	-3.8183e+04	-1.4919e+04
	132	-8.4927e+03	6.8365e+01	-2.0126e+02	-7.8130e+01	-2.8232e+04	-7.6415e+03
965	22	1.0999e+04	2.5709e+01	1.6527e+02	7.8130e+01	-3.2703e+04	3.3699e+03
	131	-1.0999e+04	-2.5709e+01	-1.6527e+02	-7.8130e+01	-2.1836e+04	5.1140e+03
966	21	1.2310e+04	-8.7184e+01	2.4344e+02	7.8130e+01	-4.6961e+04	-1.9243e+04
	130	-1.2310e+04	8.7184e+01	-2.4344e+02	-7.8130e+01	-3.3375e+04	-9.5276e+03
361	256	0.0000e+00	1.0314e+03	-8.8855e+01	-5.5895e+02	1.3107e+04	7.7520e+04
	2	0.0000e+00	5.5433e+02	8.8855e+01	5.5895e+02	1.5358e+04	-1.1038e+03
362	252	0.0000e+00	7.8842e+02	-5.1185e-01	-3.4017e+02	7.4962e+02	4.3726e+04
	256	0.0000e+00	7.8568e+02	5.1185e-01	3.4017e+02	-5.8685e+02	-4.3289e+04
363	250	-1.1369e-13	8.7640e+02	-3.3282e+01	-5.5676e+03	5.6448e+03	5.6868e+04
	252	1.1369e-13	6.9770e+02	3.3282e+01	5.5676e+03	4.9388e+03	-2.8455e+04
364	251	0.0000e+00	6.8087e+02	3.9552e+01	5.9072e+03	-5.5375e+03	2.6848e+04
	250	0.0000e+00	8.9323e+02	-3.9552e+01	-5.9072e+03	-7.0400e+03	-6.0613e+04
365	254	1.1369e-13	8.0754e+02	-1.1805e+00	-1.6911e+03	1.4071e+02	4.3948e+04
	251	-1.1369e-13	8.0121e+02	1.1805e+00	1.6911e+03	2.4294e+02	-4.2918e+04
366	255	0.0000e+00	7.6725e+02	1.7515e+01	-4.7710e+02	-2.7005e+03	3.7400e+04
	254	0.0000e+00	8.6130e+02	-1.7515e+01	4.7710e+02	-3.0620e+03	-5.2870e+04
367	253	0.0000e+00	1.4695e+03	1.0369e+01	2.3955e+03	-1.8894e+03	7.0421e+04
	255	0.0000e+00	1.5252e+03	-1.0369e+01	-2.3955e+03	-1.2473e+03	-7.8841e+04
368	59	0.0000e+00	1.4739e+03	2.5074e+01	9.5236e+02	-5.5196e+03	6.5163e+04
	253	0.0000e+00	1.6086e+03	-2.5074e+01	-9.5236e+02	-2.2875e+03	-8.6122e+04
377	54	-1.1369e-13	4.5960e+02	1.2414e+02	8.7791e+02	-2.1461e+04	-1.5280e+04

	236	1.1369e-13	1.1261e+03	-1.2414e+02	-8.7791e+02	-1.8309e+04	-9.1484e+04
378	236	1.1369e-13	7.6044e+02	9.9109e+00	-4.0470e+02	1.5592e+01	4.1756e+04
	244	-1.1369e-13	8.1366e+02	-9.9109e+00	4.0470e+02	-3.1673e+03	-5.0216e+04
379	244	0.0000e+00	7.9069e+02	-1.3554e+00	-2.3527e+02	5.0921e+02	4.3081e+04
	238	0.0000e+00	7.8341e+02	1.3554e+00	2.3527e+02	-7.8202e+01	-4.1924e+04
380	238	0.0000e+00	7.9989e+02	-4.7840e+00	2.1584e+01	9.8460e+02	4.4357e+04
	239	0.0000e+00	7.7421e+02	4.7840e+00	-2.1584e+01	5.3672e+02	-4.0273e+04
381	239	1.1369e-13	8.3909e+02	-3.2524e+00	-8.8947e+02	5.4728e+02	4.7900e+04
	247	-1.1369e-13	8.2163e+02	3.2524e+00	8.8947e+02	5.4390e+02	-4.4971e+04
382	247	0.0000e+00	8.6655e+02	-3.8834e+01	-9.8518e+03	6.1394e+03	5.5613e+04
	234	0.0000e+00	6.5805e+02	3.8834e+01	9.8518e+03	5.8215e+03	-2.3503e+04
383	234	1.1369e-13	1.4930e+03	2.0998e+01	9.1631e+03	-4.1660e+03	6.9641e+04
	235	-1.1369e-13	1.6057e+03	-2.0998e+01	-9.1631e+03	-2.4065e+03	-8.7285e+04
384	235	0.0000e+00	1.4866e+03	2.0371e+01	1.4898e+03	-4.0166e+03	6.9198e+04
	56	0.0000e+00	1.5959e+03	-2.0371e+01	-1.4898e+03	-2.3261e+03	-8.6225e+04
446	307	0.0000e+00	1.0094e+03	-8.0664e+01	5.7657e+01	1.2043e+04	7.4664e+04
	165	0.0000e+00	5.7632e+02	8.0664e+01	-5.7657e+01	1.3798e+04	-5.2916e+03
447	300	0.0000e+00	8.0441e+02	-6.4674e+00	-3.7289e+02	1.3995e+03	4.5471e+04
	307	0.0000e+00	7.6969e+02	6.4674e+00	3.7289e+02	6.5709e+02	-3.9950e+04
448	303	2.8422e-14	9.0620e+02	-4.4384e+01	-5.8567e+03	7.5935e+03	6.2099e+04
	300	-2.8422e-14	6.6790e+02	4.4384e+01	5.8567e+03	6.5205e+03	-2.4209e+04
449	314	0.0000e+00	6.5246e+02	5.0136e+01	5.9695e+03	-7.1897e+03	2.2412e+04
	303	0.0000e+00	9.2164e+02	-5.0136e+01	-5.9695e+03	-8.7534e+03	-6.5213e+04
450	302	2.8422e-14	8.1024e+02	-2.1839e+00	-1.8188e+03	2.0926e+02	4.4132e+04
	314	-2.8422e-14	7.9851e+02	2.1839e+00	1.8188e+03	5.0049e+02	-4.2227e+04
451	308	5.6843e-14	7.5419e+02	2.2380e+01	-4.1748e+01	-3.4986e+03	3.5257e+04
	302	-5.6843e-14	8.7436e+02	-2.2380e+01	4.1748e+01	-3.8644e+03	-5.5024e+04
452	313	-2.8422e-14	1.4483e+03	1.8279e+01	1.8140e+03	-3.1797e+03	6.6957e+04
	308	2.8422e-14	1.5464e+03	-1.8279e+01	-1.8140e+03	-2.3496e+03	-8.1800e+04
453	80	2.8422e-14	1.5048e+03	1.3584e+01	7.5058e+02	-3.8150e+03	6.9739e+04
	313	-2.8422e-14	1.5777e+03	-1.3584e+01	-7.5058e+02	-4.1450e+02	-8.1093e+04
462	125	-8.5265e-14	4.9924e+02	1.0938e+02	7.9020e+02	-1.8592e+04	-7.5784e+03
	317	8.5265e-14	1.0865e+03	-1.0938e+02	-7.9020e+02	-1.6447e+04	-8.6486e+04
463	317	5.6843e-14	7.4360e+02	1.6185e+01	-2.7077e+02	-1.3685e+03	3.8040e+04
	324	-5.6843e-14	8.3050e+02	-1.6185e+01	2.7077e+02	-3.7784e+03	-5.1857e+04
464	324	2.8422e-14	7.9717e+02	-3.7708e+00	-1.3589e+01	9.6933e+02	4.4316e+04
	331	-2.8422e-14	7.7693e+02	3.7708e+00	1.3589e+01	2.2979e+02	-4.1097e+04
465	331	0.0000e+00	8.0631e+02	-7.1732e+00	-2.4663e+00	1.2880e+03	4.5171e+04
	319	0.0000e+00	7.6779e+02	7.1732e+00	2.4663e+00	9.9305e+02	-3.9048e+04
466	319	2.8422e-14	8.3970e+02	-3.4786e+00	-5.9205e+02	6.3528e+02	4.8137e+04
	310	-2.8422e-14	8.2102e+02	3.4786e+00	5.9205e+02	5.3179e+02	-4.5003e+04
467	310	0.0000e+00	9.2186e+02	-5.9436e+01	-7.1444e+03	9.3094e+03	6.4123e+04
	329	0.0000e+00	6.0274e+02	5.9436e+01	7.1444e+03	8.9970e+03	-1.4978e+04
468	329	-2.8422e-14	1.4863e+03	2.3478e+01	7.8480e+03	-4.6248e+03	6.8409e+04
	323	2.8422e-14	1.6124e+03	-2.3478e+01	-7.8480e+03	-2.7237e+03	-8.8136e+04
469	323	-1.7053e-13	1.4665e+03	2.7854e+01	-1.1403e+01	-5.6321e+03	6.4861e+04
	75	1.7053e-13	1.6160e+03	-2.7854e+01	1.1403e+01	-3.0404e+03	-8.8143e+04
564	441	-4.5475e-13	9.5383e+02	5.9958e+01	-6.4072e+02	-8.4233e+03	6.4946e+04
	170	4.5475e-13	6.3191e+02	-5.9958e+01	6.4072e+02	-1.0784e+04	-1.3381e+04
565	459	4.5475e-13	7.7636e+02	-3.9802e+00	-5.4494e+02	4.3143e+02	4.0555e+04

	441	-4.5475e-13	7.9774e+02	3.9802e+00	5.4494e+02	8.3428e+02	-4.3953e+04
566	439	-2.2737e-13	9.1535e+02	4.7790e+01	-6.3712e+03	-8.7065e+03	6.5087e+04
	459	2.2737e-13	6.5875e+02	-4.7790e+01	6.3712e+03	-6.4908e+03	-2.4288e+04
567	444	-2.2737e-13	6.4558e+02	-5.2698e+01	6.1322e+03	7.2359e+03	2.2288e+04
	439	2.2737e-13	9.2852e+02	5.2698e+01	-6.1322e+03	9.5220e+03	-6.7276e+04
568	423	0.0000e+00	8.3608e+02	1.1810e+01	-2.1310e+03	-1.4927e+03	4.7578e+04
	444	0.0000e+00	7.7267e+02	-1.1810e+01	2.1310e+03	-2.3455e+03	-3.7274e+04
569	468	2.2737e-13	7.5212e+02	-2.3153e+01	5.5014e+02	3.9522e+03	3.4039e+04
	423	-2.2737e-13	8.7643e+02	2.3153e+01	-5.5014e+02	3.6651e+03	-5.4489e+04
570	432	0.0000e+00	6.8441e+02	-2.3942e+01	2.8709e+03	3.7983e+03	2.7550e+04
	468	0.0000e+00	8.1296e+02	2.3942e+01	-2.8709e+03	3.4442e+03	-4.6992e+04
571	84	-4.5475e-13	7.7453e+02	1.4583e+00	1.2419e+03	1.4868e+03	3.5999e+04
	432	4.5475e-13	7.6670e+02	-1.4583e+00	-1.2419e+03	-1.9408e+03	-3.4780e+04
580	163	0.0000e+00	5.8735e+02	-7.6556e+01	2.0377e+03	1.3673e+04	5.6278e+03
	419	0.0000e+00	9.9839e+02	7.6556e+01	-2.0377e+03	1.0852e+04	-7.1467e+04
581	419	4.5475e-13	7.6986e+02	-6.4017e+00	-2.5079e+01	-6.2526e+02	4.3392e+04
	443	-4.5475e-13	8.0424e+02	6.4017e+00	2.5079e+01	2.6610e+03	-4.8857e+04
582	443	0.0000e+00	8.0243e+02	5.7291e+00	1.4553e+03	-1.4018e+03	4.5477e+04
	417	0.0000e+00	7.7167e+02	-5.7291e+00	-1.4553e+03	-4.2009e+02	-4.0586e+04
583	417	0.0000e+00	8.0317e+02	6.0061e+00	-1.3820e+03	-1.1316e+03	4.4752e+04
	438	0.0000e+00	7.7093e+02	-6.0061e+00	1.3820e+03	-7.7833e+02	-3.9624e+04
584	438	-2.2737e-13	8.2714e+02	-1.1990e+00	2.5937e+02	8.0830e+01	4.6214e+04
	448	2.2737e-13	8.3358e+02	1.1990e+00	-2.5937e+02	3.2143e+02	-4.7294e+04
585	448	-2.2737e-13	9.3204e+02	6.3227e+01	8.2426e+03	-9.6896e+03	6.5144e+04
	434	2.2737e-13	5.9256e+02	-6.3227e+01	-8.2426e+03	-9.7842e+03	-1.2865e+04
586	434	-2.2737e-13	7.3047e+02	-1.6468e+01	-6.0518e+03	3.7680e+03	3.0297e+04
	433	2.2737e-13	8.1888e+02	1.6468e+01	6.0518e+03	1.3863e+03	-4.4134e+04
587	433	-2.2737e-13	6.8305e+02	-3.2620e+01	-3.4593e+03	6.3664e+03	2.2899e+04
	79	2.2737e-13	8.5819e+02	3.2620e+01	3.4593e+03	3.7902e+03	-5.0165e+04
597	441	3.6380e-12	-2.7143e+01	-1.0111e+01	-1.6193e+03	8.1585e+02	-2.1902e+03
	424	-3.6380e-12	2.7143e+01	1.0111e+01	1.6193e+03	1.1406e+03	-3.0620e+03
635	367	-5.6843e-14	1.0118e+03	-8.1544e+01	3.5522e+02	1.1735e+04	7.3838e+04
	167	5.6843e-14	5.7396e+02	8.1544e+01	-3.5522e+02	1.4387e+04	-3.7090e+03
636	349	-1.1369e-13	8.1227e+02	-9.3949e+00	-1.8859e+02	1.8202e+03	4.6600e+04
	367	1.1369e-13	7.6183e+02	9.3949e+00	1.8859e+02	1.1673e+03	-3.8580e+04
637	355	5.6843e-14	9.2303e+02	-5.0652e+01	-6.0328e+03	8.5725e+03	6.4727e+04
	349	-5.6843e-14	6.5107e+02	5.0652e+01	6.0328e+03	7.5350e+03	-2.1485e+04
638	366	-5.6843e-14	6.2863e+02	5.9009e+01	6.4505e+03	-8.5168e+03	1.8850e+04
	355	5.6843e-14	9.4547e+02	-5.9009e+01	-6.4505e+03	-1.0248e+04	-6.9226e+04
639	368	-1.1369e-13	8.1120e+02	-2.5406e+00	-2.0962e+03	2.4942e+02	4.4240e+04
	366	1.1369e-13	7.9755e+02	2.5406e+00	2.0962e+03	5.7627e+02	-4.2023e+04
640	352	5.6843e-14	7.5112e+02	2.3526e+01	5.1128e+02	-3.6812e+03	3.4767e+04
	368	-5.6843e-14	8.7743e+02	-2.3526e+01	-5.1128e+02	-4.0589e+03	-5.5546e+04
641	353	5.6843e-14	1.4399e+03	2.1407e+01	1.3240e+03	-3.7222e+03	6.5500e+04
	352	-5.6843e-14	1.5548e+03	-2.1407e+01	-1.3240e+03	-2.7533e+03	-8.2884e+04
642	82	-5.6843e-14	1.5231e+03	6.7450e+00	5.4255e+02	-2.8036e+03	7.2454e+04
	353	5.6843e-14	1.5593e+03	-6.7450e+00	-5.4255e+02	7.0345e+02	-7.8092e+04
651	129	-5.6843e-14	5.0425e+02	1.0751e+02	8.4595e+02	-1.8772e+04	-8.0631e+03
	380	5.6843e-14	1.0815e+03	-1.0751e+02	-8.4595e+02	-1.5669e+04	-8.4396e+04
652	380	-2.2737e-13	7.4063e+02	1.7293e+01	-3.3674e+02	-1.6162e+03	3.7375e+04

	370	2.2737e-13	8.3347e+02	-1.7293e+01	3.3674e+02	-3.8829e+03	-5.2138e+04
653	370	0.0000e+00	8.0248e+02	-5.7472e+00	-1.8623e+02	1.2866e+03	4.5168e+04
	383	0.0000e+00	7.7162e+02	5.7472e+00	1.8623e+02	5.4100e+02	-4.0261e+04
654	383	2.2737e-13	8.1212e+02	-9.3400e+00	1.1733e+02	1.6149e+03	4.6049e+04
	371	-2.2737e-13	7.6198e+02	9.3400e+00	-1.1733e+02	1.3552e+03	-3.8075e+04
655	371	0.0000e+00	8.4036e+02	-3.7238e+00	-1.0623e+03	7.1184e+02	4.8342e+04
	354	0.0000e+00	8.2037e+02	3.7238e+00	1.0623e+03	5.3750e+02	-4.4988e+04
656	354	1.7053e-13	9.4352e+02	-6.7505e+01	-9.2088e+03	1.0589e+04	6.7558e+04
	385	-1.7053e-13	5.8108e+02	6.7505e+01	9.2088e+03	1.0203e+04	-1.1741e+04
657	385	1.1369e-13	1.4865e+03	2.3402e+01	9.2616e+03	-4.7403e+03	6.8099e+04
	386	-1.1369e-13	1.6122e+03	-2.3402e+01	-9.2616e+03	-2.5844e+03	-8.7763e+04
658	386	-9.6634e-13	1.4505e+03	3.3793e+01	1.4680e+03	-6.5099e+03	6.2504e+04
	77	9.6634e-13	1.6320e+03	-3.3793e+01	-1.4680e+03	-4.0118e+03	-9.0750e+04
Elem	Nodo	Nx	Ny	Nxy	Mx	My	Mxy
28	484	2.3685e-16	-1.0651e+00	2.5692e-01	-3.3499e+01	5.4032e+01	1.0863e+02
	482	2.3685e-16	-3.7292e+00	4.8457e-01	-1.5961e+01	7.6571e+01	1.8549e+01
	564	-4.1930e-01	-3.7292e+00	1.7113e+00	-9.8920e+01	-1.6821e+02	3.9306e+01
29	563	2.9463e-01	-6.9811e-02	-6.6781e-01	-1.1247e+02	1.0717e+02	6.3080e+00
	484	2.9463e-01	-2.5106e-01	2.3286e-01	1.1621e+02	1.0812e+02	1.7174e+01
	564	-1.6614e+00	-6.9811e-02	-5.6940e-01	-1.0067e+02	-8.9440e+01	7.3341e+00
30	563	-6.9811e-02	-1.6581e+00	6.9085e-01	8.9396e+01	1.4981e+02	3.9675e+01
	564	-6.9811e-02	-3.1916e+00	5.9244e-01	-9.1897e+01	1.9406e+02	-4.7733e+00
	544	1.1144e-01	-3.1916e+00	1.2986e+00	-1.3283e+02	-2.0011e+02	3.5974e+01
31	543	4.7950e-01	-2.2454e-01	-5.9510e-01	-1.3279e+02	1.6196e+02	1.9946e-01
	563	4.7950e-01	-1.6120e-01	2.4382e-01	1.3332e+02	1.4803e+02	-6.8153e+00
	544	-1.3424e+00	-2.2454e-01	-6.2949e-01	-1.4041e+02	-1.5787e+02	-1.4934e+01
32	543	-2.2454e-01	-2.2878e-01	1.0307e-01	1.2771e+02	1.1439e+02	8.0289e+01
	544	-2.2454e-01	-4.2698e+00	1.3746e-01	-1.5156e+02	2.0053e+02	2.1219e+00
	1	-2.8789e-01	-4.2698e+00	1.9982e+00	-2.2355e+02	-4.7409e+02	8.1455e+01
33	58	6.8146e-01	0.0000e+00	-1.3884e+00	-1.7165e+02	5.4694e+01	5.0461e+01
	543	6.8146e-01	-2.1194e+00	-7.1271e-01	1.2573e+02	2.2955e+02	2.7689e+00
	1	-7.8589e-01	0.0000e+00	-2.3769e-01	-2.2344e+02	6.0081e+01	2.4033e+02
34	523	-2.9466e-02	-3.1655e+00	1.5289e+00	2.4146e+01	-5.1696e+01	-1.5807e+01
	561	-2.9466e-02	1.0555e+00	1.2014e+00	-3.3822e+00	-3.2801e+01	1.8487e+01
	541	5.7858e-01	1.0555e+00	-7.5777e-01	2.8452e+01	-2.8949e+01	3.6028e+01
35	519	-4.0018e+00	-3.7335e-01	-4.7062e-01	3.0504e+01	5.2576e+01	1.8738e+01
	523	-4.0018e+00	4.7878e-01	-1.6433e+00	-3.6984e+01	2.3188e+01	1.3900e+01
	541	-1.4753e+00	-3.7335e-01	-9.2961e-01	2.5293e+01	3.4066e+01	-1.2921e+01
36	519	-3.7335e-01	-1.2083e+00	-1.2812e-01	5.8289e+01	-1.0152e+01	-1.0931e+01
	541	-3.7335e-01	1.0753e+00	3.3086e-01	5.3400e+01	1.8024e+01	-3.6813e+00
	536	-1.2255e+00	1.0753e+00	-7.2902e-01	6.0129e+01	-4.1103e+01	2.2473e+01
37	52	-5.5831e+00	0.0000e+00	-1.8243e-01	-2.0476e+02	-1.7356e+01	-7.9627e+01
	519	-5.5831e+00	-3.7646e+00	-3.7290e+00	1.8341e+01	-7.9054e+00	5.3445e+00
	536	2.0582e+00	0.0000e+00	1.8453e+00	-1.1323e+02	1.3404e+01	-6.9446e+01
38	523	-7.7699e+00	-2.9466e-02	-9.0384e-01	3.2669e+02	-5.3761e+01	-3.5705e+01
	161	-7.7699e+00	5.6295e-16	8.6193e-01	-9.1341e+02	-1.0854e+02	1.5448e+02
	486	1.3370e+00	5.6295e-16	-2.1816e-01	-1.6956e+02	1.5792e+02	2.0831e+02
	561	1.3370e+00	-2.9466e-02	-1.9839e+00	-7.4053e+00	3.2062e+00	1.8127e+01
39	560	-8.1345e-01	-1.5967e-01	-1.0945e+00	-1.2581e+02	4.9073e+00	5.2077e+01
	579	-8.1345e-01	0.0000e+00	-1.1825e+00	-9.5481e+01	5.5562e+01	-1.4622e+01
	161	-7.7699e+00	0.0000e+00	-3.8764e+00	-2.0339e+02	-6.1310e+01	-5.4253e+00
	523	-7.7699e+00	-1.5967e-01	-3.7884e+00	-1.1141e+02	-3.6894e+01	6.1274e+01
40	540	-2.3899e+00	-4.5047e-01	-8.2250e-01	-1.2826e+02	-6.5056e+01	2.9414e+01
	560	-2.3899e+00	-1.5967e-01	-1.5984e+00	-1.2046e+02	-5.8960e+01	5.7025e+01

	523	-4.0018e+00	-1.5967e-01	-1.0417e+00	-8.0683e+01	2.7569e+01	4.6912e+01
	519	-4.0018e+00	-4.5047e-01	-2.6579e-01	-1.2932e+02	6.2519e+01	1.9300e+01
41	412	-1.8487e+00	0.0000e+00	-4.4854e-02	-5.8088e+02	-3.1050e+01	-8.4030e+01
	540	-1.8487e+00	-4.5047e-01	-5.1387e-01	-1.2642e+02	-1.1278e+02	-1.8216e+01
	519	-5.5831e+00	-4.5047e-01	2.6709e-01	1.8213e+01	1.1452e+02	-1.8332e+01
	52	-5.5831e+00	0.0000e+00	7.3611e-01	-6.3324e+02	3.3119e+01	-8.4146e+01
42	557	1.8667e-01	6.2345e-02	-1.1765e+00	-1.9806e+02	7.9572e+01	1.6045e+01
	490	3.5799e-01	-3.1858e-01	-2.5323e+00	9.9653e+01	4.9647e+01	-1.0215e+02
	488	-6.7015e+00	-3.8022e-01	-3.2454e+00	-2.6335e+02	-7.2926e+01	-1.2110e+02
	481	-5.9957e+00	4.1418e-01	-3.4568e-01	-4.4887e+01	-1.7001e+01	-5.8632e+01
43	480	-6.5581e-01	-5.1127e-01	7.9314e-01	-5.7306e+01	4.2201e+01	-1.1192e+01
	558	-8.7342e-01	-1.2231e-01	8.8925e-01	-8.9493e+01	1.7407e+01	-2.3674e+01
	557	-1.6910e+00	-1.9855e-01	1.3491e+00	-4.6914e+00	9.8901e+01	1.2763e+01
	481	-1.9086e+00	-1.4206e+00	1.8807e+00	-8.8169e+01	1.3505e+01	1.3314e+01
44	577	1.5375e+00	4.1988e-01	2.3071e+00	-1.8249e+01	1.7595e+01	3.1388e+01
	480	1.9929e+00	1.7116e-01	-1.0505e-01	-4.6241e+01	-5.7928e+00	-2.8012e+01
	481	-6.0775e+00	4.5438e-02	-1.1533e+00	-9.8983e+01	-5.0899e+01	-7.8178e+01
	488	-5.6221e+00	2.9855e-01	1.3250e+00	-2.3194e+02	-1.3180e+01	-2.5582e+01
45	559	-2.9589e-03	-1.5016e+00	-4.4019e-01	-2.3644e+01	-8.9218e+01	2.0868e+01
	558	-2.9589e-03	-1.3737e+00	9.5635e-02	3.6074e+01	-4.1271e+01	3.9256e+01
	480	2.1906e-01	-1.3737e+00	2.0392e-02	1.0318e+01	-1.5061e+01	5.1432e+01
	472	2.1906e-01	-1.1519e+00	-7.7344e-01	2.9987e+01	-5.5138e+00	3.5153e+01
46	489	-5.7122e-01	-2.4824e+00	-1.7159e+00	5.1540e+01	2.0410e+02	1.2135e+02
	578	-1.4549e-01	-3.6821e-02	-3.7942e-01	-1.3243e+00	-3.5206e+01	7.9773e+01
	559	-4.7652e-01	-8.0153e-02	-2.3545e-01	-3.3189e+01	-4.5372e+00	8.3714e+00
	472	1.4124e-01	-3.6512e+00	-1.2589e+00	2.6913e+01	9.8740e+01	2.3562e+01
47	577	2.6542e-15	1.9574e+00	2.6601e+00	-1.7729e+01	3.0690e+01	-4.7313e+01
	489	2.9107e-15	-5.9085e+00	1.5193e+00	4.2489e+01	2.3402e+02	-2.5684e+01
	472	2.1906e-01	-3.3525e+00	-1.0037e+00	6.9123e+01	1.2189e+02	3.1163e+01
	480	2.1906e-01	1.9574e+00	1.9385e-01	-8.8973e+00	8.4711e+01	2.2740e+01
48	24	-7.0495e-02	3.0956e-02	-9.8328e-01	-3.8078e+01	-5.6400e+01	7.4196e+00
	427	-7.0495e-02	0.0000e+00	-1.0873e+00	-4.8176e+01	-4.3155e+00	2.3421e+01
	490	3.9404e-02	0.0000e+00	-1.2945e+00	-1.4060e+02	1.1416e+01	8.0121e+00
	557	3.9404e-02	3.0956e-02	-1.1905e+00	1.4253e+02	7.4685e+01	-7.9895e+00
49	505	-5.1199e-02	-6.2453e-03	-7.2239e-01	-6.5261e+01	3.1299e+00	-2.5989e-01
	428	-5.1199e-02	0.0000e+00	-7.2512e-01	-4.0270e+01	1.0723e-01	-1.0490e-01
	427	-7.0495e-02	0.0000e+00	-8.6801e-01	-5.7149e+01	-1.7714e+00	6.6417e+00
	24	-7.0495e-02	-6.2453e-03	-8.6528e-01	-4.7526e+01	-9.6832e+00	6.4867e+00
50	604	3.6725e-01	-5.4341e-01	-3.7809e-01	-2.5537e+01	-5.4092e+00	-1.1125e+01
	430	3.6194e-01	-5.3688e-01	-3.8471e-01	-1.2271e+01	-1.3883e+01	-1.4721e+01
	428	4.8802e-01	-5.3922e-01	-3.5192e-01	-2.4105e+01	-1.4621e+01	-1.7252e+01
	505	4.8271e-01	-5.4327e-01	-3.4600e-01	-5.0111e+01	-1.4699e+01	-2.1342e+01
51	603	1.6129e-01	-3.0675e-01	-2.2881e-01	-4.3684e+01	-1.5322e+01	-9.4727e+00
	583	1.4921e-01	-2.9163e-01	-2.2208e-01	-6.5953e+00	6.6131e+00	7.9523e+00
	430	4.5174e-01	-3.9205e-01	-2.2904e-01	-1.0896e+01	1.7510e+01	4.1280e+00
	604	4.3966e-01	-4.1644e-01	-2.5082e-01	-3.1811e+01	2.8230e+01	-1.5519e+01
52	602	-4.6716e-02	2.1421e-02	-1.6954e-02	-1.3644e+01	1.1697e+01	6.1953e+00
	437	6.5106e-02	1.8533e-01	-2.1643e-01	2.4009e+01	2.8224e+01	-2.4162e+01
	583	-3.1502e-01	1.7260e-01	-1.1516e-01	-1.2302e+00	3.3158e+00	-1.2278e+01
	603	-2.0319e-01	5.7426e-02	-2.0103e-02	-2.9095e+01	-1.8006e+01	1.5004e+01
53	601	4.2602e-01	-4.1386e-01	3.4770e-02	4.2846e+00	2.5749e+01	3.8519e+00
	446	4.2602e-01	-3.1924e-02	-1.7861e-01	2.6983e+01	3.8724e+01	-2.6745e+01
	437	-5.0194e-02	4.5762e-02	-1.7831e-03	2.8873e+01	2.1918e+01	-2.9204e+01
	602	-5.0194e-02	-3.3617e-01	2.1160e-01	-2.9202e+00	-6.1823e+00	-6.1161e+00
54	600	8.2656e-01	-7.7294e-01	2.9066e-01	-3.2989e+01	1.1696e+01	1.5641e+01
	455	7.7918e-01	-6.0504e-01	1.6965e-01	-9.8619e+00	-7.1187e+00	8.1004e+00
	446	3.7625e-01	-5.1453e-01	2.4306e-01	4.4681e+01	4.7728e+00	-2.1705e+01

	601	3.2887e-01	-7.2287e-01	4.2608e-01	-1.4670e+01	-1.4525e+00	-8.6611e+00
55	599	7.5507e-01	-8.2203e-01	7.8516e-01	-7.2720e+01	3.4963e+01	5.8250e+01
	460	7.5507e-01	-8.9305e-01	7.9708e-01	-4.1037e+01	-6.5272e+00	3.7632e+01
	455	6.8076e-01	-7.3627e-01	6.4376e-01	-2.8128e+01	-3.6770e+00	8.0245e+00
	600	6.8076e-01	-6.6525e-01	6.3183e-01	-6.3079e+01	-1.9724e+01	8.1576e+00
56	598	-1.3666e+00	-6.6574e-01	1.5455e+00	-4.7771e+02	-9.8297e+01	5.3875e+00
	25	-1.5458e+00	-4.6075e-01	1.1794e+00	-9.8213e+02	-1.4154e+02	3.2078e+02
	460	4.5874e-01	-4.0756e-01	8.3329e-01	-2.3786e+02	-4.2994e+01	1.8994e+02
	599	2.7953e-01	-6.3425e-01	1.2877e+00	-2.2491e+02	8.1216e+01	2.9505e+00
57	597	-2.0704e-01	2.0216e-02	-1.0902e+00	-9.0963e+01	-6.5225e+01	-1.0928e+01
	24	-2.0704e-01	3.0956e-02	-1.0126e+00	-7.5074e+01	-5.6400e+01	9.0878e+00
	557	-6.5185e-01	3.0956e-02	-1.1125e+00	-1.6175e+02	8.2605e+01	2.0067e+01
	537	-6.5185e-01	2.0216e-02	-1.1901e+00	1.0601e+02	8.3460e+01	5.1982e-02
58	596	-1.2948e-01	-8.4795e-03	-7.1587e-01	-1.1187e+02	1.1995e+01	-5.5264e-02
	505	-1.2948e-01	-6.2453e-03	-6.7985e-01	-7.4510e+01	3.7517e+00	1.0609e+00
	24	-2.0704e-01	-6.2453e-03	-8.9457e-01	-7.5468e+01	-1.2859e+01	1.2551e+00
	597	-2.0704e-01	-8.4795e-03	-9.3060e-01	-1.0475e+02	-2.1243e+01	1.3897e-01
59	595	-1.1221e-01	-1.1625e-02	-6.8402e-01	-1.1662e+02	6.4552e+00	8.7598e+00
	604	-1.1221e-01	-9.3546e-03	-6.5332e-01	-8.1135e+01	-1.5467e+00	8.7827e+00
	505	-1.2948e-01	-9.3546e-03	-5.7588e-01	-7.7235e+01	-3.9355e+00	1.7079e+00
	596	-1.2948e-01	-1.1625e-02	-6.0658e-01	-1.2044e+02	-4.2471e+00	1.6850e+00
60	594	-1.6274e-01	5.6364e-03	-3.3161e-01	-1.5688e+02	-1.3332e+01	4.0547e+00
	603	-1.6274e-01	-3.0475e-03	-2.8883e-01	-7.2086e+01	-1.6916e+01	9.2113e+00
	604	-1.1221e-01	-3.0475e-03	-5.6613e-01	-7.1379e+01	2.1015e+01	8.1912e+00
	595	-1.1221e-01	5.6364e-03	-6.0891e-01	-1.2912e+02	1.8170e+01	3.0346e+00
61	593	-1.3329e-01	-2.0160e-02	-1.2405e-01	-1.8157e+02	-6.6452e+00	4.7429e+00
	602	-1.3329e-01	-3.3512e-03	-3.4849e-02	-6.5456e+01	1.4031e+00	7.2926e+00
	603	-1.6274e-01	-3.3512e-03	-8.1077e-02	-7.5024e+01	-7.3802e+00	5.5254e+00
	594	-1.6274e-01	-2.0160e-02	-1.7028e-01	-1.6027e+02	2.2049e+00	2.9757e+00
62	592	-2.7538e-01	2.9489e-02	3.4775e-01	-1.6748e+02	3.2329e-01	-2.6941e+00
	601	-2.7538e-01	5.7798e-03	4.8951e-01	-6.2254e+01	1.1244e+01	-5.9776e+00
	602	-1.3329e-01	5.7798e-03	1.6636e-01	-7.1875e+01	-1.1814e+01	-2.3852e+00
	593	-1.3329e-01	2.9489e-02	2.4602e-02	-1.7599e+02	-3.4972e+00	8.9831e-01
63	591	-7.5333e-02	-2.7765e-02	7.3720e-01	-8.3285e+01	1.2152e+01	-9.0136e+00
	600	-7.5333e-02	1.4674e-02	8.5929e-01	-6.4283e+01	1.2618e+01	-2.0199e+01
	601	-2.7538e-01	1.4674e-02	7.1509e-01	-6.7559e+01	-2.0384e+01	-1.8796e+01
	592	-2.7538e-01	-2.7765e-02	5.9299e-01	-1.4175e+02	-2.0934e+01	-7.6107e+00
64	590	-3.1301e-01	7.1014e-02	9.3664e-01	4.4006e+01	3.1183e+00	-3.3981e+01
	599	-3.1301e-01	4.9567e-02	1.1857e+00	-1.1464e+02	4.8188e+01	-4.3032e+01
	600	-7.5333e-02	4.9567e-02	9.3865e-01	-5.7779e+01	-2.3231e+01	-1.3175e+01
	591	-7.5333e-02	7.1014e-02	6.8960e-01	-6.2809e+01	2.0270e-01	-4.1243e+00
65	589	8.8564e-01	4.0423e-01	9.9164e-01	2.1952e+02	5.1647e+01	-6.9471e+01
	598	8.8564e-01	-2.5787e-02	1.1501e+00	-2.5957e+02	-7.0283e+01	-7.2687e+01
	599	-3.1301e-01	-2.5787e-02	1.4166e+00	-1.2611e+02	4.4793e+01	-7.6357e+01
	590	-3.1301e-01	4.0423e-01	1.2582e+00	7.0593e+01	-7.4085e+01	-7.3141e+01
66	415	-3.4035e-01	0.0000e+00	-1.0525e+00	-1.9495e+02	-1.5023e+01	-5.5833e+01
	597	-3.4035e-01	2.0216e-02	-1.1537e+00	-1.0587e+02	-6.0662e+01	-1.1108e+01
	537	-4.6562e-01	2.0216e-02	-1.0431e+00	-1.0121e+02	7.6611e+01	6.5861e+00
	53	-4.6562e-01	0.0000e+00	-9.4187e-01	4.6853e+01	1.8129e+01	-3.8139e+01
67	418	-2.1570e-01	0.0000e+00	-5.7430e-01	-1.6678e+02	3.9381e+00	1.0419e+01
	596	-2.1570e-01	-8.4795e-03	-7.0625e-01	-1.2921e+02	1.3150e+01	-1.2554e+00
	597	-3.4035e-01	-8.4795e-03	-9.9414e-01	-1.2901e+02	-2.2497e+01	-1.3063e+01
	415	-3.4035e-01	0.0000e+00	-8.6220e-01	-2.3142e+02	-4.7286e+00	-1.3888e+00
68	425	-6.8777e-02	7.8162e-30	-5.8538e-01	-1.5657e+02	3.9507e-01	-1.8186e+00
	595	-6.8777e-02	-1.1625e-02	-7.0497e-01	-1.3613e+02	4.5350e+00	1.7575e+00
	596	-2.1570e-01	-1.1625e-02	-5.9695e-01	-1.2429e+02	-3.5329e+00	1.5054e+00
	418	-2.1570e-01	6.7967e-30	-4.7736e-01	-1.5525e+02	8.8105e-01	-2.0707e+00

69	450	-5.2221e-01	-2.0634e-30	-3.3322e-01	-2.6146e+02	-4.1894e+00	-1.8589e+01
	594	-5.2221e-01	5.6364e-03	-3.0496e-01	-1.7328e+02	-1.4958e+01	-4.3285e-01
	595	-6.8777e-02	5.6364e-03	-6.2986e-01	-1.4623e+02	1.6562e+01	-4.8850e-01
	425	-6.8777e-02	-4.0754e-30	-6.5812e-01	-1.8828e+02	5.8334e+00	-1.8645e+01
70	451	-1.6061e-01	0.0000e+00	7.2221e-02	-3.3738e+02	-2.9066e+00	-5.0010e+00
	593	-1.6061e-01	-2.0160e-02	-1.7508e-01	-2.1200e+02	-1.0928e+01	7.5082e+00
	594	-5.2221e-01	-2.0160e-02	-1.4362e-01	-1.9767e+02	2.2596e+00	-3.7175e+00
	450	-5.2221e-01	0.0000e+00	1.0368e-01	-2.9418e+02	3.9999e+00	-1.6227e+01
71	454	-4.5196e-01	0.0000e+00	4.7982e-01	-3.4084e+02	9.6170e-01	1.3471e+01
	592	-4.5196e-01	2.9489e-02	3.5871e-01	-2.0369e+02	-2.9922e+00	1.0280e+01
	593	-1.6061e-01	2.9489e-02	-2.6429e-02	-2.1711e+02	-4.4899e+00	-1.2372e+00
	451	-1.6061e-01	0.0000e+00	9.4687e-02	-3.4503e+02	-9.7971e-02	1.9544e+00
72	457	-3.5172e-01	-1.9503e-15	9.4402e-01	-1.3541e+02	8.2225e+00	4.7686e+01
	591	-3.5172e-01	-2.7765e-02	8.1892e-01	-1.1785e+02	1.4100e+01	1.0732e+01
	592	-4.5196e-01	-2.7765e-02	6.0395e-01	-1.7498e+02	-2.3437e+01	-8.5999e-01
	454	-4.5196e-01	-1.5061e-15	7.2905e-01	-2.8226e+02	-9.1586e+00	3.6094e+01
73	462	-7.3173e-01	6.2087e-30	1.0026e+00	3.8400e+01	4.7023e+00	3.9662e+01
	590	-7.3173e-01	7.1014e-02	5.0885e-01	1.0080e+01	-9.0746e-01	1.1473e+01
	591	-3.5172e-01	7.1014e-02	7.7132e-01	-4.3233e+01	-2.7021e-02	1.0585e+01
	457	-3.5172e-01	7.8340e-30	1.2651e+00	-6.3885e+01	-4.9932e+00	3.8774e+01
74	414	4.7465e+00	-7.6485e-15	1.8454e+00	1.1460e+03	5.3408e+01	1.6772e+02
	589	4.7465e+00	4.0423e-01	1.6327e+00	4.2850e+02	1.0819e+02	-5.5078e+01
	590	-7.3173e-01	4.0423e-01	8.3037e-01	1.8424e+02	-1.0791e+02	-4.1837e+01
	462	-7.3173e-01	-4.3006e-15	1.0430e+00	3.1849e+02	-6.4138e+01	1.8096e+02
75	575	1.0761e-02	-4.1550e-02	-1.1891e-01	-6.0342e+01	1.1415e+01	-1.9011e+00
	410	2.5026e-02	-4.0181e-02	-8.4475e-02	-1.2348e+02	1.4340e+00	-3.0145e+01
	471	-7.2750e-03	-1.9007e-02	-4.2159e-02	-2.0323e+02	-1.3456e+01	-4.5041e+01
	576	6.9894e-03	-2.0246e-02	-7.3027e-02	-6.6936e+01	-3.3912e+00	5.0451e+00
76	574	2.6045e-02	-3.8862e-02	-5.4825e-02	-3.8277e+01	-1.0027e+00	-1.0499e+01
	408	2.6045e-02	-3.1023e-02	-2.7731e-02	-6.7483e+01	-5.1927e+00	-2.5743e+01
	410	5.6004e-02	-7.1526e-02	-6.4868e-02	-7.6587e+01	-1.2969e+01	-2.6948e+01
	575	5.6004e-02	-7.9366e-02	-9.1962e-02	-2.9875e+01	-1.9771e+00	-6.9629e+00
77	573	1.2482e-02	-8.3507e-02	-4.0419e-02	-2.9966e+01	-1.2775e+01	-2.2048e+01
	405	2.1747e-02	-3.4824e-02	-1.1339e-02	-3.6770e+01	-1.6373e+01	-2.6007e+01
	408	3.1490e-02	-2.6705e-02	-2.4206e-03	-4.3415e+01	-2.2645e+01	-2.8859e+01
	574	4.0754e-02	-5.9775e-02	-1.4436e-02	-2.1207e+01	-1.2803e+01	-1.1033e+01
78	572	2.7441e-03	-2.1094e-02	-1.6339e-02	-2.6754e+01	6.7528e-01	-1.5038e+01
	585	-6.1146e-03	-1.2324e-02	-1.1870e-02	-5.7830e+00	-9.8020e+00	-1.5526e+01
	405	2.0805e-02	-2.3751e-02	-1.2819e-02	-4.0391e+01	-3.8769e+01	-3.6302e+01
	573	1.1946e-02	-3.9204e-02	-2.8169e-02	-2.8072e+01	-2.0122e+01	-1.3002e+01
79	571	1.9451e-02	-1.3298e-02	8.6334e-03	-2.7043e+01	-2.6461e+01	1.4195e+01
	404	1.3517e-02	-2.0286e-02	1.8942e-02	-3.9568e+01	-3.5277e+01	3.7353e+01
	585	-4.3155e-04	-1.8007e-02	1.9672e-02	-5.4304e+00	-9.3218e+00	1.9724e+01
	572	-6.3652e-03	-1.3096e-02	1.4352e-02	-2.2653e+01	5.1586e+00	1.5948e+01
80	570	1.2274e-01	-1.2231e-01	3.9175e-02	-2.3527e+01	-1.8343e+01	2.2276e+01
	403	1.2100e-01	-1.1265e-01	3.3605e-02	-3.1044e+01	-2.1347e+01	2.6101e+01
	404	1.3705e-02	-6.2497e-02	3.8045e-02	-3.2316e+01	-1.9399e+01	2.5449e+01
	571	1.1962e-02	-7.4112e-02	4.6229e-02	-2.7445e+01	-1.7847e+01	2.2952e+01
81	569	1.8825e-01	-1.8803e-01	1.4135e-01	-3.9859e+01	-2.2735e+01	1.8862e+01
	402	1.8840e-01	-1.8920e-01	1.4384e-01	-5.3215e+01	-2.2837e+01	3.1281e+01
	403	9.9624e-02	-1.6135e-01	1.3781e-01	-4.2952e+01	-1.6566e+01	2.9198e+01
	570	9.9772e-02	-1.6014e-01	1.3522e-01	-3.2901e+01	-7.5710e+00	2.2205e+01
82	568	1.5880e-01	-1.8103e-01	4.0091e-01	-3.9842e+01	-4.1535e+00	5.8425e+00
	401	1.6079e-01	-1.9421e-01	4.0372e-01	-6.6406e+01	-5.2017e-01	9.1647e+00
	402	6.9899e-02	-1.4026e-01	2.9689e-01	-7.2453e+01	-1.2299e+00	1.4207e+01
	569	7.1887e-02	-1.2568e-01	2.9059e-01	-5.3260e+01	-3.7229e+00	1.5516e+01
83	567	5.0447e-02	1.5464e-02	5.2963e-01	5.3892e+01	1.5234e+01	-1.3225e+00

	470	5.0447e-02	7.4814e-16	5.6368e-01	-5.9779e+01	3.8141e+00	-1.4144e+01
	401	-3.3420e-02	4.2954e-16	5.4559e-01	-5.1557e+01	-2.4142e+00	-1.2388e+01
	568	-3.3420e-02	1.5464e-02	5.1154e-01	-2.5101e+01	-1.5106e+01	4.3311e-01
84	566	1.1851e-01	-7.8471e-03	4.3764e-01	-1.1362e+01	3.6852e+00	1.6528e+01
	581	1.1851e-01	0.0000e+00	8.0543e-01	1.6846e+01	-1.3427e-01	1.4553e+01
	470	5.0447e-02	0.0000e+00	7.1378e-01	4.5222e+01	1.6275e+00	-2.4083e-01
	567	5.0447e-02	-7.8471e-03	3.4599e-01	-4.7933e+01	1.2068e+01	1.7342e+00
85	565	-1.9467e+00	4.6042e-03	2.9571e-01	-1.1012e+02	-2.6155e+01	-2.6280e+01
	483	-1.7114e+00	5.6886e-01	8.7481e-01	-1.6420e+02	1.3212e+01	5.0478e+00
	581	-4.3487e-01	5.5337e-01	1.0105e+00	-3.6084e+01	3.1252e+01	3.0284e+01
	566	-1.9959e-01	5.6016e-02	6.2138e-01	-2.7739e+01	3.2588e+01	-1.5275e+01
86	564	-3.4296e+00	-4.9388e-01	-9.9710e-01	-2.9852e+01	1.1526e+01	-7.8380e+00
	482	-3.1603e+00	-5.6891e-01	-1.5066e+00	-1.7078e+02	-1.3319e+01	-5.8293e+01
	483	-2.2596e+00	-5.3046e-02	-3.9528e-01	-1.6576e+02	-2.5996e+01	-3.7813e+01
	565	-1.9903e+00	3.2079e-02	2.0357e-01	-9.6092e+01	-4.2761e+01	-6.5145e+00
87	562	-1.4481e-01	1.7315e-01	-6.3113e-01	-7.6797e+01	-2.7480e+01	1.4332e+01
	580	-1.4481e-01	0.0000e+00	-7.4136e-01	-2.5446e+01	-3.5424e-01	9.9644e+00
	484	2.9463e-01	6.1867e-31	-9.0005e-01	-1.4393e+02	1.2388e+00	1.2221e+01
	563	2.9463e-01	1.7315e-01	-7.8983e-01	1.7331e+01	2.6745e+01	1.6589e+01
88	561	1.3370e+00	2.9580e-01	-5.0729e-01	-1.5720e+02	7.6342e+01	1.9630e+01
	486	1.3370e+00	-7.0497e-16	-3.9453e-01	1.0444e+02	1.1299e+01	1.1955e+01
	580	-1.4481e-01	2.2220e-16	-4.2874e-01	-1.5869e+01	-1.0162e+01	-1.4612e+01
	562	-1.4481e-01	2.9580e-01	-5.4150e-01	-7.2525e+01	-5.2315e+01	-6.9369e+00
89	559	-1.8232e-01	-1.0486e+00	-4.9790e-01	-7.5727e+01	-3.3250e+01	-3.7204e+00
	578	-1.8232e-01	0.0000e+00	3.7997e-01	-1.3515e+01	-4.0003e+00	-1.8525e+01
	579	-8.1345e-01	2.6027e-31	2.3767e-01	-4.0414e+01	-5.6774e+00	1.0879e+01
	560	-8.1345e-01	-1.0486e+00	-6.4020e-01	-1.1896e+02	-1.2553e+00	2.5684e+01
90	555	-6.6152e-02	5.0571e-02	-1.1766e-01	1.0002e+02	-1.6974e+01	6.6396e+00
	575	-6.6152e-02	1.3026e-02	-1.1624e-01	4.2221e+00	1.5229e+00	1.3262e+01
	576	1.4486e-01	1.3026e-02	-7.8657e-02	-5.9740e+00	-8.8123e-01	1.6777e+01
	556	1.4486e-01	5.0571e-02	-8.0080e-02	1.4208e+02	1.4693e+01	1.0154e+01
91	554	-1.8872e-02	2.1970e-02	-1.4427e-02	5.3533e+01	-5.7342e+00	5.7623e-02
	574	-1.8872e-02	1.4102e-02	-6.5117e-02	-4.8879e+00	-3.3863e+00	6.2321e+00
	575	-6.6152e-02	1.4102e-02	-1.0933e-01	-8.0650e+00	3.8154e+00	1.2877e+01
	555	-6.6152e-02	2.1970e-02	-5.8642e-02	9.0792e+01	1.3481e+00	6.7023e+00
92	553	-1.1519e-02	-9.0540e-03	-1.9811e-02	2.6797e+01	1.3132e+00	-7.9728e-01
	573	-1.1519e-02	-3.5272e-03	-6.0717e-02	-6.8721e+00	2.5338e+00	1.3166e+00
	574	-1.8872e-02	-3.5272e-03	-5.2697e-02	-1.3511e+01	-2.6217e+00	5.6284e+00
	554	-1.8872e-02	-9.0540e-03	-1.1791e-02	4.3774e+01	-4.9276e+00	3.5145e+00
93	552	-2.9360e-02	-2.0764e-03	-5.2512e-05	1.4899e+01	1.2118e+00	1.4931e+00
	572	-2.9360e-02	8.8634e-05	-2.1747e-02	-1.7731e+01	4.7131e+00	3.4529e+00
	573	-1.1519e-02	8.8634e-05	-4.4454e-02	-1.7371e+01	-6.5568e+00	4.3970e+00
	553	-1.1519e-02	-2.0764e-03	-2.2760e-02	2.4786e+01	-3.7777e+00	2.4373e+00
94	551	-5.9735e-02	2.5752e-04	3.7571e-02	5.1269e+00	-5.8727e+00	-9.2513e-01
	571	-5.9735e-02	-1.0234e-03	2.8372e-02	-2.5322e+01	-1.1046e+01	1.3891e+00
	572	-2.9360e-02	-1.0234e-03	8.1262e-03	-1.8797e+01	1.1212e+01	3.0198e+00
	552	-2.9360e-02	2.5752e-04	1.7326e-02	9.2473e+00	4.6202e+00	7.0550e-01
95	550	-8.1134e-02	-1.3247e-04	1.4672e-01	-8.0296e+00	1.1269e+00	-5.5746e-01
	570	-8.1134e-02	-4.2267e-04	1.3072e-01	-3.0654e+01	1.1881e+00	1.6913e+00
	571	-5.9735e-02	-4.2267e-04	6.5821e-02	-2.3046e+01	1.2670e+00	3.6693e+00
	551	-5.9735e-02	-1.3247e-04	8.1819e-02	-2.8975e+00	-6.8341e-02	1.4206e+00
96	549	-1.1529e-01	2.2057e-03	2.6831e-01	-2.2494e+01	-6.9969e+00	-2.0175e-01
	569	-1.1529e-01	-1.0692e-03	2.3788e-01	-4.3783e+01	-8.6463e+00	3.1455e+00
	570	-8.1134e-02	-1.0692e-03	1.8718e-01	-3.6542e+01	5.7741e+00	2.8618e+00
	550	-8.1134e-02	2.2057e-03	2.1761e-01	-1.1746e+01	4.3358e+00	-4.8545e-01
97	548	-1.3114e-01	1.6296e-02	4.6946e-01	-2.5651e+01	-6.4622e+00	2.9234e+00
	568	-1.3114e-01	1.1194e-02	4.2741e-01	-3.5903e+01	-4.4325e+00	1.7970e+00

	569	-1.1529e-01	1.1194e-02	3.0993e-01	-4.1387e+01	-6.3887e-01	2.9180e+00
	549	-1.1529e-01	1.6296e-02	3.5199e-01	-2.5348e+01	4.1609e-01	4.0443e+00
98	547	-4.8716e-02	1.5904e-02	5.9133e-01	2.7029e+01	1.6647e+01	4.5581e+00
	567	-4.8716e-02	1.5464e-02	5.1924e-01	-5.9924e+01	1.5276e+01	1.9653e-01
	568	-1.3114e-01	1.5464e-02	5.0409e-01	-3.5368e+01	-1.2904e+01	2.2024e+00
	548	-1.3114e-01	1.5904e-02	5.7618e-01	-2.1602e+01	-1.5728e+01	6.5639e+00
99	546	-1.3409e-01	-1.2074e-02	9.3980e-01	-1.2903e+01	-3.4972e+00	6.8552e-01
	566	-1.3409e-01	-7.8471e-03	4.8390e-01	-1.5946e+01	-2.1263e+00	7.6256e+00
	567	-4.8716e-02	-7.8471e-03	3.2803e-01	5.7013e+01	1.7022e+01	7.5347e+00
	547	-4.8716e-02	-1.2074e-02	7.8393e-01	-5.7064e+01	1.8481e+01	5.9461e-01
100	545	-2.9518e-01	-2.1728e-01	1.2966e+00	-4.4891e+01	-2.8405e+00	-1.6134e+01
	565	-2.9518e-01	-2.6208e-01	1.0183e+00	-5.8260e+01	-2.2714e+01	-2.7713e+00
	566	-1.3409e-01	-2.6208e-01	6.5143e-01	-2.1204e+01	3.1431e+01	-7.4433e-01
	546	-1.3409e-01	-2.1728e-01	9.2974e-01	-2.6498e+01	9.6030e+00	-1.4107e+01
101	544	-3.1916e+00	-4.2216e-01	-1.0521e+00	-1.1068e+01	-1.1130e+01	1.0453e+01
	564	-3.1916e+00	-1.9431e-01	-5.1294e-01	-1.0329e+02	9.1859e+00	9.6919e+00
	565	-2.9518e-01	-1.9431e-01	9.3749e-01	-8.2669e+01	-2.5887e+01	6.2597e+00
	545	-2.9518e-01	-4.2216e-01	3.9837e-01	-3.5576e+01	-2.8795e+00	7.0211e+00
102	542	-4.6577e-01	2.0959e-01	-8.2493e-01	-1.6452e+02	-6.5790e+01	-8.9550e+00
	562	-4.6577e-01	1.7315e-01	-7.2102e-01	-1.0998e+02	-3.4585e+01	1.2076e+01
	563	4.7950e-01	1.7315e-01	-8.7456e-01	-1.7528e+02	3.5196e+01	1.7968e+01
	543	4.7950e-01	2.0959e-01	-9.7848e-01	1.8044e+01	6.2174e+01	-3.0632e+00
103	541	1.0555e+00	1.9788e-01	-2.2523e-01	-1.8098e+02	7.7887e+01	-2.2302e+01
	561	1.0555e+00	2.9580e-01	-2.5585e-01	-1.1258e+02	8.3052e+01	-2.8466e+01
	562	-4.6577e-01	2.9580e-01	-6.3138e-01	-1.3513e+02	-6.3843e+01	-1.3224e+01
	542	-4.6577e-01	1.9788e-01	-6.0076e-01	-1.8704e+02	-7.1811e+01	-7.0596e+00
104	539	-2.5649e-01	-7.4877e-01	1.3762e-02	-2.3399e+02	-2.6029e+01	4.4407e+00
	559	-2.5649e-01	-1.0486e+00	-3.9180e-01	-1.3149e+02	-4.6329e+01	1.9988e+01
	560	-2.3899e+00	-1.0486e+00	-1.1441e+00	-1.0810e+02	-3.9240e+00	3.2326e+01
	540	-2.3899e+00	-7.4877e-01	-7.3851e-01	-1.8373e+02	-3.4642e+01	1.6779e+01
105	538	-1.5599e+00	-5.8906e-02	5.5532e-02	-1.7356e+02	3.8534e+01	-2.9404e-01
	558	-1.5599e+00	-2.9589e-03	8.5215e-02	-5.4883e+01	3.8439e+01	-2.8518e+01
	559	-2.5649e-01	-2.9589e-03	1.1467e-01	-1.0219e+02	-3.5601e+01	-1.2238e+01
	539	-2.5649e-01	-5.8906e-02	8.4992e-02	-2.5746e+02	-4.9705e+01	1.5987e+01
106	537	-6.5185e-01	2.3199e-01	-1.0715e+00	-8.8687e+01	1.2309e+02	1.9814e+01
	557	-6.5185e-01	3.7801e-01	-9.4151e-01	9.0241e+01	7.4906e+01	-2.2695e+01
	558	-1.5599e+00	3.7801e-01	-2.2493e-01	-5.1607e+01	-8.0513e+01	-5.3511e+01
	538	-1.5599e+00	2.3199e-01	-3.5491e-01	-1.2280e+02	-9.8917e+01	-1.1002e+01
107	411	-3.9401e-02	-2.2252e-16	-5.6380e-02	2.4395e+02	-1.2762e+01	-4.5149e+01
	555	-3.9401e-02	5.0571e-02	-7.8545e-02	1.5095e+02	-2.0436e+01	-2.8042e+00
	556	5.2033e-01	5.0571e-02	-1.5865e-01	1.9929e+02	2.4159e+01	5.1200e+00
	61	5.2033e-01	-5.5736e-16	-1.3649e-01	3.9931e+02	9.8967e+00	-3.7225e+01
108	409	-3.6140e-02	2.0662e-16	-1.0073e-01	1.2310e+02	-4.1202e+00	-2.0535e+01
	554	-3.6140e-02	2.1970e-02	-5.2903e-03	7.6421e+01	-5.5805e+00	-4.8003e+00
	555	-3.9401e-02	2.1970e-02	-1.9529e-02	1.0415e+02	3.4584e+00	-5.3686e+00
	411	-3.9401e-02	2.3614e-16	-1.1497e-01	1.8223e+02	2.4099e+00	-2.1104e+01
109	187	-4.9952e-02	0.0000e+00	-1.0017e-01	7.9630e+01	-1.5182e+00	-8.9531e+00
	553	-4.9952e-02	-9.0540e-03	-1.9575e-02	4.5954e+01	1.5117e+00	-3.4037e+00
	554	-3.6140e-02	-9.0540e-03	-2.6547e-03	5.4461e+01	-3.3494e+00	-3.9739e+00
	409	-3.6140e-02	0.0000e+00	-8.3253e-02	9.8263e+01	1.4699e-01	-9.5233e+00
110	407	-5.2424e-02	4.7089e-17	-3.1495e-02	5.4417e+01	-1.1907e+00	-6.0930e+00
	552	-5.2424e-02	-2.0764e-03	2.7470e-03	2.3323e+01	1.0340e+00	-1.2399e+00
	553	-4.9952e-02	-2.0764e-03	-2.2523e-02	3.2451e+01	-1.8293e+00	-1.0589e+00
	187	-4.9952e-02	9.8998e-17	-5.6766e-02	7.0665e+01	2.5688e-01	-5.9120e+00
111	406	-8.6766e-02	2.8902e-17	9.6507e-03	3.6040e+01	-1.5386e+00	-5.7985e+00
	551	-8.6766e-02	2.5752e-04	4.0939e-02	9.8013e+00	-4.3296e+00	-2.3055e+00
	552	-5.2424e-02	2.5752e-04	2.0125e-02	1.7067e+01	4.4256e+00	-1.3647e+00

	407	-5.2424e-02	-1.4143e-17	-1.1163e-02	4.4841e+01	8.1644e-01	-4.8577e+00
112	186	-1.1001e-01	2.6345e-33	1.1563e-01	2.6578e+01	-2.1449e-01	-4.5044e+00
	550	-1.1001e-01	-1.3247e-04	1.5125e-01	1.0213e+00	1.2749e+00	-2.8831e+00
	551	-8.6766e-02	-1.3247e-04	8.5187e-02	8.1460e+00	1.1581e-02	-8.7590e-01
	406	-8.6766e-02	2.0691e-33	4.9570e-02	2.8639e+01	8.3773e-02	-2.4972e+00
113	400	-1.3413e-01	-4.5097e-33	2.1108e-01	4.0949e+00	-1.7669e+00	-5.9820e+00
	549	-1.3413e-01	2.2057e-03	2.6877e-01	-1.3576e+01	-5.7338e+00	-1.4417e+00
	550	-1.1001e-01	2.2057e-03	2.2214e-01	-6.1805e+00	4.4990e+00	-2.0970e+00
	186	-1.1001e-01	-3.9566e-33	1.6445e-01	2.1100e+01	1.0199e+00	-6.6373e+00
114	399	-2.1112e-01	-5.6552e-33	3.6336e-01	-3.1046e+01	-2.4201e+00	-5.7581e-02
	548	-2.1112e-01	1.6296e-02	4.9065e-01	-2.3437e+01	-6.9086e+00	5.8959e+00
	549	-1.3413e-01	1.6296e-02	3.5245e-01	-1.9342e+01	2.1723e+00	1.7455e+00
	400	-1.3413e-01	-4.1761e-33	2.2516e-01	-7.7565e+00	1.2930e+00	-4.2080e+00
115	60	1.2953e-02	2.4136e-17	4.6302e-01	4.9117e+01	3.8335e+00	1.3656e+01
	547	1.2953e-02	1.5904e-02	5.8710e-01	-3.3877e+01	1.5981e+01	2.9627e+00
	548	-2.1112e-01	1.5904e-02	5.9736e-01	-2.1428e+01	-1.3898e+01	6.2813e+00
	399	-2.1112e-01	2.5908e-17	4.7328e-01	-2.2358e+01	-4.1547e+00	1.6975e+01
116	91	-3.5552e-01	0.0000e+00	4.0325e-01	-2.9843e+01	7.9822e-01	-8.3723e+00
	546	-3.5552e-01	-1.2074e-02	9.4760e-01	-2.0498e+01	-9.0014e+00	-1.4725e+00
	547	1.2953e-02	-1.2074e-02	8.3658e-01	5.6322e+01	1.7377e+01	2.8007e+00
	60	1.2953e-02	0.0000e+00	2.9222e-01	-7.8033e+01	3.4585e+00	-4.0991e+00
117	168	-7.4295e-01	0.0000e+00	1.1555e+00	2.6428e+01	4.0413e+00	-8.2569e+00
	545	-7.4295e-01	-2.1728e-01	1.5898e+00	-8.6291e+00	5.0229e+00	-2.1831e+01
	546	-3.5552e-01	-2.1728e-01	9.3754e-01	-1.6911e+01	6.0268e-01	-1.6773e+01
	91	-3.5552e-01	0.0000e+00	5.0327e-01	-2.1618e+01	-3.2920e+00	-3.1982e+00
118	1	-4.2698e+00	-8.0393e-16	-7.8025e-01	-8.5263e+01	-9.0865e+00	-2.5589e+01
	544	-4.2698e+00	-4.2216e-01	-1.6194e+00	-1.2058e+02	-1.7387e+01	8.7906e+00
	545	-7.4295e-01	-4.2216e-01	6.9155e-01	-4.2595e+01	9.1427e+00	1.9905e+00
	168	-7.4295e-01	1.5961e-15	1.5307e+00	1.2117e+01	6.1742e+00	-3.2389e+01
119	421	-1.1270e+00	1.9630e-31	-1.2031e+00	-3.5448e+02	-2.0735e+01	-6.2337e+01
	542	-1.1270e+00	2.0959e-01	-9.3773e-01	-2.1385e+02	-6.4335e+01	-2.0105e+00
	543	6.8146e-01	2.0959e-01	-8.1674e-01	-2.6492e+02	6.2997e+01	-1.3411e+00
	58	6.8146e-01	1.7164e-31	-1.0821e+00	3.2964e+01	1.8917e+01	-6.1668e+01
120	536	1.0753e+00	-8.2412e-16	3.7354e-01	-1.7133e+02	2.4470e+01	5.2130e+01
	541	1.0753e+00	1.9788e-01	-1.2155e-01	-1.0092e+02	7.8986e+01	-1.6366e+01
	542	-1.1270e+00	1.9788e-01	-7.1355e-01	-2.0792e+02	-8.1590e+01	-2.2550e+01
	421	-1.1270e+00	4.0439e-16	-2.1846e-01	-3.8232e+02	-2.1746e+01	4.5946e+01
121	398	-9.2267e-01	2.7249e-32	-9.8997e-01	-5.2082e+02	-4.6618e+00	5.7380e+00
	539	-9.2267e-01	-7.4877e-01	-3.7371e-01	-3.0838e+02	-2.3089e+01	1.8662e+01
	540	-1.8487e+00	-7.4877e-01	-4.2988e-01	-2.4678e+02	-3.6465e+01	-4.3358e+01
	412	-1.8487e+00	-1.5341e-32	-1.0461e+00	-5.2119e+02	-2.5252e+00	-5.6282e+01
122	413	-1.5511e+00	-3.9016e-16	-2.1304e-01	-3.8019e+02	1.4145e+01	7.2974e+01
	538	-1.5511e+00	-5.8906e-02	8.8959e-02	-2.0851e+02	3.2996e+01	2.9601e+01
	539	-9.2267e-01	-5.8906e-02	-3.0249e-01	-2.7791e+02	-5.3824e+01	4.5084e+00
	398	-9.2267e-01	-1.1977e-15	-6.0449e-01	-5.1242e+02	-1.3382e+01	4.7882e+01
123	53	-4.6562e-01	-7.3909e-33	-7.1899e-01	-1.9895e+02	3.3734e+01	8.1630e+01
	537	-4.6562e-01	2.3199e-01	-1.0735e+00	1.0585e+02	1.2605e+02	-4.3387e-01
	538	-1.5511e+00	2.3199e-01	-3.2148e-01	-1.5565e+02	-1.0952e+02	5.4919e+00
	413	-1.5511e+00	-1.3236e-31	3.3029e-02	-2.7714e+02	-2.2931e+01	8.7556e+01
251	394	1.9455e-03	-1.2012e-01	6.5352e-01	-1.7617e+01	6.6397e+00	3.1103e+00
	397	1.9455e-03	2.2518e-15	-8.6633e-01	-8.0889e+00	1.2486e+01	-1.7372e+01
	504	-9.5591e-01	2.2518e-15	-6.1256e-01	-6.5797e+01	-1.0072e+01	-1.7453e+01
	395	-9.5591e-01	-1.2012e-01	9.0729e-01	-7.3297e+00	-4.0855e+00	3.0295e+00
252	393	3.1158e-01	-2.8186e-01	7.0933e-01	-1.7914e+01	7.5321e+00	3.3178e+00
	396	3.1158e-01	-2.9737e-15	6.6376e-01	-3.3494e+00	2.0338e-01	5.6000e+00
	397	1.9455e-03	-4.3440e-16	2.5537e-01	-3.3934e+00	1.3450e+00	-1.3614e+00
	394	1.9455e-03	-2.8186e-01	3.0094e-01	-1.2587e+01	6.0439e+00	-3.6435e+00

253	392	-2.4776e+00	-2.0605e-01	-2.3447e-01	-1.2111e+01	-7.2720e+00	-6.4253e+00
	503	-2.4776e+00	2.2518e-15	1.4330e+00	-1.1063e+02	-1.7370e+01	2.8987e+01
	396	3.1158e-01	2.2518e-15	1.8174e+00	-1.3051e+01	2.1003e+01	3.0148e+01
	393	3.1158e-01	-2.0605e-01	1.4985e-01	-2.7703e+01	8.8989e+00	-5.2643e+00
254	389	-6.9662e-01	-2.5777e-01	1.7547e-02	6.7894e+00	1.3866e+00	2.5744e+00
	394	-6.9662e-01	-1.2012e-01	9.6748e-01	-7.9051e+00	1.7057e+00	3.9655e+00
	395	-1.7284e+00	-1.2012e-01	5.8117e-01	-9.1606e+00	4.0385e+00	6.3709e+00
	391	-1.7284e+00	-2.5777e-01	-3.6877e-01	1.1266e+01	2.0181e-01	4.9797e+00
255	379	-5.0639e-01	1.0490e-02	5.8624e-01	7.0295e+00	-4.0911e+00	-6.0697e+00
	393	-5.0639e-01	-2.8186e-01	6.4337e-01	-6.8540e+00	7.8327e+00	-6.7806e+00
	394	-6.9662e-01	-2.8186e-01	6.1490e-01	-4.0856e+00	4.4361e+00	3.1468e+00
	389	-6.9662e-01	1.0490e-02	5.5777e-01	2.6152e+00	-7.9209e-01	3.8577e+00
256	377	-7.9815e-01	-3.7192e-02	7.3808e-01	1.4315e+01	-4.9145e+00	-1.3550e+01
	392	-7.9815e-01	-2.0605e-01	-4.2102e-01	-1.4602e+01	5.0934e+00	-1.3279e+01
	393	-5.0639e-01	-2.0605e-01	8.3895e-02	-1.1439e+01	4.9118e-01	-7.5829e+00
	379	-5.0639e-01	-3.7192e-02	1.2430e+00	1.1778e+01	6.5733e-01	-7.8534e+00
257	390	2.7971e-01	4.3342e-02	2.2418e+00	3.7161e+00	6.8584e-01	-1.9964e+00
	389	2.4072e-01	-2.5503e-01	2.0539e-01	1.1347e+01	4.0060e-01	2.5595e+00
	391	-3.4340e+00	-2.6785e-01	-4.7553e-01	1.0329e+01	1.3383e+00	3.5198e+00
	12	-3.4730e+00	3.0683e-02	1.5580e+00	1.4999e+01	-7.8270e-01	-9.4806e-01
258	387	-3.2401e-02	-8.1411e-03	-3.9157e-01	4.1191e+00	1.1312e+00	5.7657e+00
	379	-3.4546e-02	6.4990e-03	-2.8153e-01	1.6360e+01	-3.9911e+00	3.3112e+00
	389	2.5223e-01	2.6522e-02	7.5606e-01	1.1798e+01	-2.3800e+00	-6.5642e-01
	390	2.5009e-01	1.2192e-02	6.4587e-01	2.5153e+00	-8.1364e-01	1.9859e+00
259	11	1.6764e+00	-4.2936e-29	4.4536e-03	1.0493e+02	1.6353e+01	2.6387e+01
	377	1.6764e+00	-3.7192e-02	2.2336e+00	1.2025e+01	7.0430e+00	-7.1042e+00
	379	-3.1081e-02	-3.7192e-02	3.7143e-01	2.5640e+01	-7.6434e+00	-5.5233e+00
	387	-3.1081e-02	2.5423e-29	-1.8577e+00	1.3775e+01	-1.9684e+01	2.7968e+01
260	360	-2.6042e-01	1.4956e-01	-1.7053e-02	-1.3588e+01	1.1721e+00	-4.5742e+00
	374	-2.6042e-01	1.1259e-15	-5.2521e-01	-7.5065e+01	6.2187e+01	-4.2249e+01
	502	-2.0490e+00	1.1259e-15	-1.0859e+00	-1.8098e+02	-7.6918e+01	-5.2104e+01
	365	-2.0490e+00	1.4956e-01	-5.7773e-01	5.4193e+01	2.3043e+01	-1.4429e+01
261	359	-1.9270e-01	-2.6030e-01	-2.4221e-01	-6.3736e+00	1.6362e+01	1.7861e+00
	372	-1.9270e-01	0.0000e+00	3.8915e-02	-5.0552e+01	1.1794e+01	-1.1566e+01
	374	-2.6042e-01	0.0000e+00	8.9976e-03	-5.6854e+01	-1.2542e+01	-1.7126e+01
	360	-2.6042e-01	-2.6030e-01	-2.7213e-01	-1.3585e+01	4.8640e+00	-3.7739e+00
262	342	-6.9861e-01	-1.4767e-01	-3.3114e-01	3.1107e+01	1.2266e+01	2.5815e+00
	501	-6.9861e-01	-1.1259e-15	2.7792e-01	-9.5785e+01	-2.7283e+01	1.1378e+01
	372	-1.9270e-01	-1.1259e-15	3.5943e-01	-5.4395e+01	1.9726e+01	4.3850e+00
	359	-1.9270e-01	-1.4767e-01	-2.4963e-01	-1.3796e+00	7.8146e+00	-4.4118e+00
263	351	-4.6417e-01	-1.6540e-01	-2.6347e-01	9.5593e+01	-7.5164e+00	2.8773e+00
	360	-4.6417e-01	1.4956e-01	-1.1847e-01	3.6887e+01	2.5986e+00	-1.7726e+00
	365	-3.2333e-01	1.4956e-01	1.1110e-01	-2.7897e+00	-7.4238e+00	-4.6288e+00
	358	-3.2333e-01	-1.6540e-01	-3.3905e-02	1.3056e+02	1.3979e+01	2.1131e-02
264	345	-3.5076e-01	2.6533e-01	-2.7682e-01	1.2130e+02	2.6066e+01	1.3823e+01
	359	-3.5076e-01	-2.6030e-01	-3.9407e-01	2.4476e+01	-1.9988e+00	4.7100e+00
	360	-4.6417e-01	-2.6030e-01	-3.7354e-01	4.1128e+01	1.2101e+01	1.8113e+00
	351	-4.6417e-01	2.6533e-01	-2.5630e-01	9.5419e+01	-4.5074e+00	1.0925e+01
265	336	-3.4033e-01	1.0399e-01	-3.5598e-01	9.8273e+01	-5.7949e+00	-3.8934e+00
	342	-3.4033e-01	-1.4767e-01	-3.6744e-01	3.7375e+01	-3.8724e+00	5.4482e+00
	359	-3.5076e-01	-1.4767e-01	-4.0149e-01	2.3827e+01	7.0929e+00	1.2510e+00
	345	-3.5076e-01	1.0399e-01	-3.9003e-01	1.2128e+02	2.5603e+01	-8.0905e+00
266	357	-1.5509e-01	-5.5127e-31	-6.5294e-02	1.5795e+02	-4.6998e+01	-1.6091e+01
	351	-1.5509e-01	-1.6540e-01	-1.3716e-01	1.6930e+02	3.8313e+00	4.2265e+00
	358	7.2939e-01	-1.6540e-01	-5.8774e-01	1.0307e+02	-1.7402e+01	-6.5568e-01
	120	7.2939e-01	-4.3555e-30	-5.1587e-01	2.4475e+02	5.2722e+01	-2.0974e+01
267	346	-6.6329e-01	0.0000e+00	-4.7665e-01	2.8640e+02	8.1062e+01	4.5885e+01

	345	-6.6329e-01	2.6533e-01	-2.9385e-01	7.9390e+01	-1.1066e+01	1.2632e+01
	351	-1.5509e-01	2.6533e-01	-1.2998e-01	1.6897e+02	8.6754e+00	8.5929e+00
	357	-1.5509e-01	0.0000e+00	-3.1277e-01	1.6316e+02	-6.7489e+01	4.1846e+01
268	14	-2.0956e-01	-4.3968e-30	2.5185e-01	1.2027e+02	-9.2151e+01	-4.4429e+01
	336	-2.0956e-01	1.0399e-01	-3.0392e-01	1.9813e+02	1.3361e+01	-1.3049e+00
	345	-6.6329e-01	1.0399e-01	-4.0706e-01	8.1290e+01	-1.1821e+01	-3.1835e+00
	346	-6.6329e-01	-2.8639e-30	1.4871e-01	2.8075e+02	1.0112e+02	-4.6308e+01
269	341	-6.8973e-02	-5.2558e-02	-3.6268e-01	-8.2085e-02	1.3622e+01	9.9328e+00
	344	-6.8973e-02	1.4219e-15	-6.1388e-01	-1.3032e+01	2.7112e+01	-1.5983e+01
	501	-6.9861e-01	9.9470e-16	-4.8306e-01	-8.9213e+01	-2.0691e+01	-1.9358e+01
	342	-6.9861e-01	-5.2558e-02	-2.3185e-01	3.3691e+01	1.0474e+00	6.5582e+00
270	340	-1.1164e-01	8.5006e-02	-1.8225e-01	1.5185e+01	1.3656e+01	2.1484e+01
	343	-1.1164e-01	0.0000e+00	-5.6802e-02	-4.0566e+00	4.8768e+00	1.5835e+01
	344	-6.8973e-02	0.0000e+00	-2.8200e-01	-3.3752e+00	5.6140e-01	6.6585e+00
	341	-6.8973e-02	8.5006e-02	-4.0744e-01	5.2585e+00	1.4213e+01	1.2308e+01
271	337	6.7226e-01	-7.1265e-02	-3.5243e-01	3.0775e+01	1.9583e+00	1.9528e+01
	500	6.7226e-01	-4.0525e-16	-3.2469e-01	-3.6562e+01	-7.4655e+00	2.8659e+01
	343	-1.1164e-01	-9.2422e-16	-5.8044e-02	-4.5332e+00	1.0568e+01	2.8471e+01
	340	-1.1164e-01	-7.1265e-02	-8.5790e-02	1.3688e+01	1.6036e+00	1.9340e+01
272	330	-2.1066e-01	-2.6892e-02	-2.7673e-01	9.8210e+01	2.9545e+01	1.0666e+01
	341	-2.1066e-01	-5.2558e-02	-3.3007e-01	2.9938e+01	1.2008e+01	1.2782e+01
	342	-3.4033e-01	-5.2558e-02	-2.6816e-01	3.5936e+01	1.6792e+01	6.1859e+00
	336	-3.4033e-01	-2.6892e-02	-2.1482e-01	9.5675e+01	1.5379e+01	4.0697e+00
273	321	-1.6661e-01	-2.5902e-01	-3.9525e-01	7.6291e+01	3.0272e+01	1.3015e+01
	340	-1.6661e-01	8.5006e-02	-4.1408e-01	3.4035e+01	1.2302e+01	2.1699e+01
	341	-2.1066e-01	8.5006e-02	-3.7483e-01	3.2207e+01	2.6036e+01	1.8760e+01
	330	-2.1066e-01	-2.5902e-01	-3.5600e-01	9.2328e+01	1.5250e+01	1.0076e+01
274	320	-1.4184e-01	-8.9987e-03	-2.6229e-02	4.7350e+01	9.3602e+00	3.7623e+00
	337	-1.4184e-01	-7.1265e-02	3.9248e-02	3.5731e+01	1.2132e-01	1.6379e+01
	340	-1.6661e-01	-7.1265e-02	-3.1762e-01	3.9969e+01	3.8209e+00	2.4549e+01
	321	-1.6661e-01	-8.9987e-03	-3.8310e-01	6.3758e+01	-2.5388e+01	1.1932e+01
275	335	-2.5404e-01	5.4189e-16	-2.7589e-01	3.6047e+02	5.8679e+01	2.8684e+01
	330	-2.5404e-01	-2.6892e-02	-9.3205e-02	3.5874e+01	2.9997e+01	-1.5167e+01
	336	-2.0956e-01	-2.6892e-02	-1.6276e-01	2.0300e+02	2.1277e+01	5.2521e+00
	14	-2.0956e-01	6.9089e-16	-3.4545e-01	1.2159e+02	-5.7320e+01	4.9103e+01
276	326	5.4170e-02	-4.2278e-31	-8.0959e-02	5.8791e+01	-9.2604e+01	-1.1577e+02
	321	5.4170e-02	-2.5902e-01	-1.6778e-01	1.3740e+02	5.5772e+00	-1.0567e+01
	330	-2.5404e-01	-2.5902e-01	-1.7248e-01	2.0047e+01	4.4075e+01	9.3763e+00
	335	-2.5404e-01	-4.4734e-31	-8.5663e-02	3.4830e+02	9.3505e+01	-9.5831e+01
277	13	-1.8377e+00	-1.6889e-15	-8.0293e-01	-4.3505e+01	-2.9137e+01	-5.6176e+01
	320	-1.8377e+00	-8.9987e-03	-7.7416e-01	8.4586e+01	-1.3157e+01	-5.8226e+00
	321	5.4170e-02	-8.9987e-03	-1.5562e-01	1.0791e+02	-8.4783e+00	-1.5854e+01
	326	5.4170e-02	-3.6534e-16	-1.8439e-01	1.5570e+01	3.2022e+01	-6.6208e+01
278	294	-7.2196e-02	-1.8771e-01	2.9767e-02	3.7249e+00	-1.7672e-01	-8.8040e-01
	297	-7.2196e-02	-1.1259e-15	-2.0126e-01	8.6672e+00	-4.4823e+00	1.2865e+00
	499	1.8481e-01	-1.1259e-15	5.2814e-02	1.5793e+01	5.8328e+00	2.0306e+00
	295	1.8481e-01	-1.8771e-01	2.8385e-01	-1.3917e+00	-1.6829e+00	-1.3625e-01
279	293	-2.8304e-01	7.1060e-02	3.2208e-01	4.0627e+00	-9.7503e-01	-1.0800e+00
	296	-2.8304e-01	3.9607e-16	1.2747e-01	7.4906e+00	8.7547e-03	-1.0272e+00
	297	-7.2196e-02	-3.4628e-17	-1.4602e-01	7.5613e+00	2.3615e-01	-6.8219e-01
	294	-7.2196e-02	7.1060e-02	4.8598e-02	4.0410e+00	-2.6853e-01	-7.3496e-01
280	292	-1.3439e+00	-5.9817e-02	-4.6646e-02	3.6134e-01	-1.6293e+00	-1.2392e+00
	498	-1.3439e+00	0.0000e+00	4.6882e-01	1.3937e+01	4.9233e+00	-3.4426e+00
	296	-2.8304e-01	-6.6619e-30	6.4674e-01	8.3284e+00	-3.8638e+00	-2.8146e+00
	293	-2.8304e-01	-5.9817e-02	1.3128e-01	3.9264e+00	-2.0307e-02	-6.1123e-01
281	289	-3.3839e-01	-6.5786e-02	1.0466e-01	-6.7916e+00	6.9483e-01	3.1205e-01
	294	-3.3839e-01	-1.8771e-01	2.6221e-01	-3.3954e-01	-1.8086e-01	-1.0627e+00

	295	-1.8334e-01	-1.8771e-01	6.3047e-02	3.9959e+00	1.6672e+00	-6.6765e-01
	291	-1.8334e-01	-6.5786e-02	-9.4507e-02	-1.2402e+01	-9.1256e-01	7.0707e-01
282	286	-3.6211e-01	1.2327e-01	2.3896e-01	-5.1532e+00	-4.7920e-02	1.4689e-02
	293	-3.6211e-01	7.1060e-02	2.1513e-01	-7.7311e-01	4.3560e-01	-7.1705e-01
	294	-3.3839e-01	7.1060e-02	2.8104e-01	-8.7544e-01	1.2698e-01	-1.0267e+00
	289	-3.3839e-01	1.2327e-01	3.0487e-01	-5.7294e+00	1.9461e+00	-2.9492e-01
283	285	-2.4153e-01	-2.5746e-01	1.2233e-01	-6.1069e+00	-1.1874e+00	2.4999e-01
	292	-2.4153e-01	-5.9817e-02	-6.4650e-02	1.3526e+00	7.0699e-01	-6.2667e-01
	293	-3.6211e-01	-5.9817e-02	2.4327e-02	-4.3533e-01	-3.7341e-02	-5.3971e-01
	286	-3.6211e-01	-2.5746e-01	2.1131e-01	-5.1318e+00	1.4819e+00	3.3695e-01
284	290	-2.7294e-01	6.1088e-30	6.6288e-01	-1.8057e+01	1.2517e+01	8.3610e+00
	289	-2.7294e-01	-6.5786e-02	2.0130e-01	-1.0812e+01	4.5338e-01	1.2041e+00
	291	-1.2402e+00	-6.5786e-02	-1.1138e-01	-5.4904e-01	3.6914e+00	2.7137e+00
	20	-1.2402e+00	3.2273e-30	3.5020e-01	-3.4956e+01	-1.4884e+01	9.8706e+00
285	288	-1.1061e-01	-5.6233e-16	-2.7782e-01	-1.1673e+01	4.0051e+00	3.6125e+00
	286	-1.1061e-01	1.2327e-01	-3.6861e-02	-1.1069e+01	2.0649e+00	6.4144e-01
	289	-2.7294e-01	1.2327e-01	4.0152e-01	-1.0748e+01	9.5912e-01	1.2416e+00
	290	-2.7294e-01	3.3969e-16	1.6055e-01	-1.4749e+01	-3.5697e+00	4.2126e+00
286	19	1.5420e-01	1.5005e-03	1.5582e-01	-1.4775e+01	-1.8025e+00	4.5013e-01
	285	1.5819e-01	-2.4867e-01	5.4835e-01	-7.3345e+00	9.8154e-01	6.0588e-01
	286	-7.3609e-02	-2.5461e-01	-2.9490e-02	-1.0686e+01	8.7231e-01	1.0324e+00
	288	-6.9625e-02	-4.2715e-03	-4.2325e-01	-1.1301e+01	1.8282e+00	8.6118e-01
287	281	-7.0517e-02	-1.9030e-02	3.1845e-02	9.6662e+00	-9.8770e-01	-8.2579e-01
	284	-7.0517e-02	-5.3765e-15	-2.8164e-01	7.0877e+00	-1.9392e+00	-6.0388e-01
	497	-7.3703e-01	-2.8030e-15	-2.7319e-01	1.3472e+01	1.6540e+00	-3.1130e-02
	282	-7.3703e-01	-1.9030e-02	4.0296e-02	3.5699e+00	-1.0639e+00	-2.5304e-01
288	280	3.5276e-03	-1.3085e-02	3.0890e-02	1.7668e+01	2.4044e-01	1.2645e-01
	283	3.5276e-03	5.4473e-15	9.3742e-02	7.6200e+00	2.5286e+00	-4.9935e+00
	284	-7.0517e-02	2.8995e-15	-5.5383e-03	7.0526e+00	-3.4925e+00	-4.1262e+00
	281	-7.0517e-02	-1.3085e-02	-6.8391e-02	1.1595e+01	-3.8791e+00	9.9376e-01
289	279	2.4242e-01	-5.9900e-02	-9.1005e-02	-9.1867e+00	-4.3972e+00	-1.5498e+00
	496	2.4242e-01	3.4135e-15	-6.2336e-02	6.4669e+01	2.1442e+01	-1.7951e+01
	283	3.5276e-03	6.1968e-15	6.6743e-02	1.5330e+01	-2.0820e+01	-1.6856e+01
	280	3.5276e-03	-5.9900e-02	3.8073e-02	1.8882e+01	1.6412e+00	-4.5477e-01
290	276	-2.2891e-01	-1.4673e-01	-1.4802e-01	-3.2262e+00	6.1339e-01	1.8453e+00
	281	-2.2891e-01	-1.9030e-02	7.3985e-02	3.0325e+00	-1.6160e+00	8.0019e-01
	282	-3.5064e-01	-1.9030e-02	9.3573e-02	3.8136e+00	2.3787e-01	-3.7418e-02
	278	-3.5064e-01	-1.4673e-01	-1.2844e-01	-5.3627e+00	5.9179e-01	1.0077e+00
291	274	2.8408e-03	1.4333e-01	-1.1376e-01	1.5514e-01	3.2033e+00	4.1479e+00
	280	2.8408e-03	-1.3085e-02	-8.7505e-02	6.1156e-01	-4.1510e+00	3.7037e+00
	281	-2.2891e-01	-1.3085e-02	-2.6251e-02	2.6864e+00	1.1105e+00	1.8089e+00
	276	-2.2891e-01	1.4333e-01	-5.2504e-02	-2.4960e+00	-4.0013e-01	2.2532e+00
292	273	1.5189e-01	-6.2765e-02	2.7489e-02	-1.3824e+01	1.6244e+00	3.1454e+00
	279	1.5189e-01	-5.9900e-02	1.1746e-02	1.6441e+01	-2.5884e+00	2.0320e+00
	280	2.8408e-03	-5.9900e-02	-8.0321e-02	2.9424e+00	1.6350e+00	1.4331e+00
	274	2.8408e-03	-6.2765e-02	-6.4578e-02	-1.7695e+00	-7.3070e-01	2.5465e+00
293	277	-1.0307e-01	1.4301e-15	5.9006e-01	-8.7660e+00	5.8710e+00	4.8528e+00
	276	-1.0307e-01	-1.4673e-01	8.1394e-02	-1.1037e+01	8.8717e-02	9.6894e-01
	278	-1.6981e-01	-1.4673e-01	-5.9448e-01	-1.1548e+00	1.9979e+00	1.6205e+00
	18	-1.6981e-01	7.1323e-17	-8.5810e-02	-2.3686e+01	-5.7937e+00	5.5043e+00
294	275	-2.0146e-02	1.5647e-16	-1.7778e-01	-7.0800e+00	-1.1197e+00	-1.0959e+00
	274	-2.0146e-02	1.4333e-01	-2.3192e-01	-1.5838e+01	3.1157e-01	1.6936e+00
	276	-1.0307e-01	1.4333e-01	1.7691e-01	-1.2165e+01	3.1402e+00	2.5166e+00
	277	-1.0307e-01	-6.8801e-16	2.3106e-01	-7.1352e+00	2.0331e+00	-2.7286e-01
295	17	4.5932e-02	4.4015e-16	1.1639e-01	-5.2482e+01	-1.6764e+01	-1.1914e+01
	273	4.5932e-02	-6.2765e-02	1.8320e-01	7.2019e+00	3.2987e+00	4.2728e-01
	274	-2.0146e-02	-6.2765e-02	-1.8274e-01	-1.6258e+01	-7.8470e-01	1.3848e+00

	275	-2.0146e-02	-3.0481e-16	-2.4955e-01	-1.3016e+01	1.6325e+01	-1.0956e+01
296	268	-5.7475e-02	3.5260e-03	8.7214e-03	4.3395e+00	9.4094e-01	9.5591e-01
	272	-5.7475e-02	0.0000e+00	-3.3843e-01	3.8799e+00	-7.2666e+00	7.0687e+00
	495	-9.1590e-01	0.0000e+00	-3.7688e-01	2.0582e+01	7.5828e+00	7.3211e+00
	269	-9.1590e-01	3.5260e-03	-2.9734e-02	-4.4343e+00	-1.4032e+00	1.2083e+00
297	267	2.0193e-02	-3.2595e-02	-7.9859e-02	-4.1865e-01	-1.4288e+00	2.4066e-01
	271	2.0193e-02	0.0000e+00	1.9245e-02	5.8682e-01	-1.9679e+00	3.4905e+00
	272	-5.7475e-02	-3.4631e-29	-2.3600e-02	1.0118e+00	1.8767e+00	3.5734e+00
	268	-5.7475e-02	-3.2595e-02	-1.2270e-01	3.3713e+00	1.0821e+00	3.2349e-01
298	266	4.7311e-01	-5.8874e-02	-8.2708e-02	3.4125e+00	8.0432e-01	1.1098e+00
	494	4.7311e-01	0.0000e+00	-1.4799e-01	-1.1755e+01	-4.9436e+00	5.3301e+00
	271	2.0193e-02	0.0000e+00	-1.0760e-01	-1.3944e+00	4.6885e+00	5.2548e+00
	267	2.0193e-02	-5.8874e-02	-4.2313e-02	-1.4742e+00	-8.2718e-01	1.0345e+00
299	231	-1.8026e-01	-2.1012e-01	-2.3777e-01	-1.3130e-01	-1.7680e-01	-1.1132e+00
	268	-1.8026e-01	3.5260e-03	1.9930e-02	1.5380e-01	1.1043e+00	-1.7327e-01
	269	-2.7427e-01	3.5260e-03	1.0018e-01	4.8224e+00	-1.0495e+00	-2.0060e-01
	237	-2.7427e-01	-2.1012e-01	-1.5753e-01	-3.5808e+00	3.1586e-01	-1.1406e+00
300	229	6.2876e-03	2.2419e-01	-2.6862e-01	-1.2614e+00	-5.8750e-01	-1.4109e+00
	267	6.2876e-03	-3.2595e-02	-2.1206e-01	4.1370e-01	1.4869e+00	-1.0067e+00
	268	-1.8026e-01	-3.2595e-02	-1.1150e-01	-6.3266e-01	-1.7217e+00	-1.2531e+00
	231	-1.8026e-01	2.2419e-01	-1.6806e-01	3.0912e-01	1.1127e+00	-1.6573e+00
301	228	1.0205e-01	-5.9583e-02	3.9573e-02	3.6285e-01	6.3326e-02	-9.0879e-01
	266	1.0205e-01	-5.8874e-02	2.4726e-02	-2.9110e+00	8.3476e-01	1.1478e-01
	267	6.2876e-03	-5.8874e-02	-1.7451e-01	-3.9474e-02	-1.0353e+00	-4.4711e-02
	229	6.2876e-03	-5.9583e-02	-1.5966e-01	-1.1811e+00	2.2809e-01	-1.0683e+00
302	232	-9.6389e-02	0.0000e+00	6.6106e-01	-2.4529e+00	3.7785e+00	2.1743e+00
	231	-9.6389e-02	-2.1012e-01	1.0795e-01	-3.2887e+00	-1.1647e-01	-6.6970e-01
	237	3.7447e-01	-2.1012e-01	-9.0896e-01	2.1697e+00	5.7939e-01	-4.7971e-01
	16	3.7447e-01	0.0000e+00	-3.5585e-01	-1.1600e+01	-3.9015e+00	2.3643e+00
303	230	-3.3202e-02	2.2240e-29	-2.0351e-01	-1.1498e+00	6.9410e-01	-6.2045e-02
	229	-3.3202e-02	2.2419e-01	-3.7340e-01	-1.4441e+00	9.5598e-01	-1.1919e+00
	231	-9.6389e-02	2.2419e-01	1.7766e-01	-3.0509e+00	-3.8055e-01	-1.0549e+00
	232	-9.6389e-02	1.1439e-29	3.4755e-01	-1.0084e+00	-5.4120e-01	7.4956e-02
304	15	-2.0861e-01	0.0000e+00	9.3400e-02	3.5866e-01	6.0344e-01	-2.4045e-01
	228	-2.0861e-01	-5.9583e-02	2.0520e-01	-1.6745e+00	2.2080e-01	-7.0501e-01
	229	-3.3202e-02	-5.9583e-02	-2.6444e-01	-1.1085e+00	5.4735e-02	-6.4595e-01
	230	-3.3202e-02	0.0000e+00	-3.7624e-01	-8.0986e-01	-5.1008e-01	-1.8138e-01
305	224	-1.0634e-01	-3.4372e-02	5.9386e-01	1.4929e+00	-1.0442e+00	3.6899e-01
	227	-1.0634e-01	-8.0501e-16	1.0364e-01	-1.5621e+00	3.9365e+00	-7.0902e+00
	493	1.9454e-01	4.7418e-16	2.1831e-02	-1.9737e+01	-3.4579e+00	-5.1653e+00
	225	1.9454e-01	-3.4372e-02	5.1206e-01	2.3986e+00	-1.8031e+00	2.2940e+00
306	223	2.0131e-01	-1.4626e-01	6.7500e-01	6.3887e+00	-1.9176e+00	-4.0375e+00
	226	2.0131e-01	1.2311e-15	5.3400e-01	1.1106e+00	1.7073e-01	-5.3989e+00
	227	-1.0634e-01	4.6573e-15	4.0756e-01	1.1538e+00	-6.4004e-01	-3.2744e+00
	224	-1.0634e-01	-1.4626e-01	5.4857e-01	3.1936e+00	-2.2224e+00	-1.9129e+00
307	222	-1.8019e+00	-1.2841e-01	2.6296e-01	8.2161e+00	-7.2654e-01	-7.0806e+00
	492	-1.8019e+00	-3.3908e-15	8.7023e-01	-4.8284e+00	-6.6602e-01	-5.3735e+00
	226	2.0131e-01	-2.5974e-15	1.0752e+00	1.9790e-01	1.0846e+00	-3.9458e+00
	223	2.0131e-01	-1.2841e-01	4.6795e-01	7.1420e+00	-1.3215e+00	-5.6529e+00
308	219	-3.7204e-01	-1.4813e-01	2.9505e-01	1.2887e+01	-3.2174e+00	3.4427e+00
	224	-3.7204e-01	-3.4372e-02	7.6999e-01	5.3022e+00	-2.6966e+00	1.8772e+00
	225	-9.3885e-01	-3.4372e-02	3.7526e-01	3.2124e+00	3.5137e-01	3.7871e+00
	221	-9.3885e-01	-1.4813e-01	-9.9682e-02	1.1352e+01	-2.4276e+00	5.3525e+00
309	217	-7.1976e-02	-1.2615e-01	6.1047e-01	1.7299e+01	-9.0719e+00	-1.4126e+00
	223	-7.1976e-02	-1.4626e-01	7.2666e-01	1.1120e+01	-2.5540e+00	-4.9247e+00
	224	-3.7204e-01	-1.4626e-01	7.2469e-01	8.1945e+00	-3.6909e+00	5.4657e-01
	219	-3.7204e-01	-1.2615e-01	6.0851e-01	1.2094e+01	-6.6260e+00	4.0587e+00

310	216	-1.0661e-01	-1.2176e-02	1.6635e-01	2.6326e+01	-4.3778e+00	-5.2317e+00
	222	-1.0661e-01	-1.2841e-01	1.1671e-01	1.1368e+01	8.6520e-01	-8.0087e+00
	223	-7.1976e-02	-1.2841e-01	5.1960e-01	9.8829e+00	-2.3043e+00	-5.1836e+00
	217	-7.1976e-02	-1.2176e-02	5.6924e-01	2.1382e+01	-1.9423e+00	-2.4066e+00
311	220	2.3934e-01	-3.1860e-15	1.5973e+00	5.7712e+00	-7.2484e+00	-6.6567e+00
	219	2.3934e-01	-1.4813e-01	2.4608e-01	1.7488e+01	-6.1343e+00	4.5348e+00
	221	-2.6524e+00	-1.4813e-01	-3.3450e-02	9.3596e+00	2.0141e+00	3.0190e+00
	10	-2.6524e+00	-2.5988e-15	1.3178e+00	3.9809e+01	5.7471e+00	-8.1725e+00
312	218	-1.5008e-01	6.0521e-16	3.4966e-01	4.1789e+00	2.3591e-01	1.2039e+01
	217	-1.5008e-01	-1.2615e-01	3.9064e-01	2.4279e+01	-8.4927e+00	8.0109e+00
	219	2.3934e-01	-1.2615e-01	5.5954e-01	1.4740e+01	-7.1742e+00	-9.2421e-02
	220	2.3934e-01	9.5614e-16	5.1856e-01	4.3917e+00	-1.9023e+00	3.9360e+00
313	9	1.1623e+00	-9.0450e-16	5.0222e-01	1.0690e+02	1.6946e+01	3.4930e+01
	216	1.1623e+00	-1.2176e-02	3.2106e-01	2.0551e+01	6.6314e+00	6.9953e-01
	217	-1.5008e-01	-1.2176e-02	3.4942e-01	3.4792e+01	-9.6281e+00	7.7845e-01
	218	-1.5008e-01	-9.7916e-16	5.3057e-01	1.3411e+01	-2.0079e+01	3.5009e+01
314	210	-1.4874e+00	-1.2016e+00	-1.0971e+00	-1.0983e+01	-1.9628e+00	1.1277e+01
	215	-1.4874e+00	-1.7097e-14	-5.6612e+00	6.7579e+01	-6.0123e+01	5.0368e+01
	479	-7.2693e+00	-9.1831e-15	-2.4920e+00	2.3810e+02	5.9241e+01	5.6652e+01
	211	-7.2693e+00	-1.2016e+00	2.0721e+00	-1.2855e+02	-1.7476e+01	1.7562e+01
315	209	-1.4706e+00	3.3506e-02	2.2889e+00	4.8888e+01	-1.3085e+01	1.4348e+01
	212	-1.4706e+00	-5.7800e-15	1.9854e+00	5.4730e+01	1.5196e+01	-2.2054e+01
	215	-1.4874e+00	2.5072e-15	-1.8264e+00	5.2063e+01	-2.4961e+01	-7.2568e+00
	210	-1.4874e+00	3.3506e-02	-1.5230e+00	2.2466e+00	-4.0375e+01	2.9146e+01
316	208	-8.7873e+00	-1.0517e+00	-1.2205e+00	-2.1677e+02	-4.0676e+01	4.0395e+00
	478	-8.7873e+00	-4.7697e-15	3.0605e+00	6.2507e+02	1.9701e+02	-1.5834e+02
	212	-1.4706e+00	9.0976e-15	6.0591e+00	1.2880e+02	-1.9837e+02	-1.4611e+02
	209	-1.4706e+00	-1.0517e+00	1.7781e+00	5.9548e+01	3.2168e+00	1.6262e+01
317	205	-4.1578e+00	4.5203e-02	-2.1046e-01	-2.9345e+02	4.5175e+01	3.1703e+01
	210	-4.1578e+00	-1.2016e+00	4.5930e-01	-1.6775e+02	-5.6174e+00	2.5188e+01
	211	-3.2996e+00	-1.2016e+00	5.4564e-01	-1.0905e+02	2.5647e+00	4.3723e+00
	207	-3.2996e+00	4.5203e-02	-1.2411e-01	-3.6098e+02	1.3242e+01	1.0888e+01
318	203	-3.6996e+00	-2.5965e+00	9.9614e-01	-3.4379e+02	2.5848e+01	3.1411e+01
	209	-3.6996e+00	3.3506e-02	1.0781e+00	-1.5005e+02	-4.4249e+01	5.2261e+01
	210	-4.1578e+00	3.3506e-02	3.3389e-02	-1.7034e+02	-1.8261e+00	3.0953e+01
	205	-4.1578e+00	-2.5965e+00	-4.8625e-02	-2.9526e+02	-9.0021e+00	1.0103e+01
319	202	-2.6601e+00	-3.8363e-01	-4.6614e-01	-4.3233e+02	1.1692e+01	4.3500e+01
	208	-2.6601e+00	-1.0517e+00	-2.6228e-01	-4.4211e+01	-4.4889e+01	2.9281e+01
	209	-3.6996e+00	-1.0517e+00	5.6735e-01	-1.2381e+02	8.5381e+00	3.2844e+01
	203	-3.6996e+00	-3.8363e-01	3.6349e-01	-3.7200e+02	-5.8564e+01	4.7063e+01
320	206	-9.0714e-01	2.9749e-15	1.4061e+00	-2.7385e+02	1.4977e+02	6.9513e+01
	205	-9.0714e-01	4.5203e-02	-7.7705e-01	-5.9899e+02	-7.6778e-01	-8.1686e+00
	207	-1.3249e+01	4.5203e-02	4.8904e+00	-2.5184e+02	6.5200e+01	9.8400e+00
	6	-1.3249e+01	1.4363e-14	7.0736e+00	-7.2622e+02	-1.3852e+02	8.7522e+01
321	204	-1.8588e+00	-3.9798e-16	9.6351e-02	-8.3289e+02	-2.2351e+02	-1.9481e+02
	203	-1.8588e+00	-2.5965e+00	3.4690e-01	-3.4796e+02	4.9755e+00	-3.4450e+00
	205	-9.0714e-01	-2.5965e+00	-6.1521e-01	-6.2768e+02	2.4410e+01	4.9451e+00
	206	-9.0714e-01	1.7211e-15	-8.6576e-01	-2.9395e+02	2.2812e+02	-1.8642e+02
322	5	-8.2819e+00	-6.0179e-15	-3.0979e+00	-9.7338e+02	-5.7076e+01	-6.7056e+01
	202	-8.2819e+00	-3.8363e-01	-3.5131e+00	-4.2438e+02	-2.5038e+01	8.3519e+00
	203	-1.8588e+00	-3.8363e-01	-2.8575e-01	-3.7385e+02	-6.5048e+00	2.0241e+00
	204	-1.8588e+00	4.6638e-16	1.2944e-01	-9.2176e+02	4.4220e+01	-7.3384e+01
323	198	-1.5646e+00	-1.2243e+00	-1.4815e+00	-8.6987e+00	-6.5298e+00	2.0040e+01
	201	-1.5646e+00	-1.0412e-14	-6.2304e+00	-7.0148e+01	5.5289e+01	-1.8230e+01
	475	-8.4998e+00	-8.6991e-15	-3.2819e+00	-2.2834e+02	-5.7355e+01	-1.9587e+01
	199	-8.4998e+00	-1.2243e+00	1.4671e+00	9.7657e+01	8.4709e+00	1.8683e+01
324	197	-1.7077e+00	-1.8886e-01	1.9223e+00	-7.6718e+01	-1.5338e+01	-4.7450e+00

	200	-1.7077e+00	0.0000e+00	1.7723e+00	-5.2190e+01	-2.0161e+01	3.3050e+01
	201	-1.5646e+00	6.8245e-29	-2.1025e+00	-5.2757e+01	2.0228e+01	3.2915e+01
	198	-1.5646e+00	-1.8886e-01	-1.9525e+00	-2.4956e+01	1.5802e+01	-4.8795e+00
325	196	-1.0199e+01	-1.1975e+00	-1.3637e+00	1.8844e+02	2.8826e+01	-8.9027e+00
	474	-1.0199e+01	4.5036e-15	3.7814e+00	-6.2322e+02	-1.9966e+02	1.5405e+02
	200	-1.7077e+00	4.5036e-15	6.4285e+00	-1.2739e+02	1.9489e+02	1.5139e+02
	197	-1.7077e+00	-1.1975e+00	1.2834e+00	-8.6660e+01	-2.5733e+01	-1.1565e+01
326	191	-4.2761e+00	-4.2426e-02	-4.6849e-01	2.5422e+02	-1.9365e+01	-1.6996e+01
	198	-4.2761e+00	-1.2243e+00	1.2529e-02	1.3049e+02	-1.1539e+01	1.4600e+01
	199	-2.7183e+00	-1.2243e+00	5.3973e-01	5.8517e+01	-5.9483e+00	3.4918e+01
	193	-2.7183e+00	-4.2426e-02	5.8708e-02	3.6899e+02	-5.8120e+01	3.3212e+00
327	189	-4.7991e+00	-3.2984e+00	4.7707e-01	2.0671e+02	-9.9504e+01	-4.6657e+01
	197	-4.7991e+00	-1.8886e-01	5.4545e-01	1.6485e+02	3.2066e+00	-4.4508e+01
	198	-4.2761e+00	-1.8886e-01	-4.5855e-01	1.4738e+02	-3.5319e+01	1.5042e+00
	191	-4.2761e+00	-3.2984e+00	-5.2693e-01	2.2709e+02	-6.8484e+01	-6.4480e-01
328	188	-3.9636e+00	2.6748e-02	2.7461e-02	4.4134e+02	-7.3828e+01	-3.1742e+01
	196	-3.9636e+00	-1.1975e+00	-6.2181e-01	-3.4777e+01	1.8848e+01	-5.2888e+01
	197	-4.7991e+00	-1.1975e+00	-9.3470e-02	1.3290e+02	-3.8328e+01	-3.3659e+01
	189	-4.7991e+00	2.6748e-02	5.5580e-01	2.4503e+02	-2.4343e+00	-1.2514e+01
329	192	-1.0124e+00	1.7635e-15	1.5106e+00	3.1581e+02	-2.9617e+02	-2.2977e+02
	191	-1.0124e+00	-4.2426e-02	-9.2810e-01	5.1314e+02	-9.6331e+00	-6.7429e+00
	193	-1.2378e+01	-4.2426e-02	4.7523e+00	5.2948e+01	-7.4498e+01	-3.1603e+01
	8	-1.2378e+01	8.0037e-15	7.1910e+00	1.0781e+03	2.8546e+02	-2.5463e+02
330	190	-1.1393e+00	-4.5939e-29	1.2605e+00	2.1702e+02	-3.6700e+00	3.6275e+01
	189	-1.1393e+00	-3.2984e+00	1.1030e+00	5.6249e+02	-7.0371e+01	9.5984e+00
	191	-1.0124e+00	-3.2984e+00	-9.8654e-01	5.2436e+02	-9.4906e+01	-3.4398e+01
	192	-1.0124e+00	-1.6812e-29	-8.2899e-01	2.1903e+02	-3.1685e+01	-7.7213e+00
331	7	-1.4034e+01	-1.9351e-28	-7.6686e+00	1.3615e+03	3.8679e+02	3.3258e+02
	188	-1.4034e+01	2.6748e-02	-5.0119e+00	-1.8216e+01	-8.5954e+01	2.3194e+01
	189	-1.1393e+00	2.6748e-02	1.1817e+00	5.6893e+02	6.9317e-01	-2.6963e+00
	190	-1.1393e+00	-3.7221e-29	-1.4750e+00	3.5532e+02	-3.9560e+02	3.0669e+02
766	166	-2.7740e-01	-2.0784e-15	1.3015e+00	8.2474e+01	4.0036e+01	2.6115e+01
	169	-2.7740e-01	-1.2044e-14	1.1065e+00	6.2161e+01	4.2089e+01	-3.1244e+01
	170	-6.5254e-01	1.5447e-15	-9.0483e-01	1.7171e+01	-4.2056e+01	-3.1221e+01
	167	-6.5254e-01	-2.2435e-16	-7.0987e-01	4.7341e+01	-4.0068e+01	2.6137e+01
767	164	-1.2159e+00	-1.0825e-14	1.1140e+00	2.0065e+02	4.0736e+01	2.7089e+01
	166	-1.2159e+00	-2.9758e-15	1.2815e+00	-2.2352e+02	-3.1940e+01	2.0945e+01
	167	-1.8093e+00	4.9014e-15	-5.4150e-01	-4.9772e+01	3.2258e+01	2.1167e+01
	165	-1.8093e+00	-4.6998e-15	-7.0908e-01	1.8322e+01	-4.1054e+01	2.7310e+01
768	3	-2.2710e+00	6.6540e-16	9.8734e-01	1.5960e+02	3.0586e+01	2.0623e+01
	164	-2.2710e+00	-7.1060e-15	6.8773e-01	-1.6664e+02	-4.0439e+01	2.7504e+01
	165	-2.9454e+00	-1.2292e-16	-5.2585e-01	1.1878e+01	4.0636e+01	2.7642e+01
	2	-2.9454e+00	-1.7124e-16	-2.2624e-01	-9.3083e+00	-3.0783e+01	2.0760e+01
769	128	-3.3705e-01	-7.6881e-16	9.7365e-01	-4.1598e+01	-3.9902e+01	-2.9717e+01
	162	-3.3705e-01	0.0000e+00	8.6787e-01	-1.2255e+02	-4.4281e+01	2.9080e+01
	163	-4.8282e-01	-1.3445e-15	-7.3293e-01	-7.0580e+01	4.4372e+01	2.9143e+01
	129	-4.8282e-01	1.9220e-16	-6.2715e-01	-1.1435e+01	3.9811e+01	-2.9653e+01
770	124	-1.7003e+00	-5.2265e-15	9.9675e-01	-1.6672e+02	-4.1836e+01	-3.0583e+01
	128	-1.7003e+00	9.0072e-15	1.0647e+00	1.9137e+02	3.2244e+01	-2.3884e+01
	129	-1.1583e+00	8.0985e-15	-5.2218e-01	1.4809e+01	-3.2472e+01	-2.4043e+01
	125	-1.1583e+00	-4.3229e-15	-5.9014e-01	1.9203e+01	4.2064e+01	-3.0743e+01
771	4	-3.0212e+00	1.6414e-15	8.4351e-01	-1.3055e+02	-3.1658e+01	-2.2851e+01
	124	-3.0212e+00	0.0000e+00	7.2114e-01	1.2794e+02	4.2447e+01	-3.0386e+01
	125	-1.9200e+00	-5.1076e-16	-5.2681e-01	-5.8311e+01	-4.2547e+01	-3.0456e+01
	54	-1.9200e+00	2.4044e-15	-4.0444e-01	4.5179e+01	3.1758e+01	-2.2921e+01
772	119	-1.9940e-01	-6.0537e-15	5.5273e-01	1.7719e+02	1.4144e+01	1.5037e+01
	122	-1.9940e-01	3.1741e-15	4.6313e-01	-1.1291e+02	7.7817e+00	-1.1137e+01

	123	3.4324e-03	5.2737e-15	-2.5433e-01	-2.1177e+01	3.1145e+00	1.8703e+00
	121	3.4324e-03	-8.9443e-15	-1.6473e-01	2.2969e+01	-2.5041e+01	2.8045e+01
773	117	-6.1661e-01	-3.7375e-15	4.1621e-01	2.1452e+02	5.4370e+00	5.1272e+00
	119	-6.1661e-01	3.2050e-15	4.8242e-01	-2.3377e+02	-9.2454e+00	9.6734e+00
	121	3.4598e-03	-1.8373e-15	-1.5231e-01	-1.4714e+01	2.4545e+01	2.7938e+01
	118	3.4598e-03	-6.6951e-15	-2.1852e-01	6.3183e+00	-2.0737e+01	2.3391e+01
774	72	-1.1620e+00	-1.2887e-15	4.3806e-01	2.1679e+02	8.7604e+00	9.7176e+00
	117	-1.1620e+00	-1.2446e-15	4.0042e-01	-2.0823e+02	-5.7878e+00	6.1691e+00
	118	9.9622e-02	-4.3386e-15	-2.1051e-01	-6.8712e+00	2.0094e+01	2.3247e+01
	73	9.9622e-02	5.2292e-17	-1.7286e-01	6.9573e+00	-2.3067e+01	2.6796e+01
775	113	-7.3699e-03	-1.0639e-14	6.7247e-02	-3.4248e+01	-6.9491e+00	-5.1947e+00
	115	-7.3699e-03	-6.1067e-02	6.8749e-02	3.8343e+01	4.7383e+00	-7.2491e+00
	116	-3.8315e-02	-6.1067e-02	1.6522e-02	2.7157e+00	-4.1458e+00	-6.8517e+00
	114	-3.8315e-02	-9.2093e-15	1.5020e-02	-1.3688e+00	6.3530e+00	-4.7972e+00
776	111	1.0186e-01	-1.0556e-14	6.8195e-02	-3.2209e+01	-7.3231e+00	-5.3013e+00
	113	1.0186e-01	6.5670e-15	6.6356e-02	3.2387e+01	7.4863e+00	-5.4104e+00
	114	-2.0360e-01	-3.6619e-15	8.9986e-03	3.3152e-01	-6.9796e+00	-5.0715e+00
	112	-2.0360e-01	-4.6953e-15	1.0838e-02	-2.9930e-01	6.8165e+00	-4.9624e+00
777	70	2.4428e-01	-1.3690e-15	5.7146e-02	-3.0964e+01	-7.4252e+00	-5.1849e+00
	111	2.4428e-01	-6.8190e-15	6.1786e-02	3.2617e+01	7.4680e+00	-5.2135e+00
	112	-4.0822e-01	-4.1671e-15	2.5192e-02	3.8458e-01	-6.9807e+00	-4.8876e+00
	71	-4.0822e-01	-2.4213e-15	2.0553e-02	1.2306e+00	6.9379e+00	-4.8590e+00
778	107	-4.5575e-02	9.6578e-16	4.3805e-02	-1.3356e+00	1.0431e-01	-3.9585e-01
	109	-4.5575e-02	1.7954e-02	4.5879e-02	8.3338e-01	1.1186e+00	-1.8511e-01
	110	-4.9841e-02	1.7954e-02	-5.4038e-02	2.0831e+00	-2.6480e+00	-3.2723e-01
	108	-4.9841e-02	6.0298e-16	-5.6111e-02	-2.3838e+00	-1.0393e+00	-5.3797e-01
779	105	-1.8095e-01	5.1015e-17	1.3224e-02	-7.1289e-01	5.1287e-01	-1.5871e-01
	107	-1.8095e-01	1.1259e-15	2.7439e-02	2.6909e+00	-5.5330e-02	-3.7747e-01
	108	-1.5650e-01	1.1134e-15	-5.4552e-02	3.9155e+00	6.4997e-01	-9.3160e-02
	106	-1.5650e-01	4.8384e-18	-6.8766e-02	-2.1466e+00	-1.1075e+00	1.2560e-01
780	68	-3.6604e-01	1.5796e-16	-6.6397e-03	7.5779e-01	2.2301e-01	-1.1267e-01
	105	-3.6604e-01	3.8703e-16	-2.0393e-02	3.3611e+00	-3.5802e-01	-4.8117e-02
	106	-2.4535e-01	3.9067e-16	-5.4092e-02	4.6040e+00	8.3737e-01	1.8107e-01
	69	-2.4535e-01	3.0878e-17	-4.0339e-02	-4.2338e-01	-7.0236e-01	1.1652e-01
781	101	-2.8710e-02	-1.1694e-29	7.7783e-03	-1.9360e+00	5.3965e+00	2.3641e+00
	103	-2.8710e-02	-5.8082e-02	1.9490e-02	3.1373e+00	-8.1547e+00	3.1105e+00
	104	2.4461e-04	-5.8082e-02	-1.0846e-01	3.1874e+01	1.0422e+01	3.9295e+00
	102	2.4461e-04	2.5058e-30	-1.2018e-01	-2.9675e+01	-5.5784e+00	3.1831e+00
782	99	-1.5532e-01	-1.1203e-29	-1.0654e-02	-2.6750e+00	4.8090e+00	2.8121e+00
	101	-1.5532e-01	0.0000e+00	-2.5851e-03	1.9708e+00	-4.8943e+00	2.8691e+00
	102	1.3218e-01	-1.1773e-29	-1.0479e-01	2.4655e+01	5.3182e+00	3.1526e+00
	100	1.3218e-01	2.4006e-30	-1.1285e-01	-2.5283e+01	-5.2329e+00	3.0956e+00
783	66	-2.8470e-01	-9.9513e-30	-2.3791e-02	-3.2563e+00	4.9432e+00	3.0865e+00
	99	-2.8470e-01	0.0000e+00	-3.3567e-02	2.4500e+00	-4.6476e+00	2.8888e+00
	100	3.4062e-01	-6.9876e-30	-1.1095e-01	2.4741e+01	5.0846e+00	3.1810e+00
	67	3.4062e-01	2.1324e-30	-1.0118e-01	-2.5812e+01	-5.3802e+00	3.3787e+00
784	95	-1.3246e-01	2.8147e-16	7.6336e-02	2.1370e+00	3.8444e+00	1.3960e+00
	97	-1.3246e-01	0.0000e+00	6.3205e-02	-1.0422e+00	-2.9711e+00	6.5917e-01
	98	-7.3975e-02	1.6213e-31	-2.3349e-01	1.9060e+01	1.9775e+00	-1.7917e-01
	96	-7.3975e-02	2.8147e-16	-2.2036e-01	-1.9208e+01	-2.8508e+00	5.5768e-01
785	93	-2.8325e-01	9.1960e-32	6.6363e-02	9.6275e+00	3.3138e+00	1.4328e+00
	95	-2.8325e-01	2.8147e-16	6.0231e-02	-9.0659e-01	-3.2709e+00	1.3966e+00
	96	-1.8822e-01	2.8147e-16	-1.6071e-01	2.0337e+01	2.6627e+00	8.8340e-01
	94	-1.8822e-01	-4.5980e-32	-1.5458e-01	-1.1677e+01	-2.7056e+00	9.1959e-01
786	63	-4.2636e-01	1.0554e-31	-1.7001e-02	-3.5737e+00	1.3997e+00	4.4090e-01
	93	-4.2636e-01	0.0000e+00	-8.8887e-03	7.5071e+00	-3.5283e+00	2.2369e+00
	94	-3.2444e-01	-9.0805e-32	-1.0240e-01	2.1762e+01	2.1793e+00	1.0986e+00

	62	-3.2444e-01	-5.2770e-32	-1.1051e-01	-1.4798e+01	-5.0689e-02	-6.9736e-01
787	88	-4.7650e-03	-1.0580e-14	7.4130e-05	-1.6399e+02	-3.7882e+00	-6.3699e+00
	90	-4.7650e-03	3.1642e-15	-1.0292e-02	1.8076e+02	5.0759e+00	-7.9070e+00
	92	6.8238e-02	5.2383e-15	-2.2419e-02	2.6446e+01	-1.7612e+01	-2.2872e+01
	89	6.8238e-02	-4.4398e-15	-1.2053e-02	-1.3344e+01	1.6324e+01	-2.1335e+01
788	86	-2.3643e-01	2.9955e-15	-8.5915e-03	-1.4891e+02	-4.4412e+00	-6.6649e+00
	88	-2.3643e-01	-1.3172e-15	1.5150e-02	1.4513e+02	5.6613e+00	-8.1215e+00
	89	2.4187e-01	2.7116e-15	-3.5049e-02	9.7173e-01	-1.5547e+01	-1.9923e+01
	87	2.4187e-01	6.1194e-17	-5.8790e-02	-8.2317e+00	1.4327e+01	-1.8466e+01
789	65	-5.0601e-01	9.1523e-16	4.5711e-02	-1.3393e+02	-2.7965e+00	-4.0784e+00
	86	-5.0601e-01	3.2402e-15	2.2217e-03	1.4053e+02	5.3464e+00	-7.1223e+00
	87	4.7806e-01	2.5259e-15	-7.9395e-02	1.0224e+01	-1.4982e+01	-1.8625e+01
	64	4.7806e-01	5.4232e-17	-3.5906e-02	-1.0887e+01	1.2432e+01	-1.5581e+01
790	82	-4.4001e-01	0.0000e+00	8.0386e-01	2.7684e+02	7.2710e+01	4.8936e+01
	84	-4.4001e-01	0.0000e+00	8.5417e-01	-2.6585e+02	-7.5589e+01	5.0947e+01
	85	-5.8044e-01	0.0000e+00	-1.0439e+00	9.7835e+01	7.5822e+01	5.1109e+01
	83	-5.8044e-01	0.0000e+00	-1.0942e+00	-8.4040e+01	-7.2943e+01	4.9098e+01
791	80	-1.5517e+00	0.0000e+00	6.9591e-01	2.7634e+02	6.9753e+01	4.7355e+01
	82	-1.5517e+00	0.0000e+00	6.7665e-01	-2.8361e+02	-7.2842e+01	4.9512e+01
	83	-1.4044e+00	0.0000e+00	-9.7056e-01	6.6362e+01	7.3115e+01	4.9703e+01
	81	-1.4044e+00	0.0000e+00	-9.5130e-01	-7.0617e+01	-7.0026e+01	4.7546e+01
792	59	-2.5830e+00	0.0000e+00	3.9196e-01	2.4352e+02	6.2959e+01	4.3232e+01
	80	-2.5830e+00	0.0000e+00	3.6056e-01	-2.5566e+02	-7.0195e+01	4.8287e+01
	81	-2.4348e+00	0.0000e+00	-5.6349e-01	7.3188e+01	7.0420e+01	4.8444e+01
	57	-2.4348e+00	0.0000e+00	-5.3209e-01	-7.8271e+01	-6.3183e+01	4.3389e+01
793	76	-5.1292e-01	-9.5643e-15	1.1477e+00	-7.5411e+01	-8.2104e+01	-5.9192e+01
	78	-5.1292e-01	0.0000e+00	1.1079e+00	8.2469e+01	9.5116e+01	-6.8280e+01
	79	-5.2088e-01	-1.3009e-15	-8.9508e-01	-3.5527e+02	-9.4763e+01	-6.8033e+01
	77	-5.2088e-01	-8.8679e-15	-8.5528e-01	3.4963e+02	8.1751e+01	-5.8946e+01
794	74	-1.5298e+00	-5.8289e-16	1.0095e+00	-5.1814e+01	-7.9529e+01	-5.6909e+01
	76	-1.5298e+00	0.0000e+00	1.1010e+00	4.9493e+01	8.3922e+01	-5.9977e+01
	77	-1.5056e+00	-9.4928e-16	-7.9825e-01	-3.5038e+02	-8.3539e+01	-5.9710e+01
	75	-1.5056e+00	1.4572e-16	-8.8974e-01	3.4378e+02	7.9146e+01	-5.6642e+01
795	55	-2.7401e+00	-2.7901e-15	1.0069e+00	-7.6666e+01	-6.7829e+01	-4.8115e+01
	74	-2.7401e+00	4.5036e-15	8.1469e-01	5.4625e+01	8.1439e+01	-5.7620e+01
	75	-2.3392e+00	3.9160e-15	-7.8534e-01	-3.1536e+02	-8.1140e+01	-5.7411e+01
	56	-2.3392e+00	-2.1172e-15	-5.9312e-01	2.8004e+02	6.7530e+01	-4.7905e+01
796	503	-2.0802e+00	-1.3605e-16	-5.5351e-02	1.1035e+02	-5.2323e+00	-5.6068e+00
	72	-2.0802e+00	1.1722e-15	1.5499e-02	-1.7195e+02	-1.2424e+01	1.4894e+01
	73	-5.1241e-02	2.6270e-15	2.4364e-01	-2.6929e+01	2.3215e+01	2.7423e+01
	504	-5.1241e-02	4.3772e-17	1.7279e-01	1.2936e+01	-5.5581e+00	6.9219e+00
797	496	4.0679e-01	1.2022e-15	4.6706e-02	-3.4640e+01	-9.0784e+00	-5.7663e+00
	70	4.0679e-01	-2.0471e-15	3.1203e-02	3.5458e+01	8.0583e+00	-5.1028e+00
	71	-6.3327e-01	-2.0380e-15	3.9027e-02	1.6486e+00	-7.1075e+00	-4.4843e+00
	497	-6.3327e-01	9.8489e-16	5.4530e-02	3.2347e-02	8.1276e+00	-5.1479e+00
798	498	-5.7425e-01	-2.5834e-17	-5.9081e-02	3.3926e+00	-8.5004e-01	-2.5651e-01
	68	-5.7425e-01	2.8147e-16	-4.0081e-02	3.7229e+00	-1.8981e-01	2.2707e-01
	69	-2.4358e-01	3.9762e-16	2.6855e-02	3.1703e+00	1.3110e-01	1.9977e-01
	499	-2.4358e-01	6.4584e-18	7.8542e-03	4.3948e+00	9.0875e-01	-2.8381e-01
799	495	-3.5759e-01	2.2518e-15	3.7497e-02	-9.2731e-01	5.4698e+00	3.6967e+00
	66	-3.5759e-01	0.0000e+00	1.2814e-02	-8.1727e-01	-4.6407e+00	3.1574e+00
	67	4.5488e-01	-2.6599e-30	-7.3293e-02	2.1498e+01	5.2446e+00	3.5502e+00
	494	4.5488e-01	2.2518e-15	-4.8611e-02	-2.3944e+01	-6.0737e+00	4.0895e+00
800	493	4.4034e-01	5.6148e-16	-9.9230e-02	3.0018e+01	-5.4208e+00	-5.8257e+00
	64	4.4034e-01	1.0998e-15	-5.4631e-02	-1.1127e+01	1.3783e+01	-1.5534e+01
	65	-6.8284e-01	2.5597e-15	-8.3304e-02	-9.8777e+01	-5.9099e+00	-6.3935e+00
	492	-6.8284e-01	1.1650e-15	-1.2790e-01	9.5123e+01	-2.4518e+00	3.3152e+00

801	500	-1.8515e-01	-9.0926e-32	-1.0208e-01	-4.8122e+01	3.9419e+00	3.7034e+00
	62	-1.8515e-01	0.0000e+00	-9.6321e-02	-3.7504e+00	-1.3261e+00	1.5567e+00
	63	-7.6990e-01	0.0000e+00	2.0687e-01	3.1177e+00	-1.3792e+00	-6.6343e-01
	501	-7.6990e-01	0.0000e+00	2.0111e-01	-5.8514e+01	-1.2366e+00	1.4833e+00
802	489	-3.2294e+00	1.1259e-15	-3.6433e-01	1.2937e+01	3.1766e+01	2.2048e+01
	57	-3.2294e+00	0.0000e+00	-6.0307e-01	-3.2210e+01	-6.6535e+01	4.5668e+01
	59	-4.2188e+00	0.0000e+00	8.5511e-01	2.1468e+02	6.8276e+01	4.6850e+01
	488	-4.2188e+00	1.1259e-15	1.0938e+00	-2.0186e+02	-3.3507e+01	2.3231e+01
803	482	-3.8244e+00	-6.7247e-16	1.8671e-01	1.2491e+02	-3.4022e+00	-1.8427e+00
	55	-3.8244e+00	0.0000e+00	6.2557e-01	-4.7366e+01	7.5832e+01	-5.1047e+01
	56	-3.4263e+00	-2.9112e-16	-3.0212e-02	-2.7148e+02	-7.9236e+01	-5.3359e+01
	483	-3.4263e+00	-2.0837e-15	-4.6907e-01	2.8217e+02	6.8057e+00	-4.1549e+00
804	474	-4.2339e+00	4.8964e-16	1.3099e-01	-1.1719e+01	6.8439e+01	4.6961e+01
	4	-4.2339e+00	2.2518e-15	3.8114e-01	3.3159e+01	4.4051e+01	-2.9457e+01
	54	-2.9630e+00	2.0210e-15	3.4208e-01	3.9756e+01	-4.3082e+01	-2.8798e+01
	475	-2.9630e+00	1.5906e-16	9.1933e-02	-1.2214e+02	-6.9408e+01	4.7620e+01
805	479	-4.9458e+00	6.7587e-17	-4.4881e-01	-1.6518e+02	-5.5664e+01	-3.7346e+01
	2	-4.9458e+00	3.5983e-16	-9.9117e-01	8.7012e+01	-3.8119e+01	2.6364e+01
	3	-2.7473e+00	2.0800e-15	-2.3336e-01	9.4488e+01	4.0148e+01	2.7742e+01
	478	-2.7473e+00	1.0010e-15	3.0901e-01	-8.6091e+01	5.3635e+01	-3.5968e+01
1	12	0.0000e+00	0.0000e+00	0.0000e+00	-3.1386e+02	-6.8902e+01	5.5050e+00
	17	0.0000e+00	0.0000e+00	0.0000e+00	1.4448e+01	2.3544e+01	2.1787e+02
	36	0.0000e+00	0.0000e+00	0.0000e+00	-1.4990e+02	2.2585e+02	6.5889e+01
2	36	0.0000e+00	0.0000e+00	0.0000e+00	-1.9152e+02	2.7371e+02	8.1332e+01
	12	0.0000e+00	0.0000e+00	0.0000e+00	2.0631e+01	2.5984e+02	-4.4974e+01
	466	0.0000e+00	0.0000e+00	0.0000e+00	-1.2229e+02	1.0567e+02	-3.2727e+01
3	17	0.0000e+00	0.0000e+00	0.0000e+00	-6.0820e+00	-1.2113e+02	-2.7451e+00
	12	0.0000e+00	0.0000e+00	0.0000e+00	-3.2430e+02	-2.1843e+02	7.6069e+01
	19	0.0000e+00	0.0000e+00	0.0000e+00	1.7170e+02	2.7678e+02	-1.5215e+02
4	12	0.0000e+00	0.0000e+00	0.0000e+00	-2.1061e+02	-3.0199e+02	-6.0886e-01
	466	0.0000e+00	0.0000e+00	0.0000e+00	3.0133e+01	-1.7598e+02	1.4606e+02
	516	0.0000e+00	0.0000e+00	0.0000e+00	2.1620e+02	4.8889e+02	3.2553e+02
5	19	0.0000e+00	0.0000e+00	0.0000e+00	4.9851e+02	-6.4265e+01	-3.4011e+02
	12	0.0000e+00	0.0000e+00	0.0000e+00	-3.0193e+02	-3.5593e+02	-3.3242e+01
	516	0.0000e+00	0.0000e+00	0.0000e+00	2.4394e+02	5.0707e+02	-3.8793e+02
6	346	0.0000e+00	0.0000e+00	0.0000e+00	6.8986e+01	6.2344e+02	-6.3994e+01
	335	0.0000e+00	0.0000e+00	0.0000e+00	4.7499e+01	6.0347e+02	-7.4679e+01
	16	0.0000e+00	0.0000e+00	0.0000e+00	3.0369e+01	6.4028e+02	-9.6979e+01
7	16	0.0000e+00	0.0000e+00	0.0000e+00	-1.6919e+02	-2.5539e+02	3.1934e+02
	346	0.0000e+00	0.0000e+00	0.0000e+00	-2.0138e+02	-4.8273e+02	2.1070e+02
	19	0.0000e+00	0.0000e+00	0.0000e+00	-2.3327e+02	-5.4629e+02	1.6339e+02
8	16	0.0000e+00	0.0000e+00	0.0000e+00	5.3878e+02	2.9486e+02	2.0535e+02
	335	0.0000e+00	0.0000e+00	0.0000e+00	4.9686e+02	2.2472e+02	2.7057e+02
	463	0.0000e+00	0.0000e+00	0.0000e+00	6.0277e+02	2.1486e+02	1.3326e+02
9	16	0.0000e+00	0.0000e+00	0.0000e+00	8.9197e+00	-4.3520e+02	-4.8777e+01
	19	0.0000e+00	0.0000e+00	0.0000e+00	-1.8606e+02	-2.6686e+02	-2.7787e+01
	15	0.0000e+00	0.0000e+00	0.0000e+00	1.8628e+01	1.3593e+02	1.7462e+02
10	19	0.0000e+00	0.0000e+00	0.0000e+00	1.7205e+02	4.7519e+02	8.0149e+01
	15	0.0000e+00	0.0000e+00	0.0000e+00	1.0371e+01	1.9521e+02	-4.5246e+01
	17	0.0000e+00	0.0000e+00	0.0000e+00	1.2306e+01	1.3981e+02	-1.3897e+02
11	15	0.0000e+00	0.0000e+00	0.0000e+00	-1.1844e+02	-1.2398e+01	-2.5288e+01
	17	0.0000e+00	0.0000e+00	0.0000e+00	-2.7518e+02	-1.1431e+02	-7.7994e+01
	35	0.0000e+00	0.0000e+00	0.0000e+00	-1.7777e+02	-2.3772e+02	-1.2700e+02
12	15	0.0000e+00	0.0000e+00	0.0000e+00	-2.2577e+01	-1.3044e+02	6.1701e+01
	35	0.0000e+00	0.0000e+00	0.0000e+00	-1.9437e+02	9.4514e-02	7.1133e+01

	10	0.0000e+00	0.0000e+00	0.0000e+00	-2.2584e+01	3.3796e+02	1.7671e+02
13	10	0.0000e+00	0.0000e+00	0.0000e+00	-3.0699e+02	-2.3193e+02	-1.0231e+02
	15	0.0000e+00	0.0000e+00	0.0000e+00	2.0645e+02	-1.2646e+02	-5.2442e+01
	16	0.0000e+00	0.0000e+00	0.0000e+00	3.5860e+02	4.2259e+02	1.0710e+02
14	10	0.0000e+00	0.0000e+00	0.0000e+00	-3.4270e+02	-1.5136e+02	1.4485e+00
	16	0.0000e+00	0.0000e+00	0.0000e+00	5.1757e+02	1.9875e+02	1.5144e+02
	463	0.0000e+00	0.0000e+00	0.0000e+00	4.1799e+02	3.3351e+02	2.7456e+02
24	584	0.0000e+00	0.0000e+00	0.0000e+00	1.7789e+01	1.0043e+02	-2.2313e+02
	511	0.0000e+00	0.0000e+00	0.0000e+00	-8.2531e+02	-3.6086e+02	-3.7403e+02
	32	0.0000e+00	0.0000e+00	0.0000e+00	-7.0679e+02	-4.8442e+02	-7.2955e+02
25	412	0.0000e+00	0.0000e+00	0.0000e+00	-5.6971e+02	-3.6941e+02	-2.9189e+02
	584	0.0000e+00	0.0000e+00	0.0000e+00	2.8613e+02	-9.8443e+01	-1.7963e+02
	511	0.0000e+00	0.0000e+00	0.0000e+00	9.1775e+02	3.1207e+02	5.3832e+01
26	52	0.0000e+00	0.0000e+00	0.0000e+00	1.0706e+03	8.6684e+02	-3.0444e+02
	584	0.0000e+00	0.0000e+00	0.0000e+00	-5.0316e+01	2.9140e+02	-2.4183e+02
	32	0.0000e+00	0.0000e+00	0.0000e+00	-8.8822e+02	-3.6089e+02	-5.2298e+02
27	412	0.0000e+00	0.0000e+00	0.0000e+00	-7.8016e+02	-7.5445e+02	3.2798e+02
	52	0.0000e+00	0.0000e+00	0.0000e+00	1.5893e+02	-8.7385e+02	5.4150e+02
	584	0.0000e+00	0.0000e+00	0.0000e+00	4.2601e+01	1.7582e+02	1.6665e+02
124	52	0.0000e+00	0.0000e+00	0.0000e+00	2.3539e+02	1.4545e+03	-2.8926e+02
	464	0.0000e+00	0.0000e+00	0.0000e+00	-8.8300e+02	-2.4592e+01	1.0386e+02
	421	0.0000e+00	0.0000e+00	0.0000e+00	-3.3239e+02	2.2396e+02	-1.1401e+02
	536	0.0000e+00	0.0000e+00	0.0000e+00	8.4498e+01	-2.8316e+02	-5.2461e+02
129	5	0.0000e+00	0.0000e+00	0.0000e+00	6.7783e+02	-7.3735e+02	-4.9797e+02
	586	0.0000e+00	0.0000e+00	0.0000e+00	-8.5896e+02	-1.0025e+03	-1.3860e+03
	535	0.0000e+00	0.0000e+00	0.0000e+00	9.1196e+01	-1.0113e+03	-5.4964e+02
130	535	0.0000e+00	0.0000e+00	0.0000e+00	-5.5945e+01	-1.6241e+02	5.5138e+02
	586	0.0000e+00	0.0000e+00	0.0000e+00	2.5729e+02	-1.9342e+02	6.3315e+01
	28	0.0000e+00	0.0000e+00	0.0000e+00	-4.6607e+02	3.9497e+02	7.2289e+02
131	28	0.0000e+00	0.0000e+00	0.0000e+00	5.8800e+01	-8.9116e+02	1.2397e+02
	27	0.0000e+00	0.0000e+00	0.0000e+00	6.6841e+02	-3.4827e+02	2.9174e+02
	534	0.0000e+00	0.0000e+00	0.0000e+00	5.5851e+02	-1.1812e+03	5.2240e+02
	535	0.0000e+00	0.0000e+00	0.0000e+00	9.4882e+02	-8.4640e+02	1.3730e+01
132	204	0.0000e+00	0.0000e+00	0.0000e+00	1.8238e+03	-7.7862e+01	4.7881e+02
	5	0.0000e+00	0.0000e+00	0.0000e+00	1.4723e+03	-5.7163e+02	1.6096e+02
	535	0.0000e+00	0.0000e+00	0.0000e+00	1.2240e+03	-8.7333e+02	5.9517e+01
	534	0.0000e+00	0.0000e+00	0.0000e+00	8.8110e+02	-1.0396e+03	4.0434e+02
133	462	0.0000e+00	0.0000e+00	0.0000e+00	-6.2733e+02	5.7652e+02	-1.3390e+03
	414	0.0000e+00	0.0000e+00	0.0000e+00	-6.5744e+01	-9.9978e+02	-2.0072e+03
	6	0.0000e+00	0.0000e+00	0.0000e+00	-5.8116e+02	3.5255e+03	-1.6879e+03
	533	0.0000e+00	0.0000e+00	0.0000e+00	-7.5693e+02	2.5563e+02	-8.2487e+02
134	534	0.0000e+00	0.0000e+00	0.0000e+00	-1.4467e+03	6.9719e+02	4.0454e+02
	27	0.0000e+00	0.0000e+00	0.0000e+00	-5.4531e+02	1.1754e+03	1.4195e+02
	462	0.0000e+00	0.0000e+00	0.0000e+00	-1.5206e+03	3.3694e+01	-9.4627e+01
	533	0.0000e+00	0.0000e+00	0.0000e+00	-8.1200e+02	1.1415e+03	1.7444e+02
135	204	0.0000e+00	0.0000e+00	0.0000e+00	1.0313e+02	4.6657e+02	1.1405e+02
	534	0.0000e+00	0.0000e+00	0.0000e+00	-1.0492e+03	1.2175e+03	-2.3671e+02
	533	0.0000e+00	0.0000e+00	0.0000e+00	-1.5339e+03	1.5117e+03	-5.2857e+02
	6	0.0000e+00	0.0000e+00	0.0000e+00	-5.3729e+02	2.6242e+03	-2.2737e+01
136	454	0.0000e+00	0.0000e+00	0.0000e+00	3.9264e+02	-1.5374e+02	1.9442e+02
	515	0.0000e+00	0.0000e+00	0.0000e+00	-4.1483e+02	-4.8257e+02	2.9101e+02
	582	0.0000e+00	0.0000e+00	0.0000e+00	7.5434e+01	-1.3923e+02	9.7839e+01
137	582	0.0000e+00	0.0000e+00	0.0000e+00	-1.6929e+02	3.7572e+02	1.6094e+02
	515	0.0000e+00	0.0000e+00	0.0000e+00	-7.7192e+02	-2.0122e+02	-7.2839e+01
	532	0.0000e+00	0.0000e+00	0.0000e+00	-5.4122e+02	-4.6232e+02	-2.7450e+02

138	515	0.0000e+00	0.0000e+00	0.0000e+00	-4.8969e+02	-2.8912e+02	-1.9257e+02
	516	0.0000e+00	0.0000e+00	0.0000e+00	-4.7074e+02	-2.6347e+02	-1.9072e+02
	11	0.0000e+00	0.0000e+00	0.0000e+00	-4.8359e+02	-2.6321e+02	-1.7830e+02
139	11	0.0000e+00	0.0000e+00	0.0000e+00	4.3328e+02	1.1002e+03	2.4049e+02
	515	0.0000e+00	0.0000e+00	0.0000e+00	4.5415e+02	1.1242e+03	7.1514e+01
	532	0.0000e+00	0.0000e+00	0.0000e+00	3.5860e+02	8.9700e+02	2.3495e+02
140	346	0.0000e+00	0.0000e+00	0.0000e+00	-1.3637e+02	-6.4176e+02	-7.6458e+01
	11	0.0000e+00	0.0000e+00	0.0000e+00	-1.8916e+02	-6.3586e+02	-1.1499e+02
	19	0.0000e+00	0.0000e+00	0.0000e+00	-1.5948e+02	-5.7006e+02	-5.4939e+01
141	11	0.0000e+00	0.0000e+00	0.0000e+00	-2.0588e+02	-2.2185e+02	-1.9074e+02
	516	0.0000e+00	0.0000e+00	0.0000e+00	-2.0284e+02	-2.9888e+02	-1.3594e+02
	19	0.0000e+00	0.0000e+00	0.0000e+00	-1.4739e+02	-1.9483e+02	-2.6239e+02
142	514	0.0000e+00	0.0000e+00	0.0000e+00	-1.0522e+02	-7.5434e+02	3.1866e+01
	532	0.0000e+00	0.0000e+00	0.0000e+00	-1.8781e+02	-9.8605e+02	5.0330e+01
	11	0.0000e+00	0.0000e+00	0.0000e+00	-2.2256e+02	-1.0023e+03	-9.3826e+01
	346	0.0000e+00	0.0000e+00	0.0000e+00	-8.5656e+01	-6.8348e+02	-1.1042e+02
143	463	0.0000e+00	0.0000e+00	0.0000e+00	-6.6512e+02	-1.2747e+02	1.2594e+01
	513	0.0000e+00	0.0000e+00	0.0000e+00	-3.9058e+02	-2.3385e+02	-1.1418e+02
	530	0.0000e+00	0.0000e+00	0.0000e+00	-6.3983e+02	1.5143e+01	-1.6342e+02
	335	0.0000e+00	0.0000e+00	0.0000e+00	-7.4522e+02	-2.1270e+02	1.3107e+02
144	514	0.0000e+00	0.0000e+00	0.0000e+00	-7.1981e+02	-1.1198e+02	-4.7521e+01
	346	0.0000e+00	0.0000e+00	0.0000e+00	-6.5800e+02	-7.0212e+01	-1.1621e+02
	335	0.0000e+00	0.0000e+00	0.0000e+00	-7.8554e+02	-8.6342e+01	-1.5072e+02
	530	0.0000e+00	0.0000e+00	0.0000e+00	-6.9012e+02	8.3531e+01	-1.3352e+02
145	531	0.0000e+00	0.0000e+00	0.0000e+00	-5.5933e+01	-3.6262e+02	-1.5863e+02
	451	0.0000e+00	0.0000e+00	0.0000e+00	4.8866e+02	-1.1608e+02	-1.7987e+02
	454	0.0000e+00	0.0000e+00	0.0000e+00	4.9853e+02	2.1918e+00	-4.8874e+01
	582	0.0000e+00	0.0000e+00	0.0000e+00	2.8217e+02	1.3688e+02	-3.9713e+01
146	514	0.0000e+00	0.0000e+00	0.0000e+00	-4.5627e+02	-1.9538e+02	1.7300e+01
	531	0.0000e+00	0.0000e+00	0.0000e+00	-4.4998e+01	-5.2921e+02	3.4190e+01
	582	0.0000e+00	0.0000e+00	0.0000e+00	2.9756e+02	1.4238e+02	4.6036e+01
	532	0.0000e+00	0.0000e+00	0.0000e+00	-6.6244e+02	-1.2395e+02	-6.0737e+01
147	450	0.0000e+00	0.0000e+00	0.0000e+00	-3.1350e+01	1.1022e+02	-1.7919e+01
	451	0.0000e+00	0.0000e+00	0.0000e+00	4.5246e+01	2.1285e+02	1.6262e+02
	531	0.0000e+00	0.0000e+00	0.0000e+00	-5.2991e+02	1.8878e+02	1.6890e+02
	469	0.0000e+00	0.0000e+00	0.0000e+00	4.0991e+02	4.4588e+02	6.4204e+01
148	530	0.0000e+00	0.0000e+00	0.0000e+00	3.0456e+02	-4.3940e+02	-1.9627e+02
	513	0.0000e+00	0.0000e+00	0.0000e+00	-1.3419e+02	3.9117e+01	1.7049e+02
	450	0.0000e+00	0.0000e+00	0.0000e+00	-1.4232e+02	3.8926e+02	2.5321e+02
	469	0.0000e+00	0.0000e+00	0.0000e+00	2.6471e+02	4.4774e+02	1.6855e+02
149	514	0.0000e+00	0.0000e+00	0.0000e+00	-2.5794e+02	-3.6870e+02	-1.7563e+02
	530	0.0000e+00	0.0000e+00	0.0000e+00	1.7250e+02	-2.5708e+02	-2.2149e+02
	469	0.0000e+00	0.0000e+00	0.0000e+00	7.3183e+02	6.3724e+02	8.2552e+01
	531	0.0000e+00	0.0000e+00	0.0000e+00	-5.3729e+02	-1.7765e+02	1.8440e+02
150	21	0.0000e+00	0.0000e+00	0.0000e+00	-3.5422e+02	4.3385e+01	-4.7093e+01
	22	0.0000e+00	0.0000e+00	0.0000e+00	1.0387e+02	4.2915e+02	-1.1842e+02
	30	0.0000e+00	0.0000e+00	0.0000e+00	7.4153e+01	-2.4899e+02	1.2587e+02
151	171	0.0000e+00	0.0000e+00	0.0000e+00	7.6511e+02	2.9326e+02	1.9902e+02
	30	0.0000e+00	0.0000e+00	0.0000e+00	-2.5085e+02	7.1791e+01	-2.1072e+02
	21	0.0000e+00	0.0000e+00	0.0000e+00	5.1180e+02	1.5635e+02	6.2106e+01
152	171	0.0000e+00	0.0000e+00	0.0000e+00	1.8985e+02	8.7116e+02	-2.7341e+02
	21	0.0000e+00	0.0000e+00	0.0000e+00	9.9747e+01	5.9981e+02	-4.8377e+02
	413	0.0000e+00	0.0000e+00	0.0000e+00	-1.8751e+02	-2.4836e+02	-8.0123e+02
153	413	0.0000e+00	0.0000e+00	0.0000e+00	6.5090e+02	-5.2837e+02	2.7952e+02
	171	0.0000e+00	0.0000e+00	0.0000e+00	-6.9837e+02	-8.5033e+02	3.9079e+02
	398	0.0000e+00	0.0000e+00	0.0000e+00	4.5592e+02	-9.1540e+01	5.6072e+01

154	524	0.0000e+00	0.0000e+00	0.0000e+00	4.6704e+02	-1.7406e+02	1.3852e+02
	526	0.0000e+00	0.0000e+00	0.0000e+00	6.9258e+02	-2.0201e+02	8.0470e+01
	525	0.0000e+00	0.0000e+00	0.0000e+00	6.1121e+02	-1.1866e+02	4.2286e+01
155	524	0.0000e+00	0.0000e+00	0.0000e+00	1.3542e+02	1.8508e+02	-2.9926e+02
	525	0.0000e+00	0.0000e+00	0.0000e+00	1.5337e+02	4.0723e+02	-4.6390e+02
	34	0.0000e+00	0.0000e+00	0.0000e+00	6.0055e+01	6.5069e+02	-1.9535e+02
156	23	0.0000e+00	0.0000e+00	0.0000e+00	-2.7503e+02	-2.0895e+02	2.7562e+02
	513	0.0000e+00	0.0000e+00	0.0000e+00	2.6023e+02	-9.1651e+01	2.2844e+02
	450	0.0000e+00	0.0000e+00	0.0000e+00	2.0842e+01	-2.0311e+02	3.3591e+02
157	425	0.0000e+00	0.0000e+00	0.0000e+00	9.0808e+01	3.3589e+02	1.4057e+02
	450	0.0000e+00	0.0000e+00	0.0000e+00	-1.4017e+02	1.7464e+02	1.3607e+02
	23	0.0000e+00	0.0000e+00	0.0000e+00	-1.2468e+01	2.4584e+02	7.5649e+01
158	34	0.0000e+00	0.0000e+00	0.0000e+00	-6.5825e+02	-2.4847e+02	2.9747e+02
	524	0.0000e+00	0.0000e+00	0.0000e+00	-1.7318e+02	-3.2182e+02	1.6179e+02
	33	0.0000e+00	0.0000e+00	0.0000e+00	-3.4070e+02	-7.2622e+01	2.4872e+01
159	33	0.0000e+00	0.0000e+00	0.0000e+00	1.2449e+02	1.5192e+02	-1.4962e+00
	34	0.0000e+00	0.0000e+00	0.0000e+00	1.1450e+02	2.7514e+02	3.8905e+01
	465	0.0000e+00	0.0000e+00	0.0000e+00	1.3374e+02	2.2770e+02	7.7469e+01
160	33	0.0000e+00	0.0000e+00	0.0000e+00	1.5058e+02	1.2016e+02	4.5189e+01
	465	0.0000e+00	0.0000e+00	0.0000e+00	2.5646e+02	1.9436e+02	1.3052e+02
	512	0.0000e+00	0.0000e+00	0.0000e+00	2.0229e+02	3.1446e+02	8.9763e+01
161	465	0.0000e+00	0.0000e+00	0.0000e+00	5.9029e+01	1.2686e+02	-5.4727e+01
	34	0.0000e+00	0.0000e+00	0.0000e+00	1.4165e+02	7.8895e+01	-1.2685e+02
	10	0.0000e+00	0.0000e+00	0.0000e+00	2.4036e+01	-6.6275e+01	-1.8275e+02
162	10	0.0000e+00	0.0000e+00	0.0000e+00	-4.0514e+00	5.8741e+00	1.4024e+02
	34	0.0000e+00	0.0000e+00	0.0000e+00	1.3749e+02	3.5922e+01	2.6980e+02
	35	0.0000e+00	0.0000e+00	0.0000e+00	1.1089e+02	2.1512e+02	1.6080e+02
163	35	0.0000e+00	0.0000e+00	0.0000e+00	-8.4767e+01	-5.1187e+01	-6.7607e+01
	17	0.0000e+00	0.0000e+00	0.0000e+00	-7.5849e+01	1.0590e+02	3.1387e+01
	36	0.0000e+00	0.0000e+00	0.0000e+00	1.9620e+01	1.0738e+01	1.7831e+02
164	529	0.0000e+00	0.0000e+00	0.0000e+00	-3.4265e+02	-5.1830e+02	-1.5098e+02
	526	0.0000e+00	0.0000e+00	0.0000e+00	1.1369e+02	-3.9008e+02	-2.6232e+02
	42	0.0000e+00	0.0000e+00	0.0000e+00	5.6636e+02	8.0131e+02	1.4013e+02
	127	0.0000e+00	0.0000e+00	0.0000e+00	-5.2128e+02	-1.3744e+02	1.6559e+02
165	33	0.0000e+00	0.0000e+00	0.0000e+00	-1.7406e+01	-5.3605e+01	-1.1270e+02
	524	0.0000e+00	0.0000e+00	0.0000e+00	-3.2649e+02	-4.1441e+02	-1.0082e+02
	526	0.0000e+00	0.0000e+00	0.0000e+00	-1.1961e+02	-5.7178e+02	-3.1899e+02
	529	0.0000e+00	0.0000e+00	0.0000e+00	-3.2858e+02	-5.7624e+02	-2.4369e+02
166	528	0.0000e+00	0.0000e+00	0.0000e+00	-5.9811e+02	-6.2869e+02	-2.2069e+02
	529	0.0000e+00	0.0000e+00	0.0000e+00	-2.1463e+02	-6.1623e+02	-1.4763e+02
	127	0.0000e+00	0.0000e+00	0.0000e+00	-1.7577e+02	3.1768e+01	-5.9607e+01
	126	0.0000e+00	0.0000e+00	0.0000e+00	-4.2893e+02	-1.4052e+02	-1.5846e+02
167	32	0.0000e+00	0.0000e+00	0.0000e+00	-6.0415e+02	4.5606e+01	-1.0615e+02
	33	0.0000e+00	0.0000e+00	0.0000e+00	-2.2951e+02	-8.8305e+01	-7.7668e+01
	529	0.0000e+00	0.0000e+00	0.0000e+00	-2.8040e+02	-6.0396e+02	-1.4067e+02
	528	0.0000e+00	0.0000e+00	0.0000e+00	-5.7088e+02	-6.2272e+02	-1.7775e+02
168	511	0.0000e+00	0.0000e+00	0.0000e+00	-9.2132e+02	-4.3801e+02	-1.3849e+02
	512	0.0000e+00	0.0000e+00	0.0000e+00	-2.3597e+02	-3.4459e+02	-1.4934e+01
	33	0.0000e+00	0.0000e+00	0.0000e+00	-1.4944e+02	-2.8078e+01	4.1438e+00
	32	0.0000e+00	0.0000e+00	0.0000e+00	-7.2869e+02	3.8432e+01	-1.1330e+02
169	464	0.0000e+00	0.0000e+00	0.0000e+00	-1.7801e+02	-8.4451e+02	-2.9113e+02
	528	0.0000e+00	0.0000e+00	0.0000e+00	-3.8266e+02	-4.2669e+02	-2.0365e+02
	126	0.0000e+00	0.0000e+00	0.0000e+00	-9.3655e+02	-6.6349e+00	-2.0427e+02
	1	0.0000e+00	0.0000e+00	0.0000e+00	3.2263e+02	5.3833e+02	-3.6152e+02
170	52	0.0000e+00	0.0000e+00	0.0000e+00	6.1754e+02	3.1208e+02	-2.0929e+02
	32	0.0000e+00	0.0000e+00	0.0000e+00	-1.1457e+03	9.4856e+01	-9.5717e+01

	528	0.0000e+00	0.0000e+00	0.0000e+00	-2.2034e+02	-5.2122e+02	-9.2566e+01
	464	0.0000e+00	0.0000e+00	0.0000e+00	-3.4579e+02	-9.1854e+02	-6.0832e+01
171	527	0.0000e+00	0.0000e+00	0.0000e+00	1.4528e+01	-9.1731e+01	5.8794e+01
	521	0.0000e+00	0.0000e+00	0.0000e+00	4.8107e+01	-4.7123e+02	1.4479e+02
	45	0.0000e+00	0.0000e+00	0.0000e+00	3.3738e+02	5.5156e+02	-2.5175e+02
	506	0.0000e+00	0.0000e+00	0.0000e+00	-7.9935e+02	6.4147e+02	-5.0513e+01
172	35	0.0000e+00	0.0000e+00	0.0000e+00	-1.4687e+02	-4.9972e+02	8.6310e+01
	36	0.0000e+00	0.0000e+00	0.0000e+00	1.1485e+02	-4.5869e+02	4.6421e+01
	521	0.0000e+00	0.0000e+00	0.0000e+00	-6.1290e+01	-8.2539e+02	-9.1812e+01
	527	0.0000e+00	0.0000e+00	0.0000e+00	2.9910e+01	-5.5676e+02	-6.2388e+01
173	525	0.0000e+00	0.0000e+00	0.0000e+00	1.8007e+02	-4.3173e+02	-1.7761e+02
	527	0.0000e+00	0.0000e+00	0.0000e+00	1.7809e+01	-9.9830e+01	-4.9278e+01
	506	0.0000e+00	0.0000e+00	0.0000e+00	-7.8186e+02	6.5059e+02	6.4522e+01
	44	0.0000e+00	0.0000e+00	0.0000e+00	3.9587e+02	5.2235e+02	2.4290e+02
174	34	0.0000e+00	0.0000e+00	0.0000e+00	1.2828e+02	-4.8376e+02	4.3616e+01
	35	0.0000e+00	0.0000e+00	0.0000e+00	3.4886e+01	-4.7630e+02	-1.4029e+01
	527	0.0000e+00	0.0000e+00	0.0000e+00	-2.4937e+00	-6.2829e+02	4.2877e+01
	525	0.0000e+00	0.0000e+00	0.0000e+00	2.8375e+00	-7.5389e+02	8.1163e+01
175	526	0.0000e+00	0.0000e+00	0.0000e+00	3.4016e+02	-6.4420e+02	-1.5471e+02
	525	0.0000e+00	0.0000e+00	0.0000e+00	7.2259e+01	-4.1050e+01	-1.3876e+02
	44	0.0000e+00	0.0000e+00	0.0000e+00	1.2585e+02	8.8422e+02	2.0534e+02
	42	0.0000e+00	0.0000e+00	0.0000e+00	1.9026e+02	5.3598e+02	1.9036e+02
176	522	0.0000e+00	0.0000e+00	0.0000e+00	-5.3129e+02	-6.3549e+02	2.2943e+02
	588	0.0000e+00	0.0000e+00	0.0000e+00	-1.8136e+01	-2.4823e+03	-4.1963e+02
	7	0.0000e+00	0.0000e+00	0.0000e+00	-2.1028e+02	2.0191e+03	-6.5171e+02
	47	0.0000e+00	0.0000e+00	0.0000e+00	-1.3072e+03	1.1664e+03	-1.9196e+02
177	38	0.0000e+00	0.0000e+00	0.0000e+00	-1.6316e+03	1.9257e+02	-2.2153e+01
	39	0.0000e+00	0.0000e+00	0.0000e+00	2.4641e+02	1.9267e+03	2.4742e+02
	588	0.0000e+00	0.0000e+00	0.0000e+00	-1.3723e+02	-2.7618e+03	1.9477e+02
	522	0.0000e+00	0.0000e+00	0.0000e+00	-2.7913e+02	-8.2250e+02	-2.1789e+02
178	518	0.0000e+00	0.0000e+00	0.0000e+00	-1.2426e+03	-4.8252e+02	-5.3564e+02
	587	0.0000e+00	0.0000e+00	0.0000e+00	7.5926e+02	-1.1071e+03	-9.5338e+02
	39	0.0000e+00	0.0000e+00	0.0000e+00	2.9978e+02	2.3979e+03	-6.0198e+02
	38	0.0000e+00	0.0000e+00	0.0000e+00	-1.5029e+03	3.5108e+02	-2.5923e+02
179	520	0.0000e+00	0.0000e+00	0.0000e+00	-2.4428e+02	-2.8995e+02	2.1427e+02
	522	0.0000e+00	0.0000e+00	0.0000e+00	-8.4398e+02	-1.1636e+03	1.0993e+02
	47	0.0000e+00	0.0000e+00	0.0000e+00	-7.1601e+02	9.3134e+02	-2.1458e+02
	46	0.0000e+00	0.0000e+00	0.0000e+00	-2.7945e+02	1.0371e+03	-1.2497e+02
180	37	0.0000e+00	0.0000e+00	0.0000e+00	-4.2829e+02	-2.9663e+02	-1.9781e+01
	38	0.0000e+00	0.0000e+00	0.0000e+00	-6.2472e+02	1.4388e+01	1.9834e+00
	522	0.0000e+00	0.0000e+00	0.0000e+00	-8.5820e+02	-9.5797e+02	8.0586e+01
	520	0.0000e+00	0.0000e+00	0.0000e+00	-3.0706e+02	-7.7647e+02	5.3909e+01
181	517	0.0000e+00	0.0000e+00	0.0000e+00	-4.2610e+02	-3.8895e+02	-7.2720e+01
	518	0.0000e+00	0.0000e+00	0.0000e+00	-6.5808e+02	-6.9469e+02	-1.2491e+02
	38	0.0000e+00	0.0000e+00	0.0000e+00	-6.7971e+02	-1.2362e+02	-1.7497e+02
	37	0.0000e+00	0.0000e+00	0.0000e+00	-3.2783e+02	-2.1832e+02	-8.9467e+01
182	521	0.0000e+00	0.0000e+00	0.0000e+00	3.2705e+01	-1.2412e+02	9.0681e+01
	520	0.0000e+00	0.0000e+00	0.0000e+00	-2.6894e+02	-6.7199e+02	1.2568e+02
	46	0.0000e+00	0.0000e+00	0.0000e+00	-7.7918e+01	7.5401e+02	-1.3670e+02
	45	0.0000e+00	0.0000e+00	0.0000e+00	3.1837e+01	9.1166e+02	-1.7787e+02
183	36	0.0000e+00	0.0000e+00	0.0000e+00	1.3555e+02	-4.0606e+02	-5.9598e+01
	37	0.0000e+00	0.0000e+00	0.0000e+00	-2.1728e+02	-3.3926e+02	-5.8697e+01
	520	0.0000e+00	0.0000e+00	0.0000e+00	-3.3743e+02	-8.0333e+02	-5.7222e+00
	521	0.0000e+00	0.0000e+00	0.0000e+00	2.3726e+01	-8.2406e+02	-1.2657e+01
184	466	0.0000e+00	0.0000e+00	0.0000e+00	-5.2673e+01	-2.8387e+02	-1.6339e+01
	517	0.0000e+00	0.0000e+00	0.0000e+00	-3.3790e+02	-4.7626e+02	1.9238e+01
	37	0.0000e+00	0.0000e+00	0.0000e+00	-3.0352e+02	-2.5640e+02	-7.4505e+01

	36	0.0000e+00	0.0000e+00	0.0000e+00	2.0304e+02	-1.1954e+02	-7.9924e+01
185	28	0.0000e+00	0.0000e+00	0.0000e+00	-9.2202e+02	1.1813e+02	2.6416e+02
	586	0.0000e+00	0.0000e+00	0.0000e+00	-6.7031e+02	-1.5743e+03	5.2477e+02
	587	0.0000e+00	0.0000e+00	0.0000e+00	-1.8982e+02	-1.1522e+03	-8.0032e+02
	518	0.0000e+00	0.0000e+00	0.0000e+00	-8.8595e+02	-3.2586e+02	-6.9414e+02
186	29	0.0000e+00	0.0000e+00	0.0000e+00	1.2750e+02	-7.1647e+00	3.1195e+01
	28	0.0000e+00	0.0000e+00	0.0000e+00	-3.6407e+02	2.1326e+02	-1.4484e+02
	518	0.0000e+00	0.0000e+00	0.0000e+00	-6.6716e+02	-8.3191e+02	-2.0082e+02
	517	0.0000e+00	0.0000e+00	0.0000e+00	-2.8192e+02	-6.3873e+02	2.0408e+01
187	26	0.0000e+00	0.0000e+00	0.0000e+00	-2.8631e+01	3.0604e+02	-2.2235e+02
	27	0.0000e+00	0.0000e+00	0.0000e+00	-6.1386e+01	7.0645e+02	-2.3246e+02
	28	0.0000e+00	0.0000e+00	0.0000e+00	-3.1171e+02	-3.8097e+01	-1.4792e+02
	29	0.0000e+00	0.0000e+00	0.0000e+00	2.0939e+02	8.4439e+01	-1.3781e+02
188	457	0.0000e+00	0.0000e+00	0.0000e+00	-2.0081e+02	1.1674e+02	-2.9900e+02
	462	0.0000e+00	0.0000e+00	0.0000e+00	3.9370e+02	2.6910e+01	-2.7737e+02
	27	0.0000e+00	0.0000e+00	0.0000e+00	6.1963e+01	3.1737e+02	-3.1782e+02
	26	0.0000e+00	0.0000e+00	0.0000e+00	-5.1853e+00	2.6572e+02	-2.7221e+02
189	516	0.0000e+00	0.0000e+00	0.0000e+00	-4.2202e+02	-2.3250e+02	3.6024e+02
	29	0.0000e+00	0.0000e+00	0.0000e+00	1.0661e+02	-1.6504e+01	1.8222e+02
	517	0.0000e+00	0.0000e+00	0.0000e+00	-5.2568e+02	-4.7533e+02	4.9895e+01
	466	0.0000e+00	0.0000e+00	0.0000e+00	-7.7184e+00	1.5950e+02	4.3793e+01
190	515	0.0000e+00	0.0000e+00	0.0000e+00	-4.0220e+02	-1.9856e+02	3.8448e+00
	26	0.0000e+00	0.0000e+00	0.0000e+00	6.6791e+02	7.3959e+01	-1.3297e+01
	29	0.0000e+00	0.0000e+00	0.0000e+00	8.5293e+01	-2.4546e+02	4.6122e+01
	516	0.0000e+00	0.0000e+00	0.0000e+00	-8.4582e+02	-1.0274e+02	5.7062e+01
191	454	0.0000e+00	0.0000e+00	0.0000e+00	-1.0886e+02	3.5560e+02	-3.8915e+02
	457	0.0000e+00	0.0000e+00	0.0000e+00	2.4882e+02	1.2915e+02	-2.3961e+02
	26	0.0000e+00	0.0000e+00	0.0000e+00	4.1180e+02	1.3714e+02	-2.1718e+02
	515	0.0000e+00	0.0000e+00	0.0000e+00	-3.6321e+02	-4.1981e+02	-2.0470e+02
192	31	0.0000e+00	0.0000e+00	0.0000e+00	8.5905e+01	-2.2215e+02	-2.3233e+02
	463	0.0000e+00	0.0000e+00	0.0000e+00	-1.1987e+02	-5.1959e+02	-2.6587e+02
	10	0.0000e+00	0.0000e+00	0.0000e+00	3.2545e+02	2.3727e+02	-6.1334e+01
	465	0.0000e+00	0.0000e+00	0.0000e+00	-2.6697e+02	-2.8999e+02	-1.1873e+02
193	23	0.0000e+00	0.0000e+00	0.0000e+00	3.5636e+02	2.2097e+02	1.1809e+02
	513	0.0000e+00	0.0000e+00	0.0000e+00	-3.7060e+02	-4.2336e+02	1.5237e+02
	463	0.0000e+00	0.0000e+00	0.0000e+00	-3.4904e+02	-4.9895e+02	-1.6339e+02
	31	0.0000e+00	0.0000e+00	0.0000e+00	2.5637e+01	-3.5367e+02	-2.7430e+02
194	30	0.0000e+00	0.0000e+00	0.0000e+00	1.0041e+02	-3.2341e+02	-2.7591e+01
	31	0.0000e+00	0.0000e+00	0.0000e+00	1.0509e+02	-2.7841e+02	-1.7222e+02
	465	0.0000e+00	0.0000e+00	0.0000e+00	-9.4557e+00	-4.6700e+02	-5.5321e+01
	512	0.0000e+00	0.0000e+00	0.0000e+00	-1.7791e+02	-5.4063e+02	7.1310e+01
195	22	0.0000e+00	0.0000e+00	0.0000e+00	2.3005e+02	3.8446e+02	-3.1988e+01
	23	0.0000e+00	0.0000e+00	0.0000e+00	-5.2969e+01	2.8831e+02	8.8410e+01
	31	0.0000e+00	0.0000e+00	0.0000e+00	4.1471e+01	-3.3070e+02	-3.3867e+01
	30	0.0000e+00	0.0000e+00	0.0000e+00	2.7618e+02	-2.4545e-01	-1.6234e+02
196	418	0.0000e+00	0.0000e+00	0.0000e+00	1.5688e+02	1.4944e+02	-5.1133e+01
	425	0.0000e+00	0.0000e+00	0.0000e+00	-3.6555e+01	1.5579e+02	1.0664e+02
	23	0.0000e+00	0.0000e+00	0.0000e+00	-4.1652e+01	3.3487e+02	8.2824e+01
	22	0.0000e+00	0.0000e+00	0.0000e+00	1.8910e+02	5.8772e+02	-3.9747e+01
197	171	0.0000e+00	0.0000e+00	0.0000e+00	-7.8013e+02	-5.7402e+02	2.3357e+02
	30	0.0000e+00	0.0000e+00	0.0000e+00	1.0389e+02	-3.7618e+02	1.1375e+02
	512	0.0000e+00	0.0000e+00	0.0000e+00	-3.7102e+02	-5.4551e+02	-6.3825e+01
	511	0.0000e+00	0.0000e+00	0.0000e+00	-7.9519e+02	-5.1605e+01	5.1650e+01
198	415	0.0000e+00	0.0000e+00	0.0000e+00	8.3716e+01	1.7949e+02	7.9010e+01
	418	0.0000e+00	0.0000e+00	0.0000e+00	-1.3512e+02	3.2211e+02	-9.4508e+01
	22	0.0000e+00	0.0000e+00	0.0000e+00	4.2703e+01	4.6987e+02	-1.4159e+02
	21	0.0000e+00	0.0000e+00	0.0000e+00	-2.3422e+02	7.9171e+02	4.6622e+01

199	398	0.0000e+00	0.0000e+00	0.0000e+00	9.0281e+01	-2.9685e+02	1.8981e+01
	171	0.0000e+00	0.0000e+00	0.0000e+00	-1.2284e+03	-3.7516e+02	6.9815e+01
	511	0.0000e+00	0.0000e+00	0.0000e+00	-8.8420e+02	9.9154e+01	-2.0890e+02
	412	0.0000e+00	0.0000e+00	0.0000e+00	7.5484e+02	3.7215e+02	-2.7682e+01
200	53	0.0000e+00	0.0000e+00	0.0000e+00	1.2409e+01	4.1683e+02	4.6358e+02
	415	0.0000e+00	0.0000e+00	0.0000e+00	-2.8222e+02	1.9932e+02	1.0964e+02
	21	0.0000e+00	0.0000e+00	0.0000e+00	-5.2523e+02	6.4670e+02	2.1874e+02
	413	0.0000e+00	0.0000e+00	0.0000e+00	8.0194e+00	2.1738e+02	4.9637e+02
201	510	0.0000e+00	0.0000e+00	0.0000e+00	-6.9989e+01	-7.0627e+02	7.9617e+01
	491	0.0000e+00	0.0000e+00	0.0000e+00	1.5942e+02	-6.7800e+02	-3.7321e+00
	186	0.0000e+00	0.0000e+00	0.0000e+00	-4.0001e+01	-1.5856e+02	-1.3724e+01
	400	0.0000e+00	0.0000e+00	0.0000e+00	4.1842e-01	-8.9083e+01	5.7827e+01
202	41	0.0000e+00	0.0000e+00	0.0000e+00	2.1880e+02	1.3361e+03	8.7331e+01
	43	0.0000e+00	0.0000e+00	0.0000e+00	-1.4699e+02	9.8884e+02	8.7337e+01
	491	0.0000e+00	0.0000e+00	0.0000e+00	6.6266e+01	-2.0091e+02	1.2902e+02
	510	0.0000e+00	0.0000e+00	0.0000e+00	8.1714e+01	-6.3340e+02	1.4131e+02
203	127	0.0000e+00	0.0000e+00	0.0000e+00	-4.5181e+02	1.0989e+02	1.2023e+02
	42	0.0000e+00	0.0000e+00	0.0000e+00	6.3055e+02	1.0653e+03	9.2371e+01
	43	0.0000e+00	0.0000e+00	0.0000e+00	1.1001e+02	1.0692e+03	1.7655e+02
	41	0.0000e+00	0.0000e+00	0.0000e+00	1.1620e+01	1.7418e+03	2.0856e+02
204	509	0.0000e+00	0.0000e+00	0.0000e+00	-6.9662e+01	-6.1772e+02	7.3537e+01
	510	0.0000e+00	0.0000e+00	0.0000e+00	5.5584e+01	-7.0631e+02	6.3864e+01
	400	0.0000e+00	0.0000e+00	0.0000e+00	-8.1605e+01	-1.0857e+02	-3.3340e+00
	399	0.0000e+00	0.0000e+00	0.0000e+00	2.2741e+01	-7.0010e+01	3.6447e+01
205	40	0.0000e+00	0.0000e+00	0.0000e+00	-3.3889e+02	1.1598e+03	-1.0359e+02
	41	0.0000e+00	0.0000e+00	0.0000e+00	-7.4634e+00	1.4728e+03	2.6974e+01
	510	0.0000e+00	0.0000e+00	0.0000e+00	2.0162e+01	-3.5872e+02	2.5991e+02
	509	0.0000e+00	0.0000e+00	0.0000e+00	-6.5904e+01	-4.6819e+02	3.1070e+01
206	126	0.0000e+00	0.0000e+00	0.0000e+00	-3.3854e+02	1.6251e+01	-9.2395e+01
	127	0.0000e+00	0.0000e+00	0.0000e+00	-4.3869e+01	4.7846e+01	-5.1295e+01
	41	0.0000e+00	0.0000e+00	0.0000e+00	7.1202e+01	1.7172e+03	3.5125e+01
	40	0.0000e+00	0.0000e+00	0.0000e+00	-4.0279e+02	1.4692e+03	-5.9753e+00
207	91	0.0000e+00	0.0000e+00	0.0000e+00	2.6332e+02	-6.0759e+01	7.0303e+01
	509	0.0000e+00	0.0000e+00	0.0000e+00	-3.1551e+02	-5.3945e+02	8.9360e+01
	399	0.0000e+00	0.0000e+00	0.0000e+00	-1.6258e+02	2.7652e+01	-5.6470e+01
	60	0.0000e+00	0.0000e+00	0.0000e+00	1.2310e+02	-7.2456e+01	-8.3691e+01
208	168	0.0000e+00	0.0000e+00	0.0000e+00	-4.6616e+02	4.4237e+01	-2.0201e+02
	40	0.0000e+00	0.0000e+00	0.0000e+00	2.5387e+02	1.2618e+03	-1.6505e+02
	509	0.0000e+00	0.0000e+00	0.0000e+00	-2.1833e+02	-4.1626e+02	2.0748e+02
	91	0.0000e+00	0.0000e+00	0.0000e+00	1.0087e+02	-2.0745e+01	9.0811e+01
209	1	0.0000e+00	0.0000e+00	0.0000e+00	4.4130e+02	6.5025e+02	-3.2060e+02
	126	0.0000e+00	0.0000e+00	0.0000e+00	-5.4152e+02	-1.6811e+02	-3.8709e+02
	40	0.0000e+00	0.0000e+00	0.0000e+00	2.9828e+02	1.3036e+03	-1.9727e+02
	168	0.0000e+00	0.0000e+00	0.0000e+00	-4.3953e+02	2.6621e+01	-1.7231e+02
210	508	0.0000e+00	0.0000e+00	0.0000e+00	2.1120e+01	-4.3902e+02	7.1218e+01
	476	0.0000e+00	0.0000e+00	0.0000e+00	-8.8064e+01	-5.4215e+02	8.5831e+01
	187	0.0000e+00	0.0000e+00	0.0000e+00	-2.1330e+01	-1.3289e+02	5.2652e+01
	407	0.0000e+00	0.0000e+00	0.0000e+00	-1.9905e+01	-1.5348e+02	3.6647e+01
211	507	0.0000e+00	0.0000e+00	0.0000e+00	-5.9152e+02	1.6935e+02	-1.3664e+02
	49	0.0000e+00	0.0000e+00	0.0000e+00	3.2721e+02	6.4622e+02	-2.1310e+01
	476	0.0000e+00	0.0000e+00	0.0000e+00	4.8679e+00	-4.3651e+02	1.9546e+00
	508	0.0000e+00	0.0000e+00	0.0000e+00	-3.0502e+01	-1.0448e+02	1.8695e+01
212	506	0.0000e+00	0.0000e+00	0.0000e+00	-5.9688e+02	1.1273e+03	-4.0501e+02
	45	0.0000e+00	0.0000e+00	0.0000e+00	4.1615e+02	1.0173e+03	-2.0468e+02
	49	0.0000e+00	0.0000e+00	0.0000e+00	2.1068e+02	9.7247e+02	-2.2604e+02
	507	0.0000e+00	0.0000e+00	0.0000e+00	-6.2208e+02	7.1186e+02	-2.6483e+02
213	487	0.0000e+00	0.0000e+00	0.0000e+00	-9.3950e+01	-6.5637e+02	-3.9631e+01

	508	0.0000e+00	0.0000e+00	0.0000e+00	5.2762e+01	-4.4947e+02	-2.4840e+01
	407	0.0000e+00	0.0000e+00	0.0000e+00	2.3365e+00	-1.5806e+02	2.9006e+01
	406	0.0000e+00	0.0000e+00	0.0000e+00	-3.3193e+01	-1.0766e+02	3.9334e+01
214	48	0.0000e+00	0.0000e+00	0.0000e+00	2.9555e+02	5.9579e+02	4.3197e+00
	507	0.0000e+00	0.0000e+00	0.0000e+00	-5.6968e+02	1.5795e+02	1.3207e+02
	508	0.0000e+00	0.0000e+00	0.0000e+00	4.7397e+00	-1.2251e+02	4.3569e+00
	487	0.0000e+00	0.0000e+00	0.0000e+00	-6.0793e+00	-4.8341e+02	2.7054e+01
215	44	0.0000e+00	0.0000e+00	0.0000e+00	4.6560e+02	1.0234e+03	2.1241e+02
	506	0.0000e+00	0.0000e+00	0.0000e+00	-5.6265e+02	1.1338e+03	4.0980e+02
	507	0.0000e+00	0.0000e+00	0.0000e+00	-6.2669e+02	7.1084e+02	2.5258e+02
	48	0.0000e+00	0.0000e+00	0.0000e+00	2.0285e+02	9.7942e+02	2.3215e+02
216	491	0.0000e+00	0.0000e+00	0.0000e+00	-1.1135e+02	-7.2004e+02	9.3146e+00
	487	0.0000e+00	0.0000e+00	0.0000e+00	1.3118e+02	-5.9426e+02	-5.9594e+01
	406	0.0000e+00	0.0000e+00	0.0000e+00	-3.4483e+01	-1.3264e+02	-1.2971e+01
	186	0.0000e+00	0.0000e+00	0.0000e+00	-2.5019e+01	-1.0247e+02	3.0301e+01
217	43	0.0000e+00	0.0000e+00	0.0000e+00	2.9669e+01	7.3642e+02	-1.3043e+01
	48	0.0000e+00	0.0000e+00	0.0000e+00	1.4115e+02	8.3267e+02	-9.5598e+01
	487	0.0000e+00	0.0000e+00	0.0000e+00	2.4618e+01	-2.7331e+02	5.2048e+01
	491	0.0000e+00	0.0000e+00	0.0000e+00	-1.3598e+00	-3.8659e+02	8.0471e+01
218	42	0.0000e+00	0.0000e+00	0.0000e+00	6.1404e+01	1.0737e+03	7.8084e+01
	44	0.0000e+00	0.0000e+00	0.0000e+00	2.5195e+02	1.1389e+03	3.1922e+01
	48	0.0000e+00	0.0000e+00	0.0000e+00	2.8653e+02	1.0944e+03	5.1226e+01
	43	0.0000e+00	0.0000e+00	0.0000e+00	-3.3968e+01	1.1026e+03	9.4783e+01
219	477	0.0000e+00	0.0000e+00	0.0000e+00	-3.9907e+01	-7.6081e+02	5.1160e+02
	485	0.0000e+00	0.0000e+00	0.0000e+00	-8.3616e+01	-1.1301e+03	5.0858e+02
	61	0.0000e+00	0.0000e+00	0.0000e+00	-1.1715e+02	-4.5061e+02	3.1396e+02
	411	0.0000e+00	0.0000e+00	0.0000e+00	-1.2793e+01	-3.8278e+02	3.1620e+02
220	51	0.0000e+00	0.0000e+00	0.0000e+00	-1.2060e+03	1.1286e+03	4.2109e+02
	8	0.0000e+00	0.0000e+00	0.0000e+00	-3.7060e+01	2.0068e+03	7.9941e+02
	485	0.0000e+00	0.0000e+00	0.0000e+00	6.6547e+00	-1.0648e+03	8.3374e+02
	477	0.0000e+00	0.0000e+00	0.0000e+00	-2.3340e+02	-3.0974e+01	2.8737e+02
221	47	0.0000e+00	0.0000e+00	0.0000e+00	-1.1812e+03	1.4641e+03	-9.1502e+01
	7	0.0000e+00	0.0000e+00	0.0000e+00	-7.5851e+01	2.1067e+03	6.3426e+00
	8	0.0000e+00	0.0000e+00	0.0000e+00	-3.3687e+00	1.9499e+03	3.8620e+02
	51	0.0000e+00	0.0000e+00	0.0000e+00	-1.1030e+03	1.4719e+03	2.5772e+02
222	473	0.0000e+00	0.0000e+00	0.0000e+00	4.3252e+01	-5.7696e+02	2.0890e+02
	477	0.0000e+00	0.0000e+00	0.0000e+00	-3.4747e+02	-7.7707e+02	3.2851e+02
	411	0.0000e+00	0.0000e+00	0.0000e+00	-6.2429e+01	-2.3669e+02	2.3721e+02
	409	0.0000e+00	0.0000e+00	0.0000e+00	-4.1435e+01	-2.0383e+02	1.1371e+02
223	50	0.0000e+00	0.0000e+00	0.0000e+00	-2.5319e+02	8.6913e+02	1.2040e+02
	51	0.0000e+00	0.0000e+00	0.0000e+00	-5.1700e+02	9.3504e+02	3.0571e+02
	477	0.0000e+00	0.0000e+00	0.0000e+00	-2.6482e+02	-3.0119e+02	3.0962e+02
	473	0.0000e+00	0.0000e+00	0.0000e+00	-1.9329e+02	-1.3792e+02	1.0008e+02
224	46	0.0000e+00	0.0000e+00	0.0000e+00	-1.6071e+02	1.2163e+03	-3.2955e+01
	47	0.0000e+00	0.0000e+00	0.0000e+00	-7.4159e+02	1.3241e+03	2.0437e+01
	51	0.0000e+00	0.0000e+00	0.0000e+00	-7.0081e+02	1.2623e+03	8.4441e+01
	50	0.0000e+00	0.0000e+00	0.0000e+00	-1.3651e+02	1.1597e+03	3.1049e+01
225	476	0.0000e+00	0.0000e+00	0.0000e+00	1.4625e+02	-5.1650e+02	9.2162e+01
	473	0.0000e+00	0.0000e+00	0.0000e+00	-1.5990e+02	-5.3089e+02	8.7646e+01
	409	0.0000e+00	0.0000e+00	0.0000e+00	2.6317e+00	-2.0272e+02	7.3530e+01
	187	0.0000e+00	0.0000e+00	0.0000e+00	-2.0356e+01	-1.9352e+02	8.2841e+01
226	49	0.0000e+00	0.0000e+00	0.0000e+00	1.1982e+02	8.2839e+02	1.1048e+02
	50	0.0000e+00	0.0000e+00	0.0000e+00	-7.3944e+01	7.4973e+02	9.4587e+01
	473	0.0000e+00	0.0000e+00	0.0000e+00	-7.2475e+01	-3.5281e+02	1.0569e+00
	476	0.0000e+00	0.0000e+00	0.0000e+00	1.5296e+01	-2.2472e+02	-5.3401e+00
227	45	0.0000e+00	0.0000e+00	0.0000e+00	1.6972e+02	1.1035e+03	-3.3998e+01
	46	0.0000e+00	0.0000e+00	0.0000e+00	-1.4659e+02	1.1792e+03	-9.6376e+00

	50	0.0000e+00	0.0000e+00	0.0000e+00	-1.8920e+02	1.0598e+03	-5.8164e+00
	49	0.0000e+00	0.0000e+00	0.0000e+00	2.4199e+02	1.1229e+03	-3.0177e+01
228	58	0.0000e+00	0.0000e+00	0.0000e+00	1.5251e+02	-3.1470e+02	-5.6809e+02
	1	0.0000e+00	0.0000e+00	0.0000e+00	-6.9123e+02	-4.5894e+02	-4.5337e+02
	464	0.0000e+00	0.0000e+00	0.0000e+00	1.4032e+02	7.3468e+02	-1.7204e+02
	421	0.0000e+00	0.0000e+00	0.0000e+00	-6.8427e+01	3.7744e+02	-3.1880e+02

SFORZI "#4 Accidentale neve" (Fase 1)

Generato da analisi lunedì 11 aprile 2022 alle ore 15:46:51.

Elem	Nodo	N	Vy	Vz	Mx	My	Mz
15	583	0.0000e+00	-8.2254e-01	-1.6653e-15	9.5081e+00	6.3949e-14	-5.6368e+01
	437	0.0000e+00	8.2254e-01	1.6653e-15	-9.5081e+00	0.0000e+00	-6.8490e+01
16	430	-1.4211e-14	-1.2952e+00	4.4409e-16	5.6507e+01	4.2633e-14	-1.1241e+02
	583	1.4211e-14	1.2952e+00	-4.4409e-16	-5.6507e+01	-1.4211e-14	-1.2304e+02
17	437	2.7089e-14	-9.4211e-01	-7.1054e-15	-5.0090e+01	0.0000e+00	-2.4162e+01
	133	-2.7089e-14	9.4211e-01	7.1054e-15	5.0090e+01	-2.2737e-13	-8.7514e+01
18	428	0.0000e+00	8.0115e+01	-7.1054e-15	1.7187e+01	2.2737e-13	5.2180e+03
	131	0.0000e+00	-8.0115e+01	7.1054e-15	-1.7187e+01	0.0000e+00	4.2914e+03
19	427	-2.8422e-14	1.4423e+00	0.0000e+00	1.0825e+02	2.2737e-13	-2.7124e+02
	130	2.8422e-14	-1.4423e+00	0.0000e+00	-1.0825e+02	0.0000e+00	4.4253e+02
20	430	-7.1054e-15	4.3938e+01	7.1054e-15	-1.3350e+01	2.2737e-13	2.9826e+03
	132	7.1054e-15	-4.3938e+01	-7.1054e-15	1.3350e+01	0.0000e+00	2.2490e+03
21	446	2.8422e-14	3.4212e+01	3.5527e-15	7.6151e+01	0.0000e+00	2.3657e+03
	134	-2.8422e-14	-3.4212e+01	-3.5527e-15	-7.6151e+01	0.0000e+00	1.7322e+03
22	455	-4.2633e-14	5.8960e+01	1.4211e-14	2.8054e+00	4.5475e-13	4.1690e+03
	135	4.2633e-14	-5.8960e+01	-1.4211e-14	-2.8054e+00	0.0000e+00	2.9045e+03
23	460	2.8422e-14	6.3492e+01	7.1054e-15	7.2186e+01	2.2737e-13	4.4007e+03
	136	-2.8422e-14	-6.3492e+01	-7.1054e-15	-7.2186e+01	0.0000e+00	3.1280e+03
229	460	1.4211e-14	2.9988e-02	2.2204e-16	-1.9286e+02	-2.8422e-14	2.1403e+01
	25	-1.4211e-14	-2.9988e-02	-2.2204e-16	1.9286e+02	0.0000e+00	-1.1952e+01
230	455	0.0000e+00	2.7469e-01	1.1102e-16	-9.6676e+00	-1.4211e-14	3.9550e+01
	460	0.0000e+00	-2.7469e-01	-1.1102e-16	9.6676e+00	-1.4211e-14	4.3841e+01
231	446	0.0000e+00	1.4676e-01	-5.5511e-17	-1.4053e+01	1.4211e-14	2.8420e+01
	455	0.0000e+00	-1.4676e-01	5.5511e-17	1.4053e+01	2.1316e-14	2.3559e+01
232	437	0.0000e+00	4.9296e-02	8.3267e-17	-3.0139e+01	-3.1974e-14	1.4024e+01
	446	0.0000e+00	-4.9296e-02	-8.3267e-17	3.0139e+01	7.1054e-15	9.4200e-01
233	428	0.0000e+00	-4.2654e-01	2.2204e-16	4.4674e+01	-7.1054e-15	-7.0112e+01
	430	0.0000e+00	4.2654e-01	-2.2204e-16	-4.4674e+01	-2.8422e-14	-6.8167e+01
234	427	0.0000e+00	-2.9562e-01	1.1102e-16	-7.0555e+01	0.0000e+00	-3.9564e+01
	428	0.0000e+00	2.9562e-01	-1.1102e-16	7.0555e+01	4.2633e-14	-5.0183e+01
235	490	0.0000e+00	-6.9312e-01	0.0000e+00	-2.7877e+01	0.0000e+00	-9.7116e+01
	427	0.0000e+00	6.9312e-01	0.0000e+00	2.7877e+01	2.8422e-14	-1.1296e+02
236	410	-1.4211e-14	1.0009e-01	-3.3307e-16	7.0124e+00	0.0000e+00	1.1290e+01
	471	1.4211e-14	-1.0009e-01	3.3307e-16	-7.0124e+00	2.8422e-14	2.0257e+01
237	408	1.4211e-14	1.8438e-01	0.0000e+00	-1.7838e+01	-1.4211e-14	2.6890e+01
	410	-1.4211e-14	-1.8438e-01	0.0000e+00	1.7838e+01	-4.2633e-14	2.9086e+01
238	405	0.0000e+00	1.6092e-01	-5.5511e-17	-1.5480e+01	2.1316e-14	2.7993e+01
	408	0.0000e+00	-1.6092e-01	5.5511e-17	1.5480e+01	2.8422e-14	2.9002e+01
239	404	1.4211e-14	1.8675e-01	1.9429e-16	-2.2291e+01	2.8422e-14	2.8727e+01
	405	-1.4211e-14	-1.8675e-01	-1.9429e-16	2.2291e+01	8.8818e-15	2.7967e+01
240	403	-1.4211e-14	1.0066e-01	9.7145e-17	-1.5253e+01	-1.4211e-14	2.0614e+01

	404	1.4211e-14	-1.0066e-01	-9.7145e-17	1.5253e+01	-2.4869e-14	1.5037e+01
241	402	1.4211e-14	2.8016e-02	5.5511e-17	-4.3765e+01	0.0000e+00	6.3825e+00
	403	-1.4211e-14	-2.8016e-02	-5.5511e-17	4.3765e+01	-1.4211e-14	2.1227e+00
242	401	1.4211e-14	-9.9808e-02	-1.1102e-16	9.4446e+00	1.4211e-14	-9.9289e+00
	402	-1.4211e-14	9.9808e-02	1.1102e-16	-9.4446e+00	0.0000e+00	-2.0372e+01
243	470	1.4211e-14	-2.6607e-01	2.2204e-16	5.5241e+01	-2.8422e-14	-3.9527e+01
	401	-1.4211e-14	2.6607e-01	-2.2204e-16	-5.5241e+01	-2.8422e-14	-4.1249e+01
244	158	3.5527e-15	-4.3909e+00	4.4409e-16	3.0157e+01	-1.1369e-13	-8.6471e+02
	405	-3.5527e-15	4.3909e+00	-4.4409e-16	-3.0157e+01	0.0000e+00	-1.4571e+03
245	152	3.5527e-15	-5.8647e+00	-1.1102e-16	-3.1990e+00	2.8422e-14	-1.3985e+03
	403	-3.5527e-15	5.8647e+00	1.1102e-16	3.1990e+00	8.5265e-14	-1.7035e+03
246	160	-1.4211e-14	-9.6880e+00	4.4409e-16	-4.1101e+01	2.8422e-14	-2.2344e+03
	410	1.4211e-14	9.6880e+00	-4.4409e-16	4.1101e+01	0.0000e+00	-2.8860e+03
247	159	7.1054e-15	-7.0495e+00	-1.1102e-16	-3.8434e+01	5.6843e-14	-1.5565e+03
	408	-7.1054e-15	7.0495e+00	1.1102e-16	3.8434e+01	5.6843e-14	-2.1717e+03
248	157	-4.3299e-15	-4.6519e+00	1.1102e-16	-3.9359e+01	-2.8422e-14	-1.0032e+03
	404	4.3299e-15	4.6519e+00	-1.1102e-16	3.9359e+01	0.0000e+00	-1.4553e+03
249	150	7.1054e-15	-1.0797e+01	-1.1102e-16	-3.4321e+01	2.8422e-14	-3.2417e+03
	402	-7.1054e-15	1.0797e+01	1.1102e-16	3.4321e+01	0.0000e+00	-2.4674e+03
250	149	5.6843e-14	-7.6565e+00	0.0000e+00	-7.1088e+01	5.6843e-14	-2.3856e+03
	401	-5.6843e-14	7.6565e+00	0.0000e+00	7.1088e+01	0.0000e+00	-1.6613e+03
332	172	0.0000e+00	1.2010e+01	8.8818e-16	-6.1521e+01	1.1369e-13	1.8854e+03
	489	0.0000e+00	-1.2010e+01	-8.8818e-16	6.1521e+01	1.7053e-13	1.8540e+03
333	139	1.4211e-14	-2.1834e+01	4.4409e-16	-2.9781e+02	1.7053e-13	-3.4352e+03
	172	-1.4211e-14	2.1834e+01	-4.4409e-16	2.9781e+02	5.6843e-14	-3.3988e+03
334	179	1.4211e-14	5.6625e-01	3.5527e-15	-4.1231e+02	-4.5475e-13	3.2712e+02
	57	-1.4211e-14	-5.6625e-01	-3.5527e-15	4.1231e+02	-2.2737e-13	-1.5081e+02
335	259	1.4211e-14	-7.1664e+00	0.0000e+00	-1.0916e+02	-3.4106e-13	-1.3684e+03
	179	-1.4211e-14	7.1664e+00	0.0000e+00	1.0916e+02	-3.4106e-13	-8.7469e+02
336	2	0.0000e+00	2.1014e-01	4.4409e-16	-4.1144e+01	-5.6843e-14	1.6714e+01
	3	0.0000e+00	-2.1014e-01	-4.4409e-16	4.1144e+01	-1.1369e-13	3.0252e+01
337	54	0.0000e+00	8.8809e-02	-2.2204e-16	5.0405e+01	2.8422e-14	4.7638e+00
	4	0.0000e+00	-8.8809e-02	2.2204e-16	-5.0405e+01	0.0000e+00	1.5085e+01
338	56	-2.8422e-14	3.4749e-01	0.0000e+00	4.0650e+01	0.0000e+00	3.7022e+01
	55	2.8422e-14	-3.4749e-01	0.0000e+00	-4.0650e+01	-2.8422e-14	4.0643e+01
339	59	-2.8422e-14	3.5683e-01	0.0000e+00	2.5831e+01	2.8422e-14	1.1196e+01
	57	2.8422e-14	-3.5683e-01	0.0000e+00	-2.5831e+01	5.6843e-14	6.8556e+01
340	71	-3.4106e-13	2.5791e+01	3.9790e-13	1.9810e+02	9.0949e-13	8.6007e+01
	68	3.4106e-13	-2.5791e+01	-3.9790e-13	-1.9810e+02	2.7285e-12	2.7873e+02
341	66	0.0000e+00	-2.9929e+01	-2.8422e-14	2.7264e+01	2.2737e-13	-1.4415e+02
	69	0.0000e+00	2.9929e+01	2.8422e-14	-2.7264e+01	-2.2737e-13	-2.7912e+02
342	72	7.1054e-15	-2.7722e-02	-8.3267e-17	8.0873e+00	-2.8422e-14	-1.2622e-01
	73	-7.1054e-15	2.7722e-02	8.3267e-17	-8.0873e+00	-7.1054e-15	-1.0464e+01
343	180	0.0000e+00	1.0222e+01	-1.1369e-13	5.6230e+02	2.2737e-12	-5.2147e+02
	72	0.0000e+00	-1.0222e+01	1.1369e-13	-5.6230e+02	0.0000e+00	7.3830e+02
344	63	0.0000e+00	1.0222e+01	1.1102e-15	2.8874e+01	-5.6843e-14	9.4069e+02
	180	0.0000e+00	-1.0222e+01	-1.1102e-15	-2.8874e+01	0.0000e+00	7.6634e+02
345	62	-7.1054e-15	-6.3329e-02	4.3715e-16	-6.3614e+00	-4.0856e-14	-5.1627e+00
	63	7.1054e-15	6.3329e-02	-4.3715e-16	6.3614e+00	4.6185e-14	-1.1936e+01
346	65	-1.1369e-13	-4.8591e+01	2.2737e-13	3.6250e+02	4.5475e-13	-2.1367e+02

	62	1.1369e-13	4.8591e+01	-2.2737e-13	-3.6250e+02	-9.0949e-13	-8.1711e+02
347	64	0.0000e+00	2.1591e-02	5.5511e-17	3.3715e+01	7.1054e-15	3.9173e+00
	65	0.0000e+00	-2.1591e-02	-5.5511e-17	-3.3715e+01	3.5527e-14	4.3306e+00
348	249	1.6875e-14	-3.1853e+01	0.0000e+00	-5.9934e+01	0.0000e+00	-5.2983e+03
	248	-1.6875e-14	3.1853e+01	0.0000e+00	5.9934e+01	0.0000e+00	-4.7352e+03
349	233	4.4409e-14	7.2104e+00	-2.2204e-16	-5.7304e+00	-2.8422e-14	1.8372e+02
	249	-4.4409e-14	-7.2104e+00	2.2204e-16	5.7304e+00	-2.8422e-14	2.1092e+03
350	262	8.8818e-16	2.5367e+01	-3.3307e-16	5.2744e+02	0.0000e+00	4.0574e+03
	233	-8.8818e-16	-2.5367e+01	3.3307e-16	-5.2744e+02	-2.8422e-14	4.0092e+03
351	263	-2.3981e-14	-6.0801e+00	-1.6653e-16	2.5548e+02	-1.4211e-14	1.4232e+02
	262	2.3981e-14	6.0801e+00	1.6653e-16	-2.5548e+02	2.1316e-14	-2.0758e+03
352	264	2.9310e-14	-2.0224e+01	0.0000e+00	-6.8001e+02	-7.1054e-15	-3.3839e+03
	263	-2.9310e-14	2.0224e+01	0.0000e+00	6.8001e+02	2.1316e-14	-3.1887e+03
353	265	1.4211e-14	-1.0042e+01	-3.3307e-16	-1.6016e+02	4.2633e-14	-2.8809e+03
	264	-1.4211e-14	1.0042e+01	3.3307e-16	1.6016e+02	5.6843e-14	-3.1736e+02
354	258	-7.9936e-15	5.6397e+01	-4.4409e-16	-5.5780e+00	0.0000e+00	8.3949e+03
	265	7.9936e-15	-5.6397e+01	4.4409e-16	5.5780e+00	-2.8422e-14	9.2573e+03
355	243	1.2212e-14	8.3424e+00	-2.2204e-16	-1.6284e+01	-5.6843e-14	2.1132e+03
	258	-1.2212e-14	-8.3424e+00	2.2204e-16	1.6284e+01	-5.6843e-14	4.8262e+02
356	260	-1.4211e-14	6.9336e+00	0.0000e+00	2.5766e+02	1.1369e-13	1.0126e+03
	259	1.4211e-14	-6.9336e+00	0.0000e+00	-2.5766e+02	5.6843e-14	1.1957e+03
357	65	0.0000e+00	4.4502e+01	-8.8818e-16	3.4372e+02	-3.4106e-13	3.8806e+03
	260	0.0000e+00	-4.4502e+01	8.8818e-16	-3.4372e+02	3.4106e-13	3.6698e+03
358	257	-1.4211e-14	-7.9000e+00	8.8818e-16	2.1138e+02	1.1369e-13	-1.2423e+03
	3	1.4211e-14	7.9000e+00	-8.8818e-16	-2.1138e+02	0.0000e+00	-1.2884e+03
359	261	1.4211e-14	8.6188e-01	-8.8818e-16	2.0674e+00	-2.2737e-13	6.8577e+01
	257	-1.4211e-14	-8.6188e-01	8.8818e-16	-2.0674e+00	1.1369e-13	2.0550e+02
360	72	-4.2633e-14	9.2933e+00	4.4409e-16	-1.9420e+02	1.1369e-13	1.5631e+03
	261	4.2633e-14	-9.2933e+00	-4.4409e-16	1.9420e+02	8.5265e-14	1.4604e+03
369	241	-1.4211e-14	-7.3669e+00	0.0000e+00	-2.1064e+02	-1.1369e-13	-1.1720e+03
	4	1.4211e-14	7.3669e+00	0.0000e+00	2.1064e+02	0.0000e+00	-1.1880e+03
370	245	1.4211e-14	2.6021e+00	-4.4409e-16	-2.4577e+01	0.0000e+00	3.9262e+02
	241	-1.4211e-14	-2.6021e+00	4.4409e-16	2.4577e+01	0.0000e+00	4.3483e+02
371	240	1.4211e-14	1.1925e+00	-4.4409e-16	-5.6486e+01	5.6843e-14	1.8659e+02
	245	-1.4211e-14	-1.1925e+00	4.4409e-16	5.6486e+01	0.0000e+00	1.9263e+02
372	246	1.4211e-14	2.5143e-01	4.4409e-16	4.0603e+01	-1.1369e-13	5.2427e+01
	240	-1.4211e-14	-2.5143e-01	-4.4409e-16	-4.0603e+01	-8.5265e-14	2.7528e+01
373	242	-4.2633e-14	-1.9695e+00	6.6613e-16	-1.4130e+01	-2.8422e-14	-3.1657e+02
	246	4.2633e-14	1.9695e+00	-6.6613e-16	1.4130e+01	2.8422e-14	-3.2352e+02
374	214	4.2633e-14	-2.8229e-01	-4.4409e-16	-6.8586e+01	1.1369e-13	-1.5532e+02
	242	-4.2633e-14	2.8229e-01	4.4409e-16	6.8586e+01	0.0000e+00	6.5411e+01
375	213	4.2633e-14	2.0411e+00	-4.4409e-16	2.6254e+02	-1.1369e-13	1.3579e+02
	214	-4.2633e-14	-2.0411e+00	4.4409e-16	-2.6254e+02	-2.2737e-13	5.0308e+02
376	55	4.2633e-14	5.7736e+00	1.7764e-15	1.1187e+02	-1.1369e-13	1.2381e+03
	213	-4.2633e-14	-5.7736e+00	-1.7764e-15	-1.1187e+02	-3.4106e-13	5.5957e+02
385	179	2.8422e-14	-1.9205e-01	1.6653e-16	-3.0416e+01	-7.8160e-14	-2.0769e+02
	258	-2.8422e-14	1.9205e-01	-1.6653e-16	3.0416e+01	0.0000e+00	1.0802e+02
386	253	0.0000e+00	7.5406e+00	-1.7764e-15	4.9768e+02	-2.2737e-13	9.6451e+02
	179	0.0000e+00	-7.5406e+00	1.7764e-15	-4.9768e+02	0.0000e+00	4.9460e+02
387	250	1.4211e-14	1.0983e+01	1.7764e-15	-2.6322e+02	-1.1369e-13	5.5846e+02

	72	-1.4211e-14	-1.0983e+01	-1.7764e-15	2.6322e+02	-1.1369e-13	1.4034e+03
388	70	1.4211e-14	2.2928e+01	-8.8818e-16	-3.6978e+01	-2.2737e-13	1.5674e+03
	73	-1.4211e-14	-2.2928e+01	8.8818e-16	3.6978e+01	5.6843e-14	1.8230e+03
389	67	-8.5265e-14	-5.4367e+00	3.1086e-15	5.1332e+01	1.7053e-13	-3.4400e+02
	70	8.5265e-14	5.4367e+00	-3.1086e-15	-5.1332e+01	-7.1054e-14	-5.9655e+02
390	64	1.4211e-14	1.4673e+00	2.0872e-14	-6.4558e+01	-2.8422e-13	8.3818e+01
	67	-1.4211e-14	-1.4673e+00	-2.0872e-14	6.4558e+01	2.8422e-13	1.3315e+02
391	67	-4.6629e-14	9.1028e+01	2.6645e-15	-2.8360e+02	2.2737e-13	8.1735e+03
	263	4.6629e-14	-9.1028e+01	-2.6645e-15	2.8360e+02	-1.4211e-13	7.1411e+03
392	73	-1.4211e-14	9.7406e+01	-4.4409e-16	2.0086e+02	5.8265e-13	7.8258e+03
	262	1.4211e-14	-9.7406e+01	4.4409e-16	-2.0086e+02	1.9895e-13	6.9956e+03
393	257	0.0000e+00	2.0957e+00	0.0000e+00	-4.4389e+01	1.4211e-14	4.5889e+02
	249	0.0000e+00	-2.0957e+00	0.0000e+00	4.4389e+01	5.6843e-14	6.2878e+02
394	256	-2.8422e-14	2.3597e+01	-1.7764e-15	-5.4886e+01	-3.4106e-13	2.3025e+03
	257	2.8422e-14	-2.3597e+01	1.7764e-15	5.4886e+01	2.2737e-13	2.2636e+03
395	261	1.4211e-14	1.7777e+00	-2.2204e-16	4.9358e+01	-7.8160e-14	3.8112e+02
	233	-1.4211e-14	-1.7777e+00	2.2204e-16	-4.9358e+01	-4.2633e-14	5.4148e+02
396	252	2.8422e-14	2.2618e+01	3.5527e-15	1.0145e+01	1.1369e-13	2.2118e+03
	261	-2.8422e-14	-2.2618e+01	-3.5527e-15	-1.0145e+01	-2.2737e-13	2.1649e+03
397	260	2.8422e-14	3.7825e+00	4.4409e-16	9.0672e+00	-9.9476e-14	9.1336e+02
	264	-2.8422e-14	-3.7825e+00	-4.4409e-16	-9.0672e+00	-2.8422e-14	1.0498e+03
398	254	1.4211e-14	1.2530e+01	-3.5527e-15	-2.2421e+01	2.2737e-13	1.2995e+03
	260	-1.4211e-14	-1.2530e+01	3.5527e-15	2.2421e+01	-9.0949e-13	1.1251e+03
399	243	-5.6843e-14	-1.0003e+01	9.7145e-17	-1.7465e+02	1.0658e-14	-2.5508e+03
	55	5.6843e-14	1.0003e+01	-9.7145e-17	1.7465e+02	8.8818e-15	-2.9209e+03
400	57	-2.8422e-14	6.7036e+00	-9.7145e-17	1.1788e+02	3.1974e-14	1.6196e+03
	243	2.8422e-14	-6.7036e+00	9.7145e-17	-1.1788e+02	2.1316e-14	1.6919e+03
401	248	-2.8422e-14	-1.2484e+01	2.7756e-17	1.6802e+02	-2.1316e-14	-3.4238e+03
	4	2.8422e-14	1.2484e+01	-2.7756e-17	-1.6802e+02	3.5527e-15	-3.2805e+03
402	3	0.0000e+00	1.5988e+01	1.3878e-17	-1.8270e+02	-3.5527e-14	4.1772e+03
	248	0.0000e+00	-1.5988e+01	-1.3878e-17	1.8270e+02	-2.1316e-14	3.8813e+03
403	241	2.8422e-14	-2.7733e+01	5.3291e-15	1.2329e+02	2.2737e-13	-2.7164e+03
	236	-2.8422e-14	2.7733e+01	-5.3291e-15	-1.2329e+02	1.0232e-12	-2.6499e+03
404	249	-1.4211e-14	-1.3824e+00	5.5511e-17	5.3454e+01	1.4211e-14	-4.6882e+02
	241	1.4211e-14	1.3824e+00	-5.5511e-17	-5.3454e+01	-2.8422e-14	-2.9425e+02
405	245	2.8422e-14	-2.9835e+01	0.0000e+00	1.2209e+02	0.0000e+00	-2.9542e+03
	244	-2.8422e-14	2.9835e+01	0.0000e+00	-1.2209e+02	0.0000e+00	-2.8188e+03
406	233	1.4211e-14	-1.6263e+00	-2.7756e-16	-1.0440e+02	8.5265e-14	-5.6100e+02
	245	-1.4211e-14	1.6263e+00	2.7756e-16	1.0440e+02	-4.2633e-14	-3.3669e+02
407	240	0.0000e+00	-3.6531e+01	-1.7764e-15	1.9154e+01	-6.8212e-13	-3.6008e+03
	238	0.0000e+00	3.6531e+01	1.7764e-15	-1.9154e+01	-7.9581e-13	-3.4680e+03
408	262	7.1054e-15	-6.4866e+00	1.3878e-17	-1.1327e+02	1.7764e-14	-3.1650e+03
	240	-7.1054e-15	6.4866e+00	-1.3878e-17	1.1327e+02	-3.5527e-15	-4.1560e+02
409	246	-2.2204e-15	-3.0178e+01	-3.5527e-15	-7.5957e+01	-4.5475e-13	-2.9758e+03
	239	2.2204e-15	3.0178e+01	3.5527e-15	7.5957e+01	-4.5475e-13	-2.8636e+03
410	263	2.0428e-14	-2.9087e+00	5.5511e-17	1.1293e+02	2.8422e-14	-1.1622e+03
	246	-2.0428e-14	2.9087e+00	-5.5511e-17	-1.1293e+02	0.0000e+00	-4.4338e+02
411	242	0.0000e+00	-3.0692e+01	1.7764e-15	-8.3329e+01	-4.5475e-13	-2.9314e+03
	247	0.0000e+00	3.0692e+01	-1.7764e-15	8.3329e+01	1.1369e-13	-3.0162e+03
412	264	-7.1054e-15	-1.7826e+00	-1.1102e-16	8.8668e+01	8.5265e-14	-6.4594e+02

	242	7.1054e-15	1.7826e+00	1.1102e-16	-8.8668e+01	1.4211e-14	-3.3803e+02
413	213	5.6843e-14	2.6794e+00	-1.0658e-14	-6.0396e+02	-4.5475e-13	4.0452e+02
	235	-5.6843e-14	-2.6794e+00	1.0658e-14	6.0396e+02	2.2737e-13	1.1394e+02
414	258	1.4211e-14	-1.0530e+00	-6.1062e-16	8.5369e+01	1.9895e-13	-3.0060e+02
	213	-1.4211e-14	1.0530e+00	6.1062e-16	-8.5369e+01	9.9476e-14	-2.8067e+02
415	214	5.6843e-14	-4.1954e+00	-8.8818e-16	-3.9575e+02	1.7053e-13	8.3532e+02
	234	-5.6843e-14	4.1954e+00	8.8818e-16	3.9575e+02	-5.6843e-14	-1.6471e+03
416	265	0.0000e+00	-6.5188e+00	-9.7145e-17	-4.7981e+01	-1.4211e-14	-2.4319e+03
	214	0.0000e+00	6.5188e+00	9.7145e-17	4.7981e+01	-2.1316e-14	-1.1664e+03
417	259	-1.4211e-14	2.3395e+00	-2.7756e-17	2.0066e+02	-3.5527e-15	-5.5789e+02
	265	1.4211e-14	-2.3395e+00	2.7756e-17	-2.0066e+02	7.1054e-15	1.7721e+03
418	255	0.0000e+00	6.4750e+01	0.0000e+00	-1.0643e+02	-1.7053e-13	6.3261e+03
	259	0.0000e+00	-6.4750e+01	0.0000e+00	1.0643e+02	-1.7053e-13	6.2215e+03
419	177	-2.8422e-14	1.0951e+00	4.4409e-16	-4.5031e+02	-3.4106e-13	4.6889e+02
	81	2.8422e-14	-1.0951e+00	-4.4409e-16	4.5031e+02	0.0000e+00	-1.2793e+02
420	301	-1.4211e-14	-9.8721e+00	-4.4409e-16	-1.7831e+02	5.6843e-14	-1.8088e+03
	177	1.4211e-14	9.8721e+00	4.4409e-16	1.7831e+02	2.2737e-13	-1.2811e+03
421	165	0.0000e+00	-2.2811e-01	-2.2204e-16	-6.9529e+01	1.1369e-13	-1.0819e+01
	164	0.0000e+00	2.2811e-01	2.2204e-16	6.9529e+01	1.1369e-13	-4.0163e+01
422	125	2.8422e-14	-9.1530e-02	4.4409e-16	7.9542e+01	-1.1369e-13	1.3307e+00
	124	-2.8422e-14	9.1530e-02	-4.4409e-16	-7.9542e+01	-1.4211e-13	-2.1788e+01
423	75	5.6843e-14	-3.6812e-01	-6.6613e-16	1.1618e+01	5.6843e-14	-2.7593e+01
	74	-5.6843e-14	3.6812e-01	6.6613e-16	-1.1618e+01	8.5265e-14	-5.4682e+01
424	80	0.0000e+00	-7.7028e-01	-2.2204e-16	3.0135e+01	5.6843e-14	-7.0452e+01
	81	0.0000e+00	7.7028e-01	2.2204e-16	-3.0135e+01	1.9895e-13	-1.0171e+02
425	112	-5.1159e-13	3.8140e+01	2.2737e-13	2.5649e+02	-9.0949e-13	1.3653e+02
	105	5.1159e-13	-3.8140e+01	-2.2737e-13	-2.5649e+02	-1.8190e-12	4.0284e+02
426	99	2.8422e-13	-5.7705e+01	-1.1369e-13	9.6952e+01	-6.8212e-13	-2.6463e+02
	106	-2.8422e-13	5.7705e+01	1.1369e-13	-9.6952e+01	-6.8212e-13	-5.5144e+02
427	117	-3.5527e-14	3.5410e-02	3.3307e-16	-2.4302e+01	-7.1054e-15	1.7638e+01
	118	3.5527e-14	-3.5410e-02	-3.3307e-16	2.4302e+01	-1.4211e-14	-4.1112e+00
428	178	-5.6843e-14	1.0578e+01	1.9895e-13	4.9894e+02	1.3642e-12	-4.4991e+02
	117	5.6843e-14	-1.0578e+01	-1.9895e-13	-4.9894e+02	9.0949e-13	6.7430e+02
429	93	4.2633e-14	1.0578e+01	1.7764e-15	3.4670e+01	-5.6843e-14	1.0956e+03
	178	-4.2633e-14	-1.0578e+01	-1.7764e-15	-3.4670e+01	2.8422e-14	6.7094e+02
430	94	3.5527e-14	3.5527e-02	-1.5266e-16	1.1196e+00	4.0856e-14	9.6660e+00
	93	-3.5527e-14	-3.5527e-02	1.5266e-16	-1.1196e+00	3.1974e-14	-7.3740e-02
431	86	3.4106e-13	-1.8754e+01	-5.6843e-14	5.6026e+02	0.0000e+00	2.7979e+02
	94	-3.4106e-13	1.8754e+01	5.6843e-14	-5.6026e+02	-4.5475e-13	-6.7762e+02
432	87	-1.4211e-14	4.1155e-02	1.6653e-16	5.6342e+01	-4.2633e-14	9.2828e+00
	86	1.4211e-14	-4.1155e-02	-1.6653e-16	-5.6342e+01	-2.1316e-14	6.4384e+00
433	298	1.2434e-14	-4.7730e+01	-4.4409e-16	2.6825e+01	0.0000e+00	-8.3243e+03
	309	-1.2434e-14	4.7730e+01	4.4409e-16	-2.6825e+01	-2.8422e-14	-6.7105e+03
434	325	-1.9540e-14	1.0029e+01	1.1102e-16	2.3404e+02	0.0000e+00	3.9045e+02
	298	1.9540e-14	-1.0029e+01	-1.1102e-16	-2.3404e+02	5.6843e-14	2.7989e+03
435	304	-3.9080e-14	2.9546e+01	-1.1102e-16	7.0072e+02	-5.6843e-14	4.8014e+03
	325	3.9080e-14	-2.9546e+01	1.1102e-16	-7.0072e+02	1.4211e-14	4.5941e+03
436	299	3.6415e-14	-1.0278e+01	1.6653e-16	3.8709e+02	7.1054e-15	-3.9027e+02
	304	-3.6415e-14	1.0278e+01	-1.6653e-16	-3.8709e+02	-2.1316e-14	-2.8781e+03
437	332	8.9706e-14	-2.2416e+01	1.3878e-16	-1.1371e+03	5.6843e-14	-3.7412e+03

	299	-8.9706e-14	2.2416e+01	-1.3878e-16	1.1371e+03	2.8422e-14	-3.5440e+03
438	333	4.1744e-14	-1.8679e+01	-4.4409e-16	-2.5540e+02	5.6843e-14	-4.6397e+03
	332	-4.1744e-14	1.8679e+01	4.4409e-16	2.5540e+02	1.4211e-14	-1.3097e+03
439	306	7.0166e-14	8.2640e+01	2.2204e-16	1.2708e+02	-1.1369e-13	1.2526e+04
	333	-7.0166e-14	-8.2640e+01	-2.2204e-16	-1.2708e+02	0.0000e+00	1.3341e+04
440	316	5.3735e-14	5.7409e+00	2.2204e-16	-2.5007e+02	1.4211e-13	1.6611e+03
	306	-5.3735e-14	-5.7409e+00	-2.2204e-16	2.5007e+02	1.7053e-13	1.2525e+02
441	305	-7.1054e-15	1.0465e+01	-8.8818e-16	4.2684e+02	0.0000e+00	1.3949e+03
	301	7.1054e-15	-1.0465e+01	8.8818e-16	-4.2684e+02	-2.8422e-14	1.9381e+03
442	86	-2.8422e-14	6.9613e+01	8.8818e-16	4.3413e+02	-3.4106e-13	6.1546e+03
	305	2.8422e-14	-6.9613e+01	-8.8818e-16	-4.3413e+02	-5.6843e-14	5.6562e+03
443	311	-2.8422e-14	-1.0638e+01	4.4409e-16	2.4915e+02	2.2737e-13	-1.8536e+03
	164	2.8422e-14	1.0638e+01	-4.4409e-16	-2.4915e+02	2.2737e-13	-1.5543e+03
444	312	-3.5527e-14	1.0129e+00	-4.4409e-16	-2.7834e+01	-3.4106e-13	1.0453e+02
	311	3.5527e-14	-1.0129e+00	4.4409e-16	2.7834e+01	-2.2737e-13	2.1756e+02
445	117	0.0000e+00	1.2967e+01	-6.6613e-16	-2.6250e+02	-2.8422e-14	2.0520e+03
	312	0.0000e+00	-1.2967e+01	6.6613e-16	2.6250e+02	1.1369e-13	2.1666e+03
454	318	-2.1316e-14	-1.0183e+01	0.0000e+00	-3.0404e+02	0.0000e+00	-1.7757e+03
	124	2.1316e-14	1.0183e+01	0.0000e+00	3.0404e+02	0.0000e+00	-1.4864e+03
455	322	5.6843e-14	1.8162e+00	0.0000e+00	-1.3961e+02	5.6843e-14	2.0045e+02
	318	-5.6843e-14	-1.8162e+00	0.0000e+00	1.3961e+02	5.6843e-14	3.7710e+02
456	327	6.3949e-14	-3.4998e-01	-4.4409e-16	-4.5498e+01	1.7053e-13	3.7592e+00
	322	-6.3949e-14	3.4998e-01	4.4409e-16	4.5498e+01	-2.2737e-13	-1.1505e+02
457	315	7.1054e-14	1.3217e+00	-5.5511e-17	3.2239e+01	-1.5632e-13	2.7589e+02
	327	-7.1054e-14	-1.3217e+00	5.5511e-17	-3.2239e+01	1.0658e-13	1.4442e+02
458	328	-2.8422e-14	-1.4960e+00	5.5511e-17	9.1248e+01	-1.0658e-13	-2.5434e+02
	315	2.8422e-14	1.4960e+00	-5.5511e-17	-9.1248e+01	1.5632e-13	-2.3187e+02
459	287	1.4211e-14	-1.8749e+00	-6.6613e-16	-8.4142e+01	1.4211e-13	-4.0120e+02
	328	-1.4211e-14	1.8749e+00	6.6613e-16	8.4142e+01	-5.6843e-14	-1.9595e+02
460	270	4.9738e-14	1.7965e+00	1.3323e-15	3.2979e+02	2.2737e-13	-3.4581e+01
	287	-4.9738e-14	-1.7965e+00	-1.3323e-15	-3.2979e+02	1.1369e-13	5.9687e+02
461	74	4.2633e-14	7.4981e+00	0.0000e+00	1.6790e+02	-1.1369e-13	1.2597e+03
	270	-4.2633e-14	-7.4981e+00	0.0000e+00	-1.6790e+02	0.0000e+00	1.0749e+03
470	177	1.4211e-14	-7.5020e-01	-5.5511e-17	-7.5070e+01	0.0000e+00	-3.6022e+02
	306	-1.4211e-14	7.5020e-01	5.5511e-17	7.5070e+01	1.4211e-14	-2.9132e+01
471	313	1.9895e-13	1.0217e+01	1.7764e-15	7.1601e+02	0.0000e+00	1.3679e+03
	177	-1.9895e-13	-1.0217e+01	-1.7764e-15	-7.1601e+02	-1.1369e-13	6.0911e+02
472	303	-2.8422e-14	-3.3658e+00	8.8818e-16	-1.3354e+01	-1.1369e-13	-4.4189e+02
	117	2.8422e-14	3.3658e+00	-8.8818e-16	1.3354e+01	-5.6843e-14	-1.5937e+02
473	111	-2.1316e-14	2.4882e+01	6.2172e-15	-1.4325e+01	-2.2737e-13	1.8034e+03
	118	2.1316e-14	-2.4882e+01	-6.2172e-15	1.4325e+01	-3.9790e-13	1.8760e+03
474	100	0.0000e+00	-7.4308e+00	1.8874e-15	7.5620e+01	3.9790e-13	-5.1597e+02
	111	0.0000e+00	7.4308e+00	-1.8874e-15	-7.5620e+01	-3.7659e-13	-7.6956e+02
475	87	7.1054e-14	3.9336e+00	-2.4425e-15	-8.8629e+01	-1.6342e-13	2.7381e+02
	100	-7.1054e-14	-3.9336e+00	2.4425e-15	8.8629e+01	1.9895e-13	3.0785e+02
476	100	-4.2077e-14	1.4018e+02	6.6613e-16	-3.8839e+02	-4.1211e-13	1.2757e+04
	299	4.2077e-14	-1.4018e+02	-6.6613e-16	3.8839e+02	2.2737e-13	1.0826e+04
477	118	5.6843e-14	1.5661e+02	4.6629e-15	2.8783e+01	-3.9790e-13	1.2746e+04
	304	-5.6843e-14	-1.5661e+02	-4.6629e-15	-2.8783e+01	1.4211e-13	1.1084e+04
478	311	1.4211e-14	2.5628e+00	-2.7756e-16	-7.5834e+01	1.3500e-13	5.7899e+02

	298	-1.4211e-14	-2.5628e+00	2.7756e-16	7.5834e+01	-5.6843e-14	7.5108e+02
479	307	5.6843e-14	3.3432e+01	-7.1054e-15	-7.1840e+01	-1.1369e-13	3.2136e+03
	311	-5.6843e-14	-3.3432e+01	7.1054e-15	7.1840e+01	2.2737e-13	3.2555e+03
480	312	0.0000e+00	1.5922e+00	1.1102e-16	7.0242e+01	3.5527e-14	4.0556e+02
	325	0.0000e+00	-1.5922e+00	-1.1102e-16	-7.0242e+01	7.1054e-14	4.2081e+02
481	300	5.6843e-14	3.3006e+01	0.0000e+00	2.1249e+01	7.9581e-13	3.1372e+03
	312	-5.6843e-14	-3.3006e+01	0.0000e+00	-2.1249e+01	4.5475e-13	3.2494e+03
482	305	2.4869e-14	4.8825e+00	-3.8858e-16	1.1625e+02	7.1054e-14	1.2306e+03
	332	-2.4869e-14	-4.8825e+00	3.8858e-16	-1.1625e+02	1.1369e-13	1.3035e+03
483	302	-4.2633e-14	1.7656e+01	5.3291e-15	-2.1705e+02	6.8212e-13	1.7055e+03
	305	4.2633e-14	-1.7656e+01	-5.3291e-15	2.1705e+02	-6.8212e-13	1.7111e+03
484	316	-1.4211e-14	-1.4050e+01	1.1102e-16	2.0979e+02	7.1054e-15	-3.7434e+03
	74	1.4211e-14	1.4050e+01	-1.1102e-16	-2.0979e+02	8.8818e-15	-3.9421e+03
485	81	0.0000e+00	8.9903e+00	-4.1633e-17	1.5111e+02	1.4211e-14	1.8646e+03
	316	0.0000e+00	-8.9903e+00	4.1633e-17	-1.5111e+02	2.8422e-14	2.5766e+03
486	309	1.4211e-14	-1.6159e+01	6.2450e-17	1.1800e+02	-3.5527e-14	-4.5721e+03
	124	-1.4211e-14	1.6159e+01	-6.2450e-17	-1.1800e+02	3.5527e-15	-4.1059e+03
487	164	-1.4211e-14	2.2137e+01	-5.5511e-17	-1.0356e+02	-2.4869e-14	5.7108e+03
	309	1.4211e-14	-2.2137e+01	5.5511e-17	1.0356e+02	-1.4211e-14	5.4470e+03
488	318	0.0000e+00	-3.6340e+01	-8.8818e-16	1.5050e+02	5.6843e-13	-3.4759e+03
	317	0.0000e+00	3.6340e+01	8.8818e-16	-1.5050e+02	3.4106e-13	-3.5559e+03
489	298	-1.4211e-14	-1.7716e+00	-2.7756e-16	7.7903e+01	4.2633e-14	-6.7217e+02
	318	1.4211e-14	1.7716e+00	2.7756e-16	-7.7903e+01	7.1054e-15	-3.0573e+02
490	322	4.2633e-14	-3.7289e+01	-2.6645e-15	1.4635e+01	-5.6843e-13	-3.4310e+03
	324	-4.2633e-14	3.7289e+01	2.6645e-15	-1.4635e+01	2.2737e-13	-3.7843e+03
491	325	-7.1054e-15	-2.2918e+00	2.7756e-16	-4.4697e+01	0.0000e+00	-9.8650e+02
	322	7.1054e-15	2.2918e+00	-2.7756e-16	4.4697e+01	0.0000e+00	-2.7859e+02
492	327	-2.8422e-14	-4.9095e+01	-1.7764e-15	1.7135e+01	-5.6843e-13	-4.6241e+03
	331	2.8422e-14	4.9095e+01	1.7764e-15	-1.7135e+01	0.0000e+00	-4.8758e+03
493	304	-1.4211e-14	-1.0853e+01	1.1796e-16	-1.1014e+02	-2.8422e-14	-5.6908e+03
	327	1.4211e-14	1.0853e+01	-1.1796e-16	1.1014e+02	3.5527e-15	-3.0017e+02
494	315	-4.2188e-15	-3.7930e+01	-1.7764e-15	2.4983e+01	3.4106e-13	-3.4998e+03
	319	4.2188e-15	3.7930e+01	1.7764e-15	-2.4983e+01	5.6843e-13	-3.8396e+03
495	299	6.6613e-15	-4.6085e+00	-2.7756e-16	8.0396e+01	-5.6843e-14	-1.9651e+03
	315	-6.6613e-15	4.6085e+00	2.7756e-16	-8.0396e+01	7.8160e-14	-5.7877e+02
496	328	2.1316e-14	-4.1180e+01	7.1054e-15	-3.0530e+01	-5.6843e-13	-3.9762e+03
	310	-2.1316e-14	4.1180e+01	-7.1054e-15	3.0530e+01	-3.4106e-13	-4.0039e+03
497	332	2.1316e-14	-2.5476e+00	7.2164e-16	7.3524e+01	8.5265e-14	-9.9502e+02
	328	-2.1316e-14	2.5476e+00	-7.2164e-16	-7.3524e+01	1.1369e-13	-4.1124e+02
498	270	2.8422e-14	5.3158e+00	-8.8818e-15	-8.9040e+02	0.0000e+00	8.2989e+01
	323	-2.8422e-14	-5.3158e+00	8.8818e-15	8.9040e+02	0.0000e+00	9.4562e+02
499	306	0.0000e+00	-3.8578e-01	-2.7756e-16	1.4062e+02	-7.1054e-14	-2.4026e+02
	270	0.0000e+00	3.8578e-01	2.7756e-16	-1.4062e+02	1.2790e-13	2.7313e+01
500	287	5.6843e-14	-2.4212e+00	-2.2204e-15	-3.6350e+02	2.2737e-13	1.0360e+02
	329	-5.6843e-14	2.4212e+00	2.2204e-15	3.6350e+02	1.7053e-13	-5.7211e+02
501	333	-2.1316e-14	-6.0926e+00	-2.7756e-17	-1.6783e+02	-2.8422e-14	-2.8456e+03
	287	2.1316e-14	6.0926e+00	2.7756e-17	1.6783e+02	2.1316e-14	-5.1754e+02
502	301	2.1316e-14	2.7271e-01	-2.7756e-17	1.5935e+02	8.8818e-15	-1.4951e+03
	333	-2.1316e-14	-2.7271e-01	2.7756e-17	-1.5935e+02	-3.9080e-14	1.6366e+03
503	308	0.0000e+00	1.0515e+02	-8.8818e-16	8.3579e+01	-5.6843e-14	9.9958e+03

	301	0.0000e+00	-1.0515e+02	8.8818e-16	-8.3579e+01	-5.6843e-14	1.0381e+04
504	173	-2.6645e-14	-1.7479e+00	0.0000e+00	-8.6952e+02	-1.8474e-13	3.4421e+02
	83	2.6645e-14	1.7479e+00	0.0000e+00	8.6952e+02	-2.4158e-13	-8.8844e+02
505	350	-1.9540e-14	-1.6520e+01	1.6653e-15	-1.2533e+02	-2.8422e-14	-3.4292e+03
	173	1.9540e-14	1.6520e+01	-1.6653e-15	1.2533e+02	7.1054e-14	-1.7415e+03
506	174	0.0000e+00	6.7359e+00	8.8818e-16	-1.0633e+02	-3.4106e-13	1.2358e+03
	85	0.0000e+00	-6.7359e+00	-8.8818e-16	1.0633e+02	-1.1369e-13	8.6147e+02
507	453	4.2633e-14	-4.0853e+00	8.8818e-16	-2.7533e+03	4.5475e-13	6.1869e+02
	174	-4.2633e-14	4.0853e+00	-8.8818e-16	2.7533e+03	-3.4106e-13	-1.8974e+03
508	122	9.9476e-14	7.2937e+02	6.6613e-16	-3.2613e+02	2.8422e-13	3.8485e+04
	461	-9.9476e-14	7.2493e+02	-6.6613e-16	3.2613e+02	-1.1369e-13	-3.7763e+04
509	475	0.0000e+00	-8.1516e+00	0.0000e+00	-1.5555e+01	-1.4211e-14	-2.0775e+03
	471	0.0000e+00	8.1516e+00	0.0000e+00	1.5555e+01	1.4211e-14	-2.1083e+03
510	484	2.4869e-14	-8.1269e-01	0.0000e+00	-2.8189e+01	1.1369e-13	-3.0633e+01
	482	-2.4869e-14	8.1269e-01	0.0000e+00	2.8189e+01	2.2737e-13	-6.6440e+01
511	486	-2.1316e-14	-1.6857e-01	7.5894e-18	-1.8059e+01	1.7764e-15	-5.6561e+01
	484	2.1316e-14	1.6857e-01	-7.5894e-18	1.8059e+01	8.8818e-16	-3.8177e+01
512	161	2.8422e-14	-6.9030e+00	-3.5527e-15	-3.4643e+02	2.2737e-13	-7.2448e+01
	486	-2.8422e-14	6.9030e+00	3.5527e-15	3.4643e+02	0.0000e+00	-7.4556e+02
513	483	0.0000e+00	-1.9234e-01	5.5511e-17	-4.4855e+01	-1.4211e-14	-2.8029e+01
	470	0.0000e+00	1.9234e-01	-5.5511e-17	4.4855e+01	-3.5527e-14	-7.0738e+01
514	490	0.0000e+00	1.5529e+01	-3.5527e-15	9.3010e+01	0.0000e+00	1.0549e+03
	488	0.0000e+00	-1.5529e+01	3.5527e-15	-9.3010e+01	0.0000e+00	5.5235e+02
515	479	-1.4211e-14	-5.5594e-01	4.4409e-16	-6.0663e+01	2.8422e-14	-1.6032e+02
	478	1.4211e-14	5.5594e-01	-4.4409e-16	6.0663e+01	0.0000e+00	3.6071e+01
516	475	0.0000e+00	6.7609e-02	-4.4409e-16	5.5953e+01	-7.1054e-14	-6.7936e+01
	474	0.0000e+00	-6.7609e-02	4.4409e-16	-5.5953e+01	-1.4211e-14	8.3047e+01
517	483	-2.8422e-14	-4.7278e-01	-4.4409e-16	-3.4287e+01	-1.4211e-14	-1.2019e+02
	482	2.8422e-14	4.7278e-01	4.4409e-16	3.4287e+01	-8.5265e-14	1.4527e+01
518	488	0.0000e+00	-3.4368e-01	0.0000e+00	2.2888e+01	0.0000e+00	-2.9168e+02
	489	0.0000e+00	3.4368e-01	0.0000e+00	-2.2888e+01	5.6843e-14	2.1487e+02
519	497	-1.1369e-13	-5.1581e+01	2.2737e-13	-2.6881e+02	0.0000e+00	-4.3045e+02
	498	1.1369e-13	5.1581e+01	-2.2737e-13	2.6881e+02	9.0949e-13	-2.9902e+02
520	495	3.4106e-13	-3.9324e+01	2.2737e-13	2.0292e+02	4.5475e-13	-2.1643e+02
	499	-3.4106e-13	3.9324e+01	-2.2737e-13	-2.0292e+02	-4.5475e-13	-3.3970e+02
521	503	1.7764e-14	1.2782e-01	-5.5511e-17	-7.2539e+01	2.8422e-14	-6.4111e+01
	504	-1.7764e-14	-1.2782e-01	5.5511e-17	7.2539e+01	2.1316e-14	1.1294e+02
522	502	2.8422e-13	3.9624e+02	0.0000e+00	-9.8026e+02	9.0949e-13	2.0684e+03
	503	-2.8422e-13	-3.9624e+02	0.0000e+00	9.8026e+02	-9.0949e-13	6.3371e+03
523	501	2.8422e-14	-2.2256e+00	4.4409e-16	1.1231e+02	-1.2790e-13	1.6048e+02
	502	-2.8422e-14	2.2256e+00	-4.4409e-16	-1.1231e+02	-1.2790e-13	-5.3215e+02
524	500	-1.4211e-14	-2.3535e-02	-1.0061e-16	1.0363e-01	3.0198e-14	-1.2944e+01
	501	1.4211e-14	2.3535e-02	1.0061e-16	-1.0363e-01	1.0658e-14	6.5891e+00
525	492	-3.4106e-13	-1.2928e+02	5.6843e-14	8.4037e+02	4.5475e-13	-1.2870e+03
	500	3.4106e-13	1.2928e+02	-5.6843e-14	-8.4037e+02	4.5475e-13	-1.4556e+03
526	493	-8.8818e-15	-1.4597e-02	5.5511e-17	3.8667e+01	0.0000e+00	-2.2043e+01
	492	8.8818e-15	1.4597e-02	-5.5511e-17	-3.8667e+01	-7.1054e-15	1.6467e+01
527	489	-7.1054e-15	-5.1940e-01	2.7756e-17	1.4399e+02	-7.1054e-15	2.0850e+01
	161	7.1054e-15	5.1940e-01	-2.7756e-17	-1.4399e+02	-2.8422e-14	-2.7743e+02
528	167	-2.8422e-14	9.6917e-02	5.5511e-17	-1.8096e+02	1.0658e-14	4.9489e+01

	166	2.8422e-14	-9.6917e-02	-5.5511e-17	1.8096e+02	2.8422e-14	-2.7828e+01
529	129	6.0396e-14	1.2533e-01	-1.6098e-15	1.8557e+02	1.2790e-13	4.5900e+01
	128	-6.0396e-14	-1.2533e-01	1.6098e-15	-1.8557e+02	-2.1316e-14	-1.7889e+01
530	77	2.4869e-14	3.9071e-01	8.3267e-16	-1.7650e+02	3.5527e-14	8.0946e+01
	76	-2.4869e-14	-3.9071e-01	-8.3267e-16	1.7650e+02	7.1054e-15	6.3789e+00
531	82	3.9080e-14	1.1454e+00	-6.6613e-16	1.2753e+01	-8.1712e-14	2.1064e+02
	83	-3.9080e-14	-1.1454e+00	6.6613e-16	-1.2753e+01	-2.8422e-14	4.5361e+01
532	114	-1.2790e-13	-4.5257e+00	-8.8107e-13	1.3624e+02	2.4443e-12	-1.9557e+02
	107	1.2790e-13	4.5257e+00	8.8107e-13	-1.3624e+02	8.5265e-13	1.3157e+02
533	101	-2.5580e-13	-6.4007e+01	1.1369e-13	-6.3595e+01	1.2790e-12	-4.7655e+02
	108	2.5580e-13	6.4007e+01	-1.1369e-13	6.3595e+01	5.1159e-13	-4.2865e+02
534	119	1.0658e-14	-7.0865e-02	-2.8449e-16	1.1620e+02	8.8818e-16	4.7695e+00
	121	-1.0658e-14	7.0865e-02	2.8449e-16	-1.1620e+02	-7.1054e-15	-3.1840e+01
535	176	-7.1054e-14	2.4704e+01	-2.6290e-13	1.5033e+03	-1.7621e-12	-1.4165e+03
	119	7.1054e-14	-2.4704e+01	2.6290e-13	-1.5033e+03	-3.2401e-12	1.9405e+03
536	95	3.5527e-14	2.4704e+01	1.7764e-15	6.1403e+01	-1.8829e-13	2.0610e+03
	176	-3.5527e-14	-2.4704e+01	-1.7764e-15	-6.1403e+01	7.8160e-14	2.0646e+03
537	96	-4.6185e-14	-5.8953e-02	2.8406e-16	-4.3484e+00	-1.1280e-13	2.6451e+00
	95	4.6185e-14	5.8953e-02	-2.8406e-16	4.3484e+00	-3.5083e-14	-1.8562e+01
538	88	4.2633e-13	-8.7859e+01	7.1054e-15	7.2937e+02	9.0949e-13	-4.3930e+02
	96	-4.2633e-13	8.7859e+01	-7.1054e-15	-7.2937e+02	-6.8212e-13	-1.4245e+03
539	89	6.8834e-15	1.4514e-02	2.1511e-16	7.7460e+01	-6.6613e-14	3.2935e+00
	88	-6.8834e-15	-1.4514e-02	-2.1511e-16	-7.7460e+01	-1.6875e-14	2.2509e+00
540	170	-1.1369e-13	7.2477e-01	8.8818e-16	-1.3219e+03	8.5265e-14	1.7906e+02
	169	1.1369e-13	-7.2477e-01	-8.8818e-16	1.3219e+03	8.5265e-14	-1.7072e+01
541	163	2.8422e-14	3.5216e-01	6.6613e-16	1.3141e+03	-8.5265e-14	1.2993e+02
	162	-2.8422e-14	-3.5216e-01	-6.6613e-16	-1.3141e+03	-1.7053e-13	-5.1224e+01
542	79	-2.8422e-14	3.4189e-01	4.4409e-16	-3.4026e+03	-2.8422e-14	1.1966e+02
	78	2.8422e-14	-3.4189e-01	-4.4409e-16	3.4026e+03	2.8422e-14	-4.3244e+01
543	84	2.8422e-14	4.1757e+02	1.5543e-15	-2.2145e+02	0.0000e+00	1.5798e+04
	85	-2.8422e-14	4.1921e+02	-1.5543e-15	2.2145e+02	-2.8422e-14	-1.5982e+04
544	116	-7.3466e-01	-2.4787e+01	-2.1759e+00	-3.0348e+01	5.7403e+01	-2.5044e+02
	109	7.3466e-01	2.4787e+01	2.1759e+00	3.0348e+01	-2.6631e+01	-1.0010e+02
545	103	1.1956e+00	-3.7107e+01	-1.1222e+00	1.9178e+02	1.5893e+02	-1.3266e+02
	110	-1.1956e+00	3.7107e+01	1.1222e+00	-1.9178e+02	-1.4305e+02	-3.9211e+02
546	122	-2.1316e-14	-1.9792e-01	-2.2204e-16	-8.0428e+02	-7.1054e-15	4.4323e+01
	123	2.1316e-14	1.9792e-01	2.2204e-16	8.0428e+02	-1.1369e-13	-1.1993e+02
547	175	2.2737e-13	-1.6417e+01	7.3896e-13	-1.8131e+03	0.0000e+00	1.9528e+03
	122	-2.2737e-13	1.6417e+01	-7.3896e-13	1.8131e+03	6.8212e-12	-2.3011e+03
548	97	-9.9476e-14	-1.6417e+01	-2.6645e-15	9.8811e+01	-2.8422e-14	-7.8724e+01
	175	9.9476e-14	1.6417e+01	2.6645e-15	-9.8811e+01	3.1264e-13	-2.6629e+03
549	98	-6.3949e-14	-3.4463e-02	-7.4940e-16	-9.5893e+00	9.5923e-14	1.2585e+01
	97	6.3949e-14	3.4463e-02	7.4940e-16	9.5893e+00	-9.9476e-14	-2.1890e+01
550	90	5.6843e-13	-1.1209e+02	-2.8422e-13	2.5779e+03	1.3642e-12	8.8415e+02
	98	-5.6843e-13	1.1209e+02	2.8422e-13	-2.5779e+03	4.5475e-13	-3.2618e+03
551	92	1.7764e-15	-3.8816e-02	1.1102e-16	2.4200e+02	-2.1316e-14	5.1481e+00
	90	-1.7764e-15	3.8816e-02	-1.1102e-16	-2.4200e+02	7.1054e-14	-1.9976e+01
552	429	1.5388e-13	1.1299e+03	8.8818e-16	1.5071e+03	-5.6843e-14	5.5610e+04
	442	-1.5388e-13	9.5671e+02	-8.8818e-16	-1.5071e+03	-5.6843e-14	-2.8339e+04
553	435	-8.8818e-16	1.0093e+03	-4.4409e-16	8.9097e+03	1.9895e-13	4.4440e+04

	429	8.8818e-16	1.0971e+03	4.4409e-16	-8.9097e+03	-8.5265e-14	-5.8409e+04
554	458	-1.1635e-13	4.1430e+02	4.4409e-16	2.5563e+03	-5.6843e-14	2.2037e+04
	435	1.1635e-13	4.8056e+02	-4.4409e-16	-2.5563e+03	4.2633e-14	-3.2572e+04
555	467	-8.3933e-14	4.9544e+02	-1.1102e-16	-1.0576e+03	6.3949e-14	3.6452e+04
	458	8.3933e-14	3.9942e+02	1.1102e-16	1.0576e+03	-9.5923e-14	-2.1185e+04
556	449	-8.0158e-14	1.1330e+03	-8.8818e-16	-9.5763e+03	-5.3291e-14	6.3987e+04
	467	8.0158e-14	1.0198e+03	8.8818e-16	9.5763e+03	7.8160e-14	-4.5584e+04
557	447	9.2593e-14	9.5385e+02	2.2204e-16	-1.5292e+03	9.9476e-14	3.3977e+04
	449	-9.2593e-14	1.1559e+03	-2.2204e-16	1.5292e+03	0.0000e+00	-6.6152e+04
558	445	1.6809e-13	5.3343e+02	-6.6613e-16	4.1597e+03	1.1369e-13	4.0333e+04
	447	-1.6809e-13	3.4735e+02	6.6613e-16	-4.1597e+03	2.8422e-14	-1.1213e+04
559	456	9.8144e-14	3.3613e+02	-4.4409e-16	-9.1287e+03	-3.4106e-13	3.4979e+03
	445	-9.8144e-14	5.3948e+02	4.4409e-16	9.1287e+03	-3.4106e-13	-3.5136e+04
560	452	-5.6843e-14	7.3075e+02	-8.8818e-16	3.6318e+03	-5.6843e-14	3.7564e+04
	453	5.6843e-14	6.9294e+02	8.8818e-16	-3.6318e+03	-5.6843e-14	-3.1542e+04
561	90	1.1369e-13	2.7481e+02	-7.1054e-15	-9.3322e+02	-2.2737e-13	1.2317e+04
	452	-1.1369e-13	2.0262e+02	7.1054e-15	9.3322e+02	-1.1369e-13	-6.1934e+03
562	424	5.6843e-14	7.2464e+02	-8.8818e-16	7.9026e+02	2.2737e-13	3.7583e+04
	169	-5.6843e-14	7.0733e+02	8.8818e-16	-7.9026e+02	-3.4106e-13	-3.4811e+04
563	461	-7.1054e-14	7.1166e+02	0.0000e+00	-9.4893e+02	2.2737e-13	3.7871e+04
	424	7.1054e-14	7.0980e+02	0.0000e+00	9.4893e+02	-1.7053e-13	-3.7574e+04
572	420	4.2633e-14	7.2672e+02	-1.7764e-15	-1.2190e+03	0.0000e+00	3.8027e+04
	162	-4.2633e-14	7.0525e+02	1.7764e-15	1.2190e+03	-2.2737e-13	-3.4588e+04
573	436	-2.8422e-14	6.8731e+02	5.3291e-15	-4.6212e+03	1.1369e-13	3.2390e+04
	420	2.8422e-14	7.3415e+02	-5.3291e-15	4.6212e+03	-2.2737e-13	-3.9838e+04
574	431	-5.6843e-14	-2.7968e+01	-2.2204e-15	4.8262e+02	-3.4106e-13	-2.9618e+03
	436	5.6843e-14	2.7968e+01	2.2204e-15	-4.8262e+02	-3.4106e-13	-5.9320e+03
575	440	-8.5265e-14	2.8407e+01	-1.2212e-15	-5.3688e+02	8.5265e-14	6.0419e+03
	431	8.5265e-14	-2.8407e+01	1.2212e-15	5.3688e+02	-3.9790e-13	2.9916e+03
576	422	2.8422e-14	7.6174e+02	0.0000e+00	4.1386e+03	-7.8160e-14	4.4409e+04
	440	-2.8422e-14	6.9101e+02	0.0000e+00	-4.1386e+03	2.8422e-14	-3.2915e+04
577	416	-9.9476e-14	6.0894e+02	-8.8818e-16	-7.1787e+03	5.6843e-14	2.6056e+04
	422	9.9476e-14	8.1475e+02	8.8818e-16	7.1787e+03	-3.4106e-13	-5.8831e+04
578	426	-1.4211e-14	5.2806e+02	-4.4409e-16	-8.0381e+03	-5.6843e-14	-2.5286e+02
	416	1.4211e-14	8.7105e+02	4.4409e-16	8.0381e+03	1.1369e-13	-5.3426e+04
579	78	5.6843e-14	1.0128e+03	0.0000e+00	1.7314e+04	3.4106e-13	8.4785e+04
	426	-5.6843e-14	3.7896e+02	0.0000e+00	-1.7314e+04	2.2737e-13	1.3896e+04
588	174	-2.8422e-14	-1.2327e+01	2.2204e-16	6.1167e+01	-9.9476e-14	-2.1354e+03
	445	2.8422e-14	1.2327e+01	-2.2204e-16	-6.1167e+01	-9.9476e-14	-4.2624e+03
589	432	-5.6843e-14	-1.5060e+00	1.7764e-15	7.1904e+02	-3.4106e-13	2.7979e+02
	174	5.6843e-14	1.5060e+00	-1.7764e-15	-7.1904e+02	4.5475e-13	-5.7121e+02
590	439	1.5632e-13	2.3348e+02	6.2172e-15	2.5665e+03	0.0000e+00	3.0365e+02
	122	-1.5632e-13	3.1279e+02	-6.2172e-15	-2.5665e+03	-2.8422e-13	-7.3872e+03
591	115	1.2790e-13	2.7712e+01	1.9540e-14	-1.6091e+02	9.0949e-13	1.8638e+03
	123	-1.2790e-13	-2.7712e+01	-1.9540e-14	1.6091e+02	9.6634e-13	2.2339e+03
592	104	-4.2633e-14	-5.4244e+00	5.7732e-15	1.2461e+02	8.5265e-14	1.3426e+01
	115	4.2633e-14	5.4244e+00	-5.7732e-15	-1.2461e+02	-6.5370e-13	-9.5185e+02
593	92	-2.1316e-14	1.3572e+01	-3.3085e-14	-3.2165e+01	-1.6911e-12	6.6579e+02
	104	2.1316e-14	-1.3572e+01	3.3085e-14	3.2165e+01	1.7053e-13	1.3411e+03
594	104	4.2633e-14	4.3983e+01	-7.1054e-15	-2.7105e+03	-1.8474e-13	1.3268e+04

	467	-4.2633e-14	-4.3983e+01	7.1054e-15	2.7105e+03	-2.5580e-13	-5.8682e+03
595	123	0.0000e+00	-1.5440e+01	-1.8208e-14	-7.3939e+02	-5.6843e-14	1.0418e+04
	458	0.0000e+00	1.5440e+01	1.8208e-14	7.3939e+02	-1.3358e-12	-1.2768e+04
596	424	2.8422e-14	-3.7001e+00	-7.7716e-16	-9.4883e+01	-5.6843e-14	-8.8283e+02
	429	-2.8422e-14	3.7001e+00	7.7716e-16	9.4883e+01	-1.8474e-13	-1.0375e+03
598	461	3.5527e-14	-2.5934e+01	-1.6653e-16	6.4628e+02	-2.8422e-14	-3.9853e+03
	435	-3.5527e-14	2.5934e+01	1.6653e-16	-6.4628e+02	8.5265e-14	-9.4742e+03
599	459	1.1369e-13	5.6809e+01	-7.1054e-15	1.1370e+02	-6.8212e-13	4.4836e+03
	461	-1.1369e-13	-5.6809e+01	7.1054e-15	-1.1370e+02	4.5475e-13	6.5089e+03
600	452	-2.4869e-14	3.4354e+00	-1.1102e-16	1.3886e+03	-1.0658e-13	1.6809e+03
	449	2.4869e-14	-3.4354e+00	1.1102e-16	-1.3886e+03	-9.9476e-14	1.0202e+02
601	423	8.5265e-14	3.0670e+02	1.7764e-15	-2.1875e+03	5.6843e-13	8.1856e+03
	452	-8.5265e-14	2.8503e+02	-1.7764e-15	2.1875e+03	4.5475e-13	-6.0893e+03
602	456	-5.6843e-14	3.6272e+01	8.3267e-17	4.6553e+03	3.1974e-14	1.4965e+04
	78	5.6843e-14	-3.6272e+01	-8.3267e-17	-4.6553e+03	4.9738e-14	4.8755e+03
603	85	5.6843e-14	1.0028e+03	9.7145e-17	1.4560e+03	5.6843e-14	8.8269e+04
	456	-5.6843e-14	8.4676e+02	-9.7145e-17	-1.4560e+03	1.4211e-14	-4.9732e+04
604	442	-5.6843e-14	-2.2322e+01	-1.1102e-16	4.4589e+02	7.1054e-15	-7.0440e+03
	162	5.6843e-14	2.2322e+01	1.1102e-16	-4.4589e+02	-3.0198e-14	-4.9435e+03
605	169	2.8422e-14	2.9595e+01	4.1633e-17	-4.0344e+02	-8.1712e-14	7.9530e+03
	442	-2.8422e-14	-2.9595e+01	-4.1633e-17	4.0344e+02	-2.1316e-14	6.9635e+03
606	420	-3.9790e-13	-3.0328e+01	0.0000e+00	3.5033e+02	2.2737e-13	-1.7264e+03
	419	3.9790e-13	3.0328e+01	0.0000e+00	-3.5033e+02	4.5475e-13	-4.1420e+03
607	429	4.2633e-14	-2.4806e+00	-1.3878e-16	1.9209e+01	1.7053e-13	-1.7469e+03
	420	-4.2633e-14	2.4806e+00	1.3878e-16	-1.9209e+01	1.4921e-13	3.7759e+02
608	436	1.1369e-13	8.8185e+01	-5.3291e-15	-3.0203e+03	-1.1369e-12	1.5641e+04
	443	-1.1369e-13	-8.8185e+01	5.3291e-15	3.0203e+03	-1.1369e-13	1.4224e+03
609	435	7.1054e-15	5.2023e+02	-4.1633e-16	7.0489e+02	-2.8422e-14	4.1699e+04
	436	-7.1054e-15	5.3299e+02	4.1633e-16	-7.0489e+02	-4.9738e-14	-4.5221e+04
610	431	7.1054e-14	3.1455e+02	-5.3291e-15	3.0204e+01	-1.1369e-13	6.4584e+04
	417	-7.1054e-14	-3.1455e+02	5.3291e-15	-3.0204e+01	-2.2737e-13	-3.7194e+03
611	458	5.6843e-14	9.7578e+02	2.7756e-17	-6.4291e+01	1.7764e-14	4.4069e+04
	431	-5.6843e-14	1.1306e+03	-2.7756e-17	6.4291e+01	-3.5527e-15	-8.6811e+04
612	440	3.2863e-14	9.4836e+01	7.1054e-15	3.0435e+03	0.0000e+00	1.6092e+04
	438	-3.2863e-14	-9.4836e+01	-7.1054e-15	-3.0435e+03	1.2506e-12	2.2587e+03
613	467	0.0000e+00	5.1687e+02	2.4980e-16	-5.9530e+02	-5.6843e-14	4.0392e+04
	440	0.0000e+00	5.3634e+02	-2.4980e-16	5.9530e+02	6.3949e-14	-4.5766e+04
614	422	-1.7053e-13	2.1370e+01	-1.7764e-15	1.6802e+03	4.5475e-13	1.6259e+03
	448	1.7053e-13	-2.1370e+01	1.7764e-15	-1.6802e+03	-3.4106e-13	2.5152e+03
615	449	-5.3291e-14	-2.3400e+00	-1.1102e-16	-5.2739e+02	2.8422e-14	-2.0295e+03
	422	5.3291e-14	2.3400e+00	1.1102e-16	5.2739e+02	-7.8160e-14	7.3785e+02
616	426	8.5265e-14	-7.6858e+02	-1.7764e-15	-9.4195e+03	-2.2737e-13	-7.2042e+04
	433	-8.5265e-14	7.6858e+02	1.7764e-15	9.4195e+03	2.2737e-13	-7.6677e+04
617	445	-1.4211e-14	1.3844e+02	-4.4409e-16	3.3732e+03	1.4211e-14	3.0378e+04
	426	1.4211e-14	-1.3844e+02	4.4409e-16	-3.3732e+03	-1.4921e-13	4.6041e+04
618	416	8.5265e-14	-1.0642e+03	0.0000e+00	1.8668e+04	-4.5475e-13	-1.3592e+05
	434	-8.5265e-14	1.0642e+03	0.0000e+00	-1.8668e+04	-5.6843e-14	-7.0012e+04
619	447	4.9738e-14	4.1576e+02	-1.3878e-17	-8.7010e+03	-3.5527e-15	9.2726e+04
	416	-4.9738e-14	-4.1576e+02	1.3878e-17	8.7010e+03	-2.1316e-14	1.3678e+05
620	453	-1.4211e-14	8.9809e+02	-1.1102e-16	-1.0236e+03	-1.7764e-14	5.8607e+04

	447	1.4211e-14	1.0450e+03	1.1102e-16	1.0236e+03	1.4211e-14	-9.6743e+04
621	468	-2.8422e-14	2.2235e+02	8.8818e-16	4.3117e+03	1.1369e-13	9.9354e+03
	453	2.8422e-14	5.0318e+02	-8.8818e-16	-4.3117e+03	1.7053e-13	-3.7145e+04
622	364	-3.5527e-15	-9.3689e+01	-1.6653e-16	-5.7313e+02	-5.6843e-14	-1.3742e+04
	363	3.5527e-15	9.3689e+01	1.6653e-16	5.7313e+02	9.2371e-14	-1.5770e+04
623	382	-6.1506e-14	2.7033e+01	-1.3878e-16	-1.2021e+03	-1.1369e-13	2.8164e+03
	364	6.1506e-14	-2.7033e+01	1.3878e-16	1.2021e+03	-2.4869e-14	5.7800e+03
624	339	-2.0539e-14	3.6732e+01	3.6082e-16	1.7720e+03	-6.3949e-14	5.7315e+03
	382	2.0539e-14	-3.6732e+01	-3.6082e-16	-1.7720e+03	4.0856e-14	5.9492e+03
625	334	4.0301e-14	-2.0357e+01	-1.8735e-16	4.3031e+02	6.2172e-15	-2.2989e+03
	339	-4.0301e-14	2.0357e+01	1.8735e-16	-4.3031e+02	7.3719e-14	-4.1747e+03
626	378	-1.8763e-14	-2.7911e+01	-2.7062e-16	-8.0254e+02	-8.8818e-15	-4.3386e+03
	334	1.8763e-14	2.7911e+01	2.7062e-16	8.0254e+02	-9.0594e-14	-4.7324e+03
627	384	4.8295e-14	-2.4770e+01	2.3592e-16	-3.4881e+02	5.1514e-14	-5.5215e+03
	378	-4.8295e-14	2.4770e+01	-2.3592e-16	3.4881e+02	-8.5265e-14	-2.3676e+03
628	362	5.5067e-14	1.1450e+02	-5.2736e-16	-3.1426e+02	-1.7764e-14	1.6716e+04
	384	-5.5067e-14	-1.1450e+02	5.2736e-16	3.1426e+02	-1.1013e-13	1.9123e+04
629	347	9.8616e-14	1.3783e+01	-1.6653e-16	1.4307e+03	2.8422e-14	4.2627e+03
	362	-9.8616e-14	-1.3783e+01	1.6653e-16	-1.4307e+03	-7.8160e-14	2.6147e+01
630	338	-1.9540e-14	1.3019e+01	1.4988e-15	4.1785e+02	1.5632e-13	2.3910e+03
	350	1.9540e-14	-1.3019e+01	-1.4988e-15	-4.1785e+02	1.6342e-13	1.7555e+03
631	88	8.8818e-14	1.1847e+02	3.4417e-15	1.0167e+03	7.1054e-14	9.8445e+03
	338	-8.8818e-14	-1.1847e+02	-3.4417e-15	-1.0167e+03	8.6686e-13	1.0256e+04
632	356	-6.2172e-14	-2.2926e+01	1.8874e-15	3.7503e+02	-4.2633e-14	-3.3466e+03
	166	6.2172e-14	2.2926e+01	-1.8874e-15	-3.7503e+02	6.5370e-13	-3.9979e+03
633	348	5.3291e-15	1.6222e+00	-1.5543e-15	1.6558e+02	-9.9476e-14	6.5208e+01
	356	-5.3291e-15	-1.6222e+00	1.5543e-15	-1.6558e+02	-1.8474e-13	4.5065e+02
634	119	-2.3093e-14	2.3117e+01	-6.6613e-16	-4.7664e+02	-1.4921e-13	4.0755e+03
	348	2.3093e-14	-2.3117e+01	6.6613e-16	4.7664e+02	-1.8474e-13	3.4456e+03
643	381	-3.0198e-14	-2.3103e+01	-1.2212e-15	-1.5637e+02	1.8474e-13	-3.4135e+03
	128	3.0198e-14	2.3103e+01	1.2212e-15	1.5637e+02	-1.4211e-13	-3.9876e+03
644	376	5.5067e-14	8.5894e+00	-1.6653e-15	5.8209e+02	-1.8474e-13	1.5732e+03
	381	-5.5067e-14	-8.5894e+00	1.6653e-15	-5.8209e+02	2.8422e-14	1.1582e+03
645	373	4.4409e-14	5.1670e+00	3.3307e-16	-3.3545e+02	1.6342e-13	5.5975e+02
	376	-4.4409e-14	-5.1670e+00	-3.3307e-16	3.3545e+02	-1.7053e-13	1.0834e+03
646	361	1.7764e-15	-4.4717e+00	-6.3838e-16	2.6628e+02	-7.1054e-15	-9.6221e+02
	373	-1.7764e-15	4.4717e+00	6.3838e-16	-2.6628e+02	-7.1054e-14	-4.5978e+02
647	375	-4.6185e-14	-1.2286e+01	1.1241e-15	-5.8664e+02	1.4033e-13	-1.9126e+03
	361	4.6185e-14	1.2286e+01	-1.1241e-15	5.8664e+02	1.4211e-14	-2.0802e+03
648	369	-4.6185e-14	6.0448e+00	-9.9920e-16	1.4846e+02	2.1316e-13	7.4735e+02
	375	4.6185e-14	-6.0448e+00	9.9920e-16	-1.4846e+02	-1.7764e-13	1.1779e+03
649	388	3.3751e-14	5.3886e+00	9.9920e-16	4.4909e+02	1.5632e-13	8.9630e+02
	369	-3.3751e-14	-5.3886e+00	-9.9920e-16	-4.4909e+02	1.1369e-13	7.9033e+02
650	76	1.0303e-13	3.3447e+00	-1.6653e-15	-1.9663e+02	-1.1369e-13	1.5060e+03
	388	-1.0303e-13	-3.3447e+00	1.6653e-15	1.9663e+02	1.7053e-13	-4.6456e+02
659	173	-7.1054e-15	1.3433e+00	5.6205e-16	-1.7757e+02	-1.7764e-14	-2.2592e+02
	362	7.1054e-15	-1.3433e+00	-5.6205e-16	1.7757e+02	-6.7502e-14	9.2307e+02
660	353	-6.3949e-14	1.6115e+01	-4.2188e-15	1.1782e+03	-3.9790e-13	2.1657e+03
	173	6.3949e-14	-1.6115e+01	4.2188e-15	-1.1782e+03	-2.5580e-13	9.5251e+02
661	355	2.4869e-14	-1.1289e+01	-2.1094e-15	-9.6233e+02	-2.8422e-13	-3.4230e+02

	119	-2.4869e-14	1.1289e+01	2.1094e-15	9.6233e+02	-9.9476e-14	-1.6744e+03
662	113	1.3323e-13	3.7257e+01	0.0000e+00	-9.6225e+01	3.9790e-13	2.4951e+03
	121	-1.3323e-13	-3.7257e+01	0.0000e+00	9.6225e+01	-4.2633e-13	3.0141e+03
663	102	-2.3093e-14	-1.1609e+01	2.9698e-15	1.2883e+02	-1.8474e-13	-8.8618e+02
	113	2.3093e-14	1.1609e+01	-2.9698e-15	-1.2883e+02	-3.0909e-13	-1.1222e+03
664	89	8.5265e-14	4.6417e+00	6.8279e-15	-1.4625e+02	8.8463e-13	3.3807e+02
	102	-8.5265e-14	-4.6417e+00	-6.8279e-15	1.4625e+02	7.2120e-13	3.4829e+02
665	102	-1.6959e-14	2.3453e+02	-3.7192e-15	-2.8855e+02	-3.8014e-13	2.0022e+04
	334	1.6959e-14	-2.3453e+02	3.7192e-15	2.8855e+02	-4.4764e-13	1.9435e+04
666	121	1.2434e-14	2.6944e+02	-4.0523e-15	3.2186e+02	-9.8055e-13	2.0569e+04
	339	-1.2434e-14	-2.6944e+02	4.0523e-15	-3.2186e+02	-5.6133e-13	2.0429e+04
667	356	-2.1316e-14	5.5732e+00	-2.8449e-16	-8.6881e+01	-1.3856e-13	1.1772e+03
	364	2.1316e-14	-5.5732e+00	2.8449e-16	8.6881e+01	-1.4566e-13	1.7153e+03
668	367	9.2371e-14	5.0205e+01	-5.1070e-15	-3.9417e+00	8.5265e-14	4.8702e+03
	356	-9.2371e-14	-5.0205e+01	5.1070e-15	3.9417e+00	7.1054e-13	4.8445e+03
669	348	2.6645e-14	7.5569e+00	-1.1102e-16	-2.0414e+01	6.2172e-14	1.3392e+03
	382	-2.6645e-14	-7.5569e+00	1.1102e-16	2.0414e+01	1.7764e-14	2.5829e+03
670	349	-3.1974e-14	4.4385e+01	-8.6597e-15	3.8611e+01	-4.5475e-13	4.5281e+03
	348	3.1974e-14	-4.4385e+01	8.6597e-15	-3.8611e+01	2.8422e-14	4.0604e+03
671	338	-3.5527e-15	7.5678e+00	-3.4694e-16	-1.9649e+02	-1.0125e-13	1.6012e+03
	378	3.5527e-15	-7.5678e+00	3.4694e-16	1.9649e+02	-2.0606e-13	2.3265e+03
672	368	8.7041e-14	2.8218e+01	3.9968e-15	3.0890e+02	-5.6843e-13	3.2982e+03
	338	-8.7041e-14	-2.8218e+01	-3.9968e-15	-3.0890e+02	-8.5265e-13	2.1620e+03
673	347	-1.7764e-14	-2.8775e+01	-1.9082e-17	-8.3486e+02	-7.9936e-15	-8.3737e+03
	76	1.7764e-14	2.8775e+01	1.9082e-17	8.3486e+02	2.2427e-14	-7.3663e+03
674	83	2.8422e-14	9.8749e+00	1.3878e-17	9.3399e+01	6.6613e-15	3.0956e+03
	347	-2.8422e-14	-9.8749e+00	-1.3878e-17	-9.3399e+01	-1.5099e-14	1.7826e+03
675	363	-9.9476e-14	-2.0212e+01	1.7347e-17	3.9000e+02	2.9310e-14	-5.7073e+03
	128	9.9476e-14	2.0212e+01	-1.7347e-17	-3.9000e+02	3.7748e-15	-5.1471e+03
676	166	-5.3291e-14	3.2491e+01	-7.6328e-17	-3.7898e+02	-3.6859e-14	8.4610e+03
	363	5.3291e-14	-3.2491e+01	7.6328e-17	3.7898e+02	-6.2172e-15	7.9151e+03
677	381	7.8160e-14	-5.2305e+01	2.2204e-16	4.8811e+00	8.5265e-14	-5.4472e+03
	380	-7.8160e-14	5.2305e+01	-2.2204e-16	-4.8811e+00	5.6843e-14	-4.6738e+03
678	364	-1.4211e-14	-1.5377e+00	2.3592e-16	1.4760e+02	-1.0125e-13	-3.8614e+02
	381	1.4211e-14	1.5377e+00	-2.3592e-16	-1.4760e+02	9.5035e-14	-4.6267e+02
679	376	-2.1316e-14	-6.9812e+01	-3.7748e-15	7.6073e+02	1.1369e-13	-8.0730e+03
	370	2.1316e-14	6.9812e+01	3.7748e-15	-7.6073e+02	8.5265e-14	-5.4356e+03
680	382	-4.0856e-14	-1.0999e+00	-1.2490e-15	-3.6227e+02	-3.4817e-13	3.9482e+02
	376	4.0856e-14	1.0999e+00	1.2490e-15	3.6227e+02	-4.1389e-13	-1.0020e+03
681	373	-9.4147e-14	-8.0899e+01	8.8818e-16	1.0083e+01	-3.6948e-13	-8.8144e+03
	383	9.4147e-14	8.0899e+01	-8.8818e-16	-1.0083e+01	8.5265e-14	-6.8395e+03
682	339	-1.3323e-14	-1.3840e+01	-1.3878e-17	-9.1766e+01	-1.2879e-14	-3.8584e+03
	373	1.3323e-14	1.3840e+01	1.3878e-17	9.1766e+01	-5.1070e-15	-3.7811e+03
683	361	2.5396e-14	-7.2438e+01	5.1070e-15	-6.4934e+02	-1.1369e-13	-8.1649e+03
	371	-2.5396e-14	7.2438e+01	-5.1070e-15	6.4934e+02	1.1369e-13	-5.8519e+03
684	334	2.4619e-14	-7.0181e+00	-7.2858e-16	4.0527e+02	-2.0606e-13	-1.9462e+03
	361	-2.4619e-14	7.0181e+00	7.2858e-16	-4.0527e+02	-2.4158e-13	-1.9278e+03
685	375	-6.2172e-14	-7.8830e+01	2.6645e-15	-6.2127e+02	-5.1159e-13	-7.3983e+03
	354	6.2172e-14	7.8830e+01	-2.6645e-15	6.2127e+02	-7.9581e-13	-7.8778e+03
686	378	-1.9540e-14	-2.2193e+00	2.7756e-17	3.4558e+02	1.5632e-13	-6.6555e+02

	375	1.9540e-14	2.2193e+00	-2.7756e-17	-3.4558e+02	-3.9080e-14	-5.5953e+02
687	388	-4.9738e-14	-7.6442e+00	-1.7764e-14	-4.6184e+02	-1.7053e-13	2.6524e+03
	386	4.9738e-14	7.6442e+00	1.7764e-14	4.6184e+02	-6.8212e-13	-4.1315e+03
688	362	-3.0198e-14	-5.6003e+00	-1.2351e-15	-2.0083e+01	1.5987e-13	-1.1069e+03
	388	3.0198e-14	5.6003e+00	1.2351e-15	2.0083e+01	3.6415e-13	-1.9845e+03
689	369	8.1712e-14	-3.1574e+01	1.5543e-15	-1.2077e+03	1.8474e-13	8.8118e+03
	385	-8.1712e-14	3.1574e+01	-1.5543e-15	1.2077e+03	1.7764e-13	-1.4921e+04
690	384	3.9080e-14	-3.0917e+01	-3.8164e-17	3.2996e+02	-3.4195e-14	-7.9540e+03
	369	-3.9080e-14	3.0917e+01	3.8164e-17	-3.2996e+02	-8.8818e-15	-9.1124e+03
691	350	5.5067e-14	1.0371e+01	-5.5511e-17	6.3507e+02	9.3259e-15	-4.8034e+02
	384	-5.5067e-14	-1.0371e+01	5.5511e-17	-6.3507e+02	-3.0198e-14	5.8631e+03
692	352	-8.5265e-14	1.6437e+02	-1.3323e-15	-9.2222e+02	-7.1054e-14	1.5109e+04
	350	8.5265e-14	-1.6437e+02	1.3323e-15	9.2222e+02	-5.6843e-14	1.6743e+04
693	172	-1.4211e-14	7.1545e+00	-2.2204e-16	-7.9056e+01	0.0000e+00	1.9135e+03
	141	1.4211e-14	-7.1545e+00	2.2204e-16	7.9056e+01	5.6843e-14	1.7997e+03
694	130	2.8422e-14	-2.9625e+01	3.5527e-15	1.2405e+02	0.0000e+00	-2.8074e+03
	172	-2.8422e-14	2.9625e+01	-3.5527e-15	-1.2405e+02	0.0000e+00	-2.9250e+03
695	171	7.0623e+01	8.6790e+00	4.6857e+00	1.5614e+01	-8.6196e+02	1.5545e+03
	172	-7.0623e+01	-8.6790e+00	-4.6857e+00	-1.5614e+01	-6.8431e+02	1.3095e+03
696	134	1.4211e-14	4.1319e+00	0.0000e+00	4.1352e+02	4.5475e-13	1.9146e+02
	503	-1.4211e-14	-4.1319e+00	0.0000e+00	-4.1352e+02	4.5475e-13	5.4665e+02
697	496	-1.4211e-14	1.8687e+01	-8.8818e-16	1.0069e+02	1.4211e-13	1.2610e+03
	504	1.4211e-14	-1.8687e+01	8.8818e-16	-1.0069e+02	2.5580e-13	1.5022e+03
698	494	-7.1054e-15	-4.3835e+00	-1.6098e-15	2.8979e+01	3.5527e-14	-1.9337e+02
	496	7.1054e-15	4.3835e+00	1.6098e-15	-2.8979e+01	2.1316e-14	-5.6497e+02
699	493	-5.6843e-14	-1.3206e+00	1.6653e-15	-6.2333e+01	2.3981e-13	-1.3467e+02
	494	5.6843e-14	1.3206e+00	-1.6653e-15	6.2333e+01	2.7001e-13	-6.0608e+01
700	494	2.6645e-14	5.5567e+01	1.3323e-15	-4.9142e+01	2.8422e-14	5.0109e+03
	144	-2.6645e-14	-5.5567e+01	-1.3323e-15	4.9142e+01	2.8422e-14	4.3377e+03
701	504	-2.8422e-14	5.2913e+01	8.8818e-16	-1.0107e+02	-2.8422e-14	4.4950e+03
	145	2.8422e-14	-5.2913e+01	-8.8818e-16	1.0107e+02	1.1369e-13	3.5563e+03
702	137	0.0000e+00	2.7516e+00	-4.4409e-16	-3.4572e+01	1.4211e-13	5.5218e+02
	147	0.0000e+00	-2.7516e+00	4.4409e-16	3.4572e+01	1.1369e-13	8.7588e+02
703	136	-2.8422e-14	1.5023e+01	-3.5527e-15	-6.4238e+01	0.0000e+00	1.1318e+03
	137	2.8422e-14	-1.5023e+01	3.5527e-15	6.4238e+01	-2.2737e-13	1.7751e+03
704	138	0.0000e+00	2.3482e+00	0.0000e+00	1.1047e+01	-1.1369e-13	4.6392e+02
	146	0.0000e+00	-2.3482e+00	0.0000e+00	-1.1047e+01	-5.6843e-14	7.5482e+02
705	135	-2.8422e-14	1.4606e+01	-3.5527e-15	1.8466e+01	-4.5475e-13	1.1158e+03
	138	2.8422e-14	-1.4606e+01	3.5527e-15	-1.8466e+01	-4.5475e-13	1.7104e+03
706	140	-7.1054e-15	4.5529e+00	0.0000e+00	6.0141e+00	1.4211e-13	1.1020e+03
	143	7.1054e-15	-4.5529e+00	0.0000e+00	-6.0141e+00	0.0000e+00	1.2609e+03
707	132	-2.8422e-14	6.2770e+00	3.5527e-15	-1.3532e+02	-2.2737e-13	4.4140e+02
	140	2.8422e-14	-6.2770e+00	-3.5527e-15	1.3532e+02	2.2737e-13	7.7321e+02
708	161	-7.1054e-15	-1.5789e+00	-2.3202e-17	-1.1495e+02	1.9540e-14	-5.2028e+02
	482	7.1054e-15	1.5789e+00	2.3202e-17	1.1495e+02	2.0428e-14	-3.4339e+02
709	579	-1.1369e-13	3.3962e+01	-1.0658e-14	3.9382e+02	5.6843e-13	1.6863e+03
	161	1.1369e-13	-3.3962e+01	1.0658e-14	-3.9382e+02	3.4106e-13	9.3251e+02
710	25	0.0000e+00	1.2379e+02	0.0000e+00	-1.6276e+02	-4.5475e-13	5.7315e+03
	479	0.0000e+00	-1.2379e+02	0.0000e+00	1.6276e+02	-4.5475e-13	7.0811e+03
711	148	1.4211e-14	-1.6124e+00	-1.5613e-17	-2.6978e-01	2.3093e-14	-3.9669e+02

	474	-1.4211e-14	1.6124e+00	1.5613e-17	2.6978e-01	8.8818e-15	-4.6920e+02
712	478	1.4211e-14	2.5528e+00	-2.7756e-17	-2.2908e+00	-7.1054e-15	6.3946e+02
	148	-1.4211e-14	-2.5528e+00	2.7756e-17	2.2908e+00	0.0000e+00	6.4721e+02
713	156	-5.6843e-14	-2.5859e+01	5.3291e-15	8.3513e+01	6.8212e-13	-2.6274e+03
	160	5.6843e-14	2.5859e+01	-5.3291e-15	-8.3513e+01	2.2737e-13	-2.3764e+03
714	147	0.0000e+00	-9.8663e-01	-3.7123e-16	-2.2188e+01	1.4211e-14	-4.7718e+02
	156	0.0000e+00	9.8663e-01	3.7123e-16	2.2188e+01	1.2079e-13	-6.7435e+01
715	155	-2.8422e-14	-2.9997e+01	3.5527e-15	-7.9606e+00	9.0949e-13	-2.9382e+03
	159	2.8422e-14	2.9997e+01	-3.5527e-15	7.9606e+00	9.0949e-13	-2.8663e+03
716	146	0.0000e+00	-9.1405e-01	-5.7593e-16	-1.2442e+01	-7.1054e-14	-5.0773e+02
	155	0.0000e+00	9.1405e-01	5.7593e-16	1.2442e+01	2.8422e-14	3.1736e+00
717	154	0.0000e+00	-3.8682e+01	0.0000e+00	-3.7407e+01	-2.2737e-13	-3.7378e+03
	158	0.0000e+00	3.8682e+01	0.0000e+00	3.7407e+01	9.0949e-13	-3.7472e+03
718	145	-1.4211e-14	-2.4367e-01	-2.8796e-16	-5.5894e+01	-2.8422e-14	-5.3304e+02
	154	1.4211e-14	2.4367e-01	2.8796e-16	5.5894e+01	-1.1369e-13	3.9853e+02
719	153	1.7764e-15	-3.1604e+01	-5.3291e-15	1.2477e+01	-9.0949e-13	-3.0240e+03
	157	-1.7764e-15	3.1604e+01	5.3291e-15	-1.2477e+01	-6.8212e-13	-3.0915e+03
720	144	-1.3767e-14	-7.6270e-01	6.0368e-16	3.7422e+01	-1.9895e-13	-6.7168e+02
	153	1.3767e-14	7.6270e-01	-6.0368e-16	-3.7422e+01	-2.8422e-14	2.5067e+02
721	151	2.8422e-14	-2.6623e+01	-1.4211e-14	-2.6616e+02	6.8212e-13	-2.5253e+03
	152	-2.8422e-14	2.6623e+01	1.4211e-14	2.6616e+02	-4.5475e-13	-2.6337e+03
722	143	3.5527e-15	-1.2685e+00	-4.5103e-16	9.5200e+01	1.4211e-14	-5.9369e+02
	151	-3.5527e-15	1.2685e+00	4.5103e-16	-9.5200e+01	0.0000e+00	-1.0652e+02
723	194	2.8422e-14	5.6310e+01	8.8818e-15	1.2307e+02	1.1369e-12	5.4283e+03
	149	-2.8422e-14	-5.6310e+01	-8.8818e-15	-1.2307e+02	1.1369e-12	5.4676e+03
724	141	-2.8422e-14	-7.5721e+00	-3.8858e-16	-4.4770e+01	-7.8160e-14	-1.8764e+03
	194	2.8422e-14	7.5721e+00	3.8858e-16	4.4770e+01	-7.1054e-15	-2.3034e+03
725	195	0.0000e+00	6.0842e+01	3.5527e-15	-3.5064e+02	2.2737e-13	5.9582e+03
	150	0.0000e+00	-6.0842e+01	-3.5527e-15	3.5064e+02	2.2737e-13	5.8147e+03
726	142	-7.1054e-15	-9.8004e+00	3.4694e-17	6.3459e+01	-1.9895e-13	-2.4277e+03
	195	7.1054e-15	9.8004e+00	-3.4694e-17	-6.3459e+01	-1.7053e-13	-2.9821e+03
727	139	-4.9738e-14	3.5864e+00	0.0000e+00	-2.5409e+01	1.9895e-13	6.7768e+02
	142	4.9738e-14	-3.5864e+00	0.0000e+00	2.5409e+01	5.6843e-14	1.1837e+03
728	131	0.0000e+00	1.6108e+01	0.0000e+00	8.9731e+01	-2.2737e-13	1.1995e+03
	139	0.0000e+00	-1.6108e+01	0.0000e+00	-8.9731e+01	-4.5475e-13	1.9219e+03
729	147	-1.4211e-14	-4.5656e+00	-4.4409e-16	2.0809e+01	1.1369e-13	-7.7696e+02
	148	1.4211e-14	4.5656e+00	4.4409e-16	-2.0809e+01	5.6843e-14	-6.6119e+02
730	146	2.8422e-14	2.7667e+00	4.4409e-16	1.6263e+01	-5.6843e-14	4.3195e+02
	147	-2.8422e-14	-2.7667e+00	-4.4409e-16	-1.6263e+01	0.0000e+00	4.4786e+02
731	145	1.0658e-14	1.0214e+01	4.4409e-16	2.6327e+02	0.0000e+00	1.6128e+03
	146	-1.0658e-14	-1.0214e+01	-4.4409e-16	-2.6327e+02	-8.5265e-14	1.6354e+03
732	144	-1.0658e-14	2.2171e-01	2.2204e-16	2.1398e+01	1.4211e-14	7.4147e+01
	145	1.0658e-14	-2.2171e-01	-2.2204e-16	-2.1398e+01	2.8422e-14	-3.6439e+00
733	143	1.4211e-14	-7.1816e+00	4.4409e-16	-2.5889e+02	2.8422e-14	-1.1719e+03
	144	-1.4211e-14	7.1816e+00	-4.4409e-16	2.5889e+02	5.6843e-14	-1.1622e+03
734	142	3.5527e-15	2.7288e-01	0.0000e+00	-2.1431e+02	2.8422e-14	1.2836e+00
	143	-3.5527e-15	-2.7288e-01	0.0000e+00	2.1431e+02	-8.5265e-14	8.5628e+01
735	141	7.1054e-15	1.7102e+01	2.2204e-16	1.2720e+02	-2.2737e-13	2.6935e+03
	142	-7.1054e-15	-1.7102e+01	-2.2204e-16	-1.2720e+02	-1.1369e-13	2.6594e+03
736	161	7.1054e-15	2.8921e+00	-1.7764e-15	2.4063e+02	-1.7053e-13	1.6162e+02

	141	-7.1054e-15	-2.8921e+00	1.7764e-15	-2.4063e+02	-1.1369e-13	7.3830e+02
737	140	1.4211e-14	6.9596e+00	4.4409e-16	1.9591e+01	5.6843e-14	1.0459e+03
	139	-1.4211e-14	-6.9596e+00	-4.4409e-16	-1.9591e+01	-5.6843e-14	1.1708e+03
738	492	2.8422e-14	2.3108e+01	-2.2204e-15	2.6748e+02	-1.1369e-13	1.9204e+03
	140	-2.8422e-14	-2.3108e+01	2.2204e-15	-2.6748e+02	1.1369e-13	2.0003e+03
739	137	0.0000e+00	-3.0820e+00	0.0000e+00	2.2341e+02	0.0000e+00	-5.7760e+02
	478	0.0000e+00	3.0820e+00	0.0000e+00	-2.2341e+02	0.0000e+00	-4.0970e+02
740	138	-1.4211e-14	1.6407e+00	2.2204e-16	-5.8854e+00	-5.6843e-14	2.8239e+02
	137	1.4211e-14	-1.6407e+00	-2.2204e-16	5.8854e+00	0.0000e+00	2.3933e+02
741	503	1.4211e-14	4.7971e+00	0.0000e+00	-1.1449e+02	2.8422e-14	6.1028e+02
	138	-1.4211e-14	-4.7971e+00	0.0000e+00	1.1449e+02	5.6843e-14	9.5043e+02
742	136	1.4211e-14	2.8499e+00	0.0000e+00	2.8442e+02	0.0000e+00	4.3061e+02
	479	-1.4211e-14	-2.8499e+00	0.0000e+00	-2.8442e+02	5.6843e-14	4.8236e+02
743	135	0.0000e+00	1.1106e+00	4.4409e-16	-1.9884e+01	-5.6843e-14	2.2175e+02
	136	0.0000e+00	-1.1106e+00	-4.4409e-16	1.9884e+01	-5.6843e-14	1.3142e+02
744	134	-2.8422e-14	2.8859e+00	-2.2204e-16	-1.8884e+02	-2.8422e-14	3.8750e+02
	135	2.8422e-14	-2.8859e+00	2.2204e-16	1.8884e+02	-2.8422e-14	5.3022e+02
745	133	1.4211e-14	3.0267e+00	-3.8858e-16	-1.8907e+02	-1.4211e-14	5.4292e+02
	134	-1.4211e-14	-3.0267e+00	3.8858e-16	1.8907e+02	0.0000e+00	4.1958e+02
746	132	1.4211e-14	-4.3672e+00	-4.4409e-16	2.2829e+02	-7.1054e-15	-7.2423e+02
	133	-1.4211e-14	4.3672e+00	4.4409e-16	-2.2829e+02	0.0000e+00	-6.9512e+02
747	131	-1.4211e-14	-3.9998e+00	2.2204e-16	1.2935e+02	5.6843e-14	-6.6448e+02
	132	1.4211e-14	3.9998e+00	-2.2204e-16	-1.2935e+02	1.4211e-13	-6.5144e+02
748	130	0.0000e+00	8.2299e+00	-8.8818e-16	-5.6406e+02	5.6843e-14	1.2452e+03
	131	0.0000e+00	-8.2299e+00	8.8818e-16	5.6406e+02	5.6843e-14	1.2443e+03
749	488	-2.8422e-14	-3.8547e+00	-4.4409e-16	2.7450e+02	2.2737e-13	-6.1059e+02
	130	2.8422e-14	3.8547e+00	4.4409e-16	-2.7450e+02	1.1369e-13	-5.8962e+02
750	156	7.1054e-15	-1.3477e+00	0.0000e+00	-3.5797e+02	-1.1369e-13	-2.7014e+02
	474	-7.1054e-15	1.3477e+00	0.0000e+00	3.5797e+02	-5.6843e-14	-1.6159e+02
751	155	-3.1974e-14	3.9441e+00	-4.4409e-16	-5.6361e+01	0.0000e+00	6.1245e+02
	156	3.1974e-14	-3.9441e+00	4.4409e-16	5.6361e+01	0.0000e+00	6.4177e+02
752	154	1.4211e-14	3.4814e+00	0.0000e+00	-3.8743e+01	-5.6843e-14	5.7212e+02
	155	-1.4211e-14	-3.4814e+00	0.0000e+00	3.8743e+01	2.8422e-14	5.3495e+02
753	153	-7.1054e-15	9.3225e-01	0.0000e+00	2.8009e+01	0.0000e+00	1.2297e+02
	154	7.1054e-15	-9.3225e-01	0.0000e+00	-2.8009e+01	0.0000e+00	1.7349e+02
754	151	3.5527e-15	-2.3434e+00	-1.6653e-16	4.6823e+01	-1.4211e-14	-4.2452e+02
	153	-3.5527e-15	2.3434e+00	1.6653e-16	-4.6823e+01	-2.8422e-14	-3.3708e+02
755	195	3.5527e-15	1.7956e+01	-2.2204e-16	5.3234e+02	1.1369e-13	2.8391e+03
	151	-3.5527e-15	-1.7956e+01	2.2204e-16	-5.3234e+02	2.5580e-13	2.8799e+03
756	194	-3.1974e-14	5.2949e+00	0.0000e+00	3.4253e+01	1.7053e-13	9.2129e+02
	195	3.1974e-14	-5.2949e+00	0.0000e+00	-3.4253e+01	0.0000e+00	7.3602e+02
757	482	-3.5527e-14	-6.2304e+00	-8.8818e-16	-3.2321e+02	5.6843e-14	-1.0528e+03
	194	3.5527e-14	6.2304e+00	8.8818e-16	3.2321e+02	0.0000e+00	-8.8714e+02
758	160	1.4211e-14	6.4228e+00	-4.4409e-16	-2.7470e+02	5.6843e-14	1.0321e+03
	475	-1.4211e-14	-6.4228e+00	4.4409e-16	2.7470e+02	0.0000e+00	1.0255e+03
759	159	0.0000e+00	4.3072e+00	-4.4409e-16	-9.5774e+00	2.8422e-14	6.9149e+02
	160	0.0000e+00	-4.3072e+00	4.4409e-16	9.5774e+00	0.0000e+00	6.7820e+02
760	158	0.0000e+00	4.8906e+00	2.2204e-16	-1.5487e+01	5.6843e-14	8.0072e+02
	159	0.0000e+00	-4.8906e+00	-2.2204e-16	1.5487e+01	-1.4211e-14	7.5449e+02
761	157	2.1316e-14	-5.2990e-01	-2.7756e-17	3.6126e+01	-1.4211e-14	-1.1781e+02

	158	-2.1316e-14	5.2990e-01	2.7756e-17	-3.6126e+01	4.2633e-14	-5.0702e+01
762	152	1.4211e-14	-2.2039e+00	5.5511e-17	4.2996e+01	4.2633e-14	-3.4958e+02
	157	-1.4211e-14	2.2039e+00	-5.5511e-17	-4.2996e+01	2.1316e-14	-3.8982e+02
763	150	-7.1054e-15	-1.1573e+00	2.2204e-16	4.7824e+02	-2.8422e-14	-1.7932e+02
	152	7.1054e-15	1.1573e+00	-2.2204e-16	-4.7824e+02	2.8422e-14	-1.7713e+02
764	149	0.0000e+00	6.1576e+00	-2.2204e-16	-1.0580e+01	2.8422e-14	9.4266e+02
	150	0.0000e+00	-6.1576e+00	2.2204e-16	1.0580e+01	2.8422e-14	9.8468e+02
765	483	7.1054e-15	8.0484e+00	0.0000e+00	-3.2592e+02	-5.6843e-14	1.2066e+03
	149	-7.1054e-15	-8.0484e+00	0.0000e+00	3.2592e+02	5.6843e-14	1.2994e+03
806	352	5.8271e+02	2.8349e+01	-4.9100e+01	-1.7992e+01	7.3795e+03	2.7749e+03
	468	-5.8271e+02	-2.8349e+01	4.9100e+01	1.7992e+01	8.3325e+03	6.2968e+03
807	334	1.9881e+03	-3.5742e+01	-1.2348e+02	-1.2528e+01	1.3645e+04	-4.1031e+03
	467	-1.9881e+03	3.5742e+01	1.2348e+02	1.2528e+01	2.5868e+04	-7.3343e+03
808	348	1.3538e+03	7.1288e+00	-1.1777e+01	-1.7992e+01	2.3632e+03	1.5850e+03
	461	-1.3538e+03	-7.1288e+00	1.1777e+01	1.7992e+01	1.4056e+03	6.9616e+02
809	349	4.4087e+02	1.6539e+00	-2.0289e+01	-1.2528e+01	2.6821e+03	5.6018e+02
	459	-4.4087e+02	-1.6539e+00	2.0289e+01	1.2528e+01	3.8105e+03	-3.0917e+01
810	339	1.8049e+03	6.0076e+00	-1.2987e+02	-1.2528e+01	1.3893e+04	9.8376e+02
	458	-1.8049e+03	-6.0076e+00	1.2987e+02	1.2528e+01	2.7667e+04	9.3867e+02
811	347	1.2192e+03	2.9626e+01	1.1129e+02	-1.7992e+01	-1.0083e+04	3.0784e+03
	456	-1.2192e+03	-2.9626e+01	-1.1129e+02	1.7992e+01	-2.5531e+04	6.4020e+03
812	350	2.0901e+03	9.8428e+01	-8.0833e+01	-1.7992e+01	1.0502e+04	7.9148e+03
	453	-2.0901e+03	-9.8428e+01	8.0833e+01	1.7992e+01	1.5365e+04	2.3582e+04
813	338	1.2218e+03	-1.2590e+02	-3.3908e+00	-1.7992e+01	1.4796e+03	-1.2553e+04
	452	-1.2218e+03	1.2590e+02	3.3908e+00	1.7992e+01	-3.9454e+02	-2.7736e+04
814	378	2.2831e+03	-2.3511e+01	-2.6996e+01	-1.7992e+01	2.5191e+03	-3.4420e+03
	449	-2.2831e+03	2.3511e+01	2.6996e+01	1.7992e+01	6.1196e+03	-4.0814e+03
815	354	3.7197e+02	-1.7389e+01	4.6846e+01	-1.7992e+01	-5.0883e+03	-2.6900e+03
	448	-3.7197e+02	1.7389e+01	-4.6846e+01	1.7992e+01	-9.9024e+03	-2.8745e+03
816	384	2.7620e+03	7.5939e+01	-4.0059e+00	-1.7992e+01	-3.8936e+02	9.2136e+03
	447	-2.7620e+03	-7.5939e+01	4.0059e+00	1.7992e+01	1.6713e+03	1.5087e+04
817	362	1.2237e+03	5.5164e+01	-4.8778e+01	-1.7992e+01	3.9065e+03	8.8312e+03
	445	-1.2237e+03	-5.5164e+01	4.8778e+01	1.7992e+01	1.1703e+04	8.8213e+03
818	366	-1.8727e+00	-9.4945e-01	-6.3308e+00	-1.2528e+01	5.3775e+02	-1.3987e+02
	444	1.8727e+00	9.4945e-01	6.3308e+00	1.2528e+01	1.4881e+03	-1.6396e+02
819	370	2.7325e+02	1.1948e+01	7.0444e+00	-1.2528e+01	-2.0074e+03	1.4357e+03
	443	-2.7325e+02	-1.1948e+01	-7.0444e+00	1.2528e+01	-2.4679e+02	2.3876e+03
820	363	9.0479e+02	-1.2859e+02	-7.9536e+00	-1.5247e+01	1.1187e+03	-1.3523e+04
	442	-9.0479e+02	1.2859e+02	7.9536e+00	1.5247e+01	1.4265e+03	-2.7624e+04
821	367	4.4605e+02	6.9031e-01	-2.1618e+01	-1.2528e+01	2.9026e+03	-3.1936e+02
	441	-4.4605e+02	-6.9031e-01	2.1618e+01	1.2528e+01	4.0151e+03	5.4026e+02
822	361	1.3506e+03	-9.7334e+01	1.1318e+02	-1.7992e+01	-1.1218e+04	-7.9128e+03
	440	-1.3506e+03	9.7334e+01	-1.1318e+02	1.7992e+01	-2.4999e+04	-2.3234e+04
823	355	4.0408e+02	3.0150e+01	-5.1706e+00	-1.2528e+01	4.2879e+02	3.2621e+03
	439	-4.0408e+02	-3.0150e+01	5.1706e+00	1.2528e+01	1.2258e+03	6.3861e+03
824	371	2.7369e+02	-1.2087e+01	1.0163e+01	-1.2528e+01	-2.2490e+03	-1.3559e+03
	438	-2.7369e+02	1.2087e+01	-1.0163e+01	1.2528e+01	-1.0031e+03	-2.5120e+03
825	376	1.3364e+03	9.4469e+01	1.0981e+02	-1.7992e+01	-1.0665e+04	7.4977e+03
	436	-1.3364e+03	-9.4469e+01	-1.0981e+02	1.7992e+01	-2.4476e+04	2.2732e+04
826	382	2.0360e+03	5.7551e+01	-1.1108e+02	-1.7992e+01	9.6752e+03	6.4896e+03

	435	-2.0360e+03	-5.7551e+01	1.1108e+02	1.7992e+01	2.5871e+04	1.1927e+04
827	385	1.3771e+03	-5.2332e+01	2.4306e+02	-1.7992e+01	-2.2043e+04	-4.8303e+03
	434	-1.3771e+03	5.2332e+01	-2.4306e+02	1.7992e+01	-5.5735e+04	-1.1916e+04
828	386	1.1960e+03	4.6476e+01	2.3684e+02	-1.7992e+01	-1.9307e+04	6.4073e+03
	433	-1.1960e+03	-4.6476e+01	-2.3684e+02	1.7992e+01	-5.6483e+04	8.4650e+03
829	353	3.8438e+02	8.4859e+00	-7.8965e+00	-1.7992e+01	1.3668e+03	1.6832e+03
	432	-3.8438e+02	-8.4859e+00	7.8965e+00	1.7992e+01	1.1601e+03	1.0323e+03
830	373	1.3888e+03	5.1283e-01	1.0748e+02	-1.7992e+01	-1.1147e+04	3.9809e+01
	431	-1.3888e+03	-5.1283e-01	-1.0748e+02	1.7992e+01	-2.3247e+04	1.2430e+02
831	364	2.2282e+03	-2.0175e+01	-1.9409e+01	-1.7992e+01	1.5925e+03	-3.7709e+03
	429	-2.2282e+03	2.0175e+01	1.9409e+01	1.7992e+01	4.6183e+03	-2.6850e+03
832	356	1.3694e+03	-3.5229e+00	-2.7326e+01	-1.7992e+01	3.6847e+03	-1.1893e+03
	424	-1.3694e+03	3.5229e+00	2.7326e+01	1.7992e+01	5.0597e+03	6.1914e+01
833	368	4.9003e+02	-3.3260e+01	-3.0031e+01	-1.2528e+01	3.3885e+03	-3.6210e+03
	423	-4.9003e+02	3.3260e+01	3.0031e+01	1.2528e+01	6.2215e+03	-7.0222e+03
834	375	1.6002e+03	-5.0275e+01	4.3928e+01	-1.7992e+01	-5.1921e+03	-3.7830e+03
	422	-1.6002e+03	5.0275e+01	-4.3928e+01	1.7992e+01	-8.8649e+03	-1.2305e+04
835	381	1.4330e+03	-9.0037e+00	3.1702e+01	-1.7992e+01	-3.6117e+03	-1.4164e+03
	420	-1.4330e+03	9.0037e+00	-3.1702e+01	1.7992e+01	-6.5330e+03	-1.4648e+03
836	380	4.1743e+02	6.8745e-01	1.3904e+01	-1.2528e+01	-2.2679e+03	-1.9047e+02
	419	-4.1743e+02	-6.8745e-01	-1.3904e+01	1.2528e+01	-2.1815e+03	4.1045e+02
837	383	6.1126e+01	3.1799e-01	1.7712e+01	-1.2528e+01	-3.2130e+03	2.1359e+01
	417	-6.1126e+01	-3.1799e-01	-1.7712e+01	1.2528e+01	-2.4548e+03	8.0397e+01
838	323	1.1345e+03	2.2246e+01	-4.2432e+01	-9.8861e+00	3.4508e+03	3.1205e+03
	386	-1.1345e+03	-2.2246e+01	4.2432e+01	9.8861e+00	1.0127e+04	3.9983e+03
839	329	1.3660e+03	2.8559e+00	-2.4046e+01	-9.8861e+00	1.5999e+03	-6.9884e+01
	385	-1.3660e+03	-2.8559e+00	2.4046e+01	9.8861e+00	6.0947e+03	9.8377e+02
840	333	2.5815e+03	2.6184e+01	7.5968e+00	-9.8861e+00	-7.6401e+02	4.2964e+03
	384	-2.5815e+03	-2.6184e+01	-7.5968e+00	9.8861e+00	-1.6670e+03	4.0824e+03
841	331	1.6261e+02	6.9787e-01	1.9245e+01	-6.8839e+00	-2.7117e+03	1.1109e+02
	383	-1.6261e+02	-6.9787e-01	-1.9245e+01	6.8839e+00	-3.4467e+03	1.1223e+02
842	325	2.0176e+03	1.3355e+01	1.4902e+01	-9.8861e+00	-1.0453e+03	2.3396e+03
	382	-2.0176e+03	-1.3355e+01	-1.4902e+01	9.8861e+00	-3.7233e+03	1.9341e+03
843	318	1.3506e+03	-5.4636e+00	9.6651e+00	-9.8861e+00	-1.6928e+03	-7.7775e+02
	381	-1.3506e+03	5.4636e+00	-9.6651e+00	9.8861e+00	-1.4001e+03	-9.7061e+02
844	317	4.3926e+02	-5.4332e-01	1.2570e+01	-6.8839e+00	-1.8041e+03	9.4318e+01
	380	-4.3926e+02	5.4332e-01	-1.2570e+01	6.8839e+00	-2.2184e+03	-2.6818e+02
845	332	2.2702e+03	-1.6756e+01	8.7153e-02	-9.8861e+00	3.7660e+02	-2.6399e+03
	378	-2.2702e+03	1.6756e+01	-8.7153e-02	9.8861e+00	-4.0449e+02	-2.7221e+03
846	322	1.2712e+03	-1.4618e+01	1.4351e+00	-9.8861e+00	-1.1312e+03	-9.5953e+02
	376	-1.2712e+03	1.4618e+01	-1.4351e+00	9.8861e+00	6.7195e+02	-3.7181e+03
847	328	1.5053e+03	9.4777e+00	1.3572e+01	-9.8861e+00	-2.2896e+03	5.4964e+02
	375	-1.5053e+03	-9.4777e+00	-1.3572e+01	9.8861e+00	-2.0534e+03	2.4832e+03
848	327	1.3314e+03	9.2761e-01	9.0279e+00	-9.8861e+00	-2.0426e+03	1.3483e+02
	373	-1.3314e+03	-9.2761e-01	-9.0279e+00	9.8861e+00	-8.4631e+02	1.6201e+02
849	319	3.3956e+02	-2.5240e+00	1.6619e+01	-6.8839e+00	-2.3255e+03	-5.0379e+02
	371	-3.3956e+02	2.5240e+00	-1.6619e+01	6.8839e+00	-2.9925e+03	-3.0387e+02
850	324	3.4244e+02	4.8216e+00	1.7085e+01	-6.8839e+00	-2.3185e+03	8.0196e+02
	370	-3.4244e+02	-4.8216e+00	-1.7085e+01	6.8839e+00	-3.1487e+03	7.4094e+02
851	302	5.0187e+02	-6.4162e+00	-5.4673e+00	-6.8839e+00	1.0057e+03	-1.2136e+03

	368	-5.0187e+02	6.4162e+00	5.4673e+00	6.8839e+00	7.4380e+02	-8.3960e+02
852	307	4.7332e+02	-3.1155e+00	-9.8523e+00	-6.8839e+00	1.5832e+03	-2.5100e+02
	367	-4.7332e+02	3.1155e+00	9.8523e+00	6.8839e+00	1.5695e+03	-7.4597e+02
853	314	4.2710e+01	-8.7003e-01	8.1977e-01	-6.8839e+00	1.6739e+01	-1.1859e+02
	366	-4.2710e+01	8.7003e-01	-8.1977e-01	6.8839e+00	-2.7907e+02	-1.5982e+02
854	298	2.1004e+03	-2.2165e+01	3.0533e+00	-9.8861e+00	-8.4709e+01	-3.1364e+03
	364	-2.1004e+03	2.2165e+01	-3.0533e+00	9.8861e+00	-8.9234e+02	-3.9564e+03
855	309	9.4577e+02	-1.4330e+01	-3.3191e+00	-8.3774e+00	5.4618e+02	-2.9757e+03
	363	-9.4577e+02	1.4330e+01	3.3191e+00	8.3774e+00	5.1595e+02	-1.6099e+03
856	306	1.3174e+03	4.7154e+01	1.0068e+01	-9.8861e+00	-8.7655e+02	7.0669e+03
	362	-1.3174e+03	-4.7154e+01	-1.0068e+01	9.8861e+00	-2.3453e+03	8.0224e+03
857	315	1.2930e+03	1.5174e+01	3.5642e+00	-9.8861e+00	-1.4133e+03	1.0398e+03
	361	-1.2930e+03	-1.5174e+01	-3.5642e+00	9.8861e+00	2.7279e+02	3.8157e+03
858	311	1.3002e+03	-8.7824e+00	-1.2174e+01	-9.8861e+00	1.9243e+03	-1.0419e+03
	356	-1.3002e+03	8.7824e+00	1.2174e+01	9.8861e+00	1.9713e+03	-1.7685e+03
859	303	3.7975e+02	5.2627e+00	1.4287e+00	-6.8839e+00	-1.1760e+02	1.0552e+03
	355	-3.7975e+02	-5.2627e+00	-1.4287e+00	6.8839e+00	-3.3958e+02	6.2887e+02
860	310	4.8470e+02	-1.2030e+01	9.5710e+00	-9.8861e+00	-1.8436e+03	-1.8144e+03
	354	-4.8470e+02	1.2030e+01	-9.5710e+00	9.8861e+00	-1.2191e+03	-2.0353e+03
861	313	4.3143e+02	1.0677e+01	-7.3559e+00	-9.8861e+00	1.0852e+03	1.5618e+03
	353	-4.3143e+02	-1.0677e+01	7.3559e+00	9.8861e+00	1.2687e+03	1.8549e+03
862	308	7.1496e+02	3.0701e+00	-3.3260e+01	-9.8861e+00	4.9880e+03	8.8017e+02
	352	-7.1496e+02	-3.0701e+00	3.3260e+01	9.8861e+00	5.6550e+03	1.0227e+02
863	301	1.9066e+03	-1.4166e+01	-3.0566e+01	-9.8861e+00	4.6375e+03	-7.5506e+02
	350	-1.9066e+03	1.4166e+01	3.0566e+01	9.8861e+00	5.1435e+03	-3.7780e+03
864	300	4.8021e+02	4.6649e+00	-9.1581e+00	-6.8839e+00	1.5049e+03	6.4570e+02
	349	-4.8021e+02	-4.6649e+00	9.1581e+00	6.8839e+00	1.4257e+03	8.4706e+02
865	312	1.2955e+03	1.0360e+01	-1.4548e+01	-9.8861e+00	2.1018e+03	1.4303e+03
	348	-1.2955e+03	-1.0360e+01	1.4548e+01	9.8861e+00	2.5536e+03	1.8850e+03
866	316	1.1943e+03	3.2321e+00	-8.1052e+00	-9.8861e+00	3.9486e+02	7.3453e+02
	347	-1.1943e+03	-3.2321e+00	8.1052e+00	9.8861e+00	2.1988e+03	2.9975e+02
867	304	1.5787e+03	7.0133e+00	-1.1516e+01	-6.8839e+00	2.3556e+03	1.1447e+03
	339	-1.5787e+03	-7.0133e+00	1.1516e+01	6.8839e+00	1.3294e+03	1.0995e+03
868	305	1.0957e+03	-1.0614e+01	-1.4582e+01	-9.8861e+00	2.0707e+03	-2.7464e+03
	338	-1.0957e+03	1.0614e+01	1.4582e+01	9.8861e+00	2.5955e+03	-6.4991e+02
869	299	1.7541e+03	-8.0597e+00	-1.9117e+01	-6.8839e+00	3.5494e+03	-1.3840e+03
	334	-1.7541e+03	8.0597e+00	1.9117e+01	6.8839e+00	2.5682e+03	-1.1952e+03
870	265	2.4738e+03	2.4320e+01	7.1786e-01	-3.9733e+00	-1.6726e+02	3.7046e+03
	333	-2.4738e+03	-2.4320e+01	-7.1786e-01	3.9733e+00	-6.2451e+01	4.0777e+03
871	264	2.2590e+03	-1.4711e+01	-4.3690e+00	-3.9733e+00	5.8452e+02	-2.2537e+03
	332	-2.2590e+03	1.4711e+01	4.3690e+00	3.9733e+00	8.1357e+02	-2.4538e+03
872	238	2.2419e+02	9.2809e-01	1.1775e+01	-2.7667e+00	-1.8036e+03	1.4535e+02
	331	-2.2419e+02	-9.2809e-01	-1.1775e+01	2.7667e+00	-1.9643e+03	1.5163e+02
873	234	1.3358e+03	-3.1736e+00	1.1369e+01	-3.9733e+00	-1.4758e+03	-3.5349e+02
	329	-1.3358e+03	3.1736e+00	-1.1369e+01	3.9733e+00	-2.1623e+03	-6.6205e+02
874	242	1.4670e+03	-4.5772e+00	1.3062e+01	-3.9733e+00	-1.9108e+03	-5.7620e+02
	328	-1.4670e+03	4.5772e+00	-1.3062e+01	3.9733e+00	-2.2691e+03	-8.8850e+02
875	240	1.2915e+03	8.1827e-01	1.5755e+01	-3.9733e+00	-2.2377e+03	1.2122e+02
	327	-1.2915e+03	-8.1827e-01	-1.5755e+01	3.9733e+00	-2.8039e+03	1.4063e+02
876	233	1.9942e+03	1.5442e+01	-4.5378e+00	-3.9733e+00	5.0584e+02	2.4116e+03

	325	-1.9942e+03	-1.5442e+01	4.5378e+00	3.9733e+00	9.4626e+02	2.5300e+03
877	244	3.7699e+02	4.8342e+00	9.4279e+00	-2.7667e+00	-1.4584e+03	7.2722e+02
	324	-3.7699e+02	-4.8342e+00	-9.4279e+00	2.7667e+00	-1.5585e+03	8.1974e+02
878	235	1.1238e+03	1.5006e+01	8.9360e+00	-3.9733e+00	-8.7322e+02	2.3991e+03
	323	-1.1238e+03	-1.5006e+01	-8.9360e+00	3.9733e+00	-1.9863e+03	2.4030e+03
879	245	1.2383e+03	5.1490e+00	1.3686e+01	-3.9733e+00	-1.8951e+03	5.4343e+02
	322	-1.2383e+03	-5.1490e+00	-1.3686e+01	3.9733e+00	-2.4843e+03	1.1043e+03
880	239	3.7424e+02	-3.6371e+00	9.9842e+00	-2.7667e+00	-1.5357e+03	-5.6002e+02
	319	-3.7424e+02	3.6371e+00	-9.9842e+00	2.7667e+00	-1.6592e+03	-6.0385e+02
881	241	1.3040e+03	-3.2562e+00	1.0421e+01	-3.9733e+00	-1.4932e+03	-5.0992e+02
	318	-1.3040e+03	3.2562e+00	-1.0421e+01	3.9733e+00	-1.8416e+03	-5.3207e+02
882	236	4.7235e+02	2.6867e+00	8.2427e+00	-2.7667e+00	-1.2351e+03	4.1089e+02
	317	-4.7235e+02	-2.6867e+00	-8.2427e+00	2.7667e+00	-1.4026e+03	4.4884e+02
883	243	1.1770e+03	5.6136e+00	7.6723e+00	-3.9733e+00	-1.1969e+03	8.1999e+02
	316	-1.1770e+03	-5.6136e+00	-7.6723e+00	3.9733e+00	-1.2583e+03	9.7635e+02
884	246	1.2625e+03	-5.1865e+00	1.4465e+01	-3.9733e+00	-2.0225e+03	-6.0850e+02
	315	-1.2625e+03	5.1865e+00	-1.4465e+01	3.9733e+00	-2.6062e+03	-1.0512e+03
885	251	6.7743e+01	-7.4222e-01	-8.9777e-01	-2.7667e+00	1.2321e+02	-9.0852e+01
	314	-6.7743e+01	7.4222e-01	8.9777e-01	2.7667e+00	1.6408e+02	-1.4666e+02
886	253	4.6571e+02	6.7374e+00	-5.0190e+00	-3.9733e+00	7.8321e+02	1.0830e+03
	313	-4.6571e+02	-6.7374e+00	5.0190e+00	3.9733e+00	8.2287e+02	1.0729e+03
887	261	1.2522e+03	5.8716e+00	-8.6458e+00	-3.9733e+00	1.3480e+03	9.7932e+02
	312	-1.2522e+03	-5.8716e+00	8.6458e+00	3.9733e+00	1.4187e+03	8.9960e+02
888	257	1.2577e+03	-3.7276e+00	-9.2504e+00	-3.9733e+00	1.4134e+03	-6.0835e+02
	311	-1.2577e+03	3.7276e+00	9.2504e+00	3.9733e+00	1.5467e+03	-5.8447e+02
889	247	5.4461e+02	-8.4654e+00	1.2158e+01	-3.9733e+00	-1.7408e+03	-1.2958e+03
	310	-5.4461e+02	8.4654e+00	-1.2158e+01	3.9733e+00	-2.1497e+03	-1.4131e+03
890	248	9.5521e+02	-2.0240e+01	-2.1762e+00	-3.3669e+00	3.4090e+02	-2.8668e+03
	309	-9.5521e+02	2.0240e+01	2.1762e+00	3.3669e+00	3.5548e+02	-3.6098e+03
891	255	7.9554e+02	6.6585e+00	-2.1689e+01	-3.9733e+00	3.1978e+03	9.5996e+02
	308	-7.9554e+02	-6.6585e+00	2.1689e+01	3.9733e+00	3.7427e+03	1.1708e+03
892	256	5.0561e+02	2.2008e-01	-7.4212e+00	-2.7667e+00	1.1034e+03	1.3746e+01
	307	-5.0561e+02	-2.2008e-01	7.4212e+00	2.7667e+00	1.2714e+03	5.6679e+01
893	258	1.3947e+03	3.5239e+01	-6.0442e-01	-3.9733e+00	-4.0732e+01	5.4690e+03
	306	-1.3947e+03	-3.5239e+01	6.0442e-01	3.9733e+00	2.3415e+02	5.8075e+03
894	260	1.0238e+03	-2.1964e+01	-8.2156e+00	-3.9733e+00	1.2636e+03	-3.0408e+03
	305	-1.0238e+03	2.1964e+01	8.2156e+00	3.9733e+00	1.3654e+03	-3.9876e+03
895	262	1.4511e+03	7.1850e+00	-1.5292e+01	-2.7667e+00	2.1802e+03	1.1497e+03
	304	-1.4511e+03	-7.1850e+00	1.5292e+01	2.7667e+00	2.7131e+03	1.1495e+03
896	250	3.6938e+02	6.4968e+00	-9.6780e-01	-2.7667e+00	2.1540e+02	9.3606e+02
	303	-3.6938e+02	-6.4968e+00	9.6780e-01	2.7667e+00	9.4292e+01	1.1429e+03
897	254	5.1217e+02	-8.5030e+00	-5.6476e+00	-2.7667e+00	8.0913e+02	-1.2475e+03
	302	-5.1217e+02	8.5030e+00	5.6476e+00	2.7667e+00	9.9809e+02	-1.4734e+03
898	259	1.7814e+03	5.9731e+00	-2.1280e+01	-3.9733e+00	3.1765e+03	6.4719e+02
	301	-1.7814e+03	-5.9731e+00	2.1280e+01	3.9733e+00	3.6330e+03	1.2642e+03
899	252	5.0923e+02	2.6469e+00	-7.3721e+00	-2.7667e+00	1.0908e+03	4.5397e+02
	300	-5.0923e+02	-2.6469e+00	7.3721e+00	2.7667e+00	1.2683e+03	3.9304e+02
900	263	1.6215e+03	-9.0705e+00	-2.1351e+01	-2.7667e+00	3.0812e+03	-1.3997e+03
	299	-1.6215e+03	9.0705e+00	2.1351e+01	2.7667e+00	3.7512e+03	-1.5029e+03
901	249	2.0383e+03	-1.3214e+01	-1.9173e+00	-3.9733e+00	2.4269e+02	-1.9931e+03

	298	-2.0383e+03	1.3214e+01	1.9173e+00	3.9733e+00	3.7083e+02	-2.2353e+03
902	142	2.3985e+03	1.1475e+01	2.5789e+00	6.4217e+00	-5.1046e+02	1.3521e+03
	265	-2.3985e+03	-1.1475e+01	-2.5789e+00	-6.4217e+00	-3.3799e+02	2.4232e+03
903	143	2.2433e+03	-6.5939e+00	-1.8727e+00	6.4217e+00	2.7697e+02	-8.0137e+02
	264	-2.2433e+03	6.5939e+00	1.8727e+00	-6.4217e+00	3.3915e+02	-1.3680e+03
904	144	1.5417e+03	-4.2144e+00	-1.0422e+01	4.4715e+00	1.4919e+03	-5.1794e+02
	263	-1.5417e+03	4.2144e+00	1.0422e+01	-4.4715e+00	1.9368e+03	-8.6860e+02
905	145	1.3787e+03	3.9899e+00	-7.7494e+00	4.4715e+00	1.1693e+03	4.7277e+02
	262	-1.3787e+03	-3.9899e+00	7.7494e+00	-4.4715e+00	1.3803e+03	8.3989e+02
906	138	1.2229e+03	2.4227e+00	-6.2247e+00	6.4217e+00	9.7861e+02	2.0080e+02
	261	-1.2229e+03	-2.4227e+00	6.2247e+00	-6.4217e+00	1.0693e+03	5.9629e+02
907	140	9.7750e+02	-8.0398e+00	-5.6481e+00	6.4217e+00	8.4358e+02	-1.0189e+03
	260	-9.7750e+02	8.0398e+00	5.6481e+00	-6.4217e+00	1.0147e+03	-1.6261e+03
908	139	1.7049e+03	1.5456e+00	-1.0769e+01	6.4217e+00	1.4376e+03	3.3901e+02
	259	-1.7049e+03	-1.5456e+00	1.0769e+01	-6.4217e+00	2.1054e+03	1.6950e+02
909	141	1.4419e+03	1.6023e+01	8.4110e-01	6.4217e+00	-1.2969e+02	1.7469e+03
	258	-1.4419e+03	-1.6023e+01	-8.4110e-01	-6.4217e+00	-1.4704e+02	3.5245e+03
910	137	1.2275e+03	-1.5679e+00	-6.0962e+00	6.4217e+00	9.6388e+02	-1.0910e+02
	257	-1.2275e+03	1.5679e+00	6.0962e+00	-6.4217e+00	1.0418e+03	-4.0673e+02
911	136	5.2708e+02	3.3481e-01	-6.5527e+00	4.4715e+00	1.1693e+03	1.0816e+02
	256	-5.2708e+02	-3.3481e-01	6.5527e+00	-4.4715e+00	9.8660e+02	1.9905e+00
912	131	8.4024e+02	2.4243e+00	-1.3323e+01	6.4217e+00	2.0214e+03	3.2487e+02
	255	-8.4024e+02	-2.4243e+00	1.3323e+01	-6.4217e+00	2.3619e+03	4.7271e+02
913	132	5.2065e+02	-3.1468e+00	-4.6103e+00	4.4715e+00	7.9635e+02	-3.2354e+02
	254	-5.2065e+02	3.1468e+00	4.6103e+00	-4.4715e+00	7.2044e+02	-7.1177e+02
914	130	4.9328e+02	3.3702e+00	-8.2816e-01	6.4217e+00	-1.0996e+02	4.2345e+02
	253	-4.9328e+02	-3.3702e+00	8.2816e-01	-6.4217e+00	3.8242e+02	6.8535e+02
915	135	5.2858e+02	8.3622e-01	-6.4565e+00	4.4715e+00	1.1431e+03	3.7994e+01
	252	-5.2858e+02	-8.3622e-01	6.4565e+00	-4.4715e+00	9.8112e+02	2.3712e+02
916	133	8.5389e+01	-5.5748e-01	-3.8809e-01	4.4715e+00	5.7642e+01	-8.5511e+01
	251	-8.5389e+01	5.5748e-01	3.8809e-01	-4.4715e+00	7.0039e+01	-9.7900e+01
917	134	3.7587e+02	3.2417e+00	-2.9249e+00	4.4715e+00	5.4648e+02	4.9329e+02
	250	-3.7587e+02	-3.2417e+00	2.9249e+00	-4.4715e+00	4.1580e+02	5.7322e+02
918	147	1.9958e+03	-5.0255e+00	2.0730e-01	6.4217e+00	-3.9664e+01	-5.5525e+02
	249	-1.9958e+03	5.0255e+00	-2.0730e-01	-6.4217e+00	-2.8537e+01	-1.0981e+03
919	148	9.5859e+02	-8.2360e+00	-2.6811e-02	5.4416e+00	-4.7989e+01	-1.1215e+03
	248	-9.5859e+02	8.2360e+00	2.6811e-02	-5.4416e+00	5.6810e+01	-1.5881e+03
920	152	5.8514e+02	-2.5879e+00	7.4438e+00	6.4217e+00	-1.2120e+03	-3.1213e+02
	247	-5.8514e+02	2.5879e+00	-7.4438e+00	-6.4217e+00	-1.2370e+03	-5.3928e+02
921	153	1.2374e+03	9.3078e-01	8.9286e+00	6.4217e+00	-1.4861e+03	1.5771e+02
	246	-1.2374e+03	-9.3078e-01	-8.9286e+00	-6.4217e+00	-1.4514e+03	1.4852e+02
922	155	1.2115e+03	1.3083e+00	8.8348e+00	6.4217e+00	-1.4790e+03	1.6213e+02
	245	-1.2115e+03	-1.3083e+00	-8.8348e+00	-6.4217e+00	-1.4277e+03	2.6831e+02
923	159	4.0530e+02	2.6733e+00	8.1513e+00	4.4715e+00	-1.3220e+03	3.0240e+02
	244	-4.0530e+02	-2.6733e+00	-8.1513e+00	-4.4715e+00	-1.3598e+03	5.7711e+02
924	161	1.1686e+03	7.0169e+00	-6.0463e+00	6.4217e+00	1.5671e+03	1.3095e+03
	243	-1.1686e+03	-7.0169e+00	6.0463e+00	-6.4217e+00	4.2213e+02	9.9908e+02
925	151	1.4364e+03	2.7449e+00	8.3952e+00	6.4217e+00	-1.3487e+03	5.9107e+02
	242	-1.4364e+03	-2.7449e+00	-8.3952e+00	-6.4217e+00	-1.4133e+03	3.1200e+02
926	156	1.2677e+03	-9.1002e-01	7.8193e+00	6.4217e+00	-1.2958e+03	-1.5312e+02

	241	-1.2677e+03	9.1002e-01	-7.8193e+00	-6.4217e+00	-1.2768e+03	-1.4628e+02
927	154	1.2624e+03	6.6627e-01	1.0201e+01	6.4217e+00	-1.6745e+03	-6.1288e+00
	240	-1.2624e+03	-6.6627e-01	-1.0201e+01	-6.4217e+00	-1.6816e+03	2.2533e+02
928	157	4.0323e+02	-4.7687e-01	7.7070e+00	4.4715e+00	-1.2303e+03	-5.0535e+00
	239	-4.0323e+02	4.7687e-01	-7.7070e+00	-4.4715e+00	-1.3053e+03	-1.5184e+02
929	158	2.6971e+02	5.6956e-01	9.0137e+00	4.4715e+00	-1.4295e+03	5.1739e+00
	238	-2.6971e+02	-5.6956e-01	-9.0137e+00	-4.4715e+00	-1.5361e+03	1.8221e+02
930	160	4.9736e+02	2.0680e+00	7.3545e+00	4.4715e+00	-1.2298e+03	2.5750e+02
	236	-4.9736e+02	-2.0680e+00	-7.3545e+00	-4.4715e+00	-1.1899e+03	4.2287e+02
931	149	1.1090e+03	9.1591e+00	-4.5498e+00	6.4217e+00	8.8895e+02	1.0701e+03
	235	-1.1090e+03	-9.1591e+00	4.5498e+00	-6.4217e+00	6.0792e+02	1.9432e+03
932	150	1.3205e+03	7.8071e-01	-1.4869e+00	6.4217e+00	5.6512e+02	5.3362e+01
	234	-1.3205e+03	-7.8071e-01	1.4869e+00	-6.4217e+00	-7.5941e+01	2.0349e+02
933	146	1.9727e+03	7.4242e+00	-1.0786e-01	6.4217e+00	2.7686e+01	8.1496e+02
	233	-1.9727e+03	-7.4242e+00	1.0786e-01	-6.4217e+00	7.8011e+00	1.6276e+03
934	127	8.3303e+01	2.3527e+01	-1.6473e+01	1.5614e+01	2.9582e+03	4.6029e+03
	195	-8.3303e+01	-2.3527e+01	1.6473e+01	-1.5614e+01	2.4780e+03	3.1610e+03
935	126	7.5407e+01	2.9835e+00	-1.7748e+01	1.5614e+01	3.1316e+03	7.6597e+02
	194	-7.5407e+01	-2.9835e+00	1.7748e+01	-1.5614e+01	2.7251e+03	2.1858e+02
936	51	5.1565e+02	1.0819e+01	2.0015e+01	1.5614e+01	-3.5375e+03	2.2764e+03
	160	-5.1565e+02	-1.0819e+01	-2.0015e+01	-1.5614e+01	-3.0674e+03	1.2938e+03
937	50	4.2766e+02	9.1649e+00	2.0306e+01	1.5614e+01	-3.5967e+03	1.9679e+03
	159	-4.2766e+02	-9.1649e+00	-2.0306e+01	-1.5614e+01	-3.1043e+03	1.0566e+03
938	49	3.0942e+02	9.1373e+00	2.0326e+01	1.5614e+01	-3.5781e+03	2.1752e+03
	158	-3.0942e+02	-9.1373e+00	-2.0326e+01	-1.5614e+01	-3.1294e+03	8.4013e+02
939	48	4.3186e+02	-6.8465e+00	1.9038e+01	1.5614e+01	-3.4248e+03	-1.7098e+03
	157	-4.3186e+02	6.8465e+00	-1.9038e+01	-1.5614e+01	-2.8577e+03	-5.4957e+02
940	47	1.2375e+03	6.6460e+00	3.2280e+00	1.5614e+01	1.9917e+01	1.5457e+03
	156	-1.2375e+03	-6.6460e+00	-3.2280e+00	-1.5614e+01	-1.0851e+03	6.4751e+02
941	46	1.1829e+03	8.7186e+00	5.3787e+00	1.5614e+01	-3.3657e+02	1.8874e+03
	155	-1.1829e+03	-8.7186e+00	-5.3787e+00	-1.5614e+01	-1.4384e+03	9.8975e+02
942	45	1.2265e+03	8.1070e+00	6.1574e+00	1.5614e+01	-4.3397e+02	1.9051e+03
	154	-1.2265e+03	-8.1070e+00	-6.1574e+00	-1.5614e+01	-1.5980e+03	7.7022e+02
943	44	1.2099e+03	-4.8425e+00	3.9932e+00	1.5614e+01	-4.9379e+01	-1.2012e+03
	153	-1.2099e+03	4.8425e+00	-3.9932e+00	-1.5614e+01	-1.2684e+03	-3.9677e+02
944	43	6.0485e+02	2.4872e+00	1.5987e+01	1.5614e+01	-2.9100e+03	5.7394e+02
	152	-6.0485e+02	-2.4872e+00	-1.5987e+01	-1.5614e+01	-2.3657e+03	2.4684e+02
945	42	1.3908e+03	1.0820e+01	1.0968e+00	1.5614e+01	4.4640e+02	1.9306e+03
	151	-1.3908e+03	-1.0820e+01	-1.0968e+00	-1.5614e+01	-8.0836e+02	1.6402e+03
946	41	1.2415e+03	1.1091e+01	-6.7946e+00	1.5614e+01	7.2268e+02	2.4886e+03
	150	-1.2415e+03	-1.1091e+01	6.7946e+00	-1.5614e+01	1.5196e+03	1.1715e+03
947	40	1.0432e+03	7.6252e+00	-9.5899e+00	1.5614e+01	1.3499e+03	1.5223e+03
	149	-1.0432e+03	-7.6252e+00	9.5899e+00	-1.5614e+01	1.8147e+03	9.9399e+02
948	39	9.5899e+02	9.0468e+00	-3.5168e+00	1.5614e+01	8.4120e+02	2.5332e+03
	148	-9.5899e+02	-9.0468e+00	3.5168e+00	-1.5614e+01	3.1933e+02	4.5225e+02
949	38	1.9847e+03	2.5542e+00	-3.8743e+00	1.5614e+01	8.4468e+02	6.0434e+02
	147	-1.9847e+03	-2.5542e+00	3.8743e+00	-1.5614e+01	4.3382e+02	2.3854e+02
950	37	1.9620e+03	1.1245e+01	-3.5770e+00	1.5614e+01	7.1399e+02	2.4821e+03
	146	-1.9620e+03	-1.1245e+01	3.5770e+00	-1.5614e+01	4.6641e+02	1.2289e+03
951	36	1.3355e+03	1.1456e+01	-7.6700e+00	1.5614e+01	9.2739e+02	2.4353e+03

	145	-1.3355e+03	-1.1456e+01	7.6700e+00	-1.5614e+01	1.6037e+03	1.3450e+03
952	35	1.4927e+03	-5.1848e-01	-9.5433e+00	1.5614e+01	1.2644e+03	8.0441e+01
	144	-1.4927e+03	5.1848e-01	9.5433e+00	-1.5614e+01	1.8849e+03	-2.5154e+02
953	34	2.2300e+03	-3.8099e-01	-2.1615e+00	1.5614e+01	2.7844e+02	6.9960e+01
	143	-2.2300e+03	3.8099e-01	2.1615e+00	-1.5614e+01	4.3487e+02	-1.9569e+02
954	33	2.3683e+03	1.1300e+01	6.4448e-01	1.5614e+01	1.7939e+02	2.3315e+03
	142	-2.3683e+03	-1.1300e+01	-6.4448e-01	-1.5614e+01	-3.9206e+02	1.3975e+03
955	32	1.4414e+03	1.5560e+01	-1.5720e+00	1.5614e+01	3.2872e+02	3.4238e+03
	141	-1.4414e+03	-1.5560e+01	1.5720e+00	-1.5614e+01	1.9004e+02	1.7111e+03
956	31	9.5963e+02	-1.5231e+01	-4.5010e+00	1.5614e+01	5.2369e+02	-3.1244e+03
	140	-9.5963e+02	1.5231e+01	4.5010e+00	-1.5614e+01	9.6163e+02	-1.9017e+03
957	30	1.6635e+03	1.5768e+01	-2.7645e+00	1.5614e+01	6.5658e+01	3.2890e+03
	139	-1.6635e+03	-1.5768e+01	2.7645e+00	-1.5614e+01	8.4663e+02	1.9145e+03
958	29	1.2075e+03	1.0813e+01	-5.0991e+00	1.5614e+01	5.5165e+02	2.5395e+03
	138	-1.2075e+03	-1.0813e+01	5.0991e+00	-1.5614e+01	1.1311e+03	1.0289e+03
959	28	1.2105e+03	-2.3178e+00	-4.9587e+00	1.5614e+01	5.2906e+02	-5.7648e+02
	137	-1.2105e+03	2.3178e+00	4.9587e+00	-1.5614e+01	1.1073e+03	-1.8841e+02
960	27	4.8035e+02	1.3648e-01	-1.5867e+01	1.5614e+01	2.4746e+03	-1.4487e+02
	136	-4.8035e+02	-1.3648e-01	1.5867e+01	-1.5614e+01	2.7617e+03	1.8991e+02
961	26	4.8245e+02	4.4804e+00	-1.5292e+01	1.5614e+01	2.3743e+03	1.2022e+03
	135	-4.8245e+02	-4.4804e+00	1.5292e+01	-1.5614e+01	2.6722e+03	2.7632e+02
962	582	3.4565e+02	4.7357e+00	-7.6460e+00	1.5614e+01	1.1376e+03	6.6613e+02
	134	-3.4565e+02	-4.7357e+00	7.6460e+00	-1.5614e+01	1.3856e+03	8.9666e+02
963	469	9.3725e+01	9.4718e-01	-1.5891e+00	1.5614e+01	2.5346e+02	3.3144e+02
	133	-9.3725e+01	-9.4718e-01	1.5891e+00	-1.5614e+01	2.7094e+02	-1.8864e+01
964	23	4.8262e+02	-9.0136e+00	-9.8337e+00	1.5614e+01	1.4621e+03	-2.0201e+03
	132	-4.8262e+02	9.0136e+00	9.8337e+00	-1.5614e+01	1.7831e+03	-9.5436e+02
965	22	7.6400e+02	5.4446e+00	-1.5507e+01	1.5614e+01	2.3538e+03	1.1576e+03
	131	-7.6400e+02	-5.4446e+00	1.5507e+01	-1.5614e+01	2.7633e+03	6.3911e+02
966	21	4.7429e+02	1.9609e+00	1.0847e+01	1.5614e+01	-2.1407e+03	3.8196e+02
	130	-4.7429e+02	-1.9609e+00	-1.0847e+01	-1.5614e+01	-1.4389e+03	2.6513e+02
361	256	-1.4211e-14	-1.4552e+00	5.4204e-01	2.1645e+02	-4.4728e+01	-1.2008e+02
	2	1.4211e-14	1.4552e+00	-5.4204e-01	-2.1645e+02	-1.2892e+02	-3.4609e+02
362	252	-1.4211e-14	6.7687e-01	-2.5213e-01	-1.8981e+00	5.4166e+00	1.4541e+01
	256	1.4211e-14	-6.7687e-01	2.5213e-01	1.8981e+00	7.4761e+01	2.0070e+02
363	250	0.0000e+00	3.9424e+00	-1.4685e+00	-1.4175e+02	2.1876e+02	5.8728e+02
	252	0.0000e+00	-3.9424e+00	1.4685e+00	1.4175e+02	2.4823e+02	6.6640e+02
364	251	1.4211e-14	8.4370e+00	-3.1428e+00	-5.8263e+01	5.4983e+02	1.4761e+03
	250	-1.4211e-14	-8.4370e+00	3.1428e+00	5.8263e+01	4.4957e+02	1.2069e+03
365	254	-2.8422e-14	-9.2086e+00	3.4302e+00	1.3499e+02	-4.9466e+02	-1.3280e+03
	251	2.8422e-14	9.2086e+00	-3.4302e+00	-1.3499e+02	-6.2014e+02	-1.6648e+03
366	255	-1.4211e-14	-5.1583e+00	1.9215e+00	3.6509e+02	-4.0535e+02	-1.0882e+03
	254	1.4211e-14	5.1583e+00	-1.9215e+00	-3.6509e+02	-2.2681e+02	-6.0889e+02
367	253	0.0000e+00	1.4899e+01	-5.5498e+00	-3.9769e+02	8.2789e+02	2.2225e+03
	255	0.0000e+00	-1.4899e+01	5.5498e+00	3.9769e+02	8.5092e+02	2.2844e+03
368	59	-4.2633e-14	-5.1241e+00	1.9087e+00	-1.5048e+02	-2.3664e+02	-6.3528e+02
	253	4.2633e-14	5.1241e+00	-1.9087e+00	1.5048e+02	-3.5766e+02	-9.6017e+02
377	54	4.2633e-14	-1.4140e+00	5.2670e-01	-2.8077e+02	-6.9253e+01	-1.8592e+02
	236	-4.2633e-14	1.4140e+00	-5.2670e-01	2.8077e+02	-9.9476e+01	-2.6705e+02
378	236	1.4211e-14	-4.1364e+00	1.5408e+00	-6.8052e+01	-2.6203e+02	-7.0344e+02

	244	-1.4211e-14	4.1364e+00	-1.5408e+00	6.8052e+01	-2.2794e+02	-6.1192e+02
379	244	1.4211e-14	-5.6666e+00	2.1108e+00	-6.7458e+01	-3.0340e+02	-8.1450e+02
	238	-1.4211e-14	5.6666e+00	-2.1108e+00	6.7458e+01	-3.6783e+02	-9.8747e+02
380	238	0.0000e+00	3.3145e+00	-1.2346e+00	6.0886e+01	2.3868e+02	6.4075e+02
	239	0.0000e+00	-3.3145e+00	1.2346e+00	-6.0886e+01	1.5394e+02	4.1326e+02
381	239	1.4211e-14	2.1330e+00	-7.9453e-01	8.3416e+01	1.3952e+02	3.7455e+02
	247	-1.4211e-14	-2.1330e+00	7.9453e-01	-8.3416e+01	1.2705e+02	3.4107e+02
382	247	-4.2633e-14	1.1980e+01	-4.4623e+00	1.1275e+02	6.4838e+02	1.7406e+03
	234	4.2633e-14	-1.1980e+01	4.4623e+00	-1.1275e+02	7.2602e+02	1.9491e+03
383	234	0.0000e+00	-7.5211e+00	2.8016e+00	2.0811e+02	-5.2273e+02	-1.4033e+03
	235	0.0000e+00	7.5211e+00	-2.8016e+00	-2.0811e+02	-3.5417e+02	-9.5080e+02
384	235	-1.4211e-14	-1.9626e+01	7.3107e+00	-3.6645e+01	-1.0402e+03	-2.7925e+03
	56	1.4211e-14	1.9626e+01	-7.3107e+00	3.6645e+01	-1.2361e+03	-3.3183e+03
446	307	1.4211e-14	-3.4930e-01	1.3011e-01	3.7707e+02	-1.0124e+02	-2.7179e+02
	165	-1.4211e-14	3.4930e-01	-1.3011e-01	-3.7707e+02	5.9558e+01	1.5989e+02
447	300	0.0000e+00	7.8930e-01	-2.9401e-01	4.9511e+00	3.1414e+01	8.4333e+01
	307	0.0000e+00	-7.8930e-01	2.9401e-01	-4.9511e+00	6.2082e+01	1.6666e+02
448	303	5.6843e-14	4.7783e+00	-1.7799e+00	-3.5911e+02	2.1841e+02	5.8635e+02
	300	-5.6843e-14	-4.7783e+00	1.7799e+00	3.5911e+02	3.4760e+02	9.3316e+02
449	314	-4.2633e-14	1.1784e+01	-4.3894e+00	5.9659e+01	7.9695e+02	2.1395e+03
	303	4.2633e-14	-1.1784e+01	4.3894e+00	-5.9659e+01	5.9889e+02	1.6078e+03
450	302	2.8422e-14	-1.3250e+01	4.9355e+00	2.4047e+02	-7.0829e+02	-1.9015e+03
	314	-2.8422e-14	1.3250e+01	-4.9355e+00	-2.4047e+02	-8.9576e+02	-2.4047e+03
451	308	5.6843e-14	-5.8935e+00	2.1953e+00	5.3885e+02	-5.1049e+02	-1.3705e+03
	302	-5.6843e-14	5.8935e+00	-2.1953e+00	-5.3885e+02	-2.1177e+02	-5.6852e+02
452	313	-4.2633e-14	1.8677e+01	-6.9570e+00	-7.0700e+02	1.0629e+03	2.8534e+03
	308	4.2633e-14	-1.8677e+01	6.9570e+00	7.0700e+02	1.0416e+03	2.7963e+03
453	80	2.8422e-14	-5.3911e+00	2.0082e+00	-1.2155e+02	-2.7451e+02	-7.3694e+02
	313	-2.8422e-14	5.3911e+00	-2.0082e+00	1.2155e+02	-3.5076e+02	-9.4165e+02
462	125	5.6843e-14	-1.1707e+00	4.3610e-01	-3.7168e+02	-1.6351e+02	-4.3896e+02
	317	-5.6843e-14	1.1707e+00	-4.3610e-01	3.7168e+02	2.3805e+01	6.3906e+01
463	317	1.4211e-14	-4.4142e+00	1.6443e+00	-1.8981e+01	-2.8865e+02	-7.7490e+02
	324	-1.4211e-14	4.4142e+00	-1.6443e+00	1.8981e+01	-2.3423e+02	-6.2882e+02
464	324	2.8422e-14	-7.1517e+00	2.6640e+00	-1.1167e+02	-3.7530e+02	-1.0075e+03
	331	-2.8422e-14	7.1517e+00	-2.6640e+00	1.1167e+02	-4.7185e+02	-1.2667e+03
465	331	-4.2633e-14	5.3337e+00	-1.9868e+00	8.8031e+01	3.6760e+02	9.8685e+02
	319	4.2633e-14	-5.3337e+00	1.9868e+00	-8.8031e+01	2.6420e+02	7.0927e+02
466	319	2.8422e-14	2.0802e+00	-7.7487e-01	-5.7093e+01	1.3909e+02	3.7339e+02
	310	-2.8422e-14	-2.0802e+00	7.7487e-01	5.7093e+01	1.2088e+02	3.2452e+02
467	310	-2.8422e-14	2.0806e+01	-7.7501e+00	-5.4129e+01	1.1735e+03	3.1504e+03
	329	2.8422e-14	-2.0806e+01	7.7501e+00	5.4129e+01	1.2135e+03	3.2578e+03
468	329	4.2633e-14	-1.1852e+01	4.4148e+00	-4.4358e+01	-8.0546e+02	-2.1623e+03
	323	-4.2633e-14	1.1852e+01	-4.4148e+00	4.4358e+01	-5.7637e+02	-1.5473e+03
469	323	7.1054e-14	-1.7236e+01	6.4205e+00	6.2264e+02	-1.1396e+03	-3.0593e+03
	75	-7.1054e-14	1.7236e+01	-6.4205e+00	-6.2264e+02	-8.5951e+02	-2.3074e+03
564	441	-2.8422e-14	2.0162e+02	6.0105e+00	1.3955e+03	-2.9868e+02	1.0705e+04
	170	2.8422e-14	1.6935e+02	-6.0105e+00	-1.3955e+03	-1.6268e+03	-5.5360e+03
565	459	-2.8422e-14	1.8512e+02	3.7204e-01	-3.1165e+01	-1.8429e+02	1.0253e+04
	441	2.8422e-14	1.8312e+02	-3.7204e-01	3.1165e+01	6.5977e+01	-9.9356e+03
566	439	2.8422e-14	1.6930e+02	-5.5196e+00	-7.0428e+02	1.5171e+03	5.6857e+03

	459	-2.8422e-14	1.9894e+02	5.5196e+00	7.0428e+02	2.3815e+02	-1.0398e+04
567	444	-7.1054e-14	-1.2908e+00	-4.8080e-01	1.1755e+02	-5.3706e+02	1.4418e+03
	439	7.1054e-14	1.2908e+00	4.8080e-01	-1.1755e+02	6.8995e+02	-1.8522e+03
568	423	-2.8422e-14	5.8198e-01	2.1679e-01	1.6057e+03	-6.6858e+02	1.7949e+03
	444	2.8422e-14	-5.8198e-01	-2.1679e-01	-1.6057e+03	5.9813e+02	-1.6057e+03
569	468	4.2633e-14	1.9823e+02	2.8834e+00	-3.5838e+02	4.7271e+02	9.1762e+03
	423	-4.2633e-14	1.8275e+02	-2.8834e+00	3.5838e+02	-1.4213e+03	-6.6296e+03
570	432	-1.2790e-13	1.8817e+02	4.8525e+00	-1.7131e+03	-1.0554e+03	1.1664e+04
	468	1.2790e-13	1.6212e+02	-4.8525e+00	1.7131e+03	-4.1246e+02	-7.7231e+03
571	84	0.0000e+00	1.6285e+02	-6.4928e+00	-2.8496e+02	1.2684e+03	5.9502e+03
	432	0.0000e+00	1.9771e+02	6.4928e+00	2.8496e+02	7.5323e+02	-1.1377e+04
580	163	-5.6843e-14	1.7041e+02	-5.6145e+00	-5.7037e+02	1.5600e+03	5.7153e+03
	419	5.6843e-14	2.0056e+02	5.6145e+00	5.7037e+02	2.3860e+02	-1.0544e+04
581	419	1.4211e-14	1.8655e+02	9.0309e-01	8.9712e+02	5.0948e+00	9.7448e+03
	443	-1.4211e-14	1.8170e+02	-9.0309e-01	-8.9712e+02	-2.9228e+02	-8.9738e+03
582	443	-1.4211e-14	1.7974e+02	-1.6323e+00	-7.7206e+02	5.6591e+01	9.6065e+03
	417	1.4211e-14	1.8850e+02	1.6323e+00	7.7206e+02	4.6247e+02	-1.1000e+04
583	417	-4.2633e-14	1.8717e+02	1.1342e+00	4.9253e+02	-4.2128e+02	1.0889e+04
	438	4.2633e-14	1.8108e+02	-1.1342e+00	-4.9253e+02	6.0589e+01	-9.9211e+03
584	438	2.8422e-14	1.8745e+02	-2.5363e+00	-2.7693e+03	5.4847e+02	9.3896e+03
	448	-2.8422e-14	2.0106e+02	2.5363e+00	2.7693e+03	3.0247e+02	-1.1674e+04
585	448	-2.8422e-14	1.9227e+02	5.1934e+00	-1.5092e+04	-1.3336e+03	1.2735e+04
	434	2.8422e-14	1.6439e+02	-5.1934e+00	1.5092e+04	-2.6597e+02	-8.4404e+03
586	434	7.1054e-14	1.4847e+02	-1.2203e+01	-8.1468e+02	2.8929e+03	1.6878e+03
	433	-7.1054e-14	2.1399e+02	1.2203e+01	8.1468e+02	9.2668e+02	-1.1942e+04
587	433	9.9476e-14	2.1342e+02	1.2347e+01	1.8736e+04	-1.6612e+03	1.3815e+04
	79	-9.9476e-14	1.4713e+02	-1.2347e+01	-1.8736e+04	-2.1832e+03	-3.4944e+03
597	441	2.2737e-13	6.1305e+01	2.2836e+01	-1.5220e+02	-2.2132e+03	5.9415e+03
	424	-2.2737e-13	-6.1305e+01	-2.2836e+01	1.5220e+02	-2.2056e+03	5.9211e+03
635	367	3.0198e-14	-1.9486e+01	7.2583e+00	4.4861e+02	-7.3763e+02	-1.9802e+03
	167	-3.0198e-14	1.9486e+01	-7.2583e+00	-4.4861e+02	-1.5876e+03	-4.2620e+03
636	349	-6.0396e-14	3.4494e+00	-1.2849e+00	-4.2704e+01	5.9308e+01	1.5922e+02
	367	6.0396e-14	-3.4494e+00	1.2849e+00	4.2704e+01	3.4928e+02	9.3768e+02
637	355	-6.3949e-14	8.4890e+00	-3.1621e+00	-4.6304e+02	5.5505e+02	1.4901e+03
	349	6.3949e-14	-8.4890e+00	3.1621e+00	4.6304e+02	4.5050e+02	1.2094e+03
638	366	-2.4869e-14	2.1525e+01	-8.0178e+00	5.9146e+00	1.3022e+03	3.4958e+03
	355	2.4869e-14	-2.1525e+01	8.0178e+00	-5.9146e+00	1.2475e+03	3.3490e+03
639	368	-5.3291e-14	-2.3058e+01	8.5890e+00	2.6460e+02	-1.3776e+03	-3.6984e+03
	366	5.3291e-14	2.3058e+01	-8.5890e+00	-2.6460e+02	-1.4138e+03	-3.7955e+03
640	352	-7.4607e-14	-6.6807e+00	2.4885e+00	1.0987e+03	-4.1974e+02	-1.1268e+03
	368	7.4607e-14	6.6807e+00	-2.4885e+00	-1.0987e+03	-3.9899e+02	-1.0711e+03
641	353	-3.5527e-15	2.5432e+01	-9.4734e+00	-1.0031e+03	1.3361e+03	3.5870e+03
	352	3.5527e-15	-2.5432e+01	9.4734e+00	1.0031e+03	1.5296e+03	4.1062e+03
642	82	0.0000e+00	-5.5046e+00	2.0504e+00	-4.7365e+02	-1.7230e+02	-4.6255e+02
	353	0.0000e+00	5.5046e+00	-2.0504e+00	4.7365e+02	-4.6613e+02	-1.2514e+03
651	129	4.2633e-14	2.0538e+01	-7.6504e+00	-6.1438e+02	1.6196e+03	4.3478e+03
	380	-4.2633e-14	-2.0538e+01	7.6504e+00	6.1438e+02	8.3128e+02	2.2316e+03
652	380	-1.2434e-14	-9.9400e+00	3.7026e+00	-3.2172e+02	-6.7206e+02	-1.8042e+03
	370	1.2434e-14	9.9400e+00	-3.7026e+00	3.2172e+02	-5.0537e+02	-1.3567e+03
653	370	7.8160e-14	-1.0561e+01	3.9339e+00	-4.2308e+01	-5.8879e+02	-1.5807e+03

	383	-7.8160e-14	1.0561e+01	-3.9339e+00	4.2308e+01	-6.6219e+02	-1.7777e+03
654	383	-7.4607e-14	1.0029e+01	-3.7357e+00	1.3752e+02	6.0867e+02	1.6340e+03
	371	7.4607e-14	-1.0029e+01	3.7357e+00	-1.3752e+02	5.7929e+02	1.5552e+03
655	371	-1.9540e-14	3.4650e+00	-1.2907e+00	7.4793e+02	2.8086e+02	7.5400e+02
	354	1.9540e-14	-3.4650e+00	1.2907e+00	-7.4793e+02	1.5217e+02	4.0850e+02
656	354	-1.9540e-14	3.7366e+01	-1.3919e+01	2.2731e+03	1.9981e+03	5.3639e+03
	385	1.9540e-14	-3.7366e+01	1.3919e+01	-2.2731e+03	2.2890e+03	6.1449e+03
657	385	-7.4607e-14	-5.2963e+00	1.9729e+00	1.2466e+03	-4.0627e+02	-1.0907e+03
	386	7.4607e-14	5.2963e+00	-1.9729e+00	-1.2466e+03	-2.1123e+02	-5.6707e+02
658	386	2.3093e-14	-7.4396e+01	2.7712e+01	-3.3451e+03	-3.5570e+03	-9.5489e+03
	77	-2.3093e-14	7.4396e+01	-2.7712e+01	3.3451e+03	-5.0716e+03	-1.3615e+04

Elem	Nodo	Nx	Ny	Nxy	Mx	My	Mxy
28	484	1.1842e-16	-3.7189e-02	-1.2443e-02	-1.6418e+00	3.0652e+00	2.7894e+00
	482	1.1842e-16	-1.0589e-01	-5.6542e-03	1.5065e-01	7.4698e+00	-6.1260e-01
	564	-1.2504e-02	-1.0589e-01	2.5981e-02	-2.9823e+00	-9.5953e+00	3.4437e+00
29	563	7.2312e-03	-2.0030e-03	6.9628e-03	-1.7385e+00	3.5482e+00	7.5788e-01
	484	7.2312e-03	-2.2037e-03	3.1700e-02	1.5570e+00	3.1468e+00	-1.9926e-01
	564	-4.6492e-02	-2.0030e-03	7.0718e-03	-2.7779e+00	-3.3600e+00	3.2200e-01
30	563	-2.0030e-03	-6.4842e-02	-5.6539e-03	2.5685e+00	5.0085e+00	9.7868e-01
	564	-2.0030e-03	-1.3282e-01	-5.7629e-03	-2.7884e+00	8.1353e+00	-5.5065e-01
	544	-1.8023e-03	-1.3282e-01	2.5538e-02	-4.1968e+00	-8.5875e+00	2.3289e+00
31	543	2.0128e-02	-9.9385e-03	9.0612e-03	-3.9992e+00	6.1104e+00	-1.5973e-01
	563	2.0128e-02	-8.4552e-03	4.1276e-02	2.1179e+00	4.3832e+00	-1.1631e+00
	544	-4.9834e-02	-9.9385e-03	8.2558e-03	-5.0887e+00	-7.0306e+00	-2.0353e+00
32	543	-9.9385e-03	-1.4233e-04	-3.1363e-02	4.7698e+00	4.3289e+00	3.7253e+00
	544	-9.9385e-03	-2.1493e-01	-3.0558e-02	-6.3267e+00	7.7540e+00	3.1337e-01
	1	-1.1422e-02	-2.1493e-01	6.8345e-02	-9.4688e+00	-1.9755e+01	3.4676e+00
33	58	4.2016e-02	0.0000e+00	-4.1926e-02	-5.4433e+00	2.4578e+00	2.3961e+00
	543	4.2016e-02	-8.7705e-02	8.5533e-03	3.8411e+00	9.4907e+00	-6.4226e-01
	1	-6.7613e-02	0.0000e+00	5.6915e-03	-8.7425e+00	2.2876e+00	1.0033e+01
34	523	1.5720e-03	-1.6238e-01	-1.9128e-03	1.5534e+00	4.4592e-02	-5.2090e-01
	561	1.5720e-03	2.9358e-02	-1.5718e-02	-2.2533e+00	4.5153e+00	4.9609e-01
	541	2.7202e-02	2.9358e-02	-1.0471e-01	-1.3093e+00	-8.2043e+00	4.6461e+00
35	519	-2.1841e-01	-1.8863e-03	4.9232e-02	-2.0335e+00	1.8353e+00	6.4947e-01
	523	-2.1841e-01	1.5576e-02	-1.6549e-02	1.1260e+00	1.9603e+00	1.4736e+00
	541	-7.6681e-02	-1.8863e-03	3.9826e-02	-1.1457e+00	1.2207e+00	7.8412e-01
36	519	-1.8863e-03	-4.9458e-02	-6.0244e-02	1.3015e+00	1.2974e+00	1.0177e+00
	541	-1.8863e-03	1.8620e-03	-5.0838e-02	1.6053e+00	4.7428e+00	9.0732e-02
	536	-1.9348e-02	1.8620e-03	-7.4658e-02	7.4483e-01	-5.7604e+00	3.2890e+00
37	52	-1.8160e-01	0.0000e+00	3.3154e-02	-1.2050e+01	-9.6484e-01	-3.3535e+00
	519	-1.8160e-01	-3.9575e-02	-2.1387e-02	6.3873e+00	7.9191e-01	2.6966e+00
	536	-6.4086e-02	0.0000e+00	5.4471e-02	-5.5327e+00	1.3608e+00	-1.4610e+00
38	523	-4.8741e-01	1.5720e-03	6.5928e-02	4.1034e+00	-9.1156e-02	-3.6555e-03
	161	-4.8741e-01	7.0369e-17	1.3653e-01	-2.4848e+01	-3.8480e+00	6.0507e+00
	486	7.0544e-02	7.0369e-17	2.2876e-02	-3.4686e-01	4.3572e+00	7.5534e+00
	561	7.0544e-02	1.5720e-03	-4.7722e-02	-7.3532e+00	-2.1895e+00	1.4991e+00
39	560	-5.4957e-02	-1.5665e-02	-2.0808e-02	-9.8545e+00	-2.2745e+00	5.5656e-01
	579	-5.4957e-02	-1.4074e-16	-1.4167e-01	-7.1918e+00	7.0734e+00	-4.7344e+00
	161	-4.8741e-01	-1.4074e-16	-1.9417e-01	-2.9007e+01	-7.7732e+00	-3.5437e+00
	523	-4.8741e-01	-1.5665e-02	-7.3310e-02	4.5428e+00	-1.8224e+00	1.7472e+00
40	540	-1.4049e-01	-1.7408e-02	-4.8845e-03	-6.5608e+00	-2.2080e+00	6.0106e-03
	560	-1.4049e-01	-1.5665e-02	-3.4912e-02	-6.1166e+00	-2.1893e+00	1.0722e+00
	523	-2.1841e-01	-1.5665e-02	1.1728e-03	-1.0292e+01	-2.3121e+00	6.3664e-01
	519	-2.1841e-01	-1.7408e-02	3.1200e-02	-8.9013e-01	-1.0507e+00	-4.2958e-01

41	412	-1.1154e-01	0.0000e+00	-2.7950e-02	-5.7059e+00	-1.6787e+00	-2.4522e+00
	540	-1.1154e-01	-1.7408e-02	2.4616e-02	-5.7286e+00	-4.4617e-01	-1.0520e+00
	519	-1.8160e-01	-1.7408e-02	5.9443e-02	-7.6103e+00	-2.0516e+00	-1.7643e+00
	52	-1.8160e-01	0.0000e+00	6.8761e-03	-1.8612e+00	1.2131e+00	-3.1644e+00
42	557	9.1308e-03	1.6177e-03	-8.0742e-02	-1.1378e+01	2.3938e+00	2.4645e-01
	490	1.2202e-02	-1.3174e-02	-1.0480e-01	8.7232e+00	-3.6295e-01	-2.9303e-01
	488	-4.1707e-01	-2.1547e-02	-1.8509e-01	6.9052e+00	-1.3768e-01	-1.0740e+00
	481	-3.8762e-01	5.2089e-02	-6.1592e-02	-2.1932e-01	1.3639e+00	-2.6438e+00
43	480	-7.9885e-02	-1.5111e-02	6.5101e-02	-1.4581e+00	9.2210e-01	-1.3195e+00
	558	-8.5787e-02	-8.6867e-04	6.9619e-02	-3.0930e+00	1.8423e+00	-8.9691e-01
	557	-1.2507e-01	-3.0735e-02	1.0438e-01	-3.0494e+00	3.7429e+00	2.1770e+00
	481	-1.3097e-01	-7.5481e-02	1.2071e-01	-2.6495e+00	8.1246e-01	1.8030e+00
44	577	1.2997e-01	3.5664e-02	1.9593e-01	1.0877e+00	-7.9672e-01	-1.6761e+00
	480	1.7050e-01	1.1586e-02	-1.8684e-02	1.8653e+00	-1.9222e+00	-4.7672e-01
	481	-3.9068e-01	-1.9453e-03	-1.1707e-01	2.5690e+00	1.0614e+00	-7.9587e-01
	488	-3.5015e-01	2.2557e-02	1.0361e-01	5.2041e+00	-1.5568e-01	-1.5782e+00
45	559	7.0481e-03	-1.1804e-01	-6.4680e-02	-5.2088e-01	-3.0056e+00	2.7616e-01
	558	7.0481e-03	-1.1145e-01	1.1298e-02	3.7468e-01	-4.2833e-01	1.4703e+00
	480	2.4696e-02	-1.1145e-01	1.5340e-02	-5.3929e-01	1.5448e+00	2.6288e+00
	472	2.4696e-02	-1.3682e-01	-8.1148e-02	1.0273e+00	-1.1913e-01	1.5228e+00
46	489	-6.3443e-02	-2.2083e-01	-1.8527e-01	2.1830e+00	8.7277e+00	5.0455e+00
	578	-3.6250e-02	3.4971e-02	-9.0262e-02	-1.1349e-01	-8.7009e-01	3.2128e+00
	559	-4.3066e-02	1.8081e-02	-4.5969e-02	-1.1197e+00	-4.7955e-01	1.1791e-01
	472	-1.3440e-03	-4.0157e-01	-9.5593e-02	8.0359e-01	4.2232e+00	9.5367e-01
47	577	-1.2630e-16	1.6563e-01	2.1752e-01	-8.9563e-01	1.5114e+00	-1.0764e+00
	489	-1.1333e-16	-5.7006e-01	1.3323e-01	1.6498e+00	1.0450e+01	-9.5657e-01
	472	2.4696e-02	-3.5903e-01	-7.6791e-02	2.9001e+00	5.5442e+00	1.5575e+00
	480	2.4696e-02	1.6563e-01	1.3898e-02	-1.2571e+00	3.8564e+00	1.8614e+00
48	24	-4.4087e-03	9.8444e-04	-5.4933e-02	1.0856e-02	-2.4754e+00	3.5078e-01
	427	-4.4087e-03	0.0000e+00	-5.7199e-02	5.8682e-01	-1.3301e-01	4.6860e-01
	490	-9.7217e-04	0.0000e+00	-7.7659e-02	-4.7306e+00	3.4329e-01	9.6974e-02
	557	-9.7217e-04	9.8444e-04	-7.5393e-02	5.9775e+00	2.9555e+00	-2.0843e-02
49	505	-1.1771e-02	1.2300e-05	-2.9525e-02	-5.4984e+00	2.2033e-01	-1.7697e+00
	428	-1.1771e-02	0.0000e+00	-2.8054e-02	-1.2997e+01	-4.2061e-01	7.2184e-01
	427	-4.4087e-03	0.0000e+00	-3.7472e-02	-2.2362e+00	4.0445e-01	1.2183e+00
	24	-4.4087e-03	1.2300e-05	-3.8943e-02	-2.5069e+00	-5.9628e-01	-1.2732e+00
50	604	3.6527e-02	-3.7342e-02	-1.9257e-02	-5.3570e+00	-3.8677e-01	-2.9538e+00
	430	2.8293e-02	-4.4666e-02	-3.2509e-02	-8.2442e+00	-2.5516e+00	-5.0098e+00
	428	2.2777e-02	-3.4547e-02	-2.4897e-02	-1.1172e+01	-4.4112e+00	-6.8946e+00
	505	1.4543e-02	-3.0007e-02	-1.8718e-02	-6.1118e+00	-2.4246e+00	-2.8961e+00
51	603	2.0675e-02	-2.8384e-02	-2.0763e-02	-2.9252e+00	-3.0617e-01	-2.0322e-01
	583	2.6546e-02	-3.4975e-02	-2.4240e-02	-3.7105e-01	-1.0953e+00	-1.5874e+00
	430	2.8359e-02	-4.4559e-02	-3.2394e-02	-5.7804e+00	-3.5352e+00	-4.2861e+00
	604	3.4230e-02	-3.3927e-02	-2.2017e-02	-4.5624e+00	5.8413e-01	-2.0430e+00
52	602	-5.5433e-03	4.7745e-03	-1.8721e-03	-4.8521e-01	5.5010e-01	3.5631e-01
	437	3.4844e-04	1.0952e-02	-1.1985e-02	-4.2751e-01	2.1609e-01	1.2417e-01
	583	-2.6530e-02	1.8100e-02	-1.3573e-02	-6.1847e-01	5.4403e-02	1.2921e-02
	603	-2.0638e-02	1.3759e-02	-8.1671e-03	-6.4733e-01	-1.4235e-01	9.6668e-02
53	601	1.3429e-02	-1.6178e-02	2.2142e-03	-1.7595e+00	-9.1632e-01	1.4242e+00
	446	1.3429e-02	-8.9341e-03	-1.3215e-03	-2.3099e+00	-2.8121e+00	2.2978e+00
	437	-5.6631e-03	-7.7432e-03	6.8134e-03	-2.8491e-01	-1.2633e+00	9.1909e-01
	602	-5.6631e-03	-1.4987e-02	1.0349e-02	-1.3111e+00	-5.4963e-01	5.7574e-01
54	600	2.2131e-02	-2.6322e-02	1.2068e-02	-2.9484e+00	-1.2987e+00	1.9136e+00
	455	2.1262e-02	-2.3661e-02	9.8115e-03	-6.4673e+00	-3.3816e+00	4.3516e+00
	446	1.1039e-02	-2.0248e-02	1.0865e-02	-4.7386e+00	-1.9437e+00	3.3014e+00
	601	1.0170e-02	-2.3549e-02	1.4185e-02	-3.5502e+00	-9.6719e-01	1.9862e+00
55	599	9.0209e-03	-1.9077e-02	1.8755e-02	-3.8750e+00	-1.1633e+00	2.9519e+00

	460	9.0209e-03	-2.0124e-02	1.9800e-02	-7.9088e+00	-2.1808e+00	4.2746e+00
	455	1.6608e-02	-2.2504e-02	2.0642e-02	-9.3843e+00	-1.5846e+00	4.3575e+00
	600	1.6608e-02	-2.1458e-02	1.9598e-02	-4.5292e+00	-1.0010e+00	2.5264e+00
56	598	-4.1622e-02	-1.9617e-02	4.4905e-02	-1.3018e+01	-2.6886e+00	1.3805e+00
	25	-4.9591e-02	-1.0544e-02	2.8625e-02	-2.9152e+01	-3.6165e+00	9.2373e+00
	460	5.2032e-03	-5.1759e-03	1.0654e-02	-1.3969e+01	-1.1679e+00	6.5381e+00
	599	-2.7654e-03	-1.5209e-02	3.0854e-02	-8.4711e+00	1.5602e+00	1.8838e+00
57	597	-1.8159e-02	2.2419e-03	-6.0264e-02	-3.4416e+00	-4.7624e+00	-7.1944e-01
	24	-1.8159e-02	9.8444e-04	-5.4107e-02	-4.4227e+00	-2.7956e+00	2.2642e-01
	557	-3.3251e-02	9.8444e-04	-7.5540e-02	-9.9457e+00	3.5044e+00	1.2073e+00
	537	-3.3251e-02	2.2419e-03	-8.1697e-02	7.2937e+00	4.7593e+00	2.6145e-01
58	596	-5.2697e-04	-4.7558e-04	-3.2661e-02	2.9094e+00	3.5219e+00	-8.8807e-01
	505	-5.2697e-04	1.2300e-05	-2.5531e-02	-3.5565e+00	1.1609e+00	-1.9808e+00
	24	-1.8159e-02	1.2300e-05	-3.8117e-02	-3.2838e+00	-1.5445e+00	-1.6486e+00
	597	-1.8159e-02	-4.7558e-04	-4.5246e-02	-3.3946e+00	-4.1462e+00	-5.5594e-01
59	595	-2.9527e-03	-3.0183e-03	-5.2407e-02	4.1158e+00	7.7436e-01	8.4570e-01
	604	-2.9527e-03	-3.6931e-03	-4.2619e-02	-1.9537e+00	1.2451e+00	4.5425e-01
	505	-5.2697e-04	-3.6931e-03	-2.4819e-02	-2.3977e+00	-3.6900e-01	-2.2844e-01
	596	-5.2697e-04	-3.0183e-03	-3.4608e-02	3.1193e+00	8.4386e-01	1.6302e-01
60	594	-2.2291e-02	1.3207e-03	-3.9836e-02	1.6667e-01	-2.5057e+00	6.9120e-01
	603	-2.2291e-02	7.2051e-04	-3.3425e-02	-1.8267e+00	-1.4487e+00	1.3680e+00
	604	-2.9527e-03	7.2051e-04	-4.4107e-02	-2.1413e+00	1.4805e+00	1.5720e+00
	595	-2.9527e-03	1.3207e-03	-5.0518e-02	4.2169e+00	2.3897e+00	8.9525e-01
61	593	-1.6181e-02	2.5289e-03	-1.6141e-03	-4.1258e-01	5.0355e-01	-2.8355e-01
	602	-1.6181e-02	1.5511e-03	1.0735e-03	-1.1738e+00	5.4545e-01	-4.0965e-01
	603	-2.2291e-02	1.5511e-03	-1.9989e-02	-1.7396e+00	-3.2230e-01	4.7960e-01
	594	-2.2291e-02	2.5289e-03	-2.2676e-02	-4.2681e-01	-1.0537e+00	6.0571e-01
62	592	-1.1685e-02	-9.5332e-04	1.2766e-02	3.1447e+00	6.1371e-01	-2.9051e-01
	601	-1.1685e-02	-4.0019e-04	1.3947e-02	-1.6658e+00	4.0937e-01	-7.4130e-01
	602	-1.6181e-02	-4.0019e-04	1.0819e-02	-1.4203e+00	-7.1514e-01	-6.1562e-01
	593	-1.6181e-02	-9.5332e-04	9.6383e-03	4.1096e-01	-1.0106e+00	-1.6484e-01
63	591	-2.2308e-03	2.5915e-04	2.7905e-02	6.3612e+00	7.7762e-01	-1.9424e-01
	600	-2.2308e-03	5.8748e-04	2.8728e-02	-1.3862e+00	4.9548e-01	-5.9266e-01
	601	-1.1685e-02	5.8748e-04	2.0261e-02	-8.7119e-01	-2.1282e-01	-4.7611e-01
	592	-1.1685e-02	2.5915e-04	1.9437e-02	3.6470e+00	-5.7943e-01	-7.7679e-02
64	590	-8.6037e-03	-3.0016e-04	1.5948e-02	7.1330e+00	-5.4492e-01	-6.5570e-01
	599	-8.6037e-03	7.0789e-05	2.3040e-02	-2.9657e+00	7.1635e-01	-4.5250e-01
	600	-2.2308e-03	7.0789e-05	2.8882e-02	-1.2043e+00	2.8608e-01	3.7636e-01
	591	-2.2308e-03	-3.0016e-04	2.1790e-02	6.4932e+00	9.4670e-01	1.7317e-01
65	589	1.7195e-02	1.0366e-02	2.4213e-02	8.6256e+00	3.6746e-01	-1.5027e+00
	598	1.7195e-02	-1.1044e-03	3.3996e-02	-7.1154e+00	-1.7116e+00	-1.1241e+00
	599	-8.6037e-03	-1.1044e-03	3.0369e-02	-3.8893e+00	1.3328e+00	-7.9889e-01
	590	-8.6037e-03	1.0366e-02	2.0586e-02	7.2207e+00	-1.0167e+00	-1.1774e+00
66	415	-4.9324e-02	0.0000e+00	-5.8348e-02	-1.5111e+01	-1.1466e+00	-2.4413e+00
	597	-4.9324e-02	2.2419e-03	-6.5280e-02	-6.5684e+00	-4.6027e+00	5.9038e-01
	537	-2.2783e-02	2.2419e-03	-7.3516e-02	-7.6904e+00	4.6302e+00	6.4466e-01
	53	-2.2783e-02	0.0000e+00	-6.6584e-02	2.7176e+00	1.1347e+00	-2.3871e+00
67	418	8.1209e-03	0.0000e+00	-4.3877e-03	1.3980e+01	1.5180e+00	5.7572e+00
	596	8.1209e-03	-4.7558e-04	-3.3461e-02	3.9027e+00	4.2136e+00	-1.6858e-01
	597	-4.9324e-02	-4.7558e-04	-5.0263e-02	-3.2913e+00	-4.6992e+00	-6.5917e-01
	415	-4.9324e-02	0.0000e+00	-2.1190e-02	-1.1535e+01	-1.6481e+00	5.2666e+00
68	425	1.1387e-02	5.6771e-31	-3.5580e-02	1.9262e+01	-2.0066e-01	-7.6068e-01
	595	1.1387e-02	-3.0183e-03	-5.4385e-02	8.4832e+00	7.2210e-01	-2.3294e-01
	596	8.1209e-03	-3.0183e-03	-3.5408e-02	8.5973e+00	1.4201e+00	1.7494e+00
	418	8.1209e-03	3.9040e-31	-1.6603e-02	2.1090e+01	1.8810e-01	1.2216e+00
69	450	-3.8383e-02	-2.3811e-31	-3.8451e-02	8.6227e-02	-9.6659e-01	-2.9843e+00
	594	-3.8383e-02	1.3207e-03	-3.9824e-02	1.0585e+00	-2.7176e+00	4.5157e-01

	595	1.1387e-02	1.3207e-03	-5.2496e-02	5.5324e+00	2.7377e+00	5.8181e-01
	425	1.1387e-02	-3.1657e-31	-5.1123e-02	1.4578e+01	8.9228e-01	-2.8541e+00
70	451	-2.3262e-02	0.0000e+00	4.5104e-03	-1.4966e+00	1.9346e-01	9.7876e-01
	593	-2.3262e-02	2.5289e-03	1.3324e-03	-5.2334e-01	5.2392e-01	3.2021e-01
	594	-3.8383e-02	2.5289e-03	-2.2665e-02	-1.1240e+00	-1.1693e+00	-3.1371e-01
	450	-3.8383e-02	0.0000e+00	-1.9487e-02	-3.9252e+00	-2.8760e-01	3.4484e-01
71	454	-1.6184e-02	0.0000e+00	9.9763e-03	7.9282e+00	3.4151e-01	1.9452e+00
	592	-1.6184e-02	-9.5332e-04	8.8539e-03	3.4159e+00	8.1467e-01	3.2016e-01
	593	-2.3262e-02	-9.5332e-04	1.2585e-02	8.8195e-01	-1.0500e+00	1.3961e-01
	451	-2.3262e-02	0.0000e+00	1.3707e-02	1.4923e+00	-4.4597e-01	1.7646e+00
72	457	-5.4006e-03	-7.3024e-17	3.5360e-02	1.8047e+01	3.3548e-01	1.4748e+00
	591	-5.4006e-03	2.5915e-04	3.4270e-02	8.3283e+00	9.9440e-01	-2.9589e-02
	592	-1.6184e-02	2.5915e-04	1.5525e-02	6.4188e+00	-6.0851e-01	5.8169e-01
	454	-1.6184e-02	-3.4266e-17	1.6616e-02	1.1653e+01	-3.9257e-01	2.0861e+00
73	462	-2.9401e-02	6.9650e-32	1.1248e-02	1.7079e+01	-2.0230e-01	-6.2716e-01
	590	-2.9401e-02	-3.0016e-04	2.2922e-03	9.2646e+00	-5.8684e-01	-1.7411e-01
	591	-5.4006e-03	-3.0016e-04	2.8155e-02	9.7907e+00	1.0862e+00	5.8622e-01
	457	-5.4006e-03	2.2980e-31	3.7110e-02	1.9054e+01	1.5064e-01	1.3316e-01
74	414	1.1073e-01	-2.3520e-16	5.6884e-02	3.3514e+01	7.2322e-01	2.0176e+00
	589	1.1073e-01	1.0366e-02	4.1415e-02	1.4612e+01	1.5588e+00	-1.4188e+00
	590	-2.9401e-02	1.0366e-02	6.9303e-03	1.1092e+01	-1.5014e+00	-9.3401e-01
	462	-2.9401e-02	-9.1861e-17	2.2400e-02	2.0504e+01	-1.0690e+00	2.5024e+00
75	575	7.6311e-03	-4.3983e-03	-9.9265e-03	-2.7315e+00	7.1150e-01	-1.1827e-01
	410	6.6794e-03	-6.0507e-03	-1.2386e-02	-8.3380e+00	3.0221e-01	-1.5844e+00
	471	2.2719e-03	-2.3481e-03	-4.8435e-03	-1.1160e+01	-4.9371e-01	-2.2013e+00
	576	1.3202e-03	-8.5382e-04	-2.9464e-03	-2.1100e+00	-2.9020e-02	4.7763e-01
76	574	1.4650e-02	-1.1336e-02	-9.9534e-03	-2.2432e+00	2.7154e-01	-4.7830e-01
	408	1.4650e-02	-1.4022e-02	-1.1872e-02	-5.5290e+00	-1.8329e-01	-1.8954e+00
	410	1.1090e-02	-1.3982e-02	-1.2648e-02	-5.7190e+00	-8.2860e-01	-1.8066e+00
	575	1.1090e-02	-1.1296e-02	-1.0729e-02	-1.2291e+00	-4.9715e-02	-8.8274e-03
77	573	2.0634e-02	-2.0028e-02	-2.8970e-03	-2.0171e+00	-2.3273e-01	-1.1123e+00
	405	1.9983e-02	-2.2575e-02	-4.8578e-03	-2.6964e+00	-7.3579e-01	-1.6852e+00
	408	1.9473e-02	-2.0375e-02	-3.7752e-03	-3.4781e+00	-1.5048e+00	-2.0818e+00
	574	1.8822e-02	-1.8645e-02	-2.8481e-03	-1.2932e+00	-2.8257e-01	-3.1678e-01
78	572	1.6237e-02	-1.7397e-02	-9.1847e-03	-1.5669e+00	3.8103e-01	-5.3245e-01
	585	1.7245e-02	-1.8497e-02	-9.6614e-03	-5.5461e-01	-3.0807e-01	-7.7000e-01
	405	1.7536e-02	-2.0305e-02	-1.1036e-02	-2.6369e+00	-2.0299e+00	-1.9628e+00
	573	1.8543e-02	-1.8367e-02	-9.2586e-03	-1.6226e+00	-8.1506e-01	-4.8085e-01
79	571	-1.3258e-02	1.2830e-02	-1.0903e-02	-1.4824e+00	-1.8454e+00	9.7233e-01
	404	-1.2292e-02	1.4212e-02	-1.2622e-02	-2.5481e+00	-2.6683e+00	2.7176e+00
	585	-1.5053e-02	1.3801e-02	-1.1539e-02	-5.4085e-02	-8.4358e-01	1.5288e+00
	572	-1.4086e-02	1.2829e-02	-1.0712e-02	-9.1001e-01	2.2275e-01	9.3613e-01
80	570	-8.1336e-03	7.4653e-03	-2.2187e-03	-1.5215e+00	-1.3954e+00	1.6592e+00
	403	-8.6296e-03	1.0090e-02	-3.8121e-03	-2.3122e+00	-1.8987e+00	2.1387e+00
	404	-1.6705e-02	1.4397e-02	-3.8443e-03	-2.2104e+00	-1.5607e+00	1.9404e+00
	571	-1.7201e-02	1.1240e-02	-1.5242e-03	-1.7366e+00	-1.2948e+00	1.5610e+00
81	569	2.2323e-04	-1.1650e-03	1.0188e-03	-3.1875e+00	-2.1352e+00	1.5904e+00
	402	1.4916e-04	1.7410e-04	-2.1240e-04	-4.7917e+00	-2.2938e+00	2.9880e+00
	403	-7.1715e-03	2.8812e-03	-1.1227e-03	-3.5902e+00	-1.5610e+00	2.6760e+00
	570	-7.2456e-03	1.5028e-03	1.8491e-04	-2.4790e+00	-5.9829e-01	1.8605e+00
82	568	4.6173e-03	-7.1103e-03	1.6802e-02	-3.2539e+00	-4.2519e-01	6.8342e-01
	401	3.9717e-03	-7.2837e-03	1.5378e-02	-5.8135e+00	-8.6527e-02	9.5269e-01
	402	-2.5404e-03	-3.0051e-03	6.8253e-03	-6.7729e+00	-1.3635e-01	1.4330e+00
	569	-3.1860e-03	-2.8133e-03	8.3573e-03	-4.4830e+00	-3.5426e-01	1.5264e+00
83	567	1.7937e-03	7.3993e-04	2.9139e-02	2.6511e+00	8.8619e-01	-9.0374e-02
	470	1.7937e-03	-1.0871e-17	2.8934e-02	-3.6397e+00	2.6986e-01	-1.1093e+00
	401	-3.3120e-03	-1.5513e-17	2.4589e-02	-4.5052e+00	-2.1100e-01	-8.7210e-01

	568	-3.3120e-03	7.3993e-04	2.4794e-02	-2.1076e+00	-9.9922e-01	1.4682e-01
84	566	2.8739e-03	-4.1846e-04	2.6048e-02	-1.5571e-01	-1.2004e-01	5.4903e-01
	581	2.8739e-03	0.0000e+00	4.6900e-02	5.6502e-01	-7.3051e-02	4.6150e-01
	470	1.7937e-03	0.0000e+00	4.1914e-02	2.7608e+00	1.0729e-01	-1.4190e-01
	567	1.7937e-03	-4.1846e-04	2.1061e-02	-2.7147e+00	7.3594e-01	-5.4371e-02
85	565	-1.1665e-01	1.3989e-02	3.4131e-02	-2.2125e+00	-1.7254e-01	-3.9128e-01
	483	-1.0578e-01	3.8618e-02	6.0737e-02	-3.6934e+00	3.8091e-01	2.8536e-01
	581	-2.7893e-02	3.0767e-02	5.5700e-02	-8.0879e-01	7.0058e-01	6.7412e-01
	566	-1.7016e-02	9.0577e-03	3.7545e-02	-3.9073e-01	5.7607e-01	-2.6211e-01
86	564	-9.1206e-02	-1.4606e-02	-4.0154e-02	-2.3771e+00	-3.8496e-01	2.0669e-01
	482	-7.8975e-02	-2.6918e-02	-6.2137e-02	-3.4744e+00	6.8887e-03	-3.5996e-01
	483	-1.3338e-01	7.3058e-03	-3.2101e-03	-3.8554e+00	1.0033e-01	-7.3753e-02
	565	-1.2115e-01	2.1273e-02	2.5138e-02	-2.4383e+00	5.5211e-01	1.8648e-01
87	562	-1.0929e-02	8.1654e-03	1.7825e-02	-3.5979e+00	-1.3284e+00	9.9412e-01
	580	-1.0929e-02	3.5184e-17	2.0754e-02	-7.0823e-01	-1.4514e-01	1.0813e+00
	484	7.2312e-03	3.5184e-17	-3.7277e-03	-2.1928e+00	1.3364e-01	1.0001e+00
	563	7.2312e-03	8.1654e-03	-6.6562e-03	-1.6275e+00	1.3751e+00	9.1300e-01
88	561	7.0544e-02	1.4069e-02	2.9419e-02	-5.9981e+00	4.7279e+00	1.6123e+00
	486	7.0544e-02	-1.4643e-16	4.1522e-02	2.6875e+00	6.6369e-01	1.3190e+00
	580	-1.0929e-02	-9.1089e-17	4.1111e-02	-1.0379e+00	-4.4064e-01	-3.4619e-01
	562	-1.0929e-02	1.4069e-02	2.9008e-02	-3.6341e+00	-3.0701e+00	-5.2919e-02
89	559	-1.2793e-03	-5.2994e-02	2.1556e-03	-4.0272e+00	-1.5314e+00	4.8384e-01
	578	-1.2793e-03	0.0000e+00	5.9552e-02	-1.2114e+00	-2.2140e-02	-8.8648e-01
	579	-5.4957e-02	1.1216e-32	2.4089e-02	-3.5274e+00	-2.3931e-01	-3.4273e-01
	560	-5.4957e-02	-5.2994e-02	-3.3308e-02	-8.2029e+00	8.1078e-01	1.0276e+00
90	555	3.3871e-04	3.2862e-03	-1.5958e-02	9.9077e+00	-4.1159e-01	2.4530e-01
	575	3.3871e-04	5.4263e-04	-1.0418e-02	2.1588e+00	2.5322e-01	5.2313e-01
	576	1.2515e-02	5.4263e-04	-3.4993e-03	1.7408e+00	1.6798e-03	8.5443e-01
	556	1.2515e-02	3.2862e-03	-9.0388e-03	1.1662e+01	3.9101e-01	5.7661e-01
91	554	1.5998e-03	1.2262e-03	-1.7458e-02	6.9145e+00	-3.0253e-01	5.5568e-02
	574	1.5998e-03	7.5944e-04	-1.6432e-02	1.3623e+00	-7.1761e-02	4.9225e-01
	575	3.3871e-04	7.5944e-04	-1.4392e-02	1.3848e+00	2.6015e-01	8.5827e-01
	555	3.3871e-04	1.2262e-03	-1.5418e-02	9.3024e+00	2.2567e-01	4.2159e-01
92	553	1.4520e-04	-5.6193e-04	-2.1315e-02	4.1890e+00	-2.7760e-01	6.3680e-02
	573	1.4520e-04	-1.7939e-04	-2.0548e-02	8.5897e-01	4.9271e-02	4.0557e-01
	574	1.5998e-03	-1.7939e-04	-1.8821e-02	4.7213e-01	-1.8944e-02	6.8718e-01
	554	1.5998e-03	-5.6193e-04	-1.9588e-02	6.2479e+00	7.7598e-02	3.4530e-01
93	552	-2.2716e-03	5.0648e-05	-2.0904e-02	2.4145e+00	-1.5794e-01	1.2484e-01
	572	-2.2716e-03	9.2240e-05	-1.9375e-02	-3.2589e-01	1.6790e-01	4.2829e-01
	573	1.4520e-04	9.2240e-05	-2.0832e-02	-9.6874e-02	-2.8807e-01	6.0457e-01
	553	1.4520e-04	5.0648e-05	-2.2362e-02	3.7722e+00	-9.7077e-02	3.0111e-01
94	551	-4.5132e-03	1.1269e-04	-1.7824e-02	1.5932e+00	-3.0396e-01	-5.6316e-02
	571	-4.5132e-03	-4.8234e-06	-1.5998e-02	-1.1844e+00	-6.8041e-01	1.2531e-01
	572	-2.2716e-03	-4.8234e-06	-1.7414e-02	-6.3211e-01	6.0998e-01	3.0932e-01
	552	-2.2716e-03	1.1269e-04	-1.9239e-02	1.8764e+00	7.3510e-02	1.2770e-01
95	550	-6.7425e-03	7.8893e-06	-8.9375e-03	7.1277e-01	1.9623e-01	-3.0903e-02
	570	-6.7425e-03	-3.1903e-05	-7.6738e-03	-1.8590e+00	1.8889e-01	1.3732e-01
	571	-4.5132e-03	-3.1903e-05	-1.3006e-02	-1.1289e+00	3.2874e-02	3.1098e-01
	551	-4.5132e-03	7.8893e-06	-1.4270e-02	9.3573e-01	-9.7072e-02	1.4275e-01
96	549	-9.8564e-03	1.4457e-04	1.4286e-03	-5.4868e-01	-5.9423e-01	2.5242e-02
	569	-9.8564e-03	-7.9187e-05	1.5392e-03	-3.2133e+00	-7.9214e-01	3.4828e-01
	570	-6.7425e-03	-7.9187e-05	-2.9552e-03	-2.3984e+00	5.6232e-01	3.0297e-01
	550	-6.7425e-03	1.4457e-04	-3.0658e-03	3.7257e-01	3.9813e-01	-2.0070e-02
97	548	-1.0806e-02	1.2779e-03	1.7957e-02	-1.4117e+00	-6.3655e-01	3.2642e-01
	568	-1.0806e-02	8.1906e-04	1.7419e-02	-2.6471e+00	-3.8226e-01	3.3597e-01
	569	-9.8564e-03	8.1906e-04	8.0131e-03	-3.0713e+00	2.3354e-02	4.4020e-01
	549	-9.8564e-03	1.2779e-03	8.5515e-03	-9.4353e-01	1.8700e-01	4.3065e-01

98	547	-4.5978e-03	5.1625e-04	3.0362e-02	1.1405e+00	8.5042e-01	4.4946e-01
	567	-4.5978e-03	7.3993e-04	2.8525e-02	-3.3169e+00	8.4480e-01	1.6151e-01
	568	-1.0806e-02	7.3993e-04	2.4538e-02	-2.6419e+00	-8.5317e-01	3.0022e-01
	548	-1.0806e-02	5.1625e-04	2.6375e-02	-1.1239e+00	-9.5932e-01	5.8817e-01
99	546	-1.1274e-02	-2.6773e-04	5.5544e-02	-1.1574e-01	-2.4567e-01	3.1025e-01
	566	-1.1274e-02	-4.1846e-04	3.0719e-02	-8.1970e-02	-4.0584e-01	4.0996e-01
	567	-4.5978e-03	-4.1846e-04	1.9037e-02	3.4445e+00	9.1816e-01	3.8932e-01
	547	-4.5978e-03	-2.6773e-04	4.3862e-02	-3.2285e+00	7.7789e-01	2.8962e-01
100	545	-2.6831e-02	-8.0970e-03	8.0684e-02	-5.6080e-01	9.8833e-01	-2.1980e-01
	565	-2.6831e-02	-1.0832e-02	6.5438e-02	-1.0540e+00	3.5678e-02	3.0882e-02
	566	-1.1274e-02	-1.0832e-02	4.3820e-02	-1.7832e-01	4.7873e-01	-1.7974e-02
	546	-1.1274e-02	-8.0970e-03	5.9066e-02	-3.9626e-01	-4.2682e-01	-2.6866e-01
101	544	-1.3282e-01	-1.6326e-02	-3.7973e-02	-2.8524e+00	-1.8847e+00	2.2736e-01
	564	-1.3282e-01	8.1129e-05	-1.8203e-02	-2.0681e+00	-9.0246e-01	7.1829e-01
	565	-2.6831e-02	8.1129e-05	5.7610e-02	-1.6976e+00	6.2058e-01	6.8030e-01
	545	-2.6831e-02	-1.6326e-02	3.7840e-02	-7.1866e-01	1.6326e+00	1.8937e-01
102	542	-2.6709e-02	1.1213e-02	2.2655e-02	-7.3489e+00	-3.1544e+00	-3.9250e-01
	562	-2.6709e-02	8.1654e-03	1.4692e-02	-4.9245e+00	-1.7807e+00	6.9724e-01
	563	2.0128e-02	8.1654e-03	-1.2951e-02	-4.3791e+00	1.7759e+00	8.9031e-01
	543	2.0128e-02	1.1213e-02	-4.9884e-03	-1.8182e+00	3.0111e+00	-1.9944e-01
103	541	2.9358e-02	6.1437e-03	4.8884e-02	-1.6781e+00	5.0414e+00	-1.1887e+00
	561	2.9358e-02	1.4069e-02	3.7942e-02	-1.1331e+01	5.1897e+00	-1.6125e+00
	562	-2.6709e-02	1.4069e-02	2.5875e-02	-6.6105e+00	-3.4672e+00	-4.3830e-01
	542	-2.6709e-02	6.1437e-03	3.6817e-02	-8.3662e+00	-4.3305e+00	-1.4527e-02
104	539	-3.1317e-02	-3.5679e-02	4.3428e-02	-1.0721e+01	-2.8634e+00	9.0637e-01
	559	-3.1317e-02	-5.2994e-02	1.1303e-02	-6.0607e+00	-2.3755e+00	1.6253e+00
	560	-1.4049e-01	-5.2994e-02	-4.7412e-02	-5.7593e+00	1.2592e+00	1.7231e+00
	540	-1.4049e-01	-3.5679e-02	-1.5286e-02	-7.6168e+00	1.6645e+00	1.0042e+00
105	538	-1.2193e-01	2.3398e-03	8.9787e-03	-8.5181e+00	3.3134e-01	4.1399e-01
	558	-1.2193e-01	7.0481e-03	5.6487e-03	-2.7290e+00	3.3838e-01	-5.4720e-01
	559	-3.1317e-02	7.0481e-03	3.8087e-02	-4.8906e+00	-1.0177e+00	7.5496e-02
	539	-3.1317e-02	2.3398e-03	4.1417e-02	-1.0825e+01	-1.5465e+00	1.0367e+00
106	537	-3.3251e-02	1.6249e-02	-6.1403e-02	-7.4789e+00	6.5225e+00	6.9932e-01
	557	-3.3251e-02	2.4796e-02	-6.2696e-02	7.2805e+00	3.1620e+00	-1.3562e+00
	558	-1.2193e-01	2.4796e-02	-2.7871e-02	-1.2245e+00	-2.8404e+00	-2.5465e+00
	538	-1.2193e-01	1.6249e-02	-2.6578e-02	-7.4824e+00	-5.0507e+00	-4.9105e-01
107	411	8.4840e-03	-6.5423e-18	-1.9049e-03	2.1566e+01	-4.7858e-01	-1.8504e+00
	555	8.4840e-03	3.2862e-03	-1.3625e-02	1.3354e+01	-4.5671e-01	-3.0282e-01
	556	4.1308e-02	3.2862e-03	-1.5384e-02	1.5230e+01	8.1758e-01	3.3892e-01
	61	4.1308e-02	-1.4082e-17	-3.6634e-03	2.7135e+01	3.0585e-01	-1.2087e+00
108	409	2.3494e-03	3.6419e-17	-1.7713e-02	1.4872e+01	-2.6980e-01	-1.4643e+00
	554	2.3494e-03	1.2262e-03	-1.7277e-02	9.2978e+00	-2.7561e-01	-4.2945e-01
	555	8.4840e-03	1.2262e-03	-1.3086e-02	1.1127e+01	3.9249e-01	-1.2725e-01
	411	8.4840e-03	2.7761e-17	-1.3522e-02	1.8755e+01	1.6768e-01	-1.1621e+00
109	187	-9.3533e-04	0.0000e+00	-2.0946e-02	9.3153e+00	-2.8090e-01	-1.2560e+00
	553	-9.3533e-04	-5.6193e-04	-2.1840e-02	5.9929e+00	-2.8667e-01	-2.8416e-01
	554	2.3494e-03	-5.6193e-04	-1.9406e-02	7.3721e+00	2.7285e-01	-1.6741e-01
	409	2.3494e-03	0.0000e+00	-1.8512e-02	1.2689e+01	1.7159e-01	-1.1392e+00
110	407	-3.4889e-03	3.4693e-17	-1.7905e-02	5.3977e+00	-1.7877e-01	-7.7209e-01
	552	-3.4889e-03	5.0648e-05	-2.1025e-02	3.1861e+00	-1.7356e-01	-1.0063e-01
	553	-9.3533e-04	5.0648e-05	-2.2887e-02	4.4067e+00	5.7497e-02	-1.3967e-01
	187	-9.3533e-04	3.8543e-17	-1.9766e-02	7.6880e+00	9.2577e-02	-8.1113e-01
111	406	-6.2901e-03	-3.0584e-17	-1.5355e-02	4.3594e+00	-7.7016e-02	-2.7118e-01
	551	-6.2901e-03	1.1269e-04	-1.7943e-02	1.9777e+00	-1.6928e-01	-1.3471e-01
	552	-3.4889e-03	1.1269e-04	-1.9361e-02	2.4855e+00	6.9058e-02	-1.5457e-01
	407	-3.4889e-03	-3.3521e-17	-1.6772e-02	4.4794e+00	-5.9374e-03	-2.9104e-01
112	186	-9.4225e-03	1.5407e-34	-7.2149e-03	4.5445e+00	1.7585e-02	-2.1188e-01

	550	-9.4225e-03	7.8893e-06	-8.8280e-03	1.6078e+00	2.2601e-01	-2.2160e-01
	551	-6.2901e-03	7.8893e-06	-1.4388e-02	2.0217e+00	-9.2178e-02	-1.0161e-02
	406	-6.2901e-03	1.0615e-34	-1.2775e-02	4.0755e+00	-3.3045e-02	-4.4130e-04
113	400	-1.1934e-02	-2.9636e-34	1.1076e-03	3.1126e+00	-1.4481e-01	-4.9857e-01
	549	-1.1934e-02	1.4457e-04	9.6160e-04	4.8924e-01	-4.5426e-01	-1.4953e-01
	550	-9.4225e-03	1.4457e-04	-2.9563e-03	1.1538e+00	4.1060e-01	-1.1459e-01
	186	-9.4225e-03	-2.5113e-34	-2.8103e-03	4.3239e+00	7.5149e-02	-4.6363e-01
114	399	-1.8852e-02	-4.0567e-34	1.4408e-02	-6.5209e-01	-2.6509e-01	-2.4048e-01
	548	-1.8852e-02	1.2779e-03	1.9518e-02	-7.4912e-01	-6.7714e-01	4.6984e-01
	549	-1.1934e-02	1.2779e-03	8.0845e-03	-6.5392e-02	3.6129e-01	2.2202e-01
	400	-1.1934e-02	-2.8384e-34	2.9740e-03	1.9315e+00	1.6474e-01	-4.8830e-01
115	60	-4.7321e-03	1.0322e-19	2.6479e-02	2.8359e+00	1.7800e-01	9.4754e-01
	547	-4.7321e-03	5.1625e-04	2.9689e-02	-1.5663e+00	8.1272e-01	4.3225e-01
	548	-1.8852e-02	5.1625e-04	2.7936e-02	-9.9589e-01	-8.2569e-01	4.8353e-01
	399	-1.8852e-02	-7.6320e-20	2.4725e-02	-5.7880e-01	-2.2813e-01	9.9881e-01
116	91	-2.8135e-02	0.0000e+00	2.3816e-02	-1.1976e+00	4.7007e-02	1.4465e-01
	546	-2.8135e-02	-2.6773e-04	5.7312e-02	-3.8141e-01	-5.3006e-01	3.8299e-01
	547	-4.7321e-03	-2.6773e-04	4.6131e-02	3.2068e+00	7.4623e-01	4.2236e-01
	60	-4.7321e-03	0.0000e+00	1.2634e-02	-3.7968e+00	1.3122e-01	1.8402e-01
117	168	-4.0955e-02	0.0000e+00	6.5129e-02	3.5491e+00	4.2381e-01	3.2382e-01
	545	-4.0955e-02	-8.0970e-03	9.2259e-02	4.6171e-01	1.2613e+00	-7.5675e-01
	546	-2.8135e-02	-8.0970e-03	6.0835e-02	-1.3521e-02	-7.5032e-01	-2.9929e-01
	91	-2.8135e-02	0.0000e+00	3.3705e-02	-4.5950e-01	-3.5385e-01	7.8128e-01
118	1	-2.1493e-01	-2.9980e-17	-2.9059e-02	-7.0409e+00	-6.9656e-01	-2.0255e+00
	544	-2.1493e-01	-1.6326e-02	-6.0393e-02	-3.5638e+00	-2.0990e+00	2.8333e-01
	545	-4.0955e-02	-1.6326e-02	4.9414e-02	-7.8869e-01	1.8967e+00	7.4014e-02
	168	-4.0955e-02	8.4047e-17	8.0748e-02	1.9616e+00	6.5845e-01	-2.2349e+00
119	421	-6.5520e-02	-1.1390e-32	-9.2363e-03	-1.7408e+01	-8.4333e-01	-2.3684e+00
	542	-6.5520e-02	1.1213e-02	2.7337e-02	-9.8441e+00	-3.1582e+00	1.3966e-01
	543	4.2016e-02	1.1213e-02	-1.6179e-03	-9.3489e+00	2.9927e+00	-6.6167e-02
	58	4.2016e-02	4.3041e-33	-3.8191e-02	-3.9188e+00	8.2554e-01	-2.5742e+00
120	536	1.8620e-03	-1.0363e-16	4.9169e-02	-2.5112e+00	1.4600e+00	2.7304e+00
	541	1.8620e-03	6.1437e-03	4.3031e-02	-6.7304e+00	4.9520e+00	-1.0504e+00
	542	-6.5520e-02	6.1437e-03	4.1499e-02	-9.0726e+00	-4.5505e+00	-7.5957e-01
	421	-6.5520e-02	-1.0068e-16	4.7637e-02	-1.7721e+01	-1.3090e+00	3.0211e+00
121	398	-6.1821e-02	-7.7257e-34	-2.6538e-02	-2.0931e+01	-1.0510e+00	-2.1860e+00
	539	-6.1821e-02	-3.5679e-02	1.6347e-02	-1.2051e+01	-3.1485e+00	1.1212e+00
	540	-1.1154e-01	-3.5679e-02	1.4214e-02	-8.0891e+00	1.9558e+00	-1.2501e-01
	412	-1.1154e-01	-3.0887e-33	-2.8670e-02	-9.2254e+00	9.1054e-01	-3.4322e+00
122	413	-1.1146e-01	-2.8413e-17	-1.4819e-02	-2.2142e+01	2.0563e-01	2.6142e+00
	538	-1.1146e-01	2.3398e-03	1.5875e-02	-1.1540e+01	9.4982e-02	1.8564e+00
	539	-6.1821e-02	2.3398e-03	1.4335e-02	-1.3461e+01	-1.6105e+00	1.6666e-01
	398	-6.1821e-02	-3.1680e-17	-1.6359e-02	-2.3744e+01	-2.6714e-01	9.2447e-01
123	53	-2.2783e-02	2.5154e-33	-4.9342e-02	-1.3662e+01	1.9865e+00	4.8507e+00
	537	-2.2783e-02	1.6249e-02	-6.2639e-02	7.4330e+00	6.8618e+00	-1.3951e-01
	538	-1.1146e-01	1.6249e-02	-1.9682e-02	-8.4741e+00	-6.1818e+00	-1.2897e-01
	413	-1.1146e-01	-4.5421e-33	-6.3857e-03	-1.8412e+01	-1.3166e+00	4.8612e+00
251	394	3.0871e-02	-3.0775e-02	-5.5395e-03	-2.0654e+00	8.2967e-01	9.6303e-01
	397	3.0871e-02	0.0000e+00	-2.6302e-01	-8.4373e-01	1.1746e+00	-8.6352e-01
	504	-3.2259e-01	-4.5440e-31	-1.8608e-01	-6.3177e+00	-9.1569e-01	-9.9397e-01
	395	-3.2259e-01	-3.0775e-02	7.1396e-02	-8.2021e-01	-3.4536e-01	8.3258e-01
252	393	5.0264e-03	-3.7262e-02	1.1995e-03	-2.8634e+00	9.6138e-01	1.2118e+00
	396	5.0264e-03	3.3036e-17	2.7418e-03	-4.8496e-01	-4.1801e-02	1.7180e+00
	397	3.0871e-02	-1.2353e-16	-7.4438e-02	-5.0088e-01	2.3698e-01	7.7050e-01
	394	3.0871e-02	-3.7262e-02	-7.5980e-02	-1.6757e+00	8.7080e-01	2.6437e-01
253	392	-1.6757e-01	-2.3219e-02	-1.1262e-01	-2.4336e+00	-9.1086e-01	6.0083e-02
	503	-1.6757e-01	0.0000e+00	1.0305e-01	-1.4183e+01	-2.2653e+00	4.6550e+00

	396	5.0264e-03	1.0178e-30	1.6657e-01	-1.7319e+00	2.6728e+00	4.7636e+00
	393	5.0264e-03	-2.3219e-02	-4.9100e-02	-4.2470e+00	1.1309e+00	1.6861e-01
254	389	-8.2189e-02	-1.9697e-02	-1.1144e-01	5.3011e-01	4.7149e-01	3.6084e-01
	394	-8.2189e-02	-3.0775e-02	2.3393e-02	-1.2135e+00	3.2485e-01	8.4754e-01
	395	-1.7091e-01	-3.0775e-02	5.7617e-02	-9.1376e-01	4.7000e-01	1.2177e+00
	391	-1.7091e-01	-1.9697e-02	-7.7213e-02	1.3572e+00	-3.1619e-01	7.3101e-01
255	379	-8.6796e-02	-4.0093e-02	-4.8387e-02	-8.1812e-01	-1.2435e-01	-6.9285e-01
	393	-8.6796e-02	-3.7262e-02	-4.7334e-02	-1.7134e+00	9.2637e-01	-9.8760e-02
	394	-8.2189e-02	-3.7262e-02	-4.7048e-02	-1.0178e+00	8.0489e-01	8.8555e-01
	389	-8.2189e-02	-4.0093e-02	-4.8101e-02	-1.3823e-01	1.5498e-01	2.9146e-01
256	377	-2.0985e-01	-3.5447e-02	4.1129e-02	-8.5634e-01	-2.1816e-01	-1.1689e+00
	392	-2.0985e-01	-2.3219e-02	-6.2213e-02	-3.1171e+00	5.5063e-01	-7.4646e-01
	393	-8.6796e-02	-2.3219e-02	-9.7634e-02	-2.3812e+00	9.6804e-02	-2.9305e-01
	379	-8.6796e-02	-3.5447e-02	5.7080e-03	-6.1428e-01	8.2216e-02	-7.1547e-01
257	390	1.0372e-02	3.8806e-03	2.0329e-01	5.3360e-01	-9.3385e-01	-2.1056e+00
	389	5.5249e-03	-2.0423e-02	-4.9804e-02	1.8033e+00	-4.4527e-02	-1.8818e-02
	391	-7.2553e-02	-2.2541e-02	-1.5980e-01	1.2640e+00	3.5403e-01	2.9574e-01
	12	-7.7401e-02	1.7928e-03	9.3030e-02	5.8337e+00	6.1997e-01	-1.7500e+00
258	387	2.9416e-02	-9.2909e-04	-4.6889e-02	1.8765e-01	-1.3069e-01	-8.0768e-01
	379	2.9609e-02	-4.1474e-02	-5.6628e-02	-8.4916e-02	-2.6908e-01	-3.6868e-01
	389	6.7690e-03	-4.0093e-02	1.4736e-02	1.2436e+00	8.5756e-02	-4.8616e-01
	390	6.9625e-03	4.8138e-04	2.4870e-02	-1.3225e-01	1.4231e-01	-9.2759e-01
259	11	-4.3431e-01	5.1156e-30	-2.0032e-01	2.6202e+00	3.6956e-01	-1.6447e-01
	377	-4.3431e-01	-3.5447e-02	1.0873e-02	-5.6164e-01	1.9801e-01	-9.3249e-01
	379	2.9999e-02	-3.5447e-02	-3.8916e-03	4.5536e-03	-1.8004e-01	-8.4454e-01
	387	2.9999e-02	5.0904e-30	-2.1509e-01	2.7588e-01	-5.0354e-01	-7.6524e-02
260	360	-5.0504e-02	2.7232e-02	5.2299e-03	-2.6135e+00	-9.9325e-02	-2.7482e-01
	374	-5.0504e-02	-7.0369e-17	-8.8894e-02	-3.5507e+00	3.8884e+00	-2.8212e+00
	502	-3.9265e-01	-7.0369e-17	-2.1511e-01	-9.4230e+00	-4.4415e+00	-3.1844e+00
	365	-3.9265e-01	2.7232e-02	-1.2099e-01	6.8170e-01	9.8198e-01	-6.3811e-01
261	359	-2.8612e-02	-6.0788e-02	-6.5571e-02	-2.3068e+00	5.9659e-01	-3.7889e-02
	372	-2.8612e-02	0.0000e+00	-8.0825e-03	-8.2215e-01	1.8239e+00	-1.6068e+00
	374	-5.0504e-02	0.0000e+00	1.5221e-02	-2.2855e+00	-1.5961e+00	-1.6611e+00
	360	-5.0504e-02	-6.0788e-02	-4.2268e-02	-2.4313e+00	-1.5400e-01	-9.2223e-02
262	342	-6.5106e-02	-1.5479e-02	6.5885e-03	-2.5783e+00	4.7494e-01	-4.5569e-02
	501	-6.5106e-02	7.0369e-17	4.5336e-02	1.9206e+00	2.1394e+00	-1.4546e+00
	372	-2.8612e-02	7.0369e-17	2.7387e-03	-1.3242e-01	-1.5341e+00	-1.4601e+00
	359	-2.8612e-02	-1.5479e-02	-3.6009e-02	-1.9514e+00	1.5208e-01	-5.1058e-02
263	351	-1.0072e-01	-6.4187e-04	-3.2084e-02	-2.3389e+00	2.5645e-01	7.9620e-01
	360	-1.0072e-01	2.7232e-02	-1.8316e-02	-2.4553e+00	-1.1776e-03	1.7880e-01
	365	-6.9591e-02	2.7232e-02	1.1193e-02	-4.2272e+00	1.4567e-01	9.5165e-02
	358	-6.9591e-02	-6.4187e-04	-2.5744e-03	-1.1918e+00	2.1859e-01	7.1257e-01
264	345	-6.3169e-02	1.2819e-03	-2.6966e-02	-2.8140e+00	2.3947e-01	6.5480e-01
	359	-6.3169e-02	-6.0788e-02	-7.1281e-02	-1.6231e+00	-2.5435e-01	4.9664e-01
	360	-1.0072e-01	-6.0788e-02	-6.5814e-02	-2.0573e+00	9.4232e-01	6.0068e-01
	351	-1.0072e-01	1.2819e-03	-2.1499e-02	-2.5399e+00	3.7344e-02	7.5884e-01
265	336	-7.1979e-02	-1.5397e-02	-5.9851e-02	-2.5409e+00	7.0141e-01	7.0352e-01
	342	-7.1979e-02	-1.5479e-02	-3.5709e-02	-1.3151e+00	3.0044e-01	2.7885e-01
	359	-6.3169e-02	-1.5479e-02	-4.1719e-02	-1.4447e+00	9.2252e-01	4.6908e-01
	345	-6.3169e-02	-1.5397e-02	-6.5861e-02	-2.8410e+00	-2.3023e-01	8.9374e-01
266	357	-2.9640e-02	-1.9259e-31	-2.2811e-02	-1.6253e+00	-3.0294e-01	3.0620e-01
	351	-2.9640e-02	-6.4187e-04	-3.2743e-02	-2.8249e+00	5.3157e-02	5.7322e-01
	358	-3.1993e-02	-6.4187e-04	7.0584e-03	-3.1362e+00	-6.9907e-03	5.2320e-01
	120	-3.1993e-02	1.4345e-31	1.6991e-02	-1.0438e+00	5.4677e-01	2.5618e-01
267	346	-8.6339e-02	0.0000e+00	-6.4788e-02	-4.1284e+00	-1.5188e+00	-3.8358e-01
	345	-8.6339e-02	1.2819e-03	-2.5624e-02	-1.6712e+00	7.6082e-02	5.2478e-01
	351	-2.9640e-02	1.2819e-03	-2.2158e-02	-2.8080e+00	2.5509e-01	6.1790e-01

	357	-2.9640e-02	0.0000e+00	-6.1323e-02	-2.0721e+00	1.4820e+00	-2.9046e-01
268	14	-2.6412e-02	-4.4900e-31	2.6051e-02	-1.7120e+00	1.2954e+00	9.2374e-01
	336	-2.6412e-02	-1.5397e-02	-4.4872e-02	-3.9051e+00	-2.3494e-01	5.5541e-01
	345	-8.6339e-02	-1.5397e-02	-6.4519e-02	-1.8445e+00	6.0890e-01	6.2781e-01
	346	-8.6339e-02	-2.5480e-31	6.4049e-03	-4.1455e+00	-1.2076e+00	9.9614e-01
269	341	-2.1430e-02	-1.8135e-02	-1.1470e-02	-4.7223e-01	1.7012e-01	4.2883e-02
	344	-2.1430e-02	1.3922e-16	-5.8784e-02	-8.8052e-02	-4.3286e-01	2.1597e-01
	501	-6.5106e-02	2.8626e-17	-1.7032e-02	1.9116e+00	4.0116e-01	-4.3694e-02
	342	-6.5106e-02	-1.8135e-02	3.0282e-02	-2.1886e+00	4.3292e-01	-2.1678e-01
270	340	-4.1855e-03	-8.2502e-03	5.3014e-02	-7.3751e-01	-1.7943e-01	-2.7780e-01
	343	-4.1855e-03	-7.0369e-17	3.3362e-02	-5.7704e-02	-3.5640e-02	-2.2280e-01
	344	-2.1430e-02	-7.0369e-17	-1.9309e-02	-2.1746e-01	-2.7836e-02	-1.6096e-01
	341	-2.1430e-02	-8.2502e-03	3.4385e-04	-4.8777e-01	-3.5215e-02	-2.1596e-01
271	337	-1.5389e-01	6.5764e-05	-5.2928e-03	-7.2579e-01	-9.7331e-03	-2.5558e-01
	500	-1.5389e-01	1.3259e-16	6.1185e-02	-1.6020e-01	-4.0894e-02	-2.2635e-01
	343	-4.1855e-03	1.9347e-16	9.8925e-02	-9.6800e-02	7.6897e-03	-2.4567e-01
	340	-4.1855e-03	6.5764e-05	3.2447e-02	-7.4137e-01	2.3765e-02	-2.7490e-01
272	330	-5.8320e-02	1.7025e-02	-2.1844e-02	-2.3059e+00	-3.0082e-01	1.6295e-01
	341	-5.8320e-02	-1.8135e-02	-1.3626e-03	-1.0378e+00	-5.4231e-02	-3.8351e-02
	342	-7.1979e-02	-1.8135e-02	-1.2016e-02	-1.1138e+00	3.6337e-01	3.0485e-01
	336	-7.1979e-02	1.7025e-02	-3.2498e-02	-2.5593e+00	-2.2898e-01	5.0615e-01
273	321	-6.2857e-02	1.7863e-02	2.6484e-02	-1.8298e+00	-5.8660e-01	-1.0879e-01
	340	-6.2857e-02	-8.2502e-03	7.0629e-02	-9.5766e-01	-1.2012e-01	-3.6088e-01
	341	-5.8320e-02	-8.2502e-03	1.0451e-02	-1.0659e+00	-3.1022e-01	-1.8807e-01
	330	-5.8320e-02	1.7863e-02	-3.3694e-02	-2.1341e+00	-2.6615e-01	6.4014e-02
274	320	-1.1274e-02	8.4187e-03	-3.4833e-03	-1.1594e+00	-1.8734e-01	2.9381e-02
	337	-1.1274e-02	6.5764e-05	-2.4284e-02	-1.0554e+00	8.0791e-02	-2.2485e-01
	340	-6.2857e-02	6.5764e-05	5.0062e-02	-1.1020e+00	-4.6725e-02	-3.7293e-01
	321	-6.2857e-02	8.4187e-03	7.0862e-02	-1.5289e+00	5.8337e-01	-1.1869e-01
275	335	-2.2377e-01	2.7565e-16	-1.3348e-01	-7.8578e+00	-1.5335e+00	-6.6251e-01
	330	-2.2377e-01	1.7025e-02	-6.9355e-02	-5.2758e-01	-6.7888e-01	6.9772e-01
	336	-2.6412e-02	1.7025e-02	-1.7518e-02	-4.0844e+00	-1.3451e-01	3.5621e-01
	14	-2.6412e-02	1.6642e-16	-8.1642e-02	-2.0752e+00	1.5549e+00	-1.0040e+00
276	326	-1.5510e-02	1.0362e-30	1.9843e-01	-1.2640e+00	2.0199e+00	2.6560e+00
	321	-1.5510e-02	1.7863e-02	2.9335e-02	-3.0509e+00	-1.3858e-01	4.0735e-01
	330	-2.2377e-01	1.7863e-02	-8.1205e-02	-3.1563e-01	-8.6393e-01	-1.7661e-03
	335	-2.2377e-01	4.5895e-31	8.7887e-02	-7.6788e+00	-2.0224e+00	2.2468e+00
277	13	1.1916e-01	4.2922e-17	1.7619e-02	8.9142e-01	6.1412e-01	1.3220e+00
	320	1.1916e-01	8.4187e-03	2.7929e-02	-1.9004e+00	2.9522e-01	2.4876e-01
	321	-1.5510e-02	8.4187e-03	7.3714e-02	-2.4386e+00	2.1367e-01	4.8133e-01
	326	-1.5510e-02	1.3464e-16	6.3403e-02	-3.2656e-01	-6.7374e-01	1.5546e+00
278	294	-4.5576e-02	-2.2132e-02	-2.2703e-03	1.2955e-02	-8.9342e-03	1.3653e-01
	297	-4.5576e-02	0.0000e+00	-9.3122e-02	2.1505e-01	-1.2929e-01	2.2882e-01
	499	-1.4089e-01	0.0000e+00	-4.9192e-02	3.7658e-01	1.6494e-01	2.5258e-01
	295	-1.4089e-01	-2.2132e-02	4.1660e-02	-6.2995e-02	-5.7951e-02	1.6030e-01
279	293	-4.5338e-02	6.1606e-03	4.4383e-02	7.3458e-03	-1.0814e-02	1.3991e-01
	296	-4.5338e-02	-1.5807e-17	3.8614e-02	1.5462e-01	-2.9357e-02	1.6992e-01
	297	-4.5576e-02	-1.6073e-16	-2.5497e-02	1.8376e-01	3.9219e-02	1.8705e-01
	294	-4.5576e-02	6.1606e-03	-1.9728e-02	6.0295e-03	-5.3221e-02	1.5704e-01
280	292	-1.6377e-01	-1.5661e-02	-2.4471e-02	-1.3732e-01	-2.5709e-02	1.1484e-01
	498	-1.6377e-01	0.0000e+00	6.5276e-02	3.0422e-01	9.4443e-02	1.0630e-01
	296	-4.5338e-02	-4.9202e-31	1.1251e-01	1.6850e-01	-5.9320e-02	1.2881e-01
	293	-4.5338e-02	-1.5661e-02	2.2760e-02	-9.5319e-03	-3.6270e-02	1.3735e-01
281	289	-1.0596e-01	-1.3787e-03	-1.8427e-02	-2.4884e-01	4.5033e-02	2.3178e-02
	294	-1.0596e-01	-2.2132e-02	2.3661e-02	-1.0735e-01	2.3023e-03	1.3436e-01
	295	-8.3929e-02	-2.2132e-02	2.7972e-02	-1.3802e-01	-1.5644e-02	1.3172e-01
	291	-8.3929e-02	-1.3787e-03	-1.4116e-02	-1.1507e-01	-4.6977e-02	2.0536e-02

282	286	-7.9131e-02	-6.5280e-03	2.9428e-02	-3.7569e-01	1.6330e-02	4.7148e-02
	293	-7.9131e-02	6.1606e-03	2.3541e-02	-1.0268e-01	-1.3420e-02	1.2794e-01
	294	-1.0596e-01	6.1606e-03	6.2034e-03	-1.0925e-01	-7.6992e-03	1.4017e-01
	289	-1.0596e-01	-6.5280e-03	1.2090e-02	-2.9421e-01	-9.0210e-02	5.9379e-02
283	285	-1.8108e-02	-1.7112e-02	1.0688e-02	-6.2738e-01	-2.6495e-02	-2.0559e-03
	292	-1.8108e-02	-1.5661e-02	-2.2124e-02	1.2548e-02	5.7798e-02	9.8224e-02
	293	-7.9131e-02	-1.5661e-02	1.9188e-03	-9.3378e-02	-2.8307e-02	1.3298e-01
	286	-7.9131e-02	-1.7112e-02	3.4731e-02	-4.2846e-01	-9.3939e-02	3.2700e-02
284	290	-5.6144e-02	8.0527e-31	8.7383e-02	4.4478e-03	-2.9891e-01	-2.9227e-01
	289	-5.6144e-02	-1.3787e-03	-6.9911e-03	-3.9836e-01	1.3391e-02	-5.4962e-02
	291	-2.5435e-01	-1.3787e-03	2.0999e-02	-5.2149e-01	-8.4725e-02	-9.1734e-02
	20	-2.5435e-01	1.0632e-30	1.1537e-01	3.4763e-01	3.8620e-01	-3.2905e-01
285	288	-3.0605e-02	-4.6229e-17	-2.2611e-02	-3.6829e-01	-3.1065e-01	-2.8826e-01
	286	-3.0605e-02	-6.5280e-03	1.7574e-03	-4.1343e-01	-7.4206e-02	-3.9068e-02
	289	-5.6144e-02	-6.5280e-03	2.3526e-02	-4.4277e-01	1.7038e-02	-5.6109e-02
	290	-5.6144e-02	-2.5750e-18	-8.4299e-04	-1.0789e-01	3.2699e-01	-3.0530e-01
286	19	-7.6340e-02	-6.1934e-04	-6.1037e-02	-1.1123e+00	-5.5653e-01	-4.0555e-01
	285	-7.5636e-02	-1.7273e-02	8.4321e-03	-1.4576e-01	9.2166e-02	-8.5978e-02
	286	-2.9531e-02	-1.7279e-02	8.0019e-03	-4.6191e-01	-7.7703e-02	-6.0419e-02
	288	-2.8826e-02	-6.2565e-04	-6.1552e-02	-5.0421e-01	4.6232e-01	-3.8276e-01
287	281	-1.3044e-02	-1.6056e-02	1.4734e-02	4.4331e-01	-1.0344e-01	-5.3405e-02
	284	-1.3044e-02	-2.3185e-16	-3.2924e-02	2.6667e-01	1.8129e-01	-2.9167e-01
	497	-3.2849e-02	-1.6626e-16	-9.4414e-03	-3.8165e-02	-2.1402e-01	-2.6653e-01
	282	-3.2849e-02	-1.6056e-02	3.8216e-02	4.3912e-01	-6.8489e-03	-2.8257e-02
288	280	-1.0200e-02	-2.5844e-03	4.2695e-02	1.1071e+00	6.2110e-02	2.3530e-02
	283	-1.0200e-02	-1.0576e-16	2.9273e-02	4.3520e-01	2.2737e-01	-4.1106e-01
	284	-1.3044e-02	1.6436e-16	-5.1891e-03	3.8244e-01	-2.8532e-01	-3.5914e-01
	281	-1.3044e-02	-2.5844e-03	8.2326e-03	5.9622e-01	-2.8020e-01	7.5453e-02
289	279	-1.2372e-01	-9.5325e-03	-6.2523e-03	-6.2595e-01	-2.9629e-01	-1.1369e-01
	496	-1.2372e-01	5.4564e-17	5.4135e-02	4.2962e+00	1.4632e+00	-1.2532e+00
	283	-1.0200e-02	2.8837e-16	8.2200e-02	9.6930e-01	-1.4193e+00	-1.1840e+00
	280	-1.0200e-02	-9.5325e-03	2.1813e-02	1.2230e+00	1.2675e-01	-4.4478e-02
290	276	-4.9603e-02	-2.3017e-02	7.7852e-03	-8.7191e-02	2.8032e-02	1.8766e-01
	281	-4.9603e-02	-1.6056e-02	4.6476e-02	2.4406e-01	-1.5044e-01	9.0953e-02
	282	-6.0982e-02	-1.6056e-02	1.4896e-02	8.3888e-02	5.1285e-02	4.6148e-02
	278	-6.0982e-02	-2.3017e-02	-2.3795e-02	-5.2447e-02	1.0992e-02	1.4286e-01
291	274	-2.4276e-02	3.4123e-02	2.8287e-02	1.5067e-01	1.7640e-01	3.3019e-01
	280	-2.4276e-02	-2.5844e-03	2.5599e-02	1.0246e-01	-3.1823e-01	2.8382e-01
	281	-4.9603e-02	-2.5844e-03	3.9975e-02	2.5940e-01	1.1908e-01	1.9054e-01
	276	-4.9603e-02	3.4123e-02	4.2662e-02	-6.6408e-02	-8.7871e-02	2.3691e-01
292	273	-1.6414e-03	-3.3213e-02	1.8344e-02	-6.6954e-01	7.0095e-02	2.6234e-01
	279	-1.6414e-03	-9.5325e-03	-9.8532e-03	1.1358e+00	-1.9501e-01	1.3378e-01
	280	-2.4276e-02	-9.5325e-03	4.7167e-03	2.5415e-01	1.3089e-01	1.0787e-01
	274	-2.4276e-02	-3.3213e-02	3.2914e-02	4.5329e-02	-5.4297e-02	2.3642e-01
293	277	-2.4238e-02	3.0809e-16	1.4794e-01	-3.2695e-01	1.2702e-01	1.9772e-01
	276	-2.4238e-02	-2.3017e-02	4.1545e-02	-3.5998e-01	1.9315e-03	1.2579e-01
	278	-1.5777e-01	-2.3017e-02	-7.8193e-02	-1.0926e-01	7.4566e-02	1.4853e-01
	18	-1.5777e-01	6.4431e-17	2.8200e-02	-6.7096e-01	-1.2064e-01	2.2045e-01
294	275	-1.2202e-02	1.1569e-16	-5.7263e-02	-2.9613e-01	-8.9444e-02	3.7069e-03
	274	-1.2202e-02	3.4123e-02	-3.0689e-02	-6.8814e-01	-3.8309e-02	1.9508e-01
	276	-2.4238e-02	3.4123e-02	7.6422e-02	-4.2771e-01	1.6928e-01	2.2638e-01
	277	-2.4238e-02	-1.0533e-16	4.9848e-02	-3.0835e-01	1.2391e-01	3.4998e-02
295	17	8.8205e-02	1.2160e-16	6.1563e-02	-2.6675e+00	-8.7762e-01	-5.3247e-01
	273	8.8205e-02	-3.3213e-02	1.1797e-01	4.9663e-01	1.5189e-01	1.1138e-01
	274	-1.2202e-02	-3.3213e-02	-2.6061e-02	-7.2283e-01	-4.5056e-02	1.5560e-01
	275	-1.2202e-02	-1.6780e-16	-8.2470e-02	-6.1299e-01	8.4808e-01	-4.8825e-01
296	268	-2.6127e-02	-2.3497e-02	2.4087e-02	-3.6004e-02	8.8770e-03	-1.0144e-01

	272	-2.6127e-02	0.0000e+00	-5.8666e-02	7.7783e-02	-1.7221e-01	1.8080e-02
	495	-1.0518e-01	0.0000e+00	-4.0414e-02	5.3301e-01	1.9014e-01	2.1272e-02
	269	-1.0518e-01	-2.3497e-02	4.2339e-02	-3.3623e-01	-7.8926e-04	-9.8244e-02
297	267	-1.8266e-02	-1.2364e-02	6.0638e-02	-1.2406e-01	-2.4466e-02	-1.1238e-01
	271	-1.8266e-02	1.4074e-16	4.3142e-02	3.3662e-02	-1.5355e-02	-6.6719e-02
	272	-2.6127e-02	1.4074e-16	-3.0814e-03	5.6879e-03	2.6765e-02	-7.6239e-02
	268	-2.6127e-02	-1.2364e-02	1.4414e-02	-3.6874e-02	6.5236e-02	-1.2189e-01
298	266	-2.0738e-01	-1.3250e-02	7.9303e-03	-9.4939e-02	-1.7777e-02	-5.8290e-02
	494	-2.0738e-01	-1.4074e-16	9.7408e-02	-5.3967e-03	-3.4556e-03	-6.5959e-02
	271	-1.8266e-02	-1.4074e-16	1.2301e-01	2.6067e-02	1.1274e-02	-6.9366e-02
	267	-1.8266e-02	-1.3250e-02	3.3532e-02	-1.3635e-01	3.6103e-02	-6.1697e-02
299	231	-9.4771e-02	-2.8353e-02	1.2373e-02	-4.2213e-01	-8.7797e-02	5.3732e-02
	268	-9.4771e-02	-2.3497e-02	6.6474e-02	-3.2871e-01	2.9151e-02	-1.3395e-01
	269	-1.1246e-01	-2.3497e-02	2.1559e-02	5.1609e-03	2.8253e-02	-1.4528e-01
	237	-1.1246e-01	-2.8353e-02	-3.2542e-02	-9.9942e-01	1.8013e-01	4.2406e-02
300	229	-4.6216e-02	3.2490e-02	4.4517e-02	-3.9759e-01	-5.0230e-02	-4.6452e-02
	267	-4.6216e-02	-1.2364e-02	3.9236e-02	-2.1103e-01	1.0178e-01	-1.0472e-01
	268	-9.4771e-02	-1.2364e-02	5.6802e-02	-3.6741e-01	-1.1943e-02	-1.5040e-01
	231	-9.4771e-02	3.2490e-02	6.2083e-02	-3.1678e-01	2.8094e-01	-9.2130e-02
301	228	1.4048e-03	-4.5836e-02	2.2265e-02	-1.9707e-01	-3.4320e-02	4.6972e-02
	266	1.4048e-03	-1.3250e-02	-1.2000e-02	-2.5083e-01	7.4665e-03	-4.8420e-02
	267	-4.6216e-02	-1.3250e-02	1.2131e-02	-2.0028e-01	3.8883e-02	-7.1725e-02
	229	-4.6216e-02	-4.5836e-02	4.6396e-02	-3.7134e-01	1.5254e-01	2.3667e-02
302	232	-4.0565e-02	0.0000e+00	2.0845e-01	-7.6846e-01	1.1058e+00	1.0617e+00
	231	-4.0565e-02	-2.8353e-02	5.0296e-02	-1.0714e+00	-9.5273e-02	1.6713e-01
	237	-3.0318e-01	-2.8353e-02	-7.6710e-02	3.3417e-01	2.4517e-01	2.2422e-01
	16	-3.0318e-01	0.0000e+00	8.1443e-02	-3.3343e+00	-1.1320e+00	1.1188e+00
303	230	-1.9953e-02	1.6243e-30	-7.7983e-02	-3.0169e-01	2.3748e-01	4.1164e-01
	229	-1.9953e-02	3.2490e-02	-3.4989e-02	-5.6978e-01	2.3535e-01	6.0349e-02
	231	-4.0565e-02	3.2490e-02	1.0001e-01	-9.7171e-01	-2.3651e-02	1.1062e-01
	232	-4.0565e-02	-1.1471e-30	5.7012e-02	-3.5537e-01	-1.8081e-01	4.6191e-01
304	15	9.6938e-02	0.0000e+00	6.2073e-02	1.4191e-01	2.1806e-01	3.5416e-01
	228	9.6938e-02	-4.5836e-02	1.4306e-01	-4.8415e-01	-4.3941e-03	1.2424e-01
	229	-1.9953e-02	-4.5836e-02	-3.3110e-02	-4.4721e-01	1.0772e-01	1.4636e-01
	230	-1.9953e-02	0.0000e+00	-1.1410e-01	-1.9323e-01	-1.8296e-01	3.7629e-01
305	224	1.6316e-02	-4.5908e-03	1.2005e-02	9.9775e-02	-1.1790e-01	-4.7147e-01
	227	1.6316e-02	2.3587e-16	-6.3223e-02	2.4062e-01	-4.3486e-01	2.2446e-01
	493	-9.0763e-02	1.1790e-16	-6.0567e-02	2.2752e+00	3.3505e-01	1.3801e-01
	225	-9.0763e-02	-4.5908e-03	1.4661e-02	-3.2358e-01	1.6746e-01	-5.5792e-01
306	223	-1.3256e-03	-5.8327e-03	-7.8795e-03	8.7306e-01	-2.2508e-01	-2.2829e-01
	226	-1.3256e-03	-2.8997e-17	-1.5168e-02	8.1875e-02	7.7080e-02	-5.7964e-01
	227	1.6316e-02	-5.7961e-17	-2.4262e-02	1.0051e-01	-1.0920e-01	-4.0532e-01
	224	1.6316e-02	-5.8327e-03	-1.6974e-02	4.0986e-02	-1.0821e-01	-5.3968e-02
307	222	1.4489e-02	8.0674e-04	-3.1491e-02	6.4744e-01	5.7138e-01	6.4262e-01
	492	1.4489e-02	2.2982e-17	-3.4337e-03	8.1461e+00	1.3143e+00	-2.0678e+00
	226	-1.3256e-03	3.1048e-17	8.6577e-03	9.0896e-01	-1.5576e+00	-2.2935e+00
	223	-1.3256e-03	8.0674e-04	-1.9399e-02	1.6095e+00	-4.2486e-01	4.1697e-01
308	219	-2.7621e-02	7.6988e-03	-8.8910e-02	-1.7733e+00	1.5232e-01	-1.7534e-01
	224	-2.7621e-02	-4.5908e-03	6.6403e-03	-3.5709e-01	9.9097e-02	-3.9962e-01
	225	-3.1553e-02	-4.5908e-03	3.8858e-02	-5.1485e-01	-1.5964e-01	-7.5355e-01
	221	-3.1553e-02	7.6988e-03	-5.6692e-02	-2.1348e+00	3.9863e-01	-5.2927e-01
309	217	-1.1798e-02	2.6881e-02	-2.7948e-02	-1.0720e+00	7.9627e-01	8.4644e-01
	223	-1.1798e-02	-5.8327e-03	-1.9148e-02	-1.2728e-01	-1.5525e-01	5.4591e-01
	224	-2.7621e-02	-5.8327e-03	-2.2339e-02	-5.7840e-01	6.2959e-02	-3.6779e-01
	219	-2.7621e-02	2.6881e-02	-3.1139e-02	-1.3167e+00	6.9007e-01	-6.7253e-02
310	216	-3.1032e-02	-7.4484e-03	6.0634e-03	-1.4538e+00	4.4873e-01	1.3010e+00
	222	-3.1032e-02	8.0674e-04	-1.1719e-02	7.8342e-01	-3.3265e-01	1.1536e+00

	223	-1.1798e-02	8.0674e-04	-3.0668e-02	3.7959e-01	2.1040e-01	7.1685e-01
	217	-1.1798e-02	-7.4484e-03	-1.2885e-02	-1.3910e+00	1.8370e-01	8.6415e-01
311	220	-1.7721e-04	-3.7200e-16	1.8106e-01	-1.2088e+00	1.8144e+00	3.1334e+00
	219	-1.7721e-04	7.6988e-03	-1.7297e-02	-3.0168e+00	8.5510e-01	5.3904e-02
	221	1.9795e-01	7.6988e-03	-2.1287e-01	-1.6915e+00	-6.0535e-01	3.0081e-02
	10	1.9795e-01	2.0727e-17	-1.4510e-02	-9.6636e+00	-1.5235e+00	3.1096e+00
312	218	5.8921e-03	-5.5041e-17	-2.5240e-02	-4.3701e-01	1.1694e-01	1.5007e-01
	217	5.8921e-03	2.6881e-02	-3.7671e-02	-1.8720e+00	8.1089e-01	4.0206e-02
	219	-1.7721e-04	2.6881e-02	4.0474e-02	-2.1297e+00	7.8077e-01	8.6432e-01
	220	-1.7721e-04	1.0710e-16	5.2905e-02	-4.3374e-01	5.0864e-02	9.7418e-01
313	9	-8.3536e-02	4.0248e-17	-1.8270e-02	-8.5177e+00	-1.3055e+00	-1.8479e+00
	216	-8.3536e-02	-7.4484e-03	4.7137e-03	-1.2070e+00	-5.2204e-01	7.8241e-01
	217	5.8921e-03	-7.4484e-03	-2.2608e-02	-2.5624e+00	8.3937e-01	7.9841e-01
	218	5.8921e-03	9.7109e-17	-4.5592e-02	-1.0728e+00	1.5952e+00	-1.8319e+00
314	210	-5.1524e-02	-4.6716e-02	-5.0909e-02	2.5886e-02	3.2295e-01	3.1838e-01
	215	-5.1524e-02	-5.1609e-16	-2.1978e-01	1.5396e+00	-2.7943e+00	2.6355e+00
	479	-2.2744e-01	-1.4661e-16	-7.6147e-02	8.6749e+00	2.8550e+00	2.7066e+00
	211	-2.2744e-01	-4.6716e-02	9.2728e-02	-3.9707e+00	-4.7204e-01	3.8943e-01
315	209	-5.8857e-02	7.0495e-03	8.7150e-02	-1.0933e+00	-5.3023e-01	1.7097e-01
	212	-5.8857e-02	-2.0458e-16	7.0037e-02	5.6040e-01	-3.6193e-01	7.9738e-01
	215	-5.1524e-02	1.7385e-16	-8.4108e-02	4.9034e-01	2.8456e-01	9.3575e-01
	210	-5.1524e-02	7.0495e-03	-6.6995e-02	-1.7473e-01	4.4269e-02	3.0933e-01
316	208	-3.5020e-01	-4.1730e-02	-6.0451e-02	-2.4353e+00	-2.0938e-01	3.7815e-01
	478	-3.5020e-01	1.7906e-16	1.1301e-01	2.2066e+00	5.0211e-01	6.6915e-02
	212	-5.8857e-02	4.3202e-16	2.3624e-01	6.9283e-01	-5.3509e-01	1.8985e-01
	209	-5.8857e-02	-4.1730e-02	6.2776e-02	-1.3431e+00	-1.8665e-01	5.0109e-01
317	205	-1.3976e-01	-4.0251e-03	-1.4908e-02	-5.5534e+00	4.8844e-01	2.0124e-01
	210	-1.3976e-01	-4.6716e-02	1.3510e-02	-3.6616e+00	4.3012e-01	7.3097e-02
	211	-8.8666e-02	-4.6716e-02	2.2791e-02	-1.1471e+00	-2.2326e-01	-2.5437e-01
	207	-8.8666e-02	-4.0251e-03	-5.6270e-03	-8.2415e+00	6.8542e-01	-1.2623e-01
318	203	-1.4959e-01	-8.8726e-02	3.1197e-02	-6.7738e+00	1.5244e-01	-1.6231e-01
	209	-1.4959e-01	7.0495e-03	3.8295e-02	-3.0190e+00	1.5617e-01	2.1411e-01
	210	-1.3976e-01	7.0495e-03	-2.5755e-03	-3.9454e+00	-4.2142e-01	-1.6067e-01
	205	-1.3976e-01	-8.8726e-02	-9.6731e-03	-5.3375e+00	6.8904e-01	-5.3709e-01
319	202	-1.3458e-01	-1.1779e-02	-1.4438e-02	-6.8114e+00	7.7331e-02	3.0316e-01
	208	-1.3458e-01	-4.1730e-02	-1.3749e-02	-3.1293e+00	-1.9666e-01	3.2690e-01
	209	-1.4959e-01	-4.1730e-02	1.3920e-02	-2.8430e+00	-1.8638e-01	3.4906e-01
	203	-1.4959e-01	-1.1779e-02	1.3231e-02	-7.0656e+00	-5.2579e-01	3.2532e-01
320	206	-3.1130e-02	1.2815e-16	6.1359e-02	-5.8475e+00	4.9306e+00	3.2885e+00
	205	-3.1130e-02	-4.0251e-03	-2.2660e-02	-1.2015e+01	-1.6402e-01	-8.9208e-02
	207	-4.1552e-01	-4.0251e-03	1.4937e-01	-3.0997e+00	1.4526e+00	2.8601e-01
	6	-4.1552e-01	4.7356e-16	2.3339e-01	-1.9338e+01	-4.7501e+00	3.6637e+00
321	204	-7.9756e-02	-2.4645e-17	9.0738e-03	-1.3764e+01	-2.9795e+00	-2.4547e+00
	203	-7.9756e-02	-8.8726e-02	1.0139e-02	-6.3496e+00	7.5895e-01	-3.8756e-01
	205	-3.1130e-02	-8.8726e-02	-1.7425e-02	-1.2147e+01	2.0163e-01	-1.2289e-01
	206	-3.1130e-02	3.6901e-17	-1.8490e-02	-5.1672e+00	3.1585e+00	-2.1900e+00
322	5	-3.4774e-01	-2.2860e-16	-1.1694e-01	-1.3044e+01	1.9726e-01	-1.6691e-01
	202	-3.4774e-01	-1.1779e-02	-1.3263e-01	-8.3456e+00	-4.1652e-01	3.7489e-02
	203	-7.9756e-02	-1.1779e-02	-7.8274e-03	-6.4368e+00	1.4638e-01	-9.1691e-03
	204	-7.9756e-02	2.2131e-17	7.8576e-03	-1.4676e+01	-3.2961e-01	-2.1357e-01
323	198	-6.1907e-02	-4.7165e-02	-4.9496e-02	-9.7904e-01	-4.5326e-01	4.2927e-01
	201	-6.1907e-02	-1.6969e-16	-2.3669e-01	-1.8100e+00	3.1389e+00	-2.2293e+00
	475	-3.3415e-01	-1.9065e-16	-1.1517e-01	-9.7632e+00	-3.2354e+00	-2.2462e+00
	199	-3.3415e-01	-4.7165e-02	7.2017e-02	3.3731e+00	4.0682e-01	4.1232e-01
324	197	-5.6324e-02	2.7382e-03	8.2265e-02	4.1456e-01	2.6451e-01	3.6403e-01
	200	-5.6324e-02	0.0000e+00	8.5193e-02	-6.0077e-01	4.1938e-01	-4.6620e-01
	201	-6.1907e-02	1.5499e-30	-6.9676e-02	-5.6554e-01	-4.6082e-01	-4.1544e-01

	198	-6.1907e-02	2.7382e-03	-7.2605e-02	-7.4525e-01	-4.5585e-01	4.1479e-01
325	196	-3.0060e-01	-4.5734e-02	-6.7744e-02	1.2782e+00	1.0655e-03	-9.8053e-02
	474	-3.0060e-01	0.0000e+00	1.0994e-01	-1.0220e+00	-9.6796e-02	-1.5499e-01
	200	-5.6324e-02	0.0000e+00	2.3942e-01	-5.6529e-01	5.9703e-02	-1.4173e-01
	197	-5.6324e-02	-4.5734e-02	6.1735e-02	7.4435e-01	-7.7303e-02	-8.4798e-02
326	191	-1.7016e-01	5.6365e-03	-1.5191e-02	4.1083e+00	8.5806e-02	4.0214e-01
	198	-1.7016e-01	-4.7165e-02	7.9208e-03	2.5017e+00	-6.9501e-01	8.7065e-01
	199	-1.4368e-01	-4.7165e-02	2.3384e-02	-3.9226e-01	2.8415e-01	1.1512e+00
	193	-1.4368e-01	5.6365e-03	2.7139e-04	7.6369e+00	-1.3251e+00	6.8269e-01
327	189	-1.4915e-01	-1.2184e-01	2.9565e-02	3.9281e+00	-9.1370e-01	4.0062e-01
	197	-1.4915e-01	2.7382e-03	2.5036e-02	2.5272e+00	-8.1006e-01	4.0552e-01
	198	-1.7016e-01	2.7382e-03	-1.5188e-02	3.0252e+00	9.0603e-02	1.0915e+00
	191	-1.7016e-01	-1.2184e-01	-1.0659e-02	3.4367e+00	-1.8315e+00	1.0866e+00
328	188	-9.2175e-02	-2.1364e-03	-1.8129e-03	5.4474e+00	-7.8524e-01	2.2339e-01
	196	-9.2175e-02	-4.5734e-02	-2.2320e-02	1.7495e+00	-2.3504e-01	-2.2131e-01
	197	-1.4915e-01	-4.5734e-02	4.5065e-03	2.3424e+00	-1.3465e-01	8.7723e-02
	189	-1.4915e-01	-2.1364e-03	2.5014e-02	4.2522e+00	-4.9702e-01	5.3242e-01
329	192	-3.8933e-02	4.9472e-17	4.1451e-02	5.9302e+00	-7.0076e+00	-5.4691e+00
	191	-3.8933e-02	5.6365e-03	-4.5297e-02	9.5465e+00	1.0666e-01	1.0022e-01
	193	-5.2691e-01	5.6365e-03	1.9976e-01	-6.1793e-01	-1.4831e+00	-3.2161e-01
	8	-5.2691e-01	3.1831e-16	2.8651e-01	2.3639e+01	6.8769e+00	-5.8910e+00
330	190	-3.4402e-02	-1.1618e-30	2.9965e-02	3.4656e+00	-7.3896e-01	-1.2909e-01
	189	-3.4402e-02	-1.2184e-01	4.3324e-02	8.0988e+00	-1.6989e+00	7.2647e-01
	191	-3.8933e-02	-1.2184e-01	-4.0764e-02	9.2897e+00	-9.6346e-01	1.7777e-02
	192	-3.8933e-02	1.2863e-31	-5.4123e-02	3.4336e+00	1.6942e-01	-8.3778e-01
331	7	-4.1682e-01	-6.3328e-30	-2.5096e-01	1.4643e+01	3.6449e+00	3.3610e+00
	188	-4.1682e-01	-2.1364e-03	-1.6508e-01	1.5217e+00	-1.0571e+00	5.9444e-01
	189	-3.4402e-02	-2.1364e-03	3.8772e-02	7.7726e+00	-2.8951e-01	2.0344e-01
	190	-3.4402e-02	-1.1886e-30	-4.7104e-02	4.6451e+00	-3.8369e+00	2.9700e+00
766	166	-1.9729e-01	-2.2762e-16	1.1868e-01	8.6928e+01	2.0114e+00	1.1365e+00
	169	-1.9729e-01	-1.4273e-16	1.4783e-01	-2.1033e+02	-4.2111e+01	2.9144e+01
	170	-1.0651e-01	-1.6035e-16	-1.7615e-02	-8.2561e+01	4.2355e+01	2.9314e+01
	167	-1.0651e-01	1.3136e-16	-4.6764e-02	-1.7234e+00	-2.2554e+00	1.3069e+00
767	164	-7.0760e-02	-9.9695e-17	1.2970e-02	3.5101e+00	1.8368e+00	1.1354e+00
	166	-7.0760e-02	-1.2439e-16	2.8060e-02	2.2320e+01	-5.7532e+00	3.8708e+00
	167	-2.3543e-01	-1.0021e-16	-3.6473e-02	4.2626e+01	5.7052e+00	3.8373e+00
	165	-2.3543e-01	-7.3534e-17	-5.1563e-02	-1.2975e+01	-1.7888e+00	1.1019e+00
768	3	-1.3886e-01	-1.7948e-17	2.0624e-02	9.0479e+00	1.1501e+00	7.4403e-01
	164	-1.3886e-01	-4.1989e-17	2.7683e-04	-1.9194e+01	-2.1478e+00	1.4408e+00
	165	-1.7578e-01	-4.4994e-17	-9.2864e-03	-1.0600e+01	2.1738e+00	1.4590e+00
	2	-1.7578e-01	-3.7122e-17	1.1060e-02	1.4274e+00	-1.1761e+00	7.6218e-01
769	128	-2.8383e-01	1.2295e-16	9.7553e-02	-8.6850e+01	-1.7981e+00	-1.5242e+00
	162	-2.8383e-01	0.0000e+00	1.0808e-01	2.0913e+02	4.1463e+01	-2.9228e+01
	163	-1.7085e-02	-1.7839e-17	-4.0113e-02	8.3670e+01	-4.1708e+01	-2.9399e+01
	129	-1.7085e-02	1.4518e-16	-5.0644e-02	-8.4746e-02	2.0432e+00	-1.6954e+00
770	124	-1.7916e-01	-1.6321e-17	2.1763e-02	-3.2751e+00	-1.9352e+00	-1.4991e+00
	128	-1.7916e-01	2.8147e-16	3.1831e-02	-2.3049e+01	5.6619e+00	-4.1019e+00
	129	-1.1920e-01	2.7003e-16	-2.0749e-02	-4.3276e+01	-5.6126e+00	-4.0675e+00
	125	-1.1920e-01	4.0803e-18	-3.0817e-02	1.3317e+01	1.8859e+00	-1.4647e+00
771	4	-1.9531e-01	-7.3915e-18	1.0774e-02	-9.6443e+00	-1.3346e+00	-9.9141e-01
	124	-1.9531e-01	7.0369e-17	2.4018e-03	1.8753e+01	2.3587e+00	-1.7066e+00
	125	-1.0852e-01	6.6815e-17	-5.3406e-03	9.1843e+00	-2.3836e+00	-1.7241e+00
	54	-1.0852e-01	1.8479e-18	3.0321e-03	-1.0748e+00	1.3596e+00	-1.0088e+00
772	119	-3.3635e-01	1.8998e-16	1.3005e-01	5.0721e+01	-8.0472e+00	-9.8747e+00
	122	-3.3635e-01	2.5942e-16	1.4695e-01	-1.3223e+02	-1.3703e+01	1.6090e+01
	123	5.4095e-02	2.6013e-17	-6.0757e-02	-1.5686e+01	2.0054e+01	2.3671e+01
	121	5.4095e-02	8.5729e-19	-7.7659e-02	-3.8343e+00	1.6966e+00	-2.2936e+00

773	117	-1.6553e-01	1.8366e-17	1.8021e-02	4.9296e-01	1.1422e+00	1.2160e+00
	119	-1.6553e-01	1.9341e-16	3.2158e-02	1.7181e+01	2.1780e+00	-2.7474e+00
	121	-6.6125e-02	1.1155e-16	-2.8189e-02	2.1168e+00	-2.5923e+00	-3.2420e+00
	118	-6.6125e-02	3.5867e-17	-4.2326e-02	6.0943e+00	-7.2780e-01	7.2137e-01
774	72	-1.5203e-01	2.4784e-17	2.0019e-02	5.1421e+00	-6.7129e-01	-8.6061e-01
	117	-1.5203e-01	5.6280e-17	1.1621e-02	-1.1063e+01	-9.4060e-02	5.3027e-02
	118	-1.0078e-01	3.9837e-17	-2.1559e-02	-7.6402e+00	9.9857e-01	1.1328e+00
	73	-1.0078e-01	-3.4762e-17	-1.3161e-02	3.9008e+00	-2.3323e-01	2.1916e-01
775	113	2.3522e-02	-4.4253e-17	1.4349e-02	-5.8360e+00	-1.1315e+00	-8.3621e-01
	115	2.3522e-02	-2.9031e-02	2.2213e-02	6.5705e+00	7.5939e-01	-1.2144e+00
	116	-1.7684e-02	-2.9031e-02	1.2246e-02	6.5778e-01	-7.2603e-01	-1.1637e+00
	114	-1.7684e-02	-5.4800e-18	4.3821e-03	-4.2912e-01	1.0130e+00	-7.8543e-01
776	111	1.8250e-02	4.5317e-17	5.3112e-03	-4.4622e+00	-9.9190e-01	-7.0702e-01
	113	1.8250e-02	7.4564e-17	9.9181e-03	4.7119e+00	1.2453e+00	-8.7647e-01
	114	-4.4124e-02	9.8772e-17	-9.3820e-03	-2.5393e-01	-1.1782e+00	-8.3157e-01
	112	-4.4124e-02	-3.1021e-18	-1.3989e-02	2.7703e-01	9.2477e-01	-6.6213e-01
777	70	-1.7150e-02	-1.6938e-17	4.3724e-03	-3.7438e+00	-8.8472e-01	-6.0921e-01
	111	-1.7150e-02	3.2909e-17	2.3570e-03	3.7955e+00	1.0364e+00	-7.1065e-01
	112	-4.2892e-02	2.6785e-17	-8.5306e-03	-4.5149e-01	-9.8420e-01	-6.7574e-01
	71	-4.2892e-02	-2.0975e-18	-6.5153e-03	3.6748e-01	8.3252e-01	-5.7431e-01
778	107	-1.3568e-02	3.4638e-17	1.1153e-02	-2.0146e-01	2.6911e-01	3.4370e-02
	109	-1.3568e-02	1.4370e-02	1.5451e-02	3.9099e-01	2.0319e-01	1.7448e-01
	110	-3.0783e-02	1.4370e-02	-1.3570e-02	1.5712e+00	-5.7252e-01	1.7456e-01
	108	-3.0783e-02	-8.6596e-18	-1.7867e-02	-1.2477e+00	-6.3877e-01	3.4449e-02
779	105	-3.5159e-02	2.6357e-17	-1.3685e-03	-8.5878e-02	3.3812e-01	1.1798e-01
	107	-3.5159e-02	0.0000e+00	1.9371e-04	6.4297e-01	-2.7009e-01	8.5453e-02
	108	-5.1555e-02	2.9118e-17	-1.5431e-02	1.5614e+00	4.7901e-01	1.8534e-01
	106	-5.1555e-02	1.3415e-16	-1.6993e-02	-1.0354e+00	-5.4704e-01	2.1787e-01
780	68	-4.3866e-02	9.1989e-17	-2.8232e-03	6.4767e-02	2.2472e-01	8.9885e-02
	105	-4.3866e-02	0.0000e+00	-4.9339e-03	1.3883e-01	-3.6473e-01	1.5683e-01
	106	-5.5284e-02	1.9456e-17	-1.2451e-02	9.6998e-01	4.7444e-01	2.0928e-01
	69	-5.5284e-02	-5.4050e-18	-1.0341e-02	-7.0237e-01	-3.3442e-01	1.4234e-01
781	101	-3.2782e-02	3.9266e-32	5.5983e-02	-2.9203e-01	-3.3328e-01	-5.4299e-01
	103	-3.2782e-02	-3.8374e-02	6.1405e-02	1.3349e+00	-8.6537e-01	3.5261e-01
	104	4.8620e-02	-3.8374e-02	-1.1308e-01	3.3840e+00	1.5170e+00	5.4777e-01
	102	4.8620e-02	-8.4142e-33	-1.1850e-01	-1.1433e+00	4.0124e-01	-3.4784e-01
782	99	-5.6590e-02	1.4074e-16	5.5833e-02	-4.5100e-01	-1.7056e-01	-1.5775e-01
	101	-5.6590e-02	0.0000e+00	5.2020e-02	3.0300e-01	3.9986e-01	-3.1109e-01
	102	-2.2805e-02	-2.0912e-31	-1.0336e-01	-1.0938e+00	-4.0825e-01	-3.1670e-01
	100	-2.2805e-02	1.4074e-16	-9.9551e-02	7.4074e-01	1.7895e-01	-1.6336e-01
783	66	-6.2586e-02	1.1493e-32	3.9920e-02	-4.9081e-01	-1.8654e-02	-3.0033e-02
	99	-6.2586e-02	1.4074e-16	3.7885e-02	6.5752e-01	2.3462e-01	-1.7446e-01
	100	-4.7635e-02	1.4074e-16	-6.4701e-02	1.5516e-02	-2.2526e-01	-1.6820e-01
	67	-4.7635e-02	-2.4629e-33	-6.2666e-02	-4.1979e-02	9.2885e-03	-2.3769e-02
784	95	6.0878e-03	-2.8531e-32	1.0216e-02	1.0739e+00	2.9957e-01	-1.5568e-02
	97	6.0878e-03	0.0000e+00	1.1860e-02	5.6029e-01	-4.5920e-01	1.1912e-01
	98	-3.5165e-02	-6.8735e-32	-2.8839e-02	3.0079e+00	3.5611e-01	3.2131e-02
	96	-3.5165e-02	1.4265e-32	-3.0483e-02	-1.1464e+00	-1.9648e-01	-1.0255e-01
785	93	-1.6812e-02	-7.0369e-17	1.5311e-02	5.1395e-01	7.8831e-02	-8.0926e-02
	95	-1.6812e-02	0.0000e+00	8.9685e-03	8.7139e-01	-2.4537e-01	5.9592e-02
	96	-3.9318e-02	-4.8458e-32	-1.3651e-02	1.8904e+00	1.7413e-01	-5.1522e-04
	94	-3.9318e-02	-7.0369e-17	-7.3080e-03	-2.6792e-01	-7.5927e-03	-1.4103e-01
786	63	-1.8531e-02	-1.7251e-32	3.1433e-04	7.3111e-01	2.1258e-01	1.2011e-01
	93	-1.8531e-02	-7.0369e-17	6.9510e-03	3.0786e-02	1.5268e-02	-7.2139e-02
	94	-4.1347e-02	-7.0369e-17	-5.1186e-03	5.7059e-01	-1.5364e-02	-7.2220e-02
	62	-4.1347e-02	8.6257e-33	-1.1755e-02	-1.3311e-01	-2.1249e-01	1.2003e-01
787	88	-7.4665e-02	-3.5142e-17	1.3651e-02	-2.7219e+01	2.9559e-01	8.4522e-02

	90	-7.4665e-02	-3.6448e-17	6.5568e-03	4.0041e+01	3.5924e+00	-4.5568e+00
	92	2.4080e-02	3.9868e-17	-2.0501e-02	-2.8740e+00	-5.5410e+00	-6.8829e+00
	89	2.4080e-02	-6.8943e-17	-1.3407e-02	4.6144e+00	1.6530e+00	-2.2416e+00
	788	86	-6.2734e-02	-9.0193e-17	1.1134e-02	-1.2415e+01	-5.0146e-01
	88	-6.2734e-02	4.0930e-17	7.5896e-03	1.3239e+01	1.0005e+00	-1.3418e+00
	89	2.7297e-02	5.4800e-17	3.5701e-03	-2.9164e+00	-1.6661e+00	-2.1364e+00
	87	2.7297e-02	8.0439e-19	7.1141e-03	2.3187e+00	1.1671e+00	-1.5407e+00
	789	65	-4.0312e-02	1.7920e-17	8.5778e-03	-8.8640e+00	-1.8724e-01
	86	-4.0312e-02	-1.6607e-17	1.1180e-02	1.0716e+01	7.2190e-01	-9.2102e-01
	87	-8.8513e-03	9.4750e-17	8.6664e-03	-6.7975e-01	-1.3052e+00	-1.6173e+00
	64	-8.8513e-03	3.5885e-17	6.0639e-03	1.0079e+00	7.7053e-01	-9.7907e-01
	790	82	-1.4694e-01	1.4074e-16	1.0366e-01	1.1672e+01	-8.8876e-01
	84	-1.4694e-01	0.0000e+00	1.9499e-01	-3.3559e+01	-7.3428e+00	4.8601e+00
	85	-5.7349e-01	0.0000e+00	-2.7379e-01	-1.3709e+01	7.3807e+00	4.8866e+00
	83	-5.7349e-01	1.4074e-16	-3.6512e-01	-1.4721e-01	8.5082e-01	-8.6258e-01
	791	80	-4.0807e-01	1.4074e-16	1.2710e-01	-2.9154e+00	-8.2185e-01
	82	-4.0807e-01	1.4074e-16	3.8159e-02	8.3985e+00	2.1093e-01	-2.9476e-01
	83	-2.2679e-01	1.4074e-16	-8.0745e-02	6.1499e+00	-2.2225e-01	-3.0266e-01
	81	-2.2679e-01	1.4074e-16	8.1953e-03	-7.0742e-02	8.3317e-01	-7.2935e-01
	792	59	-2.6530e-01	7.0369e-17	-3.7833e-02	-2.4105e+00	-7.0125e-01
	80	-2.6530e-01	1.4074e-16	1.4496e-02	8.4793e-01	8.5253e-01	-6.5469e-01
	81	-3.5751e-01	1.4074e-16	3.0291e-02	-3.0140e+00	-8.5184e-01	-6.5421e-01
	57	-3.5751e-01	7.0369e-17	-2.2038e-02	1.3038e+00	7.0057e-01	-5.4856e-01
	793	76	-3.5213e-01	-1.2873e-16	1.3211e-01	1.8465e+02	-4.3763e+00
	78	-3.5213e-01	2.8147e-16	1.2984e-01	-4.5623e+02	-1.0901e+02	7.5869e+01
	79	-7.9293e-03	2.6575e-16	-1.3832e-02	-1.4450e+02	1.0951e+02	7.6216e+01
	77	-7.9293e-03	-1.4374e-16	-1.1565e-02	-1.6461e+01	3.8801e+00	-2.9783e+00
	794	74	-1.4970e-01	-1.5039e-16	-1.5169e-03	-5.2934e+00	-7.3610e-01
	76	-1.4970e-01	0.0000e+00	3.3714e-02	6.2218e+01	-5.8757e+00	3.9564e+00
	77	-2.3062e-01	-2.6315e-17	-2.7790e-02	7.7728e+01	5.7727e+00	3.8844e+00
	75	-2.3062e-01	-1.3833e-16	-6.3021e-02	-1.4353e+01	8.3909e-01	-7.3349e-01
	795	55	-2.0708e-01	-7.3983e-17	3.3292e-02	1.0287e+01	-1.2609e+00
	74	-2.0708e-01	0.0000e+00	6.8149e-05	-3.0042e+01	2.4052e-01	-2.2725e-01
	75	-1.8009e-01	-1.6341e-17	-1.4130e-02	-3.3068e+01	-1.8393e-01	-1.8772e-01
	56	-1.8009e-01	-6.9465e-17	1.9094e-02	1.4309e+01	1.2043e+00	-9.0041e-01
	796	503	-1.9113e-01	-3.1917e-17	-6.3512e-02	1.0982e+01	5.9611e-01
	72	-1.9113e-01	6.1656e-17	-4.9940e-02	-5.0632e+00	7.6513e-01	-7.9261e-01
	73	-1.5349e-01	8.0564e-17	4.5320e-02	-2.6919e+00	2.7910e-02	1.2818e-01
	504	-1.5349e-01	1.9309e-17	3.1749e-02	4.9402e+00	-1.3892e+00	1.7087e+00
	797	496	-4.8312e-02	-8.4713e-17	-4.5961e-03	-3.6997e+00	-7.6623e-01
	70	-4.8312e-02	4.5040e-17	-5.1869e-03	3.6668e+00	9.9975e-01	-6.2192e-01
	71	-4.0179e-02	3.6076e-17	2.5367e-03	4.7860e-02	-8.9776e-01	-5.5558e-01
	497	-4.0179e-02	-3.7111e-17	3.1275e-03	-2.7844e-01	6.6424e-01	-4.0368e-01
	798	498	-5.0526e-02	5.6025e-17	-5.3366e-04	-2.0943e-01	1.1987e-01
	68	-5.0526e-02	0.0000e+00	-2.4878e-03	4.7231e-02	-2.0521e-01	1.2381e-01
	69	-5.0872e-02	9.3868e-18	-4.3761e-03	5.1786e-01	2.9829e-01	1.6709e-01
	499	-5.0872e-02	2.9974e-17	-2.4220e-03	-6.4315e-01	-2.1295e-01	1.2741e-01
	799	495	-5.0062e-02	-9.8642e-32	2.5728e-02	-3.8763e-01	-2.6244e-02
	66	-5.0062e-02	0.0000e+00	2.1196e-02	3.2553e-01	7.8423e-02	-2.2634e-02
	67	-8.4073e-02	-1.1011e-31	-3.6567e-02	1.1126e-01	-6.4609e-02	-1.3648e-02
	494	-8.4073e-02	2.1138e-32	-3.2036e-02	-2.1751e-01	1.2430e-02	2.0292e-02
	800	493	-4.3410e-02	4.0636e-18	-1.1207e-02	-8.7340e-01	-6.5675e-01
	64	-4.3410e-02	9.1345e-17	-1.5208e-02	1.0807e+00	8.5045e-01	-8.9169e-01
	65	-2.0123e-02	9.4418e-17	8.2650e-03	-6.7875e+00	-4.7177e-01	-4.5200e-01
	492	-2.0123e-02	-1.7123e-17	1.2266e-02	6.4725e+00	2.7807e-01	-2.2709e-01
	801	500	-3.3336e-02	-1.7592e-17	2.5447e-03	2.7026e+00	-1.7100e-01
	62	-3.3336e-02	0.0000e+00	5.8738e-03	-1.0015e+00	-2.8848e-02	1.1945e-01

	63	-4.7073e-02	0.0000e+00	9.1849e-03	-7.3206e-01	2.1103e-01	2.6895e-01
	501	-4.7073e-02	-1.7592e-17	5.8558e-03	2.7024e+00	-1.1184e-02	1.0495e-01
802	489	-3.4809e-01	0.0000e+00	-1.0868e-01	-2.1192e+00	-3.8938e-01	-1.6875e-01
	57	-3.4809e-01	7.0369e-17	-8.3931e-02	5.1985e-01	8.8672e-01	-5.0661e-01
	59	-3.0463e-01	7.0369e-17	1.0596e-01	-2.6610e+00	-8.8965e-01	-5.0860e-01
	488	-3.0463e-01	0.0000e+00	8.1208e-02	6.0257e-01	3.9231e-01	-1.7073e-01
803	482	-1.3572e-01	-1.0258e-16	-2.9566e-02	3.2425e+00	6.5814e-01	5.4287e-01
	55	-1.3572e-01	0.0000e+00	-2.1758e-03	1.5539e+00	1.4481e+00	-8.8797e-01
	56	-2.7106e-01	-1.7302e-17	4.1288e-02	-1.3186e+00	-1.4818e+00	-9.1084e-01
	483	-2.7106e-01	-6.2316e-17	1.3898e-02	4.1710e+00	-6.2448e-01	5.2000e-01
804	474	-1.7044e-01	-1.3113e-17	-2.2664e-02	-2.9131e+00	-1.1357e+00	-6.7577e-01
	4	-1.7044e-01	7.0369e-17	-2.0381e-02	2.3886e-01	1.6105e+00	-9.9830e-01
	54	-1.5058e-01	6.5500e-17	3.8727e-02	-6.3875e+00	-1.6410e+00	-1.0190e+00
	475	-1.5058e-01	3.2782e-18	3.6444e-02	3.2751e+00	1.1663e+00	-6.9651e-01
805	479	-2.0076e-01	-3.6772e-17	-2.4772e-02	9.4529e-01	1.1367e+00	8.6794e-01
	2	-2.0076e-01	-6.9214e-17	-4.9657e-02	-3.5775e+00	-1.1661e+00	8.8796e-01
	3	-1.3679e-01	3.5681e-17	2.7297e-02	1.7672e+00	1.1737e+00	8.9311e-01
	478	-1.3679e-01	3.2921e-17	5.2182e-02	-4.3722e+00	-1.1442e+00	8.7309e-01
1	12	0.0000e+00	0.0000e+00	0.0000e+00	-3.7483e+00	-6.2299e+00	-1.0611e+01
	17	0.0000e+00	0.0000e+00	0.0000e+00	1.4147e+01	-2.3471e+01	-8.3372e+00
	36	0.0000e+00	0.0000e+00	0.0000e+00	-4.2685e+00	-8.4697e+01	-2.8502e+01
2	36	0.0000e+00	0.0000e+00	0.0000e+00	6.5452e+01	1.1521e+01	1.4852e+01
	12	0.0000e+00	0.0000e+00	0.0000e+00	-6.8355e+00	1.6566e+01	1.4507e+01
	466	0.0000e+00	0.0000e+00	0.0000e+00	6.3845e+00	-3.2359e+01	1.8697e+01
3	17	0.0000e+00	0.0000e+00	0.0000e+00	1.7123e+01	3.2422e+01	-4.2541e+00
	12	0.0000e+00	0.0000e+00	0.0000e+00	-1.8748e+01	2.1834e+01	-1.4851e+01
	19	0.0000e+00	0.0000e+00	0.0000e+00	1.0774e+01	1.9595e+01	-1.6232e+01
4	12	0.0000e+00	0.0000e+00	0.0000e+00	-3.8588e+00	-1.6754e+00	-1.7326e+01
	466	0.0000e+00	0.0000e+00	0.0000e+00	5.0566e+01	-4.8043e-01	-9.5164e+00
	516	0.0000e+00	0.0000e+00	0.0000e+00	4.6922e+01	5.5238e+01	-9.9051e+00
5	19	0.0000e+00	0.0000e+00	0.0000e+00	3.6498e+01	-1.5060e+01	-2.5573e+01
	12	0.0000e+00	0.0000e+00	0.0000e+00	2.0133e+01	-2.9149e+01	-5.7117e+00
	516	0.0000e+00	0.0000e+00	0.0000e+00	4.2647e+01	3.0277e+01	-2.4667e+01
6	346	0.0000e+00	0.0000e+00	0.0000e+00	-1.6233e+01	-2.3901e+01	-6.7028e-01
	335	0.0000e+00	0.0000e+00	0.0000e+00	-1.1009e+01	-3.4637e+01	-2.7600e+00
	16	0.0000e+00	0.0000e+00	0.0000e+00	-1.1252e+01	2.3824e+01	-1.3547e+01
7	16	0.0000e+00	0.0000e+00	0.0000e+00	6.4708e+00	4.1447e+01	7.3496e+00
	346	0.0000e+00	0.0000e+00	0.0000e+00	1.6345e+01	5.1258e+01	-1.0600e+01
	19	0.0000e+00	0.0000e+00	0.0000e+00	3.9285e+00	1.5067e+01	2.0926e+00
8	16	0.0000e+00	0.0000e+00	0.0000e+00	8.0915e+00	-2.4083e+01	-5.0194e+00
	335	0.0000e+00	0.0000e+00	0.0000e+00	-3.6301e+01	-3.5169e+01	1.2166e+01
	463	0.0000e+00	0.0000e+00	0.0000e+00	3.0385e+01	3.1262e+01	-1.7534e+01
9	16	0.0000e+00	0.0000e+00	0.0000e+00	1.8810e+01	-1.5099e+01	8.6380e+00
	19	0.0000e+00	0.0000e+00	0.0000e+00	4.2270e+00	-1.6292e+01	-3.1734e+00
	15	0.0000e+00	0.0000e+00	0.0000e+00	1.9311e+00	-4.6964e+01	5.9839e+00
10	19	0.0000e+00	0.0000e+00	0.0000e+00	8.4789e+00	1.3365e+01	1.9144e+01
	15	0.0000e+00	0.0000e+00	0.0000e+00	3.9934e+01	-4.7087e-01	2.2640e+01
	17	0.0000e+00	0.0000e+00	0.0000e+00	2.8665e+01	1.8877e+01	1.3974e+01
11	15	0.0000e+00	0.0000e+00	0.0000e+00	6.8849e+00	-1.8872e+01	2.1608e+00
	17	0.0000e+00	0.0000e+00	0.0000e+00	-5.5496e+00	-1.1525e+01	2.6328e+01
	35	0.0000e+00	0.0000e+00	0.0000e+00	2.9707e+01	6.9376e+01	1.0552e+01
12	15	0.0000e+00	0.0000e+00	0.0000e+00	-5.6273e+00	-1.7921e+01	-8.1190e+00
	35	0.0000e+00	0.0000e+00	0.0000e+00	7.5497e+01	-2.8534e+01	2.4444e+01
	10	0.0000e+00	0.0000e+00	0.0000e+00	2.6862e+01	-3.9312e+01	-1.5862e+01
13	10	0.0000e+00	0.0000e+00	0.0000e+00	4.5902e+01	4.4900e+01	1.3969e+01

	15	0.0000e+00	0.0000e+00	0.0000e+00	8.6031e+00	4.0775e+01	1.7292e+01
	16	0.0000e+00	0.0000e+00	0.0000e+00	7.5431e+00	1.4071e+01	1.1877e+01
14	10	0.0000e+00	0.0000e+00	0.0000e+00	6.0800e+01	1.7215e+01	-6.7028e+00
	16	0.0000e+00	0.0000e+00	0.0000e+00	2.4330e+01	-2.5408e+01	3.3488e-01
	463	0.0000e+00	0.0000e+00	0.0000e+00	3.4361e+01	2.4533e+01	-1.9495e+01
24	584	0.0000e+00	0.0000e+00	0.0000e+00	2.6555e+01	-3.1448e+00	-5.7155e+01
	511	0.0000e+00	0.0000e+00	0.0000e+00	-9.1789e+00	-6.5362e+01	-2.5239e+01
	32	0.0000e+00	0.0000e+00	0.0000e+00	2.9079e+01	7.8102e+01	-8.8653e+01
25	412	0.0000e+00	0.0000e+00	0.0000e+00	2.7429e+01	-2.6200e+01	-1.6502e+01
	584	0.0000e+00	0.0000e+00	0.0000e+00	4.6466e+01	-8.1208e+00	-2.8549e+01
	511	0.0000e+00	0.0000e+00	0.0000e+00	5.1967e+01	2.7581e+01	-2.5885e+01
26	52	0.0000e+00	0.0000e+00	0.0000e+00	-2.3227e+01	4.7516e+01	-3.6977e+01
	584	0.0000e+00	0.0000e+00	0.0000e+00	-1.2441e+01	6.1877e+01	-4.6663e+01
	32	0.0000e+00	0.0000e+00	0.0000e+00	-9.5872e+00	9.8386e+01	-4.5979e+01
27	412	0.0000e+00	0.0000e+00	0.0000e+00	2.0137e+01	2.3170e+01	2.2839e+01
	52	0.0000e+00	0.0000e+00	0.0000e+00	-5.3556e+01	3.8304e+01	2.0587e+01
	584	0.0000e+00	0.0000e+00	0.0000e+00	-1.4339e+01	3.6667e+01	5.3322e+01
124	52	0.0000e+00	0.0000e+00	0.0000e+00	2.7491e+01	2.1110e+01	-1.4590e+01
	464	0.0000e+00	0.0000e+00	0.0000e+00	-3.8645e+01	-3.1574e+01	-5.5928e+00
	421	0.0000e+00	0.0000e+00	0.0000e+00	-1.8504e+01	-7.8248e+00	-1.6362e+01
	536	0.0000e+00	0.0000e+00	0.0000e+00	1.7852e+01	-1.3370e+01	-2.5560e+01
129	5	0.0000e+00	0.0000e+00	0.0000e+00	2.4555e+01	-5.2581e+01	-3.4745e+01
	586	0.0000e+00	0.0000e+00	0.0000e+00	-5.8664e+01	-7.1036e+01	-6.4183e+01
	535	0.0000e+00	0.0000e+00	0.0000e+00	1.4393e+01	-4.2518e+01	-4.7655e+01
130	535	0.0000e+00	0.0000e+00	0.0000e+00	2.5237e+01	-5.0157e+00	2.4574e+01
	586	0.0000e+00	0.0000e+00	0.0000e+00	-8.1571e+00	-2.3854e+01	9.2173e-01
	28	0.0000e+00	0.0000e+00	0.0000e+00	2.4254e+01	6.0176e+01	2.2646e+01
131	28	0.0000e+00	0.0000e+00	0.0000e+00	4.1619e+01	1.6044e+01	-6.3514e+00
	27	0.0000e+00	0.0000e+00	0.0000e+00	1.6425e+01	1.4634e+01	-1.3187e+01
	534	0.0000e+00	0.0000e+00	0.0000e+00	2.3880e+01	-3.2988e+01	-5.8961e+00
	535	0.0000e+00	0.0000e+00	0.0000e+00	5.0230e+01	-3.1318e+01	-1.6770e+01
132	204	0.0000e+00	0.0000e+00	0.0000e+00	7.2906e+01	-1.6728e+01	-2.6601e-01
	5	0.0000e+00	0.0000e+00	0.0000e+00	5.6667e+01	-4.4730e+01	-9.7656e+00
	535	0.0000e+00	0.0000e+00	0.0000e+00	5.5865e+01	-3.3677e+01	-1.9311e+01
	534	0.0000e+00	0.0000e+00	0.0000e+00	3.4600e+01	-4.4855e+01	-9.1110e+00
133	462	0.0000e+00	0.0000e+00	0.0000e+00	-1.8622e+01	1.3723e+01	-1.8052e+01
	414	0.0000e+00	0.0000e+00	0.0000e+00	-6.0718e-01	-3.1428e+01	-4.2195e+01
	6	0.0000e+00	0.0000e+00	0.0000e+00	-1.7097e+01	1.0185e+02	-3.2812e+01
	533	0.0000e+00	0.0000e+00	0.0000e+00	-2.5495e+01	-2.4294e+00	-1.4087e+00
134	534	0.0000e+00	0.0000e+00	0.0000e+00	-2.1812e+01	1.4519e+00	2.5795e+01
	27	0.0000e+00	0.0000e+00	0.0000e+00	1.3114e+01	1.5718e+01	9.6866e+00
	462	0.0000e+00	0.0000e+00	0.0000e+00	-2.5208e+01	-2.5096e+01	4.2669e+00
	533	0.0000e+00	0.0000e+00	0.0000e+00	-4.6000e+00	7.3467e-01	2.0572e+01
135	204	0.0000e+00	0.0000e+00	0.0000e+00	1.7191e+00	1.2893e+01	2.4416e+01
	534	0.0000e+00	0.0000e+00	0.0000e+00	-3.5451e+01	1.8391e+01	2.1584e+01
	533	0.0000e+00	0.0000e+00	0.0000e+00	-4.4432e+01	3.3780e+01	7.3252e+00
	6	0.0000e+00	0.0000e+00	0.0000e+00	-9.8633e+00	7.0377e+01	1.3493e+01
136	454	0.0000e+00	0.0000e+00	0.0000e+00	5.5524e+00	6.7992e+00	8.8675e+00
	515	0.0000e+00	0.0000e+00	0.0000e+00	3.2490e+00	-2.6872e+01	1.6250e+01
	582	0.0000e+00	0.0000e+00	0.0000e+00	7.6610e+00	-4.7800e-01	-2.1349e+00
137	582	0.0000e+00	0.0000e+00	0.0000e+00	1.3503e+01	1.0438e+00	3.1748e+00
	515	0.0000e+00	0.0000e+00	0.0000e+00	-1.7280e+01	-4.4954e+01	1.2928e+01
	532	0.0000e+00	0.0000e+00	0.0000e+00	7.4946e+00	-1.1897e+01	-2.0613e+01
138	515	0.0000e+00	0.0000e+00	0.0000e+00	4.7542e+01	-6.0551e+01	-2.1584e+01
	516	0.0000e+00	0.0000e+00	0.0000e+00	-1.9112e+01	-6.1398e+01	4.8758e+00

	11	0.0000e+00	0.0000e+00	0.0000e+00	4.3765e+01	7.4094e+00	-1.4901e+01
139	11	0.0000e+00	0.0000e+00	0.0000e+00	-1.0746e+01	-5.1766e+01	-6.5650e+00
	515	0.0000e+00	0.0000e+00	0.0000e+00	3.9105e+01	2.6810e+00	-1.2121e+01
	532	0.0000e+00	0.0000e+00	0.0000e+00	-8.4305e+00	5.4823e+00	1.7612e+01
140	346	0.0000e+00	0.0000e+00	0.0000e+00	-6.3112e+00	3.3735e+01	-1.8214e+00
	11	0.0000e+00	0.0000e+00	0.0000e+00	3.8045e+01	4.1121e+01	1.6961e+01
	19	0.0000e+00	0.0000e+00	0.0000e+00	-2.2288e+00	6.1792e+00	-7.3266e-01
141	11	0.0000e+00	0.0000e+00	0.0000e+00	4.5000e+01	2.0103e+01	5.5294e+00
	516	0.0000e+00	0.0000e+00	0.0000e+00	-4.3977e+01	-7.4554e-01	-8.9227e+00
	19	0.0000e+00	0.0000e+00	0.0000e+00	1.3816e+01	-3.7444e+00	-1.9098e+01
142	514	0.0000e+00	0.0000e+00	0.0000e+00	-1.9558e+00	4.2636e+00	7.7140e+00
	532	0.0000e+00	0.0000e+00	0.0000e+00	1.7496e+01	1.8332e+00	5.4016e+00
	11	0.0000e+00	0.0000e+00	0.0000e+00	2.8755e+01	6.4096e+01	8.0286e+00
	346	0.0000e+00	0.0000e+00	0.0000e+00	-8.9392e+00	4.4668e+01	1.3274e+01
143	463	0.0000e+00	0.0000e+00	0.0000e+00	1.4713e+00	-7.6572e+01	-9.7211e+00
	513	0.0000e+00	0.0000e+00	0.0000e+00	2.4317e+01	-2.5502e+01	1.2872e+01
	530	0.0000e+00	0.0000e+00	0.0000e+00	-2.5972e+01	-6.6990e+00	1.5000e+01
	335	0.0000e+00	0.0000e+00	0.0000e+00	6.3183e+01	3.5838e+01	4.1765e+00
144	514	0.0000e+00	0.0000e+00	0.0000e+00	7.2189e+00	1.3402e+01	2.5253e+00
	346	0.0000e+00	0.0000e+00	0.0000e+00	6.8842e+01	1.2169e+01	8.8190e+00
	335	0.0000e+00	0.0000e+00	0.0000e+00	5.9623e+01	5.8668e+00	9.6724e+00
	530	0.0000e+00	0.0000e+00	0.0000e+00	-3.6900e+01	4.2598e+00	-1.0633e+01
145	531	0.0000e+00	0.0000e+00	0.0000e+00	-2.6076e+01	-1.9904e+01	8.3819e+00
	451	0.0000e+00	0.0000e+00	0.0000e+00	2.0635e+00	-1.0958e+01	1.1291e+01
	454	0.0000e+00	0.0000e+00	0.0000e+00	2.3164e+00	-8.9046e-01	8.4954e+00
	582	0.0000e+00	0.0000e+00	0.0000e+00	1.0582e+01	2.0061e+01	-1.8045e+00
146	514	0.0000e+00	0.0000e+00	0.0000e+00	-1.1065e+01	-6.8838e+00	-9.2274e+00
	531	0.0000e+00	0.0000e+00	0.0000e+00	-3.6919e+01	-1.7188e+01	1.4798e+00
	582	0.0000e+00	0.0000e+00	0.0000e+00	6.5993e+00	2.7908e+01	-1.9537e-01
	532	0.0000e+00	0.0000e+00	0.0000e+00	-1.8771e+01	2.0226e+01	-1.1926e+01
147	450	0.0000e+00	0.0000e+00	0.0000e+00	-3.0817e+00	-3.7977e+00	-2.0234e-01
	451	0.0000e+00	0.0000e+00	0.0000e+00	-5.7417e+00	-9.3698e+00	-3.2793e+00
	531	0.0000e+00	0.0000e+00	0.0000e+00	-1.0271e+01	-3.2767e+01	-1.1201e+01
	469	0.0000e+00	0.0000e+00	0.0000e+00	-3.3286e+00	-1.2463e+01	-1.0964e+01
148	530	0.0000e+00	0.0000e+00	0.0000e+00	-2.3985e+01	-2.8212e+01	-2.0500e+01
	513	0.0000e+00	0.0000e+00	0.0000e+00	-2.5903e+01	-3.2487e+01	-8.4934e+00
	450	0.0000e+00	0.0000e+00	0.0000e+00	-6.6683e+00	-1.0718e+01	-1.7064e+00
	469	0.0000e+00	0.0000e+00	0.0000e+00	-1.9170e+01	-1.4457e+01	-1.5881e+01
149	514	0.0000e+00	0.0000e+00	0.0000e+00	7.8976e+00	-6.4471e+00	-5.9118e-01
	530	0.0000e+00	0.0000e+00	0.0000e+00	-7.3348e+00	-2.9377e+01	-7.7534e+00
	469	0.0000e+00	0.0000e+00	0.0000e+00	-5.4714e+00	-4.1305e+01	-1.7224e+01
	531	0.0000e+00	0.0000e+00	0.0000e+00	-6.9481e+00	-4.0971e+01	-1.1349e+01
150	21	0.0000e+00	0.0000e+00	0.0000e+00	-6.4368e+01	-3.8444e+01	-5.1254e+01
	22	0.0000e+00	0.0000e+00	0.0000e+00	6.4495e+01	1.5062e+01	-3.4844e+01
	30	0.0000e+00	0.0000e+00	0.0000e+00	7.9465e+01	2.9810e+01	-4.8354e-02
151	171	0.0000e+00	0.0000e+00	0.0000e+00	1.0505e+02	-9.6094e+00	-5.7821e+00
	30	0.0000e+00	0.0000e+00	0.0000e+00	-8.8825e+01	-5.4368e+01	-2.6020e+01
	21	0.0000e+00	0.0000e+00	0.0000e+00	9.2536e+01	4.0161e+01	-3.3452e+01
152	171	0.0000e+00	0.0000e+00	0.0000e+00	-7.5195e+00	8.6154e+01	8.4582e+00
	21	0.0000e+00	0.0000e+00	0.0000e+00	4.4964e+01	6.1457e+01	-8.0021e+00
	413	0.0000e+00	0.0000e+00	0.0000e+00	-1.1101e+01	-1.1363e+01	-3.8410e+01
153	413	0.0000e+00	0.0000e+00	0.0000e+00	3.1030e+01	-2.5720e+01	6.6405e+00
	171	0.0000e+00	0.0000e+00	0.0000e+00	-8.6470e+01	-5.1130e+01	9.1740e+00
	398	0.0000e+00	0.0000e+00	0.0000e+00	8.5706e+00	3.4404e-01	-1.2292e+01
154	524	0.0000e+00	0.0000e+00	0.0000e+00	-1.3463e+01	-6.3404e+01	1.6582e+01
	526	0.0000e+00	0.0000e+00	0.0000e+00	1.0760e+02	-5.4982e+01	8.3660e+00

	525	0.0000e+00	0.0000e+00	0.0000e+00	9.5548e+01	1.5524e+01	2.0023e+01
155	524	0.0000e+00	0.0000e+00	0.0000e+00	-4.5805e+01	-6.9711e+01	-6.9898e+00
	525	0.0000e+00	0.0000e+00	0.0000e+00	4.9844e+01	1.3995e+01	-7.6720e+01
	34	0.0000e+00	0.0000e+00	0.0000e+00	-7.9114e+01	3.4358e+00	3.2283e+01
156	23	0.0000e+00	0.0000e+00	0.0000e+00	-1.8385e+01	2.6565e+01	1.6391e+01
	513	0.0000e+00	0.0000e+00	0.0000e+00	3.9239e+01	3.6079e+01	9.8227e+00
	450	0.0000e+00	0.0000e+00	0.0000e+00	1.2331e+01	2.3345e+01	1.9581e+01
157	425	0.0000e+00	0.0000e+00	0.0000e+00	7.4839e+00	1.0057e+00	2.4334e+01
	450	0.0000e+00	0.0000e+00	0.0000e+00	-1.0621e+01	-1.3078e+01	2.2553e+01
	23	0.0000e+00	0.0000e+00	0.0000e+00	-1.1691e+00	-9.2999e+00	1.8054e+01
158	34	0.0000e+00	0.0000e+00	0.0000e+00	1.9539e+01	6.3675e+00	-2.2811e+01
	524	0.0000e+00	0.0000e+00	0.0000e+00	1.0104e+02	-2.3279e+01	-3.5048e+01
	33	0.0000e+00	0.0000e+00	0.0000e+00	9.0332e+01	1.0870e+02	-8.5426e+01
159	33	0.0000e+00	0.0000e+00	0.0000e+00	-2.9356e+01	-1.1095e+02	-7.1786e+00
	34	0.0000e+00	0.0000e+00	0.0000e+00	1.4986e+01	-1.3834e+02	2.1190e+01
	465	0.0000e+00	0.0000e+00	0.0000e+00	1.3914e+01	-5.7174e+01	2.0113e+00
160	33	0.0000e+00	0.0000e+00	0.0000e+00	-5.3664e+01	-1.4650e+02	-1.9194e+01
	465	0.0000e+00	0.0000e+00	0.0000e+00	3.8107e-01	-5.1644e+01	-4.5535e+00
	512	0.0000e+00	0.0000e+00	0.0000e+00	-4.2723e+01	3.3198e+01	3.2342e+01
161	465	0.0000e+00	0.0000e+00	0.0000e+00	1.0868e+00	-3.6846e+01	2.2914e+00
	34	0.0000e+00	0.0000e+00	0.0000e+00	-9.8967e+01	-8.3753e+01	2.7536e+01
	10	0.0000e+00	0.0000e+00	0.0000e+00	-4.5311e+01	2.9729e+01	-4.3950e+01
162	10	0.0000e+00	0.0000e+00	0.0000e+00	2.6744e+01	-2.4384e+01	-2.5865e+01
	34	0.0000e+00	0.0000e+00	0.0000e+00	-1.0704e+02	-7.0977e+01	-4.2306e+01
	35	0.0000e+00	0.0000e+00	0.0000e+00	1.9465e+01	-3.7540e+01	-6.9378e+01
163	35	0.0000e+00	0.0000e+00	0.0000e+00	5.0227e+01	2.9546e+01	-2.8770e+01
	17	0.0000e+00	0.0000e+00	0.0000e+00	-3.4364e+01	-2.0819e+00	-1.7569e+01
	36	0.0000e+00	0.0000e+00	0.0000e+00	-1.8952e+01	2.3589e+01	-4.8827e+01
164	529	0.0000e+00	0.0000e+00	0.0000e+00	-3.0611e+01	-1.1184e+02	-1.3294e+01
	526	0.0000e+00	0.0000e+00	0.0000e+00	2.9744e+01	-8.5670e+01	-3.5181e+01
	42	0.0000e+00	0.0000e+00	0.0000e+00	8.5609e+01	5.5941e+01	1.5213e+01
	127	0.0000e+00	0.0000e+00	0.0000e+00	-6.0879e+01	-5.8657e+01	2.7642e+01
165	33	0.0000e+00	0.0000e+00	0.0000e+00	7.1439e+01	1.6325e+02	1.4213e+01
	524	0.0000e+00	0.0000e+00	0.0000e+00	-6.5763e+01	1.0616e+01	2.2654e+01
	526	0.0000e+00	0.0000e+00	0.0000e+00	2.4399e-01	-8.6278e+01	-4.1669e+01
	529	0.0000e+00	0.0000e+00	0.0000e+00	-7.1937e+00	-1.2077e+02	-3.9054e+01
166	528	0.0000e+00	0.0000e+00	0.0000e+00	-2.4661e+01	-9.3875e+01	7.1957e+00
	529	0.0000e+00	0.0000e+00	0.0000e+00	-1.6205e+01	-1.1751e+02	8.1860e-01
	127	0.0000e+00	0.0000e+00	0.0000e+00	-1.5739e+01	-3.1165e+01	3.1461e+00
	126	0.0000e+00	0.0000e+00	0.0000e+00	-2.8045e+01	-5.6517e+01	4.2377e+00
167	32	0.0000e+00	0.0000e+00	0.0000e+00	-6.0233e+01	1.1872e+02	-3.0875e+00
	33	0.0000e+00	0.0000e+00	0.0000e+00	5.3011e+01	1.7710e+02	-8.2696e+00
	529	0.0000e+00	0.0000e+00	0.0000e+00	-6.7360e+00	-1.0746e+02	1.6200e+01
	528	0.0000e+00	0.0000e+00	0.0000e+00	-1.6406e+01	-8.2265e+01	1.0228e+01
168	511	0.0000e+00	0.0000e+00	0.0000e+00	-4.4663e+01	-3.6642e+01	-2.0820e+01
	512	0.0000e+00	0.0000e+00	0.0000e+00	1.5475e+01	-1.4468e+01	-1.3259e+01
	33	0.0000e+00	0.0000e+00	0.0000e+00	5.6417e+01	1.9247e+02	1.3078e+01
	32	0.0000e+00	0.0000e+00	0.0000e+00	-5.3406e+01	1.1271e+02	3.8071e-02
169	464	0.0000e+00	0.0000e+00	0.0000e+00	-2.7470e+00	-5.8081e+01	7.6742e+00
	528	0.0000e+00	0.0000e+00	0.0000e+00	-4.4329e+01	-8.4251e+01	1.6015e+01
	126	0.0000e+00	0.0000e+00	0.0000e+00	-6.2364e+01	-3.1155e+01	-7.1284e+00
	1	0.0000e+00	0.0000e+00	0.0000e+00	1.1817e+01	7.7769e+00	-1.8287e+01
170	52	0.0000e+00	0.0000e+00	0.0000e+00	-5.6662e+01	3.3092e+01	4.8435e+00
	32	0.0000e+00	0.0000e+00	0.0000e+00	-1.5936e+01	1.0004e+02	1.5879e+01
	528	0.0000e+00	0.0000e+00	0.0000e+00	-1.5008e+01	-8.8138e+01	2.2865e+01

	464	0.0000e+00	0.0000e+00	0.0000e+00	-2.7414e+01	-3.6403e+01	1.4011e+01
171	527	0.0000e+00	0.0000e+00	0.0000e+00	1.3042e+01	-4.8062e+01	1.7128e+01
	521	0.0000e+00	0.0000e+00	0.0000e+00	-1.4511e+01	-1.0579e+02	2.9989e+01
	45	0.0000e+00	0.0000e+00	0.0000e+00	4.3145e+01	4.6749e+01	-2.7640e+01
	506	0.0000e+00	0.0000e+00	0.0000e+00	-9.8876e+01	5.9439e+01	-2.3404e+00
172	35	0.0000e+00	0.0000e+00	0.0000e+00	6.9146e-01	8.5165e+01	1.8192e+01
	36	0.0000e+00	0.0000e+00	0.0000e+00	-1.7716e+01	6.5132e+01	1.4873e+01
	521	0.0000e+00	0.0000e+00	0.0000e+00	-1.3724e+01	-8.2299e+01	-1.1077e+01
	527	0.0000e+00	0.0000e+00	0.0000e+00	-1.6989e+01	-5.8868e+01	-8.1633e+00
173	525	0.0000e+00	0.0000e+00	0.0000e+00	4.5519e+01	-8.6291e+01	-3.3897e+01
	527	0.0000e+00	0.0000e+00	0.0000e+00	-1.8565e+01	-5.1438e+01	-9.1229e+00
	506	0.0000e+00	0.0000e+00	0.0000e+00	-9.0369e+01	6.1741e+01	1.4124e+01
	44	0.0000e+00	0.0000e+00	0.0000e+00	4.4139e+01	1.7141e+01	3.3049e+01
174	34	0.0000e+00	0.0000e+00	0.0000e+00	3.9686e+01	9.6574e+01	1.3708e+01
	35	0.0000e+00	0.0000e+00	0.0000e+00	-1.5728e+01	6.9491e+01	4.1978e+00
	527	0.0000e+00	0.0000e+00	0.0000e+00	-1.4288e+01	-7.8206e+01	-1.2666e+01
	525	0.0000e+00	0.0000e+00	0.0000e+00	-1.3790e+01	-8.4241e+01	-3.8724e+00
175	526	0.0000e+00	0.0000e+00	0.0000e+00	7.3036e+01	-1.2718e+02	-2.5636e+01
	525	0.0000e+00	0.0000e+00	0.0000e+00	-1.5709e+01	-5.2738e+01	-1.2549e+01
	44	0.0000e+00	0.0000e+00	0.0000e+00	-1.2479e+00	6.7146e+01	2.9828e+01
	42	0.0000e+00	0.0000e+00	0.0000e+00	3.1301e+01	2.9800e+01	2.0611e+01
176	522	0.0000e+00	0.0000e+00	0.0000e+00	-4.5197e+00	-1.0649e+02	2.1159e+01
	588	0.0000e+00	0.0000e+00	0.0000e+00	1.3661e+01	-1.4029e+02	-1.4439e+01
	7	0.0000e+00	0.0000e+00	0.0000e+00	-3.7805e+01	3.7042e+01	-3.4856e+01
	47	0.0000e+00	0.0000e+00	0.0000e+00	9.8087e+00	8.9835e+01	-1.5199e+01
177	38	0.0000e+00	0.0000e+00	0.0000e+00	4.5873e+00	1.5143e+02	-4.1524e-01
	39	0.0000e+00	0.0000e+00	0.0000e+00	-4.7535e+01	1.5139e+02	1.6526e+01
	588	0.0000e+00	0.0000e+00	0.0000e+00	2.1623e+01	-1.1182e+02	2.0100e+01
	522	0.0000e+00	0.0000e+00	0.0000e+00	-4.9383e+00	-1.0010e+02	-1.5945e+01
178	518	0.0000e+00	0.0000e+00	0.0000e+00	-2.9988e+01	-2.0929e+01	-7.4041e-01
	587	0.0000e+00	0.0000e+00	0.0000e+00	3.1588e+01	-5.9940e+01	-4.1909e+01
	39	0.0000e+00	0.0000e+00	0.0000e+00	-4.0894e+01	1.8250e+02	-4.2905e+01
	38	0.0000e+00	0.0000e+00	0.0000e+00	8.5991e+00	1.7980e+02	-1.4222e+01
179	520	0.0000e+00	0.0000e+00	0.0000e+00	1.0423e+01	-7.4638e+01	2.1817e+01
	522	0.0000e+00	0.0000e+00	0.0000e+00	4.4735e-01	-1.3977e+02	3.7307e+00
	47	0.0000e+00	0.0000e+00	0.0000e+00	2.8530e-01	5.5089e+01	-2.5263e+01
	46	0.0000e+00	0.0000e+00	0.0000e+00	-1.0216e+01	9.1762e+01	-1.5428e+01
180	37	0.0000e+00	0.0000e+00	0.0000e+00	1.0592e+00	1.4372e+02	1.1250e+01
	38	0.0000e+00	0.0000e+00	0.0000e+00	4.8245e+00	1.3525e+02	1.1144e+01
	522	0.0000e+00	0.0000e+00	0.0000e+00	6.8665e+00	-1.2065e+02	-4.9577e+00
	520	0.0000e+00	0.0000e+00	0.0000e+00	1.1784e+01	-8.8542e+01	-1.6163e+01
181	517	0.0000e+00	0.0000e+00	0.0000e+00	2.2935e+00	1.7611e+01	4.3936e+00
	518	0.0000e+00	0.0000e+00	0.0000e+00	2.4743e+01	-5.0289e+01	3.3396e+00
	38	0.0000e+00	0.0000e+00	0.0000e+00	1.0086e+01	1.1579e+02	-1.7978e+01
	37	0.0000e+00	0.0000e+00	0.0000e+00	1.2005e+01	1.4631e+02	-1.7510e+01
182	521	0.0000e+00	0.0000e+00	0.0000e+00	1.0246e+01	-4.5172e+01	2.6635e+01
	520	0.0000e+00	0.0000e+00	0.0000e+00	-1.0394e+01	-1.2274e+02	1.6929e+01
	46	0.0000e+00	0.0000e+00	0.0000e+00	9.7788e-02	4.0796e+01	-2.2719e+01
	45	0.0000e+00	0.0000e+00	0.0000e+00	-5.5762e+00	8.9436e+01	-1.8863e+01
183	36	0.0000e+00	0.0000e+00	0.0000e+00	-3.5358e+01	9.6460e+01	1.6495e+01
	37	0.0000e+00	0.0000e+00	0.0000e+00	2.7913e+01	1.1696e+02	8.8805e+00
	520	0.0000e+00	0.0000e+00	0.0000e+00	-3.9292e+00	-1.1652e+02	-7.8871e+00
	521	0.0000e+00	0.0000e+00	0.0000e+00	5.6198e+00	-6.3062e+01	-6.9487e+00
184	466	0.0000e+00	0.0000e+00	0.0000e+00	-3.9850e+00	3.2616e+01	-7.9502e+00
	517	0.0000e+00	0.0000e+00	0.0000e+00	1.8459e+01	-2.8547e+01	3.1498e+00
	37	0.0000e+00	0.0000e+00	0.0000e+00	2.0456e+01	9.8457e+01	-1.3823e+01
	36	0.0000e+00	0.0000e+00	0.0000e+00	-1.9000e+01	8.9619e+01	-2.0150e+01

185	28	0.0000e+00	0.0000e+00	0.0000e+00	1.0325e+01	2.6379e+01	1.4981e+01
	586	0.0000e+00	0.0000e+00	0.0000e+00	-3.9244e+01	-8.9509e+01	2.4062e+01
	587	0.0000e+00	0.0000e+00	0.0000e+00	1.1156e+01	-6.1448e+01	-2.3233e+01
	518	0.0000e+00	0.0000e+00	0.0000e+00	-2.1506e+01	-6.7470e+01	-3.3644e+01
186	29	0.0000e+00	0.0000e+00	0.0000e+00	2.1949e+01	3.7340e+01	7.9327e+00
	28	0.0000e+00	0.0000e+00	0.0000e+00	1.1106e+01	3.0055e+01	2.8985e+00
	518	0.0000e+00	0.0000e+00	0.0000e+00	1.9337e+01	-9.1621e+01	-4.7240e+00
	517	0.0000e+00	0.0000e+00	0.0000e+00	5.7550e+00	-8.6126e+01	-3.0230e+00
187	26	0.0000e+00	0.0000e+00	0.0000e+00	1.5547e+01	1.3992e+01	-6.3839e+00
	27	0.0000e+00	0.0000e+00	0.0000e+00	8.4618e+00	1.9282e+01	1.2175e+00
	28	0.0000e+00	0.0000e+00	0.0000e+00	4.5775e+00	4.7151e+01	1.5144e+00
	29	0.0000e+00	0.0000e+00	0.0000e+00	2.8682e+01	5.1464e+01	-6.0870e+00
188	457	0.0000e+00	0.0000e+00	0.0000e+00	1.0350e+00	-1.9523e+01	-4.7177e+00
	462	0.0000e+00	0.0000e+00	0.0000e+00	1.1166e+01	-1.9438e+01	5.4967e+00
	27	0.0000e+00	0.0000e+00	0.0000e+00	7.2415e+00	1.2018e+01	2.3403e+00
	26	0.0000e+00	0.0000e+00	0.0000e+00	1.1178e+01	1.5330e+01	-6.7157e+00
189	516	0.0000e+00	0.0000e+00	0.0000e+00	-6.2558e+01	-6.4675e+01	-9.5617e+00
	29	0.0000e+00	0.0000e+00	0.0000e+00	4.6879e+01	2.4743e+01	-2.1632e-01
	517	0.0000e+00	0.0000e+00	0.0000e+00	-2.9941e+00	-8.4782e+01	1.5557e+01
	466	0.0000e+00	0.0000e+00	0.0000e+00	1.6334e+01	-1.1918e+01	-9.4866e+00
190	515	0.0000e+00	0.0000e+00	0.0000e+00	-1.5406e+01	2.7589e+01	-2.3348e+01
	26	0.0000e+00	0.0000e+00	0.0000e+00	4.3987e+01	-3.7927e+00	-3.2908e+00
	29	0.0000e+00	0.0000e+00	0.0000e+00	3.2899e+01	2.2197e+01	-1.4212e+01
	516	0.0000e+00	0.0000e+00	0.0000e+00	-6.5585e+01	-1.8984e+01	-1.6119e+01
191	454	0.0000e+00	0.0000e+00	0.0000e+00	-4.1902e+00	1.0093e+01	-1.2473e+01
	457	0.0000e+00	0.0000e+00	0.0000e+00	6.3074e+00	-1.0689e+01	-9.4723e+00
	26	0.0000e+00	0.0000e+00	0.0000e+00	1.6073e+01	-4.4152e+00	-2.3099e+01
	515	0.0000e+00	0.0000e+00	0.0000e+00	-3.5919e+01	-4.2698e+00	-1.0579e+01
192	31	0.0000e+00	0.0000e+00	0.0000e+00	1.6232e+01	2.9899e+00	-7.7122e+00
	463	0.0000e+00	0.0000e+00	0.0000e+00	-5.4160e+01	-3.1379e+01	1.5391e+01
	10	0.0000e+00	0.0000e+00	0.0000e+00	9.1928e+00	-4.0942e+01	5.6757e+00
	465	0.0000e+00	0.0000e+00	0.0000e+00	1.0711e+01	-6.1413e+01	-1.6210e+01
193	23	0.0000e+00	0.0000e+00	0.0000e+00	1.5815e+01	-6.7114e-01	5.2652e+00
	513	0.0000e+00	0.0000e+00	0.0000e+00	-3.5063e+01	1.9837e+01	1.2061e+01
	463	0.0000e+00	0.0000e+00	0.0000e+00	-6.3485e+01	-6.0767e+00	8.3257e+00
	31	0.0000e+00	0.0000e+00	0.0000e+00	-2.6166e-01	6.1085e+00	1.5908e+01
194	30	0.0000e+00	0.0000e+00	0.0000e+00	6.2620e+01	1.6288e+01	-8.0917e+00
	31	0.0000e+00	0.0000e+00	0.0000e+00	-7.3057e+00	1.5300e+01	-1.9502e+01
	465	0.0000e+00	0.0000e+00	0.0000e+00	1.0337e+01	-6.4800e+01	1.7383e+00
	512	0.0000e+00	0.0000e+00	0.0000e+00	4.7852e+01	-9.1641e+01	8.4656e+00
195	22	0.0000e+00	0.0000e+00	0.0000e+00	4.2723e+01	1.1940e+01	-5.8530e+00
	23	0.0000e+00	0.0000e+00	0.0000e+00	-3.9482e-02	8.4048e-01	1.0440e+01
	31	0.0000e+00	0.0000e+00	0.0000e+00	-6.6488e+00	3.6267e+01	-1.0449e+00
	30	0.0000e+00	0.0000e+00	0.0000e+00	6.6983e+01	6.4865e+01	-1.7438e+01
196	418	0.0000e+00	0.0000e+00	0.0000e+00	9.1609e+00	-8.4246e+00	-1.3210e+01
	425	0.0000e+00	0.0000e+00	0.0000e+00	4.9217e+00	-1.5008e+01	1.2483e+01
	23	0.0000e+00	0.0000e+00	0.0000e+00	-1.2677e+00	1.0515e+01	1.2769e+01
	22	0.0000e+00	0.0000e+00	0.0000e+00	2.8162e+01	2.2834e+01	-9.6721e+00
197	171	0.0000e+00	0.0000e+00	0.0000e+00	-9.5254e+01	-4.0212e+01	1.5364e-01
	30	0.0000e+00	0.0000e+00	0.0000e+00	7.8649e+01	1.2771e+01	1.7706e+00
	512	0.0000e+00	0.0000e+00	0.0000e+00	-3.8826e+00	-8.6044e+01	-1.2709e+01
	511	0.0000e+00	0.0000e+00	0.0000e+00	-3.4781e+01	-1.0044e+01	-1.6052e+01
198	415	0.0000e+00	0.0000e+00	0.0000e+00	-8.4028e+00	-2.9617e+00	-2.6812e+01
	418	0.0000e+00	0.0000e+00	0.0000e+00	7.4473e+00	-8.4392e-02	-3.5080e+01
	22	0.0000e+00	0.0000e+00	0.0000e+00	5.2359e+01	1.9871e+01	-3.3955e+01
	21	0.0000e+00	0.0000e+00	0.0000e+00	-5.7320e+01	1.1901e+01	-2.4200e+01
199	398	0.0000e+00	0.0000e+00	0.0000e+00	4.0350e+00	-2.3159e+01	-1.7858e+01

	171	0.0000e+00	0.0000e+00	0.0000e+00	-9.4329e+01	-4.0015e+01	-1.6362e+01
	511	0.0000e+00	0.0000e+00	0.0000e+00	-3.6737e+01	-1.2491e+01	-2.9976e+01
	412	0.0000e+00	0.0000e+00	0.0000e+00	8.2978e+00	-4.4729e+00	-3.0726e+01
200	53	0.0000e+00	0.0000e+00	0.0000e+00	1.5858e+00	2.2706e+01	2.8661e+01
	415	0.0000e+00	0.0000e+00	0.0000e+00	-2.0269e+01	-3.5496e+00	-3.7856e+00
	21	0.0000e+00	0.0000e+00	0.0000e+00	-4.8104e+01	1.0477e+01	-5.2763e+00
	413	0.0000e+00	0.0000e+00	0.0000e+00	4.7033e+00	7.7200e+00	2.1960e+01
201	510	0.0000e+00	0.0000e+00	0.0000e+00	-5.5969e+00	-6.1037e+01	7.0208e+00
	491	0.0000e+00	0.0000e+00	0.0000e+00	1.6137e+01	-5.8392e+01	-1.4003e+00
	186	0.0000e+00	0.0000e+00	0.0000e+00	-3.5095e-01	-1.6039e+01	-2.0630e+00
	400	0.0000e+00	0.0000e+00	0.0000e+00	-2.3417e+00	-1.0185e+01	5.3014e+00
202	41	0.0000e+00	0.0000e+00	0.0000e+00	3.0698e+01	1.0010e+02	1.9632e+01
	43	0.0000e+00	0.0000e+00	0.0000e+00	-1.2453e+01	4.5174e+01	1.5955e+01
	491	0.0000e+00	0.0000e+00	0.0000e+00	7.3500e+00	-2.4293e+01	5.9423e+00
	510	0.0000e+00	0.0000e+00	0.0000e+00	9.4079e+00	-5.9983e+01	1.4171e+01
203	127	0.0000e+00	0.0000e+00	0.0000e+00	-5.9225e+01	-1.9949e+01	1.4705e+01
	42	0.0000e+00	0.0000e+00	0.0000e+00	8.9533e+01	1.1504e+02	1.0144e+01
	43	0.0000e+00	0.0000e+00	0.0000e+00	1.4925e+01	3.7187e+01	2.2858e+01
	41	0.0000e+00	0.0000e+00	0.0000e+00	7.2961e+00	1.3106e+02	2.7122e+01
204	509	0.0000e+00	0.0000e+00	0.0000e+00	-5.0385e+00	-5.1094e+01	9.6914e+00
	510	0.0000e+00	0.0000e+00	0.0000e+00	7.0463e+00	-6.1459e+01	7.5283e+00
	400	0.0000e+00	0.0000e+00	0.0000e+00	-4.1887e+00	-1.1432e+01	5.2739e-01
	399	0.0000e+00	0.0000e+00	0.0000e+00	9.5195e-02	-8.1547e+00	5.3050e+00
205	40	0.0000e+00	0.0000e+00	0.0000e+00	-2.3585e+01	8.8496e+01	-1.5384e+00
	41	0.0000e+00	0.0000e+00	0.0000e+00	7.8894e-02	1.1030e+02	8.2841e+00
	510	0.0000e+00	0.0000e+00	0.0000e+00	3.6056e+00	-3.4214e+01	2.4333e+01
	509	0.0000e+00	0.0000e+00	0.0000e+00	-4.0393e+00	-4.0879e+01	6.6926e+00
206	126	0.0000e+00	0.0000e+00	0.0000e+00	-2.5580e+01	-2.3552e+01	3.6687e-01
	127	0.0000e+00	0.0000e+00	0.0000e+00	-1.3500e+00	-2.2770e+01	3.2787e+00
	41	0.0000e+00	0.0000e+00	0.0000e+00	6.6447e+00	1.2548e+02	9.3635e+00
	40	0.0000e+00	0.0000e+00	0.0000e+00	-2.9975e+01	1.0657e+02	6.4517e+00
207	91	0.0000e+00	0.0000e+00	0.0000e+00	2.0201e+01	-6.7064e+00	9.4415e+00
	509	0.0000e+00	0.0000e+00	0.0000e+00	-2.4396e+01	-4.5255e+01	1.0803e+01
	399	0.0000e+00	0.0000e+00	0.0000e+00	-1.1902e+01	1.1019e+00	-1.8273e+00
	60	0.0000e+00	0.0000e+00	0.0000e+00	8.6369e+00	-4.5788e+00	-3.9140e+00
208	168	0.0000e+00	0.0000e+00	0.0000e+00	-3.8440e+01	4.1908e+00	-9.4325e+00
	40	0.0000e+00	0.0000e+00	0.0000e+00	1.9351e+01	9.8455e+01	-6.7266e+00
	509	0.0000e+00	0.0000e+00	0.0000e+00	-1.8502e+01	-3.4410e+01	2.0749e+01
	91	0.0000e+00	0.0000e+00	0.0000e+00	6.8339e+00	6.6376e-02	1.1273e+01
209	1	0.0000e+00	0.0000e+00	0.0000e+00	1.1082e+01	3.0206e+01	-2.0809e+01
	126	0.0000e+00	0.0000e+00	0.0000e+00	-3.1830e+01	-3.4754e+01	-1.8380e+01
	40	0.0000e+00	0.0000e+00	0.0000e+00	2.3348e+01	9.5926e+01	-8.9860e+00
	168	0.0000e+00	0.0000e+00	0.0000e+00	-4.0273e+01	3.4430e+00	-1.0295e+01
210	508	0.0000e+00	0.0000e+00	0.0000e+00	-5.4826e+00	-3.3166e+01	5.1639e+00
	476	0.0000e+00	0.0000e+00	0.0000e+00	-4.7083e+00	-3.6901e+01	8.9206e+00
	187	0.0000e+00	0.0000e+00	0.0000e+00	7.7401e-01	-1.1368e+01	7.3022e+00
	407	0.0000e+00	0.0000e+00	0.0000e+00	-4.8009e+00	-1.1117e+01	3.4781e+00
211	507	0.0000e+00	0.0000e+00	0.0000e+00	-4.0996e+01	-2.3709e+01	-7.6950e+00
	49	0.0000e+00	0.0000e+00	0.0000e+00	1.4372e+00	1.4486e+00	1.6083e+00
	476	0.0000e+00	0.0000e+00	0.0000e+00	-4.6476e+00	-3.0950e+01	6.5904e+00
	508	0.0000e+00	0.0000e+00	0.0000e+00	-1.1575e+01	-1.6607e+01	1.8866e+00
212	506	0.0000e+00	0.0000e+00	0.0000e+00	-8.4263e+01	8.0027e+01	-3.8930e+01
	45	0.0000e+00	0.0000e+00	0.0000e+00	5.7947e+01	1.2485e+02	-2.0303e+01
	49	0.0000e+00	0.0000e+00	0.0000e+00	-1.0183e+01	8.5102e+00	-5.5366e+00
	507	0.0000e+00	0.0000e+00	0.0000e+00	-3.4227e+01	1.2980e+01	-1.0555e+01
213	487	0.0000e+00	0.0000e+00	0.0000e+00	-5.2560e+00	-5.2406e+01	-5.4854e+00
	508	0.0000e+00	0.0000e+00	0.0000e+00	9.9440e-01	-3.4458e+01	-3.7276e+00

	407	0.0000e+00	0.0000e+00	0.0000e+00	3.0723e+00	-1.2600e+01	1.9639e+00
	406	0.0000e+00	0.0000e+00	0.0000e+00	-5.5228e+00	-1.0621e+01	2.2299e+00
214	48	0.0000e+00	0.0000e+00	0.0000e+00	7.9813e+00	8.5901e+00	-4.5267e+00
	507	0.0000e+00	0.0000e+00	0.0000e+00	-4.1252e+01	-2.2046e+01	4.8292e+00
	508	0.0000e+00	0.0000e+00	0.0000e+00	-6.1798e+00	-1.7532e+01	-3.7309e+00
	487	0.0000e+00	0.0000e+00	0.0000e+00	-2.9333e+00	-4.1938e+01	-6.2152e+00
215	44	0.0000e+00	0.0000e+00	0.0000e+00	6.4770e+01	1.1634e+02	2.5801e+01
	506	0.0000e+00	0.0000e+00	0.0000e+00	-7.4697e+01	7.9301e+01	4.4392e+01
	507	0.0000e+00	0.0000e+00	0.0000e+00	-3.9025e+01	1.2803e+01	1.0770e+01
	48	0.0000e+00	0.0000e+00	0.0000e+00	-1.3678e+00	2.0084e+01	8.0171e+00
216	491	0.0000e+00	0.0000e+00	0.0000e+00	-9.0300e+00	-6.1367e+01	-1.5400e+00
	487	0.0000e+00	0.0000e+00	0.0000e+00	1.0438e+01	-4.9276e+01	-7.0794e+00
	406	0.0000e+00	0.0000e+00	0.0000e+00	1.0893e-01	-1.2234e+01	-2.1790e+00
	186	0.0000e+00	0.0000e+00	0.0000e+00	-4.8673e+00	-1.0706e+01	1.3838e+00
217	43	0.0000e+00	0.0000e+00	0.0000e+00	1.1464e+01	2.6106e+01	4.0310e+00
	48	0.0000e+00	0.0000e+00	0.0000e+00	8.5211e+00	2.4291e+01	-6.7981e+00
	487	0.0000e+00	0.0000e+00	0.0000e+00	3.6682e+00	-3.5958e+01	-2.8094e+00
	491	0.0000e+00	0.0000e+00	0.0000e+00	-9.5884e-01	-3.5936e+01	4.3077e+00
218	42	0.0000e+00	0.0000e+00	0.0000e+00	1.4205e+01	1.0571e+02	4.3520e+00
	44	0.0000e+00	0.0000e+00	0.0000e+00	1.4288e+01	1.2492e+02	7.0991e+00
	48	0.0000e+00	0.0000e+00	0.0000e+00	1.8320e+01	3.1082e+01	7.4152e+00
	43	0.0000e+00	0.0000e+00	0.0000e+00	1.2955e+01	4.8415e+01	5.3011e+00
219	477	0.0000e+00	0.0000e+00	0.0000e+00	2.3419e+00	-3.3293e+01	1.5161e+01
	485	0.0000e+00	0.0000e+00	0.0000e+00	-2.9314e+00	-3.5142e+01	1.3094e+01
	61	0.0000e+00	0.0000e+00	0.0000e+00	-4.7032e+00	-2.8486e+01	1.0667e+01
	411	0.0000e+00	0.0000e+00	0.0000e+00	4.2645e-01	-2.4992e+01	1.2832e+01
220	51	0.0000e+00	0.0000e+00	0.0000e+00	-2.9050e+01	4.0003e+01	-1.8715e+00
	8	0.0000e+00	0.0000e+00	0.0000e+00	6.1356e+00	9.1454e+01	5.4325e+00
	485	0.0000e+00	0.0000e+00	0.0000e+00	4.7317e+00	-3.2511e+01	1.9736e+01
	477	0.0000e+00	0.0000e+00	0.0000e+00	-4.5063e+00	-5.1782e+00	6.7140e+00
221	47	0.0000e+00	0.0000e+00	0.0000e+00	2.0108e+01	1.1315e+02	-8.1901e+00
	7	0.0000e+00	0.0000e+00	0.0000e+00	-3.5218e+01	5.9670e+01	-7.7996e+00
	8	0.0000e+00	0.0000e+00	0.0000e+00	-2.9570e+00	9.8223e+01	-8.0386e+00
	51	0.0000e+00	0.0000e+00	0.0000e+00	-1.3073e+01	4.3459e+01	-7.1570e+00
222	473	0.0000e+00	0.0000e+00	0.0000e+00	4.7294e+00	-3.3734e+01	1.1292e+01
	477	0.0000e+00	0.0000e+00	0.0000e+00	-8.2753e+00	-3.6155e+01	1.1961e+01
	411	0.0000e+00	0.0000e+00	0.0000e+00	1.1388e+00	-2.0653e+01	1.0577e+01
	409	0.0000e+00	0.0000e+00	0.0000e+00	-3.1495e+00	-1.8778e+01	9.4758e+00
223	50	0.0000e+00	0.0000e+00	0.0000e+00	-8.0943e+00	2.1737e+01	3.9899e+00
	51	0.0000e+00	0.0000e+00	0.0000e+00	2.4976e+00	3.0231e+01	2.1255e+00
	477	0.0000e+00	0.0000e+00	0.0000e+00	-2.7125e+00	-1.7679e+01	6.6444e+00
	473	0.0000e+00	0.0000e+00	0.0000e+00	-2.3060e+00	-1.6989e+01	6.6836e+00
224	46	0.0000e+00	0.0000e+00	0.0000e+00	5.1687e+00	1.1644e+02	-4.1745e+00
	47	0.0000e+00	0.0000e+00	0.0000e+00	-6.4661e+00	1.0684e+02	-2.2473e+00
	51	0.0000e+00	0.0000e+00	0.0000e+00	2.1036e-01	4.6207e+01	-7.6228e-01
	50	0.0000e+00	0.0000e+00	0.0000e+00	8.3765e-01	3.1730e+01	-2.6895e+00
225	476	0.0000e+00	0.0000e+00	0.0000e+00	6.1428e+00	-3.2860e+01	1.0647e+01
	473	0.0000e+00	0.0000e+00	0.0000e+00	-4.1917e+00	-3.5281e+01	9.4702e+00
	409	0.0000e+00	0.0000e+00	0.0000e+00	2.9131e+00	-1.7021e+01	8.0371e+00
	187	0.0000e+00	0.0000e+00	0.0000e+00	-3.1405e+00	-1.6589e+01	9.5663e+00
226	49	0.0000e+00	0.0000e+00	0.0000e+00	2.1432e+00	1.0933e+01	5.8761e+00
	50	0.0000e+00	0.0000e+00	0.0000e+00	2.1682e+00	1.3669e+01	2.7887e+00
	473	0.0000e+00	0.0000e+00	0.0000e+00	5.7401e-01	-2.5034e+01	4.5405e+00
	476	0.0000e+00	0.0000e+00	0.0000e+00	-8.4742e-01	-2.6828e+01	6.7008e+00
227	45	0.0000e+00	0.0000e+00	0.0000e+00	1.0194e+01	1.2828e+02	-4.7635e+00
	46	0.0000e+00	0.0000e+00	0.0000e+00	-1.1733e+01	1.1011e+02	3.0595e+00
	50	0.0000e+00	0.0000e+00	0.0000e+00	-1.6169e+00	3.4843e+01	3.1217e+00

	49	0.0000e+00	0.0000e+00	0.0000e+00	9.5980e+00	1.6464e+01	-4.7013e+00
228	58	0.0000e+00	0.0000e+00	0.0000e+00	5.0643e-01	-7.7623e+00	-2.4985e+01
	1	0.0000e+00	0.0000e+00	0.0000e+00	-1.2877e+01	-1.2269e+01	-1.5763e+01
	464	0.0000e+00	0.0000e+00	0.0000e+00	4.5315e+01	3.9549e+01	3.0561e+00
	421	0.0000e+00	0.0000e+00	0.0000e+00	-9.3043e+00	2.0386e+01	-6.9025e+00

SFORZI "#3 Accidentale cat H" (Fase 1)

Generato da analisi lunedì 11 aprile 2022 alle ore 15:46:51.

Elem	Nodo	N	Vy	Vz	Mx	My	Mz
15	583	7.1054e-15	-3.3785e-01	3.8858e-16	1.4939e+00	-3.5527e-15	-2.3187e+01
	437	-7.1054e-15	3.3785e-01	-3.8858e-16	-1.4939e+00	-3.5527e-14	-2.8096e+01
16	430	0.0000e+00	-5.5112e-01	2.2204e-16	3.0175e+01	-3.5527e-15	-4.8270e+01
	583	0.0000e+00	5.5112e-01	-2.2204e-16	-3.0175e+01	7.1054e-15	-5.1920e+01
17	437	-2.7311e-14	8.8968e-01	-3.5527e-15	-2.1941e+01	1.1369e-13	7.8356e+01
	133	2.7311e-14	-8.8968e-01	3.5527e-15	2.1941e+01	1.1369e-13	2.7106e+01
18	428	2.1316e-14	3.3735e+01	0.0000e+00	7.0142e+00	0.0000e+00	2.1967e+03
	131	-2.1316e-14	-3.3735e+01	0.0000e+00	-7.0142e+00	1.1369e-13	1.8075e+03
19	427	-1.4211e-14	1.9280e-01	0.0000e+00	4.5111e+01	0.0000e+00	-1.4168e+02
	130	1.4211e-14	-1.9280e-01	0.0000e+00	-4.5111e+01	0.0000e+00	1.6457e+02
20	430	1.7764e-14	2.1346e+01	-1.7764e-15	-5.8726e+00	1.1369e-13	1.4364e+03
	132	-1.7764e-14	-2.1346e+01	1.7764e-15	5.8726e+00	0.0000e+00	1.1052e+03
21	446	7.1054e-15	1.6386e+01	1.7764e-15	3.2310e+01	0.0000e+00	1.1233e+03
	134	-7.1054e-15	-1.6386e+01	-1.7764e-15	-3.2310e+01	1.1369e-13	8.3943e+02
22	455	-2.1316e-14	2.4773e+01	7.1054e-15	1.9903e-01	-2.2737e-13	1.7501e+03
	135	2.1316e-14	-2.4773e+01	-7.1054e-15	-1.9903e-01	-4.5475e-13	1.2219e+03
23	460	1.4211e-14	2.6113e+01	0.0000e+00	2.9941e+01	2.2737e-13	1.8088e+03
	136	-1.4211e-14	-2.6113e+01	0.0000e+00	-2.9941e+01	-1.1369e-13	1.2876e+03
229	460	-3.5527e-15	9.7525e-03	5.5511e-17	-8.0073e+01	-3.5527e-14	8.5454e+00
	25	3.5527e-15	-9.7525e-03	-5.5511e-17	8.0073e+01	-2.1316e-14	-5.4715e+00
230	455	0.0000e+00	1.0677e-01	0.0000e+00	-3.9268e+00	-7.1054e-15	1.5397e+01
	460	0.0000e+00	-1.0677e-01	0.0000e+00	3.9268e+00	-1.4211e-14	1.7016e+01
231	446	3.5527e-15	5.3452e-02	-2.7756e-17	-4.2704e+00	7.1054e-15	1.0427e+01
	455	-3.5527e-15	-5.3452e-02	2.7756e-17	4.2704e+00	7.1054e-15	8.5049e+00
232	437	-3.5527e-15	1.9120e-02	9.0206e-17	-1.3666e+01	-1.0658e-14	5.5404e+00
	446	3.5527e-15	-1.9120e-02	-9.0206e-17	1.3666e+01	7.1054e-15	2.6416e-01
233	428	7.1054e-15	-1.6839e-01	2.7756e-17	1.5905e+01	-1.0658e-14	-2.7723e+01
	430	-7.1054e-15	1.6839e-01	-2.7756e-17	-1.5905e+01	-1.7764e-14	-2.6867e+01
234	427	0.0000e+00	-1.1243e-01	1.1102e-16	-2.9565e+01	0.0000e+00	-1.4733e+01
	428	0.0000e+00	1.1243e-01	-1.1102e-16	2.9565e+01	-7.1054e-15	-1.9398e+01
235	490	0.0000e+00	-2.8328e-01	0.0000e+00	-1.1457e+01	2.1316e-14	-3.9546e+01
	427	0.0000e+00	2.8328e-01	0.0000e+00	1.1457e+01	7.1054e-15	-4.6312e+01
236	410	0.0000e+00	4.0547e-02	0.0000e+00	2.9045e+00	0.0000e+00	4.5743e+00
	471	0.0000e+00	-4.0547e-02	0.0000e+00	-2.9045e+00	1.4211e-14	8.2055e+00
237	408	-3.5527e-15	7.4561e-02	1.1102e-16	-7.1860e+00	7.1054e-15	1.0876e+01
	410	3.5527e-15	-7.4561e-02	-1.1102e-16	7.1860e+00	-7.1054e-15	1.1760e+01
238	405	0.0000e+00	6.4973e-02	-1.3878e-17	-6.1902e+00	7.1054e-15	1.1308e+01
	408	0.0000e+00	-6.4973e-02	1.3878e-17	6.1902e+00	3.5527e-15	1.1705e+01
239	404	0.0000e+00	7.5021e-02	-6.2450e-17	-9.0106e+00	1.5987e-14	1.1546e+01
	405	0.0000e+00	-7.5021e-02	6.2450e-17	9.0106e+00	4.4409e-15	1.1229e+01
240	403	3.5527e-15	4.0093e-02	6.2450e-17	-6.1109e+00	1.7764e-15	8.2414e+00
	404	-3.5527e-15	-4.0093e-02	-6.2450e-17	6.1109e+00	-8.8818e-15	5.9590e+00

241	402	0.0000e+00	1.0015e-02	-1.1102e-16	-1.7980e+01	7.1054e-15	2.3821e+00
	403	0.0000e+00	-1.0015e-02	1.1102e-16	1.7980e+01	-3.5527e-15	6.5843e-01
242	401	0.0000e+00	-4.1834e-02	-1.6653e-16	4.0382e+00	7.1054e-15	-4.2299e+00
	402	0.0000e+00	4.1834e-02	1.6653e-16	-4.0382e+00	-7.1054e-15	-8.4705e+00
243	470	0.0000e+00	-1.0932e-01	5.5511e-17	2.2951e+01	-1.4211e-14	-1.6256e+01
	401	0.0000e+00	1.0932e-01	-5.5511e-17	-2.2951e+01	0.0000e+00	-1.6931e+01
244	158	-1.7764e-15	-1.7724e+00	0.0000e+00	1.2736e+01	-7.1054e-14	-3.4707e+02
	405	1.7764e-15	1.7724e+00	0.0000e+00	-1.2736e+01	-7.1054e-14	-5.9015e+02
245	152	7.1054e-15	-2.4169e+00	0.0000e+00	-1.1071e+00	0.0000e+00	-5.7645e+02
	403	-7.1054e-15	2.4169e+00	0.0000e+00	1.1071e+00	0.0000e+00	-7.0192e+02
246	160	3.5527e-15	-3.9434e+00	1.6653e-16	-1.6698e+01	0.0000e+00	-9.0873e+02
	410	-3.5527e-15	3.9434e+00	-1.6653e-16	1.6698e+01	-4.2633e-14	-1.1755e+03
247	159	3.5527e-15	-2.8647e+00	-1.1102e-16	-1.5676e+01	-1.4211e-14	-6.3161e+02
	408	-3.5527e-15	2.8647e+00	1.1102e-16	1.5676e+01	0.0000e+00	-8.8340e+02
248	157	6.2728e-15	-1.8959e+00	0.0000e+00	-1.6182e+01	-2.8422e-14	-4.0816e+02
	404	-6.2728e-15	1.8959e+00	0.0000e+00	1.6182e+01	-2.8422e-14	-5.9385e+02
249	150	1.7764e-14	-4.4877e+00	-5.5511e-17	-1.4069e+01	-1.4211e-14	-1.3482e+03
	402	-1.7764e-14	4.4877e+00	5.5511e-17	1.4069e+01	0.0000e+00	-1.0248e+03
250	149	-7.1054e-15	-3.1886e+00	1.1102e-16	-2.9236e+01	0.0000e+00	-9.9373e+02
	401	7.1054e-15	3.1886e+00	-1.1102e-16	2.9236e+01	1.4211e-14	-6.9159e+02
332	172	7.1054e-15	5.0915e+00	0.0000e+00	-2.4836e+01	2.8422e-14	7.9934e+02
	489	-7.1054e-15	-5.0915e+00	0.0000e+00	2.4836e+01	0.0000e+00	7.8595e+02
333	139	1.0658e-14	-9.2002e+00	1.1102e-16	-1.2375e+02	1.4211e-14	-1.4471e+03
	172	-1.0658e-14	9.2002e+00	-1.1102e-16	1.2375e+02	2.8422e-14	-1.4325e+03
334	179	0.0000e+00	2.4360e-01	4.4409e-16	-1.7301e+02	-2.8422e-13	1.3833e+02
	57	0.0000e+00	-2.4360e-01	-4.4409e-16	1.7301e+02	-1.1369e-13	-6.2482e+01
335	259	0.0000e+00	-3.0102e+00	4.4409e-16	-4.3960e+01	8.5265e-14	-5.7353e+02
	179	0.0000e+00	3.0102e+00	-4.4409e-16	4.3960e+01	-2.8422e-14	-3.6866e+02
336	2	-1.4211e-14	8.7603e-02	0.0000e+00	-1.7169e+01	-1.4211e-14	7.0756e+00
	3	1.4211e-14	-8.7603e-02	0.0000e+00	1.7169e+01	4.2633e-14	1.2504e+01
337	54	0.0000e+00	3.6799e-02	0.0000e+00	2.0743e+01	0.0000e+00	1.8480e+00
	4	0.0000e+00	-3.6799e-02	0.0000e+00	-2.0743e+01	-1.4211e-14	6.3765e+00
338	56	-1.4211e-14	1.4346e-01	-4.4409e-16	1.7219e+01	2.8422e-14	1.5263e+01
	55	1.4211e-14	-1.4346e-01	4.4409e-16	-1.7219e+01	1.4211e-14	1.6801e+01
339	59	0.0000e+00	1.4972e-01	0.0000e+00	1.0997e+01	-1.4211e-14	4.8222e+00
	57	0.0000e+00	-1.4972e-01	0.0000e+00	-1.0997e+01	-1.4211e-14	2.8640e+01
340	71	-2.8422e-14	1.0515e+01	4.2633e-14	8.3500e+01	-1.1369e-13	3.2654e+01
	68	2.8422e-14	-1.0515e+01	-4.2633e-14	-8.3500e+01	2.2737e-13	1.1605e+02
341	66	1.1369e-13	-1.2024e+01	-4.2633e-14	1.0312e+01	0.0000e+00	-5.6637e+01
	69	-1.1369e-13	1.2024e+01	4.2633e-14	-1.0312e+01	-1.1369e-13	-1.1341e+02
342	72	-8.8818e-15	-1.3857e-02	-1.3878e-17	3.9781e+00	0.0000e+00	-5.4513e-01
	73	8.8818e-15	1.3857e-02	1.3878e-17	-3.9781e+00	-3.5527e-15	-4.7482e+00
343	180	-1.4211e-13	4.5523e+00	2.8422e-14	2.5026e+02	-2.2737e-13	-2.3266e+02
	72	1.4211e-13	-4.5523e+00	-2.8422e-14	-2.5026e+02	4.5475e-13	3.2923e+02
344	63	-7.1054e-15	4.5523e+00	0.0000e+00	1.2445e+01	4.9738e-14	4.1876e+02
	180	7.1054e-15	-4.5523e+00	0.0000e+00	-1.2445e+01	-4.9738e-14	3.4148e+02
345	62	3.5527e-15	-2.6089e-02	-1.8041e-16	-2.4187e+00	1.5099e-14	-2.1186e+00
	63	-3.5527e-15	2.6089e-02	1.8041e-16	2.4187e+00	2.3093e-14	-4.9254e+00
346	65	-5.6843e-14	-1.9911e+01	4.2633e-14	1.5926e+02	-7.9581e-13	-7.7528e+01
	62	5.6843e-14	1.9911e+01	-4.2633e-14	-1.5926e+02	-4.5475e-13	-3.4485e+02
347	64	2.6645e-15	9.7733e-03	0.0000e+00	1.5039e+01	0.0000e+00	1.8255e+00

	65	-2.6645e-15	-9.7733e-03	0.0000e+00	-1.5039e+01	8.8818e-15	1.9079e+00
348	249	3.5527e-15	-1.3261e+01	1.1102e-16	-3.0284e+01	2.8422e-14	-2.2045e+03
	248	-3.5527e-15	1.3261e+01	-1.1102e-16	3.0284e+01	2.8422e-14	-1.9727e+03
349	233	0.0000e+00	2.9479e+00	-5.5511e-17	-3.0284e+00	1.4211e-14	7.0944e+01
	249	0.0000e+00	-2.9479e+00	5.5511e-17	3.0284e+00	0.0000e+00	8.6650e+02
350	262	3.5527e-15	1.0390e+01	5.5511e-17	2.1844e+02	-3.5527e-14	1.6604e+03
	233	-3.5527e-15	-1.0390e+01	-5.5511e-17	-2.1844e+02	2.1316e-14	1.6436e+03
351	263	9.3259e-15	-2.4539e+00	8.3267e-17	1.0722e+02	-2.4869e-14	6.5978e+01
	262	-9.3259e-15	2.4539e+00	-8.3267e-17	-1.0722e+02	-1.2434e-14	-8.4631e+02
352	264	1.5543e-14	-8.3789e+00	4.1633e-17	-2.8411e+02	-2.3093e-14	-1.4020e+03
	263	-1.5543e-14	8.3789e+00	-4.1633e-17	2.8411e+02	-3.5527e-15	-1.3212e+03
353	265	-9.3259e-15	-4.0997e+00	-1.6653e-16	-6.3395e+01	1.4211e-14	-1.1858e+03
	264	9.3259e-15	4.0997e+00	1.6653e-16	6.3395e+01	-2.8422e-14	-1.1996e+02
354	258	-3.5527e-15	2.3496e+01	1.1102e-16	-2.6164e+00	-2.8422e-14	3.5007e+03
	265	3.5527e-15	-2.3496e+01	-1.1102e-16	2.6164e+00	-1.4211e-14	3.8536e+03
355	243	6.7168e-15	3.3978e+00	3.3307e-16	-5.5307e+00	-1.4211e-14	8.7015e+02
	258	-6.7168e-15	-3.3978e+00	-3.3307e-16	5.5307e+00	-4.2633e-14	1.8710e+02
356	260	3.5527e-15	2.5512e+00	-2.2204e-16	1.0734e+02	-2.8422e-14	3.6600e+02
	259	-3.5527e-15	-2.5512e+00	2.2204e-16	-1.0734e+02	0.0000e+00	4.4655e+02
357	65	-1.4211e-14	1.9834e+01	2.6645e-15	1.4471e+02	0.0000e+00	1.7262e+03
	260	1.4211e-14	-1.9834e+01	-2.6645e-15	-1.4471e+02	-1.4211e-13	1.6389e+03
358	257	-7.1054e-15	-3.2868e+00	-2.2204e-16	8.8985e+01	0.0000e+00	-5.1675e+02
	3	7.1054e-15	3.2868e+00	2.2204e-16	-8.8985e+01	5.6843e-14	-5.3618e+02
359	261	-1.0658e-14	3.2326e-01	0.0000e+00	9.9166e-01	-2.8422e-14	2.3538e+01
	257	1.0658e-14	-3.2326e-01	0.0000e+00	-9.9166e-01	0.0000e+00	7.9260e+01
360	72	7.1054e-15	3.6966e+00	-2.2204e-16	-8.0834e+01	0.0000e+00	6.2241e+02
	261	-7.1054e-15	-3.6966e+00	2.2204e-16	8.0834e+01	5.6843e-14	5.8027e+02
369	241	1.7764e-14	-3.0626e+00	-2.2204e-16	-8.6006e+01	5.6843e-14	-4.8705e+02
	4	-1.7764e-14	3.0626e+00	2.2204e-16	8.6006e+01	0.0000e+00	-4.9404e+02
370	245	-3.5527e-15	1.0755e+00	4.4409e-16	-9.7715e+00	2.8422e-14	1.6226e+02
	241	3.5527e-15	-1.0755e+00	-4.4409e-16	9.7715e+00	0.0000e+00	1.7976e+02
371	240	2.4869e-14	4.8978e-01	-3.3307e-16	-2.2775e+01	-5.6843e-14	7.6629e+01
	245	-2.4869e-14	-4.8978e-01	3.3307e-16	2.2775e+01	1.4211e-14	7.9122e+01
372	246	2.1316e-14	9.0350e-02	-3.0531e-16	1.6490e+01	3.5527e-14	1.9539e+01
	240	-2.1316e-14	-9.0350e-02	3.0531e-16	-1.6490e+01	-3.5527e-15	9.1918e+00
373	242	7.1054e-15	-8.3213e-01	-2.2204e-16	-5.4431e+00	-2.4869e-14	-1.3378e+02
	246	-7.1054e-15	8.3213e-01	2.2204e-16	5.4431e+00	-7.1054e-15	-1.3666e+02
374	214	-7.1054e-15	-1.2545e-01	4.4409e-16	-2.6203e+01	2.8422e-14	-6.5660e+01
	242	7.1054e-15	1.2545e-01	-4.4409e-16	2.6203e+01	-2.8422e-14	2.5703e+01
375	213	3.5527e-15	8.4566e-01	0.0000e+00	1.0890e+02	5.6843e-14	5.5696e+01
	214	-3.5527e-15	-8.4566e-01	0.0000e+00	-1.0890e+02	1.4211e-13	2.0899e+02
376	55	7.1054e-15	2.4042e+00	2.2204e-16	4.3891e+01	0.0000e+00	5.1554e+02
	213	-7.1054e-15	-2.4042e+00	-2.2204e-16	-4.3891e+01	2.2737e-13	2.3304e+02
385	179	0.0000e+00	-7.7475e-02	1.3878e-17	-1.3360e+01	3.5527e-15	-8.6223e+01
	258	0.0000e+00	7.7475e-02	-1.3878e-17	1.3360e+01	-7.1054e-15	4.6014e+01
386	253	-1.4211e-14	3.1763e+00	-1.7764e-15	2.0880e+02	0.0000e+00	4.0621e+02
	179	1.4211e-14	-3.1763e+00	1.7764e-15	-2.0880e+02	-1.1369e-13	2.0841e+02
387	250	2.8422e-14	4.6034e+00	0.0000e+00	-1.0881e+02	2.8422e-14	2.3853e+02
	72	-2.8422e-14	-4.6034e+00	0.0000e+00	1.0881e+02	-5.6843e-14	5.8380e+02
388	70	3.5527e-14	1.0009e+01	1.7764e-15	-1.5696e+01	0.0000e+00	6.8417e+02

	73	-3.5527e-14	-1.0009e+01	-1.7764e-15	1.5696e+01	-1.9895e-13	7.9580e+02
389	67	-3.5527e-15	-2.3570e+00	-1.4433e-15	2.1585e+01	-4.9738e-14	-1.4820e+02
	70	3.5527e-15	2.3570e+00	1.4433e-15	-2.1585e+01	-7.1054e-15	-2.5956e+02
390	64	-1.4211e-14	6.0781e-01	-7.7716e-16	-2.6330e+01	-7.1054e-14	3.3756e+01
	67	1.4211e-14	-6.0781e-01	7.7716e-16	2.6330e+01	4.2633e-14	5.6120e+01
391	67	2.4036e-14	3.7897e+01	2.2204e-16	-1.1604e+02	1.0658e-13	3.4032e+03
	263	-2.4036e-14	-3.7897e+01	-2.2204e-16	1.1604e+02	1.2790e-13	2.9726e+03
392	73	7.1054e-15	4.0205e+01	-1.3323e-15	8.1867e+01	-7.1054e-15	3.2315e+03
	262	-7.1054e-15	-4.0205e+01	1.3323e-15	-8.1867e+01	-4.2633e-14	2.8862e+03
393	257	0.0000e+00	9.0661e-01	8.3267e-17	-1.8233e+01	-2.1316e-14	2.0038e+02
	249	0.0000e+00	-9.0661e-01	-8.3267e-17	1.8233e+01	-2.8422e-14	2.7016e+02
394	256	1.4211e-14	9.8436e+00	-1.7764e-15	-2.2818e+01	-1.7053e-13	9.6106e+02
	257	-1.4211e-14	-9.8436e+00	1.7764e-15	2.2818e+01	1.1369e-13	9.4367e+02
395	261	1.0658e-14	7.6405e-01	6.9389e-17	2.0878e+01	-7.1054e-15	1.6511e+02
	233	-1.0658e-14	-7.6405e-01	-6.9389e-17	-2.0878e+01	-7.1054e-15	2.3144e+02
396	252	0.0000e+00	9.4411e+00	-1.7764e-15	7.6578e+00	-1.1369e-13	9.2376e+02
	261	0.0000e+00	-9.4411e+00	1.7764e-15	-7.6578e+00	-1.1369e-13	9.0309e+02
397	260	5.3291e-15	1.4956e+00	1.1102e-16	5.9038e+00	-5.6843e-14	3.5902e+02
	264	-5.3291e-15	-1.4956e+00	-1.1102e-16	-5.9038e+00	0.0000e+00	4.1717e+02
398	254	1.4211e-14	5.3627e+00	4.4409e-15	-1.4058e+01	2.2737e-13	5.5688e+02
	260	-1.4211e-14	-5.3627e+00	-4.4409e-15	1.4058e+01	-1.1369e-13	4.8081e+02
399	243	-3.5527e-14	-4.0828e+00	-1.3878e-17	-7.1508e+01	1.7764e-15	-1.0422e+03
	55	3.5527e-14	4.0828e+00	1.3878e-17	7.1508e+01	-8.8818e-16	-1.1911e+03
400	57	1.4211e-14	2.8578e+00	0.0000e+00	4.8783e+01	3.5527e-15	6.9343e+02
	243	-1.4211e-14	-2.8578e+00	0.0000e+00	-4.8783e+01	1.0658e-14	7.1832e+02
401	248	-7.1054e-15	-5.0159e+00	3.4694e-18	7.0656e+01	3.5527e-15	-1.3889e+03
	4	7.1054e-15	5.0159e+00	-3.4694e-18	-7.0656e+01	6.2172e-15	-1.3048e+03
402	3	1.4211e-14	6.7981e+00	2.0817e-17	-7.5540e+01	-3.5527e-15	1.7879e+03
	248	-1.4211e-14	-6.7981e+00	-2.0817e-17	7.5540e+01	1.7764e-15	1.6385e+03
403	241	1.4211e-14	-1.1427e+01	-2.2204e-15	5.0336e+01	2.2737e-13	-1.1202e+03
	236	-1.4211e-14	1.1427e+01	2.2204e-15	-5.0336e+01	2.8422e-13	-1.0910e+03
404	249	0.0000e+00	-5.4171e-01	4.1633e-17	2.2797e+01	-4.9738e-14	-1.8598e+02
	241	0.0000e+00	5.4171e-01	-4.1633e-17	-2.2797e+01	-3.9080e-14	-1.1305e+02
405	245	0.0000e+00	-1.2293e+01	-3.1086e-15	5.0666e+01	5.6843e-14	-1.2182e+03
	244	0.0000e+00	1.2293e+01	3.1086e-15	-5.0666e+01	1.7053e-13	-1.1605e+03
406	233	1.7764e-14	-6.4577e-01	-2.7756e-17	-4.2240e+01	-7.1054e-14	-2.2465e+02
	245	-1.7764e-14	6.4577e-01	2.7756e-17	4.2240e+01	-5.3291e-14	-1.3181e+02
407	240	-2.8422e-14	-1.5100e+01	8.8818e-16	7.8269e+00	-1.1369e-13	-1.4898e+03
	238	2.8422e-14	1.5100e+01	-8.8818e-16	-7.8269e+00	-2.8422e-13	-1.4321e+03
408	262	-3.5527e-15	-2.6248e+00	-3.4694e-18	-4.6120e+01	-7.1054e-15	-1.2922e+03
	240	3.5527e-15	2.6248e+00	3.4694e-18	4.6120e+01	-3.5527e-15	-1.5662e+02
409	246	1.7542e-14	-1.2451e+01	8.8818e-16	-3.1915e+01	-1.7053e-13	-1.2285e+03
	239	-1.7542e-14	1.2451e+01	-8.8818e-16	3.1915e+01	1.7053e-13	-1.1809e+03
410	263	-1.1990e-14	-1.1902e+00	1.3878e-16	4.6780e+01	-1.4211e-14	-4.7762e+02
	246	1.1990e-14	1.1902e+00	-1.3878e-16	-4.6780e+01	-1.0658e-14	-1.7939e+02
411	242	1.7764e-14	-1.2674e+01	-1.3323e-15	-3.4827e+01	-2.8422e-13	-1.2110e+03
	247	-1.7764e-14	1.2674e+01	1.3323e-15	3.4827e+01	-1.1369e-13	-1.2449e+03
412	264	1.7764e-15	-7.1362e-01	0.0000e+00	3.6736e+01	1.4211e-14	-2.6000e+02
	242	-1.7764e-15	7.1362e-01	0.0000e+00	-3.6736e+01	6.3949e-14	-1.3392e+02
413	213	2.8422e-14	1.1371e+00	-2.6645e-15	-2.5032e+02	-1.1369e-13	1.6711e+02

	235	-2.8422e-14	-1.1371e+00	2.6645e-15	2.5032e+02	-1.1369e-13	5.2911e+01
414	258	7.1054e-15	-4.2147e-01	5.5511e-17	3.6029e+01	8.5265e-14	-1.1937e+02
	213	-7.1054e-15	4.2147e-01	-5.5511e-17	-3.6029e+01	7.4607e-14	-1.1328e+02
415	214	1.4211e-14	-1.6858e+00	-4.4409e-16	-1.6372e+02	5.6843e-14	3.4028e+02
	234	-1.4211e-14	1.6858e+00	4.4409e-16	1.6372e+02	-2.8422e-14	-6.6649e+02
416	265	0.0000e+00	-2.6569e+00	-4.5103e-17	-2.0384e+01	-8.8818e-15	-9.9122e+02
	214	0.0000e+00	2.6569e+00	4.5103e-17	2.0384e+01	-1.1546e-14	-4.7539e+02
417	259	3.5527e-15	9.6062e-01	-3.4694e-17	8.2702e+01	-8.8818e-16	-2.3413e+02
	265	-3.5527e-15	-9.6062e-01	3.4694e-17	-8.2702e+01	3.5527e-15	7.3269e+02
418	255	2.8422e-14	2.7016e+01	-2.2204e-16	-4.7716e+01	0.0000e+00	2.6403e+03
	259	-2.8422e-14	-2.7016e+01	2.2204e-16	4.7716e+01	-2.8422e-14	2.5950e+03
419	177	-7.1054e-15	4.6115e-01	0.0000e+00	-1.8941e+02	0.0000e+00	1.9737e+02
	81	7.1054e-15	-4.6115e-01	0.0000e+00	1.8941e+02	2.8422e-14	-5.3785e+01
420	301	1.7764e-14	-4.1453e+00	6.6613e-16	-7.2164e+01	2.8422e-14	-7.5823e+02
	177	-1.7764e-14	4.1453e+00	-6.6613e-16	7.2164e+01	-2.8422e-14	-5.3924e+02
421	165	-7.1054e-15	-9.6860e-02	4.4409e-16	-2.9123e+01	-2.8422e-14	-4.5508e+00
	164	7.1054e-15	9.6860e-02	-4.4409e-16	2.9123e+01	-1.4211e-14	-1.7098e+01
422	125	0.0000e+00	-3.6308e-02	-2.7756e-16	3.2795e+01	8.5265e-14	5.7682e-01
	124	0.0000e+00	3.6308e-02	2.7756e-16	-3.2795e+01	3.5527e-14	-8.6917e+00
423	75	-5.6843e-14	-1.5237e-01	1.1102e-16	5.2665e+00	0.0000e+00	-1.1455e+01
	74	5.6843e-14	1.5237e-01	-1.1102e-16	-5.2665e+00	2.1316e-14	-2.2600e+01
424	80	-5.6843e-14	-3.2141e-01	1.1102e-16	1.2826e+01	2.8422e-14	-2.9335e+01
	81	5.6843e-14	3.2141e-01	-1.1102e-16	-1.2826e+01	3.5527e-14	-4.2500e+01
425	112	8.5265e-14	1.4821e+01	2.8422e-14	1.0567e+02	1.0232e-12	4.7267e+01
	105	-8.5265e-14	-1.4821e+01	-2.8422e-14	-1.0567e+02	1.3642e-12	1.6233e+02
426	99	-3.1264e-13	-2.3003e+01	7.1054e-15	3.5899e+01	0.0000e+00	-1.0304e+02
	106	3.1264e-13	2.3003e+01	-7.1054e-15	-3.5899e+01	-1.7053e-13	-2.2227e+02
427	117	-1.5099e-14	1.7573e-02	-5.5511e-17	-9.5790e+00	1.4211e-14	7.8966e+00
	118	1.5099e-14	-1.7573e-02	5.5511e-17	9.5790e+00	-3.5527e-15	-1.1838e+00
428	178	-8.5265e-14	4.8305e+00	-5.6843e-14	2.3089e+02	1.4779e-12	-2.0862e+02
	117	8.5265e-14	-4.8305e+00	5.6843e-14	-2.3089e+02	3.4106e-13	3.1109e+02
429	93	-7.1054e-15	4.8305e+00	-3.8858e-16	1.5750e+01	1.0658e-13	4.9591e+02
	178	7.1054e-15	-4.8305e+00	3.8858e-16	-1.5750e+01	1.1724e-13	3.1078e+02
430	94	-7.1054e-15	1.4341e-02	-2.0556e-16	5.9728e-01	-2.3981e-14	4.1269e+00
	93	7.1054e-15	-1.4341e-02	2.0556e-16	-5.9728e-01	-2.7978e-14	-2.5486e-01
431	86	-2.2737e-13	-8.8668e+00	9.9476e-14	2.4984e+02	-3.4106e-13	1.1849e+02
	94	2.2737e-13	8.8668e+00	-9.9476e-14	-2.4984e+02	2.2737e-13	-3.0659e+02
432	87	-1.3323e-15	1.7103e-02	9.0206e-17	2.5139e+01	1.5987e-14	3.8881e+00
	86	1.3323e-15	-1.7103e-02	-9.0206e-17	-2.5139e+01	2.3093e-14	2.6453e+00
433	298	-2.5535e-14	-1.9862e+01	-2.2204e-16	4.3197e+00	-1.4211e-14	-3.4633e+03
	309	2.5535e-14	1.9862e+01	2.2204e-16	-4.3197e+00	1.4211e-14	-2.7932e+03
434	325	-3.5749e-14	4.1250e+00	1.1102e-16	9.7042e+01	-1.4211e-14	1.5712e+02
	298	3.5749e-14	-4.1250e+00	-1.1102e-16	-9.7042e+01	2.1316e-14	1.1546e+03
435	304	8.8818e-16	1.2129e+01	-8.3267e-17	2.9174e+02	7.1054e-15	1.9695e+03
	325	-8.8818e-16	-1.2129e+01	8.3267e-17	-2.9174e+02	0.0000e+00	1.8874e+03
436	299	-1.6209e-14	-4.1829e+00	4.8572e-17	1.6215e+02	-8.8818e-15	-1.5223e+02
	304	1.6209e-14	4.1829e+00	-4.8572e-17	-1.6215e+02	1.6875e-14	-1.1779e+03
437	332	2.2204e-14	-9.2793e+00	-1.0408e-16	-4.7518e+02	2.9310e-14	-1.5478e+03
	299	-2.2204e-14	9.2793e+00	1.0408e-16	4.7518e+02	2.1316e-14	-1.4680e+03
438	333	-1.9984e-15	-7.6844e+00	1.6653e-16	-1.0267e+02	7.1054e-15	-1.9168e+03

	332	1.9984e-15	7.6844e+00	-1.6653e-16	1.0267e+02	-7.1054e-15	-5.3063e+02
439	306	1.8208e-14	3.4445e+01	1.1102e-16	5.2394e+01	-3.5527e-14	5.2235e+03
	333	-1.8208e-14	-3.4445e+01	-1.1102e-16	-5.2394e+01	-1.4211e-14	5.5579e+03
440	316	-3.8636e-14	2.3282e+00	-5.5511e-17	-1.0266e+02	-5.6843e-14	6.8372e+02
	306	3.8636e-14	-2.3282e+00	5.5511e-17	1.0266e+02	-5.6843e-14	4.0735e+01
441	305	-7.1054e-15	3.8869e+00	-3.3307e-16	1.8146e+02	-5.6843e-14	5.0249e+02
	301	7.1054e-15	-3.8869e+00	3.3307e-16	-1.8146e+02	-8.5265e-14	7.3551e+02
442	86	1.4211e-14	3.0885e+01	4.4409e-16	1.7672e+02	0.0000e+00	2.7227e+03
	305	-1.4211e-14	-3.0885e+01	-4.4409e-16	-1.7672e+02	1.4211e-13	2.5174e+03
443	311	-3.5527e-15	-4.4288e+00	2.2204e-16	1.0531e+02	0.0000e+00	-7.7180e+02
	164	3.5527e-15	4.4288e+00	-2.2204e-16	-1.0531e+02	2.8422e-14	-6.4698e+02
444	312	1.0658e-14	3.9391e-01	4.4409e-16	-1.1715e+01	1.1369e-13	3.9941e+01
	311	-1.0658e-14	-3.9391e-01	-4.4409e-16	1.1715e+01	4.2633e-14	8.5322e+01
445	117	0.0000e+00	5.1904e+00	2.7756e-16	-1.1011e+02	1.4211e-14	8.1942e+02
	312	0.0000e+00	-5.1904e+00	-2.7756e-16	1.1011e+02	-7.8160e-14	8.6924e+02
454	318	3.5527e-15	-4.2268e+00	2.2204e-16	-1.2441e+02	-2.8422e-14	-7.3712e+02
	124	-3.5527e-15	4.2268e+00	-2.2204e-16	1.2441e+02	0.0000e+00	-6.1694e+02
455	322	0.0000e+00	7.4891e-01	2.2204e-16	-5.7544e+01	2.8422e-14	8.2333e+01
	318	0.0000e+00	-7.4891e-01	-2.2204e-16	5.7544e+01	1.4211e-14	1.5582e+02
456	327	-1.0658e-14	-1.5147e-01	2.7756e-16	-1.7908e+01	-1.1369e-13	6.8997e-01
	322	1.0658e-14	1.5147e-01	-2.7756e-16	1.7908e+01	0.0000e+00	-4.8859e+01
457	315	7.1054e-15	5.3603e-01	-4.1633e-16	1.2868e+01	-4.2633e-14	1.1262e+02
	327	-7.1054e-15	-5.3603e-01	4.1633e-16	-1.2868e+01	-1.2434e-14	5.7840e+01
458	328	0.0000e+00	-6.3393e-01	3.6082e-16	3.8564e+01	-9.9476e-14	-1.0769e+02
	315	0.0000e+00	6.3393e-01	-3.6082e-16	-3.8564e+01	0.0000e+00	-9.8336e+01
459	287	2.4869e-14	-7.9009e-01	0.0000e+00	-3.1993e+01	1.4211e-14	-1.6829e+02
	328	-2.4869e-14	7.9009e-01	0.0000e+00	3.1993e+01	7.1054e-14	-8.3357e+01
460	270	1.0658e-14	7.4377e-01	-2.2204e-16	1.3691e+02	0.0000e+00	-1.5329e+01
	287	-1.0658e-14	-7.4377e-01	2.2204e-16	-1.3691e+02	-8.5265e-14	2.4813e+02
461	74	7.1054e-15	3.1229e+00	-4.4409e-16	6.6780e+01	-5.6843e-14	5.2459e+02
	270	-7.1054e-15	-3.1229e+00	4.4409e-16	-6.6780e+01	-5.6843e-14	4.4778e+02
470	177	-1.0658e-14	-3.0526e-01	-1.3878e-16	-3.2150e+01	3.9080e-14	-1.4867e+02
	306	1.0658e-14	3.0526e-01	1.3878e-16	3.2150e+01	3.5527e-14	-9.7602e+00
471	313	0.0000e+00	4.3012e+00	-1.3323e-15	3.0083e+02	1.4211e-13	5.7608e+02
	177	0.0000e+00	-4.3012e+00	1.3323e-15	-3.0083e+02	1.1369e-13	2.5619e+02
472	303	2.8422e-14	-2.0679e+00	-1.3323e-15	-3.3382e+00	1.1369e-13	-2.2746e+02
	117	-2.8422e-14	2.0679e+00	1.3323e-15	3.3382e+00	8.5265e-14	-1.4195e+02
473	111	-1.0658e-14	1.0946e+01	3.1086e-15	-5.0687e+00	-1.9895e-13	7.9156e+02
	118	1.0658e-14	-1.0946e+01	-3.1086e-15	5.0687e+00	9.9476e-14	8.2697e+02
474	100	-4.6185e-14	-3.2172e+00	-7.7716e-16	3.1811e+01	-7.8160e-14	-2.2215e+02
	111	4.6185e-14	3.2172e+00	7.7716e-16	-3.1811e+01	1.4921e-13	-3.3442e+02
475	87	1.0658e-14	1.7051e+00	-7.7716e-16	-3.6641e+01	2.1316e-14	1.1859e+02
	100	-1.0658e-14	-1.7051e+00	7.7716e-16	3.6641e+01	2.8422e-14	1.3355e+02
476	100	2.0151e-14	5.8487e+01	1.1102e-16	-1.5989e+02	-9.9476e-14	5.3237e+03
	299	-2.0151e-14	-5.8487e+01	-1.1102e-16	1.5989e+02	-1.6342e-13	4.5161e+03
477	118	2.8422e-14	6.4988e+01	5.1070e-15	9.6442e+00	3.3751e-13	5.2924e+03
	304	-2.8422e-14	-6.4988e+01	-5.1070e-15	-9.6442e+00	-4.9738e-14	4.5962e+03
478	311	0.0000e+00	1.1129e+00	-1.3878e-17	-3.1163e+01	1.0658e-14	2.5346e+02
	298	0.0000e+00	-1.1129e+00	1.3878e-17	3.1163e+01	7.1054e-15	3.2412e+02
479	307	-1.4211e-14	1.3997e+01	-4.4409e-16	-3.0254e+01	-2.8422e-13	1.3462e+03

	311	1.4211e-14	-1.3997e+01	4.4409e-16	3.0254e+01	-2.2737e-13	1.3622e+03
480	312	-5.3291e-15	6.9729e-01	-2.7756e-17	2.9966e+01	1.2434e-14	1.7818e+02
	325	5.3291e-15	-6.9729e-01	2.7756e-17	-2.9966e+01	2.1316e-14	1.8372e+02
481	300	0.0000e+00	1.3795e+01	-2.6645e-15	1.3697e+01	0.0000e+00	1.3117e+03
	312	0.0000e+00	-1.3795e+01	2.6645e-15	-1.3697e+01	-5.6843e-14	1.3575e+03
482	305	1.0658e-14	1.9448e+00	-1.1102e-16	5.1574e+01	3.5527e-15	4.9084e+02
	332	-1.0658e-14	-1.9448e+00	1.1102e-16	-5.1574e+01	-2.1316e-14	5.1853e+02
483	302	5.3291e-14	7.3480e+00	1.7764e-15	-9.7910e+01	1.7053e-13	7.0174e+02
	305	-5.3291e-14	-7.3480e+00	-1.7764e-15	9.7910e+01	2.2737e-13	7.2009e+02
484	316	-1.4211e-14	-5.7403e+00	-2.4286e-17	8.8623e+01	1.0658e-14	-1.5317e+03
	74	1.4211e-14	5.7403e+00	2.4286e-17	-8.8623e+01	-2.2204e-15	-1.6083e+03
485	81	0.0000e+00	3.8514e+00	-2.4286e-17	6.3020e+01	3.5527e-15	8.0648e+02
	316	0.0000e+00	-3.8514e+00	2.4286e-17	-6.3020e+01	1.9540e-14	1.0961e+03
486	309	1.4211e-14	-6.4826e+00	-6.2450e-17	5.0005e+01	3.5527e-15	-1.8536e+03
	124	-1.4211e-14	6.4826e+00	6.2450e-17	-5.0005e+01	-1.2434e-14	-1.6277e+03
487	164	-1.4211e-14	9.4339e+00	-5.8981e-17	-4.2153e+01	6.2172e-15	2.4493e+03
	309	1.4211e-14	-9.4339e+00	5.8981e-17	4.2153e+01	-3.5527e-15	2.3056e+03
488	318	-2.1316e-14	-1.4976e+01	8.8818e-16	6.1601e+01	2.2737e-13	-1.4329e+03
	317	2.1316e-14	1.4976e+01	-8.8818e-16	-6.1601e+01	3.4106e-13	-1.4649e+03
489	298	3.5527e-15	-6.9290e-01	1.3878e-17	3.3074e+01	-3.1974e-14	-2.6773e+02
	318	-3.5527e-15	6.9290e-01	-1.3878e-17	-3.3074e+01	-8.8818e-15	-1.1475e+02
490	322	7.1054e-15	-1.5360e+01	8.8818e-16	5.9612e+00	-5.6843e-14	-1.4130e+03
	324	-7.1054e-15	1.5360e+01	-8.8818e-16	-5.9612e+00	-3.6948e-13	-1.5591e+03
491	325	-7.1054e-15	-9.1230e-01	-8.3267e-17	-1.7341e+01	1.4211e-14	-3.9900e+02
	322	7.1054e-15	9.1230e-01	8.3267e-17	1.7341e+01	8.5265e-14	-1.0459e+02
492	327	2.1316e-14	-2.0304e+01	-1.3323e-15	7.0828e+00	-5.6843e-14	-1.9133e+03
	331	-2.1316e-14	2.0304e+01	1.3323e-15	-7.0828e+00	2.5580e-13	-2.0155e+03
493	304	-8.8818e-15	-4.4200e+00	3.1225e-17	-4.4915e+01	5.3291e-15	-2.3390e+03
	327	8.8818e-15	4.4200e+00	-3.1225e-17	4.4915e+01	-1.0214e-14	-1.0080e+02
494	315	-4.2744e-15	-1.5648e+01	4.4409e-16	1.0270e+01	1.1369e-13	-1.4435e+03
	319	4.2744e-15	1.5648e+01	-4.4409e-16	-1.0270e+01	-2.8422e-13	-1.5844e+03
495	299	1.1519e-14	-1.8914e+00	8.3267e-17	3.3226e+01	-3.5527e-14	-8.1053e+02
	315	-1.1519e-14	1.8914e+00	-8.3267e-17	-3.3226e+01	3.9080e-14	-2.3351e+02
496	328	3.5527e-15	-1.7012e+01	4.4409e-16	-1.2688e+01	2.8422e-13	-1.6433e+03
	310	-3.5527e-15	1.7012e+01	-4.4409e-16	1.2688e+01	-2.8422e-14	-1.6534e+03
497	332	-3.5527e-15	-1.0241e+00	3.8858e-16	3.0604e+01	2.8422e-14	-4.0325e+02
	328	3.5527e-15	1.0241e+00	-3.8858e-16	-3.0604e+01	6.0396e-14	-1.6204e+02
498	270	-1.4211e-14	2.2399e+00	0.0000e+00	-3.6963e+02	4.5475e-13	3.2627e+01
	323	1.4211e-14	-2.2399e+00	0.0000e+00	3.6963e+02	1.1369e-13	4.0080e+02
499	306	7.1054e-15	-1.3923e-01	-1.3878e-16	5.9081e+01	-4.9738e-14	-9.2865e+01
	270	-7.1054e-15	1.3923e-01	1.3878e-16	-5.9081e+01	-6.0396e-14	1.6009e+01
500	287	1.4211e-14	-9.3133e-01	0.0000e+00	-1.5006e+02	4.2633e-14	3.2803e+01
	329	-1.4211e-14	9.3133e-01	0.0000e+00	1.5006e+02	0.0000e+00	-2.1302e+02
501	333	-3.5527e-15	-2.4652e+00	-2.7756e-17	-7.0217e+01	8.8818e-16	-1.1591e+03
	287	3.5527e-15	2.4652e+00	2.7756e-17	7.0217e+01	-3.1086e-15	-2.0171e+02
502	301	7.1054e-15	1.1911e-01	6.9389e-17	6.5009e+01	-9.7700e-15	-6.1848e+02
	333	-7.1054e-15	-1.1911e-01	-6.9389e-17	-6.5009e+01	-1.9540e-14	6.8030e+02
503	308	1.4211e-14	4.3864e+01	2.2204e-16	3.0273e+01	-4.2633e-14	4.1676e+03
	301	-1.4211e-14	-4.3864e+01	-2.2204e-16	-3.0273e+01	0.0000e+00	4.3326e+03
504	173	2.5757e-14	-7.3035e-01	6.1062e-16	-3.6521e+02	0.0000e+00	1.4517e+02

	83	-2.5757e-14	7.3035e-01	-6.1062e-16	3.6521e+02	0.0000e+00	-3.7258e+02
505	350	8.8818e-16	-6.9324e+00	5.8287e-16	-5.0586e+01	9.2371e-14	-1.4372e+03
	173	-8.8818e-16	6.9324e+00	-5.8287e-16	5.0586e+01	3.5527e-14	-7.3262e+02
506	174	0.0000e+00	2.8059e+00	2.2204e-15	-4.5458e+01	-2.8422e-13	5.1628e+02
	85	0.0000e+00	-2.8059e+00	-2.2204e-15	4.5458e+01	2.2737e-13	3.5737e+02
507	453	7.1054e-15	-1.7035e+00	8.8818e-16	-1.1414e+03	5.6843e-14	2.6242e+02
	174	-7.1054e-15	1.7035e+00	-8.8818e-16	1.1414e+03	2.2737e-13	-7.9562e+02
508	122	2.8422e-14	3.0366e+02	-2.2204e-16	-1.4410e+02	-1.1369e-13	1.5982e+04
	461	-2.8422e-14	3.0246e+02	2.2204e-16	1.4410e+02	1.4211e-13	-1.5787e+04
509	475	0.0000e+00	-3.3189e+00	5.5511e-17	-6.2526e+00	-7.1054e-15	-8.4549e+02
	471	0.0000e+00	3.3189e+00	-5.5511e-17	6.2526e+00	-1.0658e-14	-8.5877e+02
510	484	-1.7764e-15	-3.1623e-01	0.0000e+00	-1.1186e+01	-1.1369e-13	-1.1295e+01
	482	1.7764e-15	3.1623e-01	0.0000e+00	1.1186e+01	5.6843e-14	-2.6477e+01
511	486	-3.5527e-15	-6.8327e-02	-1.0517e-17	-7.2565e+00	3.9968e-15	-2.3055e+01
	484	3.5527e-15	6.8327e-02	1.0517e-17	7.2565e+00	5.7732e-15	-1.5344e+01
512	161	-1.0658e-14	-2.8518e+00	-1.7764e-15	-1.4391e+02	1.1369e-13	-2.9096e+01
	486	1.0658e-14	2.8518e+00	1.7764e-15	1.4391e+02	1.7053e-13	-3.0884e+02
513	483	7.1054e-15	-7.7326e-02	-2.7756e-17	-1.8546e+01	3.5527e-15	-1.0971e+01
	470	-7.1054e-15	7.7326e-02	2.7756e-17	1.8546e+01	0.0000e+00	-2.8736e+01
514	490	-1.4211e-14	6.4741e+00	1.7764e-15	3.8397e+01	1.1369e-13	4.3903e+02
	488	1.4211e-14	-6.4741e+00	-1.7764e-15	-3.8397e+01	1.1369e-13	2.3103e+02
515	479	0.0000e+00	-2.2984e-01	1.1102e-16	-2.5188e+01	0.0000e+00	-6.6484e+01
	478	0.0000e+00	2.2984e-01	-1.1102e-16	2.5188e+01	1.4211e-14	1.5115e+01
516	475	7.1054e-15	2.8055e-02	-1.1102e-16	2.3147e+01	0.0000e+00	-2.8351e+01
	474	-7.1054e-15	-2.8055e-02	1.1102e-16	-2.3147e+01	1.4211e-14	3.4621e+01
517	483	7.1054e-15	-1.9935e-01	3.3307e-16	-1.4664e+01	7.1054e-15	-5.0102e+01
	482	-7.1054e-15	1.9935e-01	-3.3307e-16	1.4664e+01	4.2633e-14	5.5475e+00
518	488	-7.1054e-15	-1.4625e-01	4.4409e-16	9.9503e+00	0.0000e+00	-1.2185e+02
	489	7.1054e-15	1.4625e-01	-4.4409e-16	-9.9503e+00	0.0000e+00	8.9159e+01
519	497	5.6843e-14	-2.0794e+01	-2.8422e-14	-1.0641e+02	-9.0949e-13	-1.7397e+02
	498	-5.6843e-14	2.0794e+01	2.8422e-14	1.0641e+02	-6.8212e-13	-1.2010e+02
520	495	-2.8422e-13	-1.5071e+01	5.6843e-14	7.7719e+01	-2.2737e-13	-7.9318e+01
	499	2.8422e-13	1.5071e+01	-5.6843e-14	-7.7719e+01	-2.2737e-13	-1.3382e+02
521	503	7.9936e-15	5.8180e-02	-6.9389e-17	-3.0518e+01	-7.1054e-15	-2.7881e+01
	504	-7.9936e-15	-5.8180e-02	6.9389e-17	3.0518e+01	3.5527e-15	5.0106e+01
522	502	1.1369e-13	1.7227e+02	4.2633e-14	-4.1508e+02	-2.2737e-13	8.9354e+02
	503	-1.1369e-13	-1.7227e+02	-4.2633e-14	4.1508e+02	-9.0949e-13	2.7608e+03
523	501	7.1054e-15	-9.5108e-01	1.6653e-16	4.9146e+01	-2.8422e-14	7.0890e+01
	502	-7.1054e-15	9.5108e-01	-1.6653e-16	-4.9146e+01	-2.4869e-14	-2.2972e+02
524	500	1.0658e-14	-9.6294e-03	9.8879e-17	7.8760e-01	-1.1990e-14	-5.9751e+00
	501	-1.0658e-14	9.6294e-03	-9.8879e-17	-7.8760e-01	7.9936e-15	3.3751e+00
525	492	-8.5265e-14	-5.1775e+01	0.0000e+00	3.6175e+02	1.1369e-13	-4.9471e+02
	500	8.5265e-14	5.1775e+01	0.0000e+00	-3.6175e+02	0.0000e+00	-6.0362e+02
526	493	1.3323e-15	-4.5235e-03	-4.1633e-17	1.7153e+01	7.1054e-15	-9.0265e+00
	492	-1.3323e-15	4.5235e-03	4.1633e-17	-1.7153e+01	3.5527e-15	7.2985e+00
527	489	-3.5527e-15	-2.1327e-01	0.0000e+00	5.9962e+01	-8.8818e-15	9.5941e+00
	161	3.5527e-15	2.1327e-01	0.0000e+00	-5.9962e+01	-1.0658e-14	-1.1495e+02
528	167	2.3093e-14	4.1569e-02	-3.0531e-16	-7.5753e+01	-1.2434e-14	2.0987e+01
	166	-2.3093e-14	-4.1569e-02	3.0531e-16	7.5753e+01	-3.9080e-14	-1.1697e+01
529	129	-2.8422e-14	5.1006e-02	-2.7756e-16	7.6806e+01	-4.6185e-14	1.8733e+01

	128	2.8422e-14	-5.1006e-02	2.7756e-16	-7.6806e+01	5.3291e-15	-7.3331e+00
530	77	-5.3291e-15	1.6216e-01	5.5511e-17	-7.3003e+01	-3.3751e-14	3.3547e+01
	76	5.3291e-15	-1.6216e-01	-5.5511e-17	7.3003e+01	4.2633e-14	2.6948e+00
531	82	-1.0658e-14	4.7745e-01	2.4980e-16	5.6127e+00	5.3291e-15	8.7894e+01
	83	1.0658e-14	-4.7745e-01	-2.4980e-16	-5.6127e+00	2.1316e-14	1.8816e+01
532	114	1.1369e-13	-3.8262e+00	1.8474e-13	5.3907e+01	4.8317e-13	-9.9155e+01
	107	-1.1369e-13	3.8262e+00	-1.8474e-13	-5.3907e+01	-1.0232e-12	4.5045e+01
533	101	-7.3896e-13	-2.6433e+01	-1.5987e-14	-2.6528e+01	1.1369e-13	-1.9718e+02
	108	7.3896e-13	2.6433e+01	1.5987e-14	2.6528e+01	-1.1369e-13	-1.7663e+02
534	119	-6.2172e-15	-3.5459e-02	-3.4694e-18	4.9230e+01	-1.3323e-15	8.8497e-01
	121	6.2172e-15	3.5459e-02	3.4694e-18	-4.9230e+01	1.3323e-15	-1.4430e+01
535	176	8.1712e-14	1.0903e+01	-9.9476e-14	6.5944e+02	3.4674e-12	-6.2179e+02
	119	-8.1712e-14	-1.0903e+01	9.9476e-14	-6.5944e+02	3.2685e-12	8.5308e+02
536	95	7.1054e-15	1.0903e+01	6.2450e-16	2.6624e+01	8.1712e-14	9.1480e+02
	176	-7.1054e-15	-1.0903e+01	-6.2450e-16	-2.6624e+01	-3.3751e-14	9.0597e+02
537	96	-6.6613e-15	-2.5584e-02	-2.1120e-16	-1.8064e+00	-4.2855e-14	1.2946e+00
	95	6.6613e-15	2.5584e-02	2.1120e-16	1.8064e+00	5.3069e-14	-8.2022e+00
538	88	3.5527e-14	-3.9422e+01	-7.1054e-14	3.2069e+02	1.0516e-12	-2.0394e+02
	96	-3.5527e-14	3.9422e+01	7.1054e-14	-3.2069e+02	9.9476e-13	-6.3234e+02
539	89	-7.6605e-15	6.3398e-03	1.1102e-16	3.4255e+01	9.7700e-15	1.4105e+00
	88	7.6605e-15	-6.3398e-03	-1.1102e-16	-3.4255e+01	1.5099e-14	1.0113e+00
540	170	-5.6843e-14	3.0698e-01	4.4409e-16	-5.5150e+02	2.8422e-14	7.5512e+01
	169	5.6843e-14	-3.0698e-01	-4.4409e-16	5.5150e+02	-5.6843e-14	-6.9009e+00
541	163	-7.1054e-14	1.4178e-01	2.2204e-16	5.4660e+02	1.4211e-14	5.3222e+01
	162	7.1054e-14	-1.4178e-01	-2.2204e-16	-5.4660e+02	0.0000e+00	-2.1535e+01
542	79	4.2633e-14	1.4101e-01	4.4409e-16	-1.4173e+03	-2.8422e-14	4.9549e+01
	78	-4.2633e-14	-1.4101e-01	-4.4409e-16	1.4173e+03	2.8422e-14	-1.8032e+01
543	84	-8.5265e-14	1.7399e+02	-4.4409e-16	-9.2113e+01	2.8422e-14	6.5829e+03
	85	8.5265e-14	1.7467e+02	4.4409e-16	9.2113e+01	5.6843e-14	-6.6590e+03
544	116	-3.2022e-01	-1.1303e+01	-8.1726e-01	-1.7621e+01	1.6980e+01	-1.1490e+02
	109	3.2022e-01	1.1303e+01	8.1726e-01	1.7621e+01	-5.4224e+00	-4.4953e+01
545	103	4.9815e-01	-1.6032e+01	-3.5678e-01	8.0679e+01	5.9907e+01	-5.8848e+01
	110	-4.9815e-01	1.6032e+01	3.5678e-01	-8.0679e+01	-5.4861e+01	-1.6787e+02
546	122	-2.4869e-14	-8.3342e-02	-2.7756e-17	-3.3524e+02	-1.0658e-14	2.1839e+01
	123	2.4869e-14	8.3342e-02	2.7756e-17	3.3524e+02	-1.0658e-14	-5.3676e+01
547	175	-5.6843e-14	-6.0089e+00	2.8422e-14	-7.0806e+02	2.2737e-13	7.7725e+02
	122	5.6843e-14	6.0089e+00	-2.8422e-14	7.0806e+02	6.8212e-13	-9.0471e+02
548	97	-2.8422e-14	-6.0089e+00	1.2212e-15	4.8921e+01	-1.7053e-13	4.6777e+01
	175	2.8422e-14	6.0089e+00	-1.2212e-15	-4.8921e+01	1.5632e-13	-1.0503e+03
549	98	-4.2633e-14	-1.3849e-02	1.1449e-16	-3.7587e+00	-1.7764e-15	5.9512e+00
	97	4.2633e-14	1.3849e-02	-1.1449e-16	3.7587e+00	-1.0658e-14	-9.6903e+00
550	90	2.2737e-13	-4.9143e+01	-2.8422e-14	1.1333e+03	0.0000e+00	3.9000e+02
	98	-2.2737e-13	4.9143e+01	2.8422e-14	-1.1333e+03	2.2737e-13	-1.4325e+03
551	92	-1.3323e-14	-2.0108e-02	2.7756e-17	1.0644e+02	0.0000e+00	1.6656e+00
	90	1.3323e-14	2.0108e-02	-2.7756e-17	-1.0644e+02	-2.8422e-14	-9.3469e+00
552	429	-2.1094e-14	4.7081e+02	2.2204e-16	6.1616e+02	0.0000e+00	2.3178e+04
	442	2.1094e-14	3.9859e+02	-2.2204e-16	-6.1616e+02	2.8422e-14	-1.1803e+04
553	435	-2.9310e-14	4.2053e+02	-3.3307e-16	3.7107e+03	8.5265e-14	1.8521e+04
	429	2.9310e-14	4.5715e+02	3.3307e-16	-3.7107e+03	-2.8422e-14	-2.4344e+04
554	458	1.3323e-14	1.7257e+02	-1.6653e-16	1.0652e+03	-4.2633e-14	9.1593e+03

	435	-1.3323e-14	2.0045e+02	1.6653e-16	-1.0652e+03	4.2633e-14	-1.3593e+04
555	467	4.9294e-14	2.0661e+02	-3.6082e-16	-4.3665e+02	-4.2633e-14	1.5202e+04
	458	-4.9294e-14	1.6640e+02	3.6082e-16	4.3665e+02	5.3291e-14	-8.8087e+03
556	449	3.5527e-15	4.7214e+02	2.0817e-16	-3.9842e+03	-1.7764e-15	2.6671e+04
	467	-3.5527e-15	4.2486e+02	-2.0817e-16	3.9842e+03	-1.0658e-14	-1.8990e+04
557	447	2.2204e-14	3.9751e+02	0.0000e+00	-6.4044e+02	2.8422e-14	1.4169e+04
	449	-2.2204e-14	4.8155e+02	0.0000e+00	6.4044e+02	-2.8422e-14	-2.7551e+04
558	445	7.3275e-15	2.2236e+02	-4.4409e-16	1.7309e+03	-1.4211e-14	1.6816e+04
	447	-7.3275e-15	1.4479e+02	4.4409e-16	-1.7309e+03	5.6843e-14	-4.6763e+03
559	456	-4.9294e-14	1.4009e+02	4.4409e-16	-3.8021e+03	0.0000e+00	1.4556e+03
	445	4.9294e-14	2.2490e+02	-4.4409e-16	3.8021e+03	-2.8422e-14	-1.4651e+04
560	452	0.0000e+00	3.0376e+02	-6.6613e-16	1.6181e+03	-8.5265e-14	1.5516e+04
	453	0.0000e+00	2.8960e+02	6.6613e-16	-1.6181e+03	-1.1369e-13	-1.3261e+04
561	90	2.8422e-14	1.1786e+02	-2.2204e-15	-5.8709e+02	2.8422e-14	5.4003e+03
	452	-2.8422e-14	8.1153e+01	2.2204e-15	5.8709e+02	-1.9895e-13	-2.2861e+03
562	424	2.1316e-14	3.0201e+02	-1.3323e-15	3.3396e+02	5.6843e-14	1.5663e+04
	169	-2.1316e-14	2.9481e+02	1.3323e-15	-3.3396e+02	2.8422e-13	-1.4509e+04
563	461	3.5527e-14	2.9662e+02	1.5543e-15	-3.9742e+02	1.7053e-13	1.5790e+04
	424	-3.5527e-14	2.9581e+02	-1.5543e-15	3.9742e+02	1.1369e-13	-1.5660e+04
572	420	3.5527e-14	3.0292e+02	0.0000e+00	-5.0253e+02	-1.7053e-13	1.5855e+04
	162	-3.5527e-14	2.9390e+02	0.0000e+00	5.0253e+02	-2.2737e-13	-1.4410e+04
573	436	1.4211e-14	2.8645e+02	-1.3323e-15	-1.9244e+03	5.6843e-14	1.3498e+04
	420	-1.4211e-14	3.0599e+02	1.3323e-15	1.9244e+03	1.7053e-13	-1.6605e+04
574	431	-3.5527e-14	-1.1660e+01	-2.2204e-16	2.0332e+02	8.5265e-14	-1.2349e+03
	436	3.5527e-14	1.1660e+01	2.2204e-16	-2.0332e+02	-1.7053e-13	-2.4729e+03
575	440	-1.4211e-14	1.1825e+01	9.9920e-16	-2.2546e+02	-1.1369e-13	2.5158e+03
	431	1.4211e-14	-1.1825e+01	-9.9920e-16	2.2546e+02	3.5527e-14	1.2445e+03
576	422	2.8422e-14	3.1747e+02	1.6653e-16	1.7247e+03	2.0961e-13	1.8507e+04
	440	-2.8422e-14	2.8801e+02	-1.6653e-16	-1.7247e+03	1.9895e-13	-1.3720e+04
577	416	-4.9738e-14	2.5378e+02	4.4409e-16	-2.9891e+03	2.8422e-14	1.0858e+04
	422	4.9738e-14	3.3958e+02	-4.4409e-16	2.9891e+03	-2.2737e-13	-2.4522e+04
578	426	-7.1054e-15	2.2008e+02	2.8866e-15	-3.3507e+03	0.0000e+00	-1.0650e+02
	416	7.1054e-15	3.6304e+02	-2.8866e-15	3.3507e+03	2.8422e-13	-2.2267e+04
579	78	-1.4211e-14	4.2212e+02	-1.7764e-15	7.2123e+03	2.2737e-13	3.5336e+04
	426	1.4211e-14	1.5794e+02	1.7764e-15	-7.2123e+03	2.2737e-13	5.7913e+03
588	174	2.8422e-14	-5.1189e+00	2.2204e-16	2.4835e+01	4.6185e-14	-8.8452e+02
	445	-2.8422e-14	5.1189e+00	-2.2204e-16	-2.4835e+01	2.8422e-14	-1.7722e+03
589	432	2.8422e-14	-6.0950e-01	-1.7764e-15	3.0259e+02	-5.6843e-13	1.1840e+02
	174	-2.8422e-14	6.0950e-01	1.7764e-15	-3.0259e+02	1.1369e-13	-2.3634e+02
590	439	1.0658e-13	1.2045e+02	-1.3323e-15	1.0724e+03	-1.7053e-13	1.9998e+02
	122	-1.0658e-13	1.6680e+02	1.3323e-15	-1.0724e+03	-1.1369e-13	-4.3394e+03
591	115	9.2371e-14	1.2252e+01	-6.2172e-15	-7.2888e+01	7.3896e-13	8.2502e+02
	123	-9.2371e-14	-1.2252e+01	6.2172e-15	7.2888e+01	-4.5475e-13	9.8661e+02
592	104	2.1316e-14	-2.4675e+00	-4.4409e-16	5.2884e+01	-2.8422e-14	-6.2372e+00
	115	-2.1316e-14	2.4675e+00	4.4409e-16	-5.2884e+01	-2.2737e-13	-4.2064e+02
593	92	7.8160e-14	5.7809e+00	-1.0436e-14	-1.1720e+01	-7.3896e-13	2.8608e+02
	104	-7.8160e-14	-5.7809e+00	1.0436e-14	1.1720e+01	1.2790e-13	5.6874e+02
594	104	-4.9294e-14	1.8590e+01	-1.3323e-15	-1.1264e+03	-1.5632e-13	5.5578e+03
	467	4.9294e-14	-1.8590e+01	1.3323e-15	1.1264e+03	-4.2633e-13	-2.4302e+03
595	123	2.1316e-14	-6.6439e+00	4.2188e-15	-3.1234e+02	5.1159e-13	4.3267e+03

	458	-2.1316e-14	6.6439e+00	-4.2188e-15	3.1234e+02	-1.1369e-13	-5.3377e+03
596	424	-1.4211e-14	-1.4983e+00	0.0000e+00	-3.8912e+01	-1.0658e-14	-3.5568e+02
	429	1.4211e-14	1.4983e+00	0.0000e+00	3.8912e+01	4.2633e-14	-4.2195e+02
598	461	-1.4211e-14	-1.0758e+01	8.3267e-17	2.7186e+02	-4.6185e-14	-1.6470e+03
	435	1.4211e-14	1.0758e+01	-8.3267e-17	-2.7186e+02	2.1316e-14	-3.9366e+03
599	459	5.6843e-14	2.3669e+01	0.0000e+00	5.8599e+01	0.0000e+00	1.8637e+03
	461	-5.6843e-14	-2.3669e+01	0.0000e+00	-5.8599e+01	-3.4106e-13	2.7163e+03
600	452	2.4869e-14	1.7627e+00	1.6653e-16	5.8577e+02	-3.5527e-15	8.3395e+02
	449	-2.4869e-14	-1.7627e+00	-1.6653e-16	-5.8577e+02	-2.1316e-14	8.0885e+01
601	423	-2.1316e-14	1.5905e+02	-8.8818e-16	-9.2840e+02	-2.2737e-13	4.0855e+03
	452	2.1316e-14	1.5210e+02	8.8818e-16	9.2840e+02	-4.5475e-13	-3.4136e+03
602	456	0.0000e+00	1.5250e+01	-9.7145e-17	1.9416e+03	3.5527e-15	6.2647e+03
	78	0.0000e+00	-1.5250e+01	9.7145e-17	-1.9416e+03	5.3291e-15	2.0770e+03
603	85	-1.4211e-14	4.1796e+02	9.7145e-17	6.0766e+02	2.1316e-14	3.6821e+04
	456	1.4211e-14	3.5268e+02	-9.7145e-17	-6.0766e+02	1.4211e-14	-2.0698e+04
604	442	-1.4211e-14	-8.9962e+00	2.7756e-17	1.8685e+02	-7.1054e-15	-2.8859e+03
	162	1.4211e-14	8.9962e+00	-2.7756e-17	-1.8685e+02	-7.1054e-15	-1.9453e+03
605	169	2.8422e-14	1.2604e+01	-1.3878e-17	-1.6592e+02	1.5987e-14	3.4173e+03
	442	-2.8422e-14	-1.2604e+01	1.3878e-17	1.6592e+02	-2.1316e-14	2.9353e+03
606	420	-1.7053e-13	-1.2442e+01	0.0000e+00	1.4336e+02	-1.1369e-13	-7.0175e+02
	419	1.7053e-13	1.2442e+01	0.0000e+00	-1.4336e+02	3.4106e-13	-1.7058e+03
607	429	-2.1316e-14	-9.8919e-01	-5.5511e-17	8.7411e+00	2.1316e-14	-7.1620e+02
	420	2.1316e-14	9.8919e-01	5.5511e-17	-8.7411e+00	-1.4211e-14	1.7016e+02
608	436	7.1054e-14	3.6922e+01	-8.8818e-16	-1.2589e+03	0.0000e+00	6.5338e+03
	443	-7.1054e-14	-3.6922e+01	8.8818e-16	1.2589e+03	3.4106e-13	6.1053e+02
609	435	0.0000e+00	2.1680e+02	8.3267e-17	2.9519e+02	-3.5527e-14	1.7385e+04
	436	0.0000e+00	2.2204e+02	-8.3267e-17	-2.9519e+02	-5.3291e-14	-1.8832e+04
610	431	7.1054e-14	1.3132e+02	-1.3323e-15	1.2404e+01	1.7053e-13	2.6932e+04
	417	-7.1054e-14	-1.3132e+02	1.3323e-15	-1.2404e+01	1.4211e-13	-1.5219e+03
611	458	-3.5527e-15	4.0666e+02	9.0206e-17	-2.5907e+01	-7.1054e-15	1.8392e+04
	431	3.5527e-15	4.7102e+02	-9.0206e-17	2.5907e+01	-1.5987e-14	-3.6154e+04
612	440	4.2188e-14	3.9667e+01	5.3291e-15	1.2681e+03	1.1369e-13	6.7196e+03
	438	-4.2188e-14	-3.9667e+01	-5.3291e-15	-1.2681e+03	3.4106e-13	9.5591e+02
613	467	-1.5987e-14	2.1538e+02	1.6653e-16	-2.4864e+02	3.5527e-14	1.6834e+04
	440	1.5987e-14	2.2346e+02	-1.6653e-16	2.4864e+02	6.0396e-14	-1.9064e+04
614	422	-1.4211e-14	9.0647e+00	3.5527e-15	7.0038e+02	-3.4106e-13	6.9245e+02
	448	1.4211e-14	-9.0647e+00	-3.5527e-15	-7.0038e+02	-3.4106e-13	1.0641e+03
615	449	1.4211e-14	-9.6811e-01	-1.9429e-16	-2.1982e+02	2.1316e-14	-8.4563e+02
	422	-1.4211e-14	9.6811e-01	1.9429e-16	2.1982e+02	8.8818e-14	3.1124e+02
616	426	8.5265e-14	-3.2030e+02	4.4409e-15	-3.9243e+03	2.2737e-13	-3.0027e+04
	433	-8.5265e-14	3.2030e+02	-4.4409e-15	3.9243e+03	1.1369e-13	-3.1952e+04
617	445	0.0000e+00	5.7718e+01	8.3267e-17	1.4063e+03	4.2633e-14	1.2667e+04
	426	0.0000e+00	-5.7718e+01	-8.3267e-17	-1.4063e+03	3.5527e-15	1.9194e+04
618	416	0.0000e+00	-4.4349e+02	-8.8818e-16	7.7822e+03	-8.5265e-14	-5.6658e+04
	434	0.0000e+00	4.4349e+02	8.8818e-16	-7.7822e+03	1.1369e-13	-2.9158e+04
619	447	-2.1316e-14	1.7333e+02	-1.3878e-17	-3.6267e+03	-1.7764e-14	3.8661e+04
	416	2.1316e-14	-1.7333e+02	1.3878e-17	3.6267e+03	1.7764e-15	5.7019e+04
620	453	7.1054e-15	3.7429e+02	-1.0408e-16	-4.3369e+02	1.0658e-14	2.4462e+04
	447	-7.1054e-15	4.3535e+02	1.0408e-16	4.3369e+02	1.0658e-14	-4.0309e+04
621	468	-8.5265e-14	9.2362e+01	1.7764e-15	1.7883e+03	-1.4211e-13	4.0353e+03

	453	8.5265e-14	2.0994e+02	-1.7764e-15	-1.7883e+03	-2.2737e-13	-1.5428e+04
622	364	2.4536e-14	-3.8995e+01	1.3878e-16	-2.4879e+02	2.4869e-14	-5.7180e+03
	363	-2.4536e-14	3.8995e+01	-1.3878e-16	2.4879e+02	-1.0658e-14	-6.5654e+03
623	382	3.7137e-14	1.1219e+01	-4.3021e-16	-5.0117e+02	-2.6645e-14	1.1691e+03
	364	-3.7137e-14	-1.1219e+01	4.3021e-16	5.0117e+02	-2.3093e-14	2.3986e+03
624	339	1.3767e-14	1.5132e+01	-4.2327e-16	7.3974e+02	1.9540e-14	2.3584e+03
	382	-1.3767e-14	-1.5132e+01	4.2327e-16	-7.3974e+02	-6.2172e-15	2.4536e+03
625	334	-4.0135e-14	-8.3581e+00	-3.0011e-16	1.7963e+02	-5.2847e-14	-9.4370e+02
	339	4.0135e-14	8.3581e+00	3.0011e-16	-1.7963e+02	1.1102e-15	-1.7142e+03
626	378	-1.6653e-16	-1.1562e+01	-2.0817e-17	-3.4089e+02	3.4639e-14	-1.7951e+03
	334	1.6653e-16	1.1562e+01	2.0817e-17	3.4089e+02	-1.9096e-14	-1.9626e+03
627	384	1.3656e-14	-1.0212e+01	-1.1796e-16	-1.3668e+02	-2.4869e-14	-2.2826e+03
	378	-1.3656e-14	1.0212e+01	1.1796e-16	1.3668e+02	4.9738e-14	-9.6998e+02
628	362	9.3814e-15	4.7737e+01	2.3592e-16	-1.3143e+02	2.8422e-14	6.9716e+03
	384	-9.3814e-15	-4.7737e+01	-2.3592e-16	1.3143e+02	-3.9080e-14	7.9702e+03
629	347	1.6653e-16	5.7025e+00	-6.9389e-17	5.9878e+02	-2.1316e-14	1.7713e+03
	362	-1.6653e-16	-5.7025e+00	6.9389e-17	-5.9878e+02	1.4211e-14	3.0877e+00
630	338	-8.8818e-15	4.7974e+00	-6.8001e-16	1.6346e+02	-4.2633e-14	8.9360e+02
	350	8.8818e-15	-4.7974e+00	6.8001e-16	-1.6346e+02	0.0000e+00	6.3436e+02
631	88	-1.7764e-15	5.1969e+01	-2.0539e-15	4.4981e+02	2.6645e-13	4.3233e+03
	338	1.7764e-15	-5.1969e+01	2.0539e-15	-4.4981e+02	1.6698e-13	4.4939e+03
632	356	-4.1744e-14	-9.5504e+00	-5.5511e-16	1.5881e+02	-2.8422e-14	-1.3941e+03
	166	4.1744e-14	9.5504e+00	5.5511e-16	-1.5881e+02	-9.2371e-14	-1.6654e+03
633	348	9.7700e-15	6.5232e-01	4.7184e-16	6.9315e+01	1.4211e-14	2.3852e+01
	356	-9.7700e-15	-6.5232e-01	-4.7184e-16	-6.9315e+01	-1.0303e-13	1.8359e+02
634	119	8.8818e-15	9.3963e+00	-5.2736e-16	-1.9908e+02	-7.8160e-14	1.6596e+03
	348	-8.8818e-15	-9.3963e+00	5.2736e-16	1.9908e+02	9.5923e-14	1.3974e+03
643	381	1.3323e-14	-9.6016e+00	9.4369e-16	-6.1944e+01	2.1316e-14	-1.4179e+03
	128	-1.3323e-14	9.6016e+00	-9.4369e-16	6.1944e+01	-7.1054e-15	-1.6580e+03
644	376	-1.3323e-14	3.5701e+00	-4.1633e-16	2.4341e+02	-8.5265e-14	6.5422e+02
	381	1.3323e-14	-3.5701e+00	4.1633e-16	-2.4341e+02	8.5265e-14	4.8109e+02
645	373	-1.3323e-14	2.1464e+00	4.8572e-16	-1.3826e+02	-1.4211e-14	2.3218e+02
	376	1.3323e-14	-2.1464e+00	-4.8572e-16	1.3826e+02	-9.4147e-14	4.5037e+02
646	361	2.4869e-14	-1.8814e+00	8.6042e-16	1.1023e+02	8.7041e-14	-4.0385e+02
	373	-2.4869e-14	1.8814e+00	-8.6042e-16	-1.1023e+02	8.0824e-14	-1.9444e+02
647	375	2.1316e-14	-5.1332e+00	6.8695e-16	-2.4347e+02	-3.2863e-14	-7.9923e+02
	361	-2.1316e-14	5.1332e+00	-6.8695e-16	2.4347e+02	-1.2434e-14	-8.6908e+02
648	369	8.8818e-15	2.5092e+00	-2.4980e-16	6.5703e+01	5.6843e-14	3.1027e+02
	375	-8.8818e-15	-2.5092e+00	2.4980e-16	-6.5703e+01	7.8160e-14	4.8891e+02
649	388	-3.3751e-14	2.2391e+00	6.3838e-16	1.8646e+02	4.9738e-14	3.7235e+02
	369	3.3751e-14	-2.2391e+00	-6.3838e-16	-1.8646e+02	4.2633e-14	3.2849e+02
650	76	2.0428e-14	1.3909e+00	6.1062e-16	-8.6047e+01	-7.8160e-14	6.2709e+02
	388	-2.0428e-14	-1.3909e+00	-6.1062e-16	8.6047e+01	7.1054e-14	-1.9402e+02
659	173	5.3291e-15	5.7184e-01	-7.2858e-17	-7.5248e+01	3.3307e-14	-9.2028e+01
	362	-5.3291e-15	-5.7184e-01	7.2858e-17	7.5248e+01	4.7962e-14	3.8881e+02
660	353	1.4211e-14	6.7738e+00	-4.1078e-15	4.9477e+02	1.4211e-13	9.1150e+02
	173	-1.4211e-14	-6.7738e+00	4.1078e-15	-4.9477e+02	2.1316e-13	3.9924e+02
661	355	5.2403e-14	-5.8554e+00	-5.5511e-17	-4.0002e+02	-1.5632e-13	-1.7724e+02
	119	-5.2403e-14	5.8554e+00	5.5511e-17	4.0002e+02	-1.7764e-13	-8.6875e+02
662	113	6.2172e-15	1.6277e+01	8.8818e-15	-4.1186e+01	6.3949e-14	1.0911e+03

	121	-6.2172e-15	-1.6277e+01	-8.8818e-15	4.1186e+01	2.3803e-13	1.3158e+03
663	102	2.8422e-14	-4.9889e+00	-2.0400e-15	5.4165e+01	-1.5454e-13	-3.7833e+02
	113	-2.8422e-14	4.9889e+00	2.0400e-15	-5.4165e+01	-1.9718e-13	-4.8474e+02
664	89	2.0428e-14	2.0221e+00	2.5258e-15	-6.0222e+01	-2.8022e-13	1.4641e+02
	102	-2.0428e-14	-2.0221e+00	-2.5258e-15	6.0222e+01	3.5527e-15	1.5260e+02
665	102	-4.2820e-14	9.7966e+01	3.3307e-15	-1.1825e+02	-1.2523e-13	8.3653e+03
	334	4.2820e-14	-9.7966e+01	-3.3307e-15	1.1825e+02	-3.0376e-13	8.1166e+03
666	121	1.2434e-14	1.1207e+02	-1.1102e-16	1.3316e+02	-8.0824e-14	8.5573e+03
	339	-1.2434e-14	-1.1207e+02	1.1102e-16	-1.3316e+02	-1.9540e-13	8.4953e+03
667	356	1.9540e-14	2.3841e+00	1.1796e-16	-3.5411e+01	1.2434e-14	5.0695e+02
	364	-1.9540e-14	-2.3841e+00	-1.1796e-16	3.5411e+01	6.2172e-15	7.3037e+02
668	367	1.4211e-14	2.1078e+01	-2.2204e-15	-2.4311e+00	1.5632e-13	2.0460e+03
	356	-1.4211e-14	-2.1078e+01	2.2204e-15	2.4311e+00	7.8160e-14	2.0326e+03
669	348	3.5527e-15	3.1947e+00	-1.7000e-16	-7.8336e+00	-2.4869e-14	5.7005e+02
	382	-3.5527e-15	-3.1947e+00	1.7000e-16	7.8336e+00	4.9738e-14	1.0880e+03
670	349	0.0000e+00	1.8616e+01	-2.2204e-15	2.2883e+01	3.3396e-13	1.9011e+03
	348	0.0000e+00	-1.8616e+01	2.2204e-15	-2.2883e+01	-1.4211e-14	1.7012e+03
671	338	-1.5987e-14	2.9554e+00	-5.2042e-16	-7.8652e+01	-1.5188e-13	6.0711e+02
	378	1.5987e-14	-2.9554e+00	5.2042e-16	7.8652e+01	-1.5987e-13	9.2675e+02
672	368	-5.5955e-14	1.1906e+01	-5.3291e-15	1.2077e+02	-3.2685e-13	1.4353e+03
	338	5.5955e-14	-1.1906e+01	5.3291e-15	-1.2077e+02	-4.2633e-14	8.6854e+02
673	347	1.6875e-14	-1.1835e+01	3.8164e-17	-3.4672e+02	-2.4869e-14	-3.4508e+03
	76	-1.6875e-14	1.1835e+01	-3.8164e-17	3.4672e+02	-1.0991e-14	-3.0230e+03
674	83	2.3093e-14	4.2672e+00	-7.5460e-17	3.9614e+01	-3.5527e-15	1.3319e+03
	347	-2.3093e-14	-4.2672e+00	7.5460e-17	-3.9614e+01	0.0000e+00	7.7610e+02
675	363	-3.5527e-15	-8.0872e+00	4.3368e-17	1.6391e+02	-4.4409e-15	-2.3102e+03
	128	3.5527e-15	8.0872e+00	-4.3368e-17	-1.6391e+02	1.3656e-14	-2.0328e+03
676	166	-1.9540e-14	1.3844e+01	-2.8623e-17	-1.5638e+02	1.5987e-14	3.6260e+03
	363	1.9540e-14	-1.3844e+01	2.8623e-17	1.5638e+02	3.1086e-15	3.3516e+03
677	381	5.5067e-14	-2.1548e+01	7.7716e-16	6.0999e-01	-9.9476e-14	-2.2468e+03
	380	-5.5067e-14	2.1548e+01	-7.7716e-16	-6.0999e-01	-2.5580e-13	-1.9227e+03
678	364	-1.2434e-14	-5.7984e-01	-1.3357e-16	6.2285e+01	1.4211e-14	-1.4415e+02
	381	1.2434e-14	5.7984e-01	1.3357e-16	-6.2285e+01	4.6629e-14	-1.7592e+02
679	376	5.1514e-14	-2.8833e+01	-2.9976e-15	3.1694e+02	2.2737e-13	-3.3400e+03
	370	-5.1514e-14	2.8833e+01	2.9976e-15	-3.1694e+02	5.6843e-14	-2.2392e+03
680	382	-8.4377e-15	-3.9987e-01	-1.0061e-16	-1.4957e+02	-7.2831e-14	1.8109e+02
	376	8.4377e-15	3.9987e-01	1.0061e-16	1.4957e+02	-5.7732e-15	-4.0182e+02
681	373	-1.8652e-14	-3.3485e+01	3.7748e-15	4.1691e+00	-3.4817e-13	-3.6535e+03
	383	1.8652e-14	3.3485e+01	-3.7748e-15	-4.1691e+00	-3.3396e-13	-2.8259e+03
682	339	-6.6613e-15	-5.6292e+00	5.2042e-18	-3.7129e+01	2.6645e-15	-1.5662e+03
	373	6.6613e-15	5.6292e+00	-5.2042e-18	3.7129e+01	-1.0658e-14	-1.5411e+03
683	361	4.8683e-14	-2.9965e+01	3.7748e-15	-2.7075e+02	1.9185e-13	-3.3817e+03
	371	-4.8683e-14	2.9965e+01	-3.7748e-15	2.7075e+02	3.7659e-13	-2.4165e+03
684	334	8.3059e-15	-2.8838e+00	-7.6328e-17	1.6872e+02	2.8422e-14	-7.9946e+02
	361	-8.3059e-15	2.8838e+00	7.6328e-17	-1.6872e+02	3.3307e-14	-7.9242e+02
685	375	-2.6645e-15	-3.2656e+01	-4.4409e-16	-2.5887e+02	1.8474e-13	-3.0656e+03
	354	2.6645e-15	3.2656e+01	4.4409e-16	2.5887e+02	1.2790e-13	-3.2626e+03
686	378	-3.5527e-15	-8.6091e-01	-1.3184e-16	1.4419e+02	-7.1054e-15	-2.5687e+02
	375	3.5527e-15	8.6091e-01	1.3184e-16	-1.4419e+02	2.0872e-14	-2.1835e+02
687	388	-7.1054e-15	-3.1541e+00	-3.9968e-15	-1.9056e+02	-1.4211e-14	1.1029e+03

	386	7.1054e-15	3.1541e+00	3.9968e-15	1.9056e+02	3.6948e-13	-1.7132e+03
688	362	1.9540e-14	-2.3059e+00	5.8981e-17	-7.8664e+00	8.8818e-15	-4.5170e+02
	388	-1.9540e-14	2.3059e+00	-5.8981e-17	7.8664e+00	-4.4409e-15	-8.2114e+02
689	369	5.1514e-14	-1.3056e+01	1.1935e-15	-5.0139e+02	-1.4566e-13	3.6590e+03
	385	-5.1514e-14	1.3056e+01	-1.1935e-15	5.0139e+02	-2.1316e-14	-6.1854e+03
690	384	1.1102e-14	-1.2786e+01	4.3368e-18	1.3737e+02	7.5495e-15	-3.2782e+03
	369	-1.1102e-14	1.2786e+01	-4.3368e-18	-1.3737e+02	6.6613e-15	-3.7798e+03
691	350	-8.8818e-15	4.3290e+00	-7.8063e-18	2.6412e+02	-6.6613e-15	-1.9973e+02
	384	8.8818e-15	-4.3290e+00	7.8063e-18	-2.6412e+02	-1.9096e-14	2.4465e+03
692	352	0.0000e+00	6.8692e+01	-4.9960e-16	-3.9163e+02	-1.1369e-13	6.3323e+03
	350	0.0000e+00	-6.8692e+01	4.9960e-16	3.9163e+02	4.6185e-14	6.9792e+03
693	172	7.1054e-15	3.0020e+00	5.5511e-17	-3.2940e+01	-2.8422e-14	8.0358e+02
	141	-7.1054e-15	-3.0020e+00	-5.5511e-17	3.2940e+01	0.0000e+00	7.5447e+02
694	130	-1.4211e-14	-1.2473e+01	-8.8818e-16	5.2789e+01	0.0000e+00	-1.1799e+03
	172	1.4211e-14	1.2473e+01	8.8818e-16	-5.2789e+01	0.0000e+00	-1.2336e+03
695	171	2.9767e+01	3.6084e+00	1.9988e+00	6.1582e+00	-3.6706e+02	6.4359e+02
	172	-2.9767e+01	-3.6084e+00	-1.9988e+00	-6.1582e+00	-2.9255e+02	5.4720e+02
696	134	-3.1974e-14	1.5604e+00	-5.3291e-15	1.7597e+02	-2.2737e-13	5.2306e+01
	503	3.1974e-14	-1.5604e+00	5.3291e-15	-1.7597e+02	-1.1369e-13	2.2643e+02
697	496	-1.4211e-14	8.0972e+00	-8.8818e-16	4.6119e+01	5.6843e-14	5.4649e+02
	504	1.4211e-14	-8.0972e+00	8.8818e-16	-4.6119e+01	-2.1316e-14	6.5082e+02
698	494	1.4211e-14	-1.8945e+00	-2.4980e-16	1.1844e+01	-3.1974e-14	-8.3013e+01
	496	-1.4211e-14	1.8945e+00	2.4980e-16	-1.1844e+01	5.3291e-15	-2.4474e+02
699	493	3.5527e-15	-5.7504e-01	7.7716e-16	-2.6067e+01	-1.5188e-13	-5.8664e+01
	494	-3.5527e-15	5.7504e-01	-7.7716e-16	2.6067e+01	-4.9738e-14	-2.6366e+01
700	494	-1.2323e-14	2.2934e+01	-1.1102e-16	-1.9304e+01	-1.4211e-14	2.0693e+03
	144	1.2323e-14	-2.2934e+01	1.1102e-16	1.9304e+01	1.4211e-14	1.7891e+03
701	504	3.5527e-15	2.1592e+01	6.6613e-16	-4.3836e+01	-5.6843e-14	1.8397e+03
	145	-3.5527e-15	-2.1592e+01	-6.6613e-16	4.3836e+01	-5.6843e-14	1.4459e+03
702	137	0.0000e+00	1.1925e+00	-2.7756e-16	-1.3941e+01	-1.4211e-14	2.4292e+02
	147	0.0000e+00	-1.1925e+00	2.7756e-16	1.3941e+01	0.0000e+00	3.7599e+02
703	136	2.8422e-14	6.1752e+00	0.0000e+00	-2.6557e+01	3.4106e-13	4.6590e+02
	137	-2.8422e-14	-6.1752e+00	0.0000e+00	2.6557e+01	1.1369e-13	7.2900e+02
704	138	3.5527e-15	1.0061e+00	-5.5511e-17	6.0052e+00	5.6843e-14	2.0120e+02
	146	-3.5527e-15	-1.0061e+00	5.5511e-17	-6.0052e+00	5.6843e-14	3.2098e+02
705	135	7.1054e-15	5.9919e+00	8.8818e-16	7.7109e+00	2.2737e-13	4.5381e+02
	138	-7.1054e-15	-5.9919e+00	-8.8818e-16	-7.7109e+00	2.2737e-13	7.0562e+02
706	140	3.5527e-15	1.7911e+00	1.6653e-16	4.2434e+00	-2.8422e-14	4.3136e+02
	143	-3.5527e-15	-1.7911e+00	-1.6653e-16	-4.2434e+00	0.0000e+00	4.9822e+02
707	132	-1.4211e-14	2.4851e+00	0.0000e+00	-6.2122e+01	2.2737e-13	1.4839e+02
	140	1.4211e-14	-2.4851e+00	0.0000e+00	6.2122e+01	3.4106e-13	3.3248e+02
708	161	7.1054e-15	-6.5043e-01	5.3668e-18	-4.7419e+01	-3.9968e-15	-2.1481e+02
	482	-7.1054e-15	6.5043e-01	-5.3668e-18	4.7419e+01	-4.4409e-16	-1.4098e+02
709	579	-2.8422e-14	1.4205e+01	8.8818e-16	1.6252e+02	-1.7053e-13	7.0416e+02
	161	2.8422e-14	-1.4205e+01	-8.8818e-16	-1.6252e+02	-1.1369e-13	3.9123e+02
710	25	5.6843e-14	5.1312e+01	1.7764e-15	-6.8112e+01	1.1369e-13	2.3717e+03
	479	-5.6843e-14	-5.1312e+01	-1.7764e-15	6.8112e+01	0.0000e+00	2.9391e+03
711	148	3.5527e-15	-6.2193e-01	-1.3010e-17	2.3196e-01	-3.5527e-15	-1.5228e+02
	474	-3.5527e-15	6.2193e-01	1.3010e-17	-2.3196e-01	-3.5527e-15	-1.8171e+02
712	478	3.5527e-15	1.1006e+00	2.7756e-17	-6.8387e-01	3.5527e-15	2.7614e+02

	148	-3.5527e-15	-1.1006e+00	-2.7756e-17	6.8387e-01	7.1054e-15	2.7860e+02
713	156	0.0000e+00	-1.0687e+01	-3.5527e-15	3.4657e+01	2.8422e-13	-1.0844e+03
	160	0.0000e+00	1.0687e+01	3.5527e-15	-3.4657e+01	-1.7053e-13	-9.8350e+02
714	147	0.0000e+00	-3.6137e-01	-7.2858e-17	-8.5785e+00	-2.1316e-14	-1.8498e+02
	156	0.0000e+00	3.6137e-01	7.2858e-17	8.5785e+00	-4.9738e-14	-1.4496e+01
715	155	2.8422e-14	-1.2374e+01	-1.7764e-15	-2.9238e+00	-1.7053e-13	-1.2103e+03
	159	-2.8422e-14	1.2374e+01	1.7764e-15	2.9238e+00	5.6843e-14	-1.1840e+03
716	146	-3.5527e-15	-3.4591e-01	-1.8215e-16	-4.7210e+00	4.2633e-14	-2.0146e+02
	155	3.5527e-15	3.4591e-01	1.8215e-16	4.7210e+00	1.7764e-15	1.0521e+01
717	154	-1.4211e-14	-1.5972e+01	-8.8818e-16	-1.5243e+01	-3.4106e-13	-1.5413e+03
	158	1.4211e-14	1.5972e+01	8.8818e-16	1.5243e+01	-1.7053e-13	-1.5492e+03
718	145	-1.7764e-15	-7.5849e-02	-7.4593e-17	-2.2891e+01	-2.4869e-14	-2.1282e+02
	154	1.7764e-15	7.5849e-02	7.4593e-17	2.2891e+01	5.3291e-15	1.7095e+02
719	153	3.2196e-15	-1.3029e+01	3.5527e-15	5.5761e+00	-5.6843e-14	-1.2451e+03
	157	-3.2196e-15	1.3029e+01	-3.5527e-15	-5.5761e+00	-1.1369e-13	-1.2760e+03
720	144	-5.4401e-15	-2.9858e-01	-1.0755e-16	1.5930e+01	0.0000e+00	-2.7324e+02
	153	5.4401e-15	2.9858e-01	1.0755e-16	-1.5930e+01	-3.9080e-14	1.0842e+02
721	151	-2.1316e-14	-1.0951e+01	-6.2172e-15	-1.1048e+02	1.1369e-13	-1.0384e+03
	152	2.1316e-14	1.0951e+01	6.2172e-15	1.1048e+02	-1.7053e-13	-1.0838e+03
722	143	-1.7764e-15	-4.9684e-01	3.9899e-17	4.0340e+01	0.0000e+00	-2.3683e+02
	151	1.7764e-15	4.9684e-01	-3.9899e-17	-4.0340e+01	5.3291e-15	-3.7431e+01
723	194	-2.8422e-14	2.3572e+01	1.7764e-15	5.2302e+01	-2.8422e-13	2.2707e+03
	149	2.8422e-14	-2.3572e+01	-1.7764e-15	-5.2302e+01	-2.8422e-13	2.2906e+03
724	141	-2.8422e-14	-3.1336e+00	1.4225e-16	-1.8450e+01	-3.5527e-14	-7.7508e+02
	194	2.8422e-14	3.1336e+00	-1.4225e-16	1.8450e+01	-4.6185e-14	-9.5467e+02
725	195	-1.4211e-14	2.5494e+01	-3.5527e-15	-1.4541e+02	-2.2737e-13	2.4944e+03
	150	1.4211e-14	-2.5494e+01	3.5527e-15	1.4541e+02	-5.6843e-14	2.4388e+03
726	142	-7.1054e-15	-4.0565e+00	2.3245e-16	2.6802e+01	-4.6185e-14	-1.0025e+03
	195	7.1054e-15	4.0565e+00	-2.3245e-16	-2.6802e+01	0.0000e+00	-1.2367e+03
727	139	1.4211e-14	1.4831e+00	5.5511e-17	-1.1041e+01	1.4211e-14	2.7995e+02
	142	-1.4211e-14	-1.4831e+00	-5.5511e-17	1.1041e+01	0.0000e+00	4.8980e+02
728	131	2.1316e-14	6.6075e+00	-1.7764e-15	3.8852e+01	0.0000e+00	4.8577e+02
	139	-2.1316e-14	-6.6075e+00	1.7764e-15	-3.8852e+01	1.1369e-13	7.9467e+02
729	147	-8.8818e-15	-1.9062e+00	-4.4409e-16	9.7850e+00	-2.8422e-14	-3.2427e+02
	148	8.8818e-15	1.9062e+00	4.4409e-16	-9.7850e+00	0.0000e+00	-2.7619e+02
730	146	-5.3291e-15	1.1065e+00	2.2204e-16	6.6012e+00	-1.4211e-14	1.7251e+02
	147	5.3291e-15	-1.1065e+00	-2.2204e-16	-6.6012e+00	-2.8422e-14	1.7935e+02
731	145	-1.7764e-15	4.1616e+00	-5.5511e-17	1.0719e+02	-1.4211e-14	6.5696e+02
	146	1.7764e-15	-4.1616e+00	5.5511e-17	-1.0719e+02	-7.1054e-15	6.6641e+02
732	144	3.5527e-15	9.9394e-02	-1.3878e-16	1.0359e+01	-1.7764e-14	3.1959e+01
	145	-3.5527e-15	-9.9394e-02	1.3878e-16	-1.0359e+01	-2.1316e-14	-3.5197e-01
733	143	3.5527e-15	-2.9533e+00	2.2204e-16	-1.0805e+02	-1.5987e-14	-4.8170e+02
	144	-3.5527e-15	2.9533e+00	-2.2204e-16	1.0805e+02	-7.1054e-15	-4.7811e+02
734	142	-1.7764e-15	1.6111e-01	1.6653e-16	-8.7908e+01	-2.1316e-14	7.8897e+00
	143	1.7764e-15	-1.6111e-01	-1.6653e-16	8.7908e+01	1.4211e-14	4.3425e+01
735	141	-8.8818e-15	7.1162e+00	3.3307e-16	5.3841e+01	-1.4211e-14	1.1208e+03
	142	8.8818e-15	-7.1162e+00	-3.3307e-16	-5.3841e+01	0.0000e+00	1.1066e+03
736	161	-3.5527e-15	1.1453e+00	6.6613e-16	1.0024e+02	-5.6843e-14	5.8237e+01
	141	3.5527e-15	-1.1453e+00	-6.6613e-16	-1.0024e+02	2.8422e-14	2.9814e+02
737	140	-3.5527e-15	2.5461e+00	1.6653e-16	8.4578e+00	1.4211e-14	3.7783e+02

	139	3.5527e-15	-2.5461e+00	-1.6653e-16	-8.4578e+00	-1.4211e-14	4.3310e+02
738	492	1.4211e-14	1.0648e+01	1.3323e-15	1.1133e+02	7.1054e-14	8.8543e+02
	140	-1.4211e-14	-1.0648e+01	-1.3323e-15	-1.1133e+02	1.1369e-13	9.2108e+02
739	137	0.0000e+00	-1.2708e+00	1.1102e-16	9.3862e+01	0.0000e+00	-2.3856e+02
	478	0.0000e+00	1.2708e+00	-1.1102e-16	-9.3862e+01	0.0000e+00	-1.6855e+02
740	138	-3.5527e-15	6.0836e-01	4.4409e-16	-2.3674e+00	0.0000e+00	1.0621e+02
	137	3.5527e-15	-6.0836e-01	-4.4409e-16	2.3674e+00	0.0000e+00	8.7253e+01
741	503	7.1054e-15	1.7267e+00	1.1102e-16	-4.5754e+01	0.0000e+00	2.0773e+02
	138	-7.1054e-15	-1.7267e+00	-1.1102e-16	4.5754e+01	0.0000e+00	3.5404e+02
742	136	0.0000e+00	1.1914e+00	0.0000e+00	1.1803e+02	0.0000e+00	1.8001e+02
	479	0.0000e+00	-1.1914e+00	0.0000e+00	-1.1803e+02	2.8422e-14	2.0166e+02
743	135	0.0000e+00	4.1054e-01	1.1102e-16	-5.6116e+00	0.0000e+00	8.4547e+01
	136	0.0000e+00	-4.1054e-01	-1.1102e-16	5.6116e+00	-2.8422e-14	4.6005e+01
744	134	-7.1054e-15	1.0058e+00	5.5511e-17	-7.0829e+01	1.4211e-14	1.2910e+02
	135	7.1054e-15	-1.0058e+00	-5.5511e-17	7.0829e+01	1.4211e-14	1.9076e+02
745	133	7.1054e-15	1.3172e+00	1.6653e-16	-7.9455e+01	2.1316e-14	2.3589e+02
	134	-7.1054e-15	-1.3172e+00	-1.6653e-16	7.9455e+01	-2.6645e-14	1.8296e+02
746	132	0.0000e+00	-1.9744e+00	-1.6653e-16	9.9999e+01	-1.7764e-14	-3.2782e+02
	133	0.0000e+00	1.9744e+00	1.6653e-16	-9.9999e+01	1.7764e-14	-3.1386e+02
747	131	-1.4211e-14	-1.4424e+00	-1.1102e-16	4.3657e+01	2.8422e-14	-2.3965e+02
	132	1.4211e-14	1.4424e+00	1.1102e-16	-4.3657e+01	2.8422e-14	-2.3489e+02
748	130	7.1054e-15	3.5218e+00	2.2204e-16	-2.3851e+02	2.8422e-14	5.3314e+02
	131	-7.1054e-15	-3.5218e+00	-2.2204e-16	2.3851e+02	0.0000e+00	5.3220e+02
749	488	0.0000e+00	-1.6317e+00	-2.2204e-16	1.1653e+02	-2.8422e-14	-2.5834e+02
	130	0.0000e+00	1.6317e+00	2.2204e-16	-1.1653e+02	0.0000e+00	-2.4972e+02
750	156	-5.3291e-15	-5.6101e-01	-5.5511e-16	-1.4691e+02	0.0000e+00	-1.1227e+02
	474	5.3291e-15	5.6101e-01	5.5511e-16	1.4691e+02	-2.8422e-14	-6.7453e+01
751	155	-5.3291e-15	1.6276e+00	1.1102e-16	-2.3194e+01	0.0000e+00	2.5271e+02
	156	5.3291e-15	-1.6276e+00	-1.1102e-16	2.3194e+01	0.0000e+00	2.6485e+02
752	154	5.3291e-15	1.4360e+00	5.5511e-17	-1.6146e+01	-1.4211e-14	2.3608e+02
	155	-5.3291e-15	-1.4360e+00	-5.5511e-17	1.6146e+01	0.0000e+00	2.2055e+02
753	153	5.3291e-15	3.6712e-01	1.9429e-16	1.1872e+01	-1.4211e-14	4.7840e+01
	154	-5.3291e-15	-3.6712e-01	-1.9429e-16	-1.1872e+01	-1.7764e-14	6.8905e+01
754	151	0.0000e+00	-9.9431e-01	0.0000e+00	1.9988e+01	0.0000e+00	-1.7979e+02
	153	0.0000e+00	9.9431e-01	0.0000e+00	-1.9988e+01	1.7764e-14	-1.4336e+02
755	195	5.3291e-15	7.4716e+00	-2.2204e-16	2.2288e+02	2.1316e-14	1.1814e+03
	151	-5.3291e-15	-7.4716e+00	2.2204e-16	-2.2288e+02	2.8422e-14	1.1983e+03
756	194	7.1054e-15	2.1931e+00	-1.1102e-16	1.4029e+01	-4.2633e-14	3.8191e+02
	195	-7.1054e-15	-2.1931e+00	1.1102e-16	-1.4029e+01	-1.4211e-14	3.0452e+02
757	482	0.0000e+00	-2.6150e+00	2.2204e-16	-1.3616e+02	-8.5265e-14	-4.4213e+02
	194	0.0000e+00	2.6150e+00	-2.2204e-16	1.3616e+02	-2.8422e-14	-3.7208e+02
758	160	3.5527e-15	2.6242e+00	1.1102e-16	-1.1174e+02	-2.8422e-14	4.2162e+02
	475	-3.5527e-15	-2.6242e+00	-1.1102e-16	1.1174e+02	-4.2633e-14	4.1906e+02
759	159	7.1054e-15	1.7700e+00	-1.1102e-16	-3.7349e+00	-1.4211e-14	2.8412e+02
	160	-7.1054e-15	-1.7700e+00	1.1102e-16	3.7349e+00	-4.2633e-14	2.7874e+02
760	158	7.1054e-15	2.0185e+00	-1.1102e-16	-6.4044e+00	-7.1054e-15	3.3061e+02
	159	-7.1054e-15	-2.0185e+00	1.1102e-16	6.4044e+00	-7.1054e-15	3.1128e+02
761	157	-3.5527e-15	-2.4275e-01	-6.9389e-17	1.4961e+01	-1.0658e-14	-5.2593e+01
	158	3.5527e-15	2.4275e-01	6.9389e-17	-1.4961e+01	2.6645e-14	-2.4603e+01
762	152	-1.7764e-15	-9.3827e-01	5.5511e-17	1.7803e+01	-8.8818e-15	-1.4902e+02

	157	1.7764e-15	9.3827e-01	-5.5511e-17	-1.7803e+01	-3.1974e-14	-1.6577e+02
763	150	3.5527e-15	-5.0592e-01	-1.1102e-16	1.9923e+02	-7.1054e-15	-7.8412e+01
	152	-3.5527e-15	5.0592e-01	1.1102e-16	-1.9923e+02	-1.4211e-14	-7.7410e+01
764	149	-3.5527e-15	2.5538e+00	1.1102e-16	-4.4578e+00	4.2633e-14	3.9093e+02
	150	3.5527e-15	-2.5538e+00	-1.1102e-16	4.4578e+00	0.0000e+00	4.0841e+02
765	483	3.5527e-15	3.3662e+00	1.1102e-16	-1.3602e+02	1.4211e-14	5.0469e+02
	149	-3.5527e-15	-3.3662e+00	-1.1102e-16	1.3602e+02	0.0000e+00	5.4342e+02
806	352	2.4414e+02	1.2795e+01	-2.0623e+01	-8.5146e+00	3.0923e+03	1.2899e+03
	468	-2.4414e+02	-1.2795e+01	2.0623e+01	8.5146e+00	3.5069e+03	2.8045e+03
807	334	8.2827e+02	-1.4808e+01	-5.1568e+01	-5.9289e+00	5.7021e+03	-1.6967e+03
	467	-8.2827e+02	1.4808e+01	5.1568e+01	5.9289e+00	1.0800e+04	-3.0418e+03
808	348	5.6466e+02	2.7202e+00	-4.9754e+00	-8.5146e+00	9.9723e+02	6.3133e+02
	461	-5.6466e+02	-2.7202e+00	4.9754e+00	8.5146e+00	5.9488e+02	2.3913e+02
809	349	1.8492e+02	2.8746e-01	-8.5337e+00	-5.9289e+00	1.1264e+03	1.7874e+02
	459	-1.8492e+02	-2.8746e-01	8.5337e+00	5.9289e+00	1.6044e+03	-8.6754e+01
810	339	7.5228e+02	2.5022e+00	-5.4215e+01	-5.9289e+00	5.8045e+03	4.0960e+02
	458	-7.5228e+02	-2.5022e+00	5.4215e+01	5.9289e+00	1.1544e+04	3.9112e+02
811	347	5.0802e+02	1.2338e+01	4.6076e+01	-8.5146e+00	-4.1580e+03	1.2815e+03
	456	-5.0802e+02	-1.2338e+01	-4.6076e+01	8.5146e+00	-1.0586e+04	2.6666e+03
812	350	8.7213e+02	4.1618e+01	-3.3673e+01	-8.5146e+00	4.3811e+03	3.3746e+03
	453	-8.7213e+02	-4.1618e+01	3.3673e+01	8.5146e+00	6.3942e+03	9.9433e+03
813	338	5.3878e+02	-5.3045e+01	3.7979e-01	-8.5146e+00	4.5732e+02	-5.3011e+03
	452	-5.3878e+02	5.3045e+01	-3.7979e-01	8.5146e+00	-5.7885e+02	-1.1673e+04
814	378	9.5095e+02	-9.7016e+00	-1.1361e+01	-8.5146e+00	1.0567e+03	-1.4192e+03
	449	-9.5095e+02	9.7016e+00	1.1361e+01	8.5146e+00	2.5790e+03	-1.6854e+03
815	354	1.5500e+02	-7.3066e+00	1.9425e+01	-8.5146e+00	-2.1059e+03	-1.1300e+03
	448	-1.5500e+02	7.3066e+00	-1.9425e+01	8.5146e+00	-4.1103e+03	-1.2081e+03
816	384	1.1510e+03	3.1725e+01	-1.8189e+00	-8.5146e+00	-1.4159e+02	3.8517e+03
	447	-1.1510e+03	-3.1725e+01	1.8189e+00	8.5146e+00	7.2363e+02	6.3001e+03
817	362	5.1010e+02	2.2995e+01	-2.0414e+01	-8.5146e+00	1.6399e+03	3.6817e+03
	445	-5.1010e+02	-2.2995e+01	2.0414e+01	8.5146e+00	4.8926e+03	3.6768e+03
818	366	1.6510e+00	-5.1660e-01	-3.0348e+00	-5.9289e+00	2.4901e+02	-7.4503e+01
	444	-1.6510e+00	5.1660e-01	3.0348e+00	5.9289e+00	7.2212e+02	-9.0809e+01
819	370	1.1384e+02	4.9421e+00	2.8244e+00	-5.9289e+00	-8.1971e+02	5.9257e+02
	443	-1.1384e+02	-4.9421e+00	-2.8244e+00	5.9289e+00	-8.4095e+01	9.8889e+02
820	363	3.7699e+02	-5.3552e+01	-3.7397e+00	-7.2152e+00	5.3122e+02	-5.6304e+03
	442	-3.7699e+02	5.3552e+01	3.7397e+00	7.2152e+00	6.6549e+02	-1.1506e+04
821	367	1.8616e+02	3.8232e-01	-9.0852e+00	-5.9289e+00	1.2206e+03	-1.2013e+02
	441	-1.8616e+02	-3.8232e-01	9.0852e+00	5.9289e+00	1.6867e+03	2.4247e+02
822	361	5.6296e+02	-4.0588e+01	4.7023e+01	-8.5146e+00	-4.6536e+03	-3.3008e+03
	440	-5.6296e+02	4.0588e+01	-4.7023e+01	8.5146e+00	-1.0394e+04	-9.6872e+03
823	355	1.8958e+02	1.2610e+01	-2.3915e+00	-5.9289e+00	1.8947e+02	1.3646e+03
	439	-1.8958e+02	-1.2610e+01	2.3915e+00	5.9289e+00	5.7581e+02	2.6706e+03
824	371	1.1405e+02	-5.0795e+00	4.1390e+00	-5.9289e+00	-9.2281e+02	-5.7144e+02
	438	-1.1405e+02	5.0795e+00	-4.1390e+00	5.9289e+00	-4.0167e+02	-1.0540e+03
825	376	5.5707e+02	3.9355e+01	4.5590e+01	-8.5146e+00	-4.4180e+03	3.1223e+03
	436	-5.5707e+02	-3.9355e+01	-4.5590e+01	8.5146e+00	-1.0171e+04	9.4711e+03
826	382	8.4854e+02	2.3880e+01	-4.6420e+01	-8.5146e+00	4.0518e+03	2.6899e+03
	435	-8.4854e+02	-2.3880e+01	4.6420e+01	8.5146e+00	1.0803e+04	4.9516e+03
827	385	5.7399e+02	-2.1870e+01	1.0118e+02	-8.5146e+00	-9.1686e+03	-2.0219e+03

	434	-5.7399e+02	2.1870e+01	-1.0118e+02	8.5146e+00	-2.3210e+04	-4.9766e+03
828	386	4.9849e+02	1.9364e+01	9.8669e+01	-8.5146e+00	-8.0399e+03	2.6692e+03
	433	-4.9849e+02	-1.9364e+01	-9.8669e+01	8.5146e+00	-2.3534e+04	3.5274e+03
829	353	1.6029e+02	3.6605e+00	-3.3356e+00	-8.5146e+00	5.7590e+02	7.2301e+02
	432	-1.6029e+02	-3.6605e+00	3.3356e+00	8.5146e+00	4.9149e+02	4.4834e+02
830	373	5.7885e+02	1.9190e-01	4.4574e+01	-8.5146e+00	-4.6130e+03	1.3513e+01
	431	-5.7885e+02	-1.9190e-01	-4.4574e+01	8.5146e+00	-9.6508e+03	4.7896e+01
831	364	9.2847e+02	-8.4000e+00	-8.2743e+00	-8.5146e+00	6.9133e+02	-1.5703e+03
	429	-9.2847e+02	8.4000e+00	8.2743e+00	8.5146e+00	1.9564e+03	-1.1177e+03
832	356	5.7060e+02	-1.4505e+00	-1.1515e+01	-8.5146e+00	1.5551e+03	-4.9319e+02
	424	-5.7060e+02	1.4505e+00	1.1515e+01	8.5146e+00	2.1296e+03	2.9014e+01
833	368	2.3276e+02	-1.3768e+01	-1.4279e+01	-5.9289e+00	1.5666e+03	-1.4926e+03
	423	-2.3276e+02	1.3768e+01	1.4279e+01	5.9289e+00	3.0028e+03	-2.9130e+03
834	375	6.6708e+02	-2.0977e+01	1.8174e+01	-8.5146e+00	-2.1426e+03	-1.5799e+03
	422	-6.6708e+02	2.0977e+01	-1.8174e+01	8.5146e+00	-3.6731e+03	-5.1329e+03
835	381	5.9745e+02	-3.7477e+00	1.3054e+01	-8.5146e+00	-1.4807e+03	-5.8980e+02
	420	-5.9745e+02	3.7477e+00	-1.3054e+01	8.5146e+00	-2.6964e+03	-6.0945e+02
836	380	1.7379e+02	1.9848e-01	5.6990e+00	-5.9289e+00	-9.3022e+02	-9.2488e+01
	419	-1.7379e+02	-1.9848e-01	-5.6990e+00	5.9289e+00	-8.9346e+02	1.5600e+02
837	383	2.5378e+01	9.4841e-02	7.2519e+00	-5.9289e+00	-1.3211e+03	3.1578e+00
	417	-2.5378e+01	-9.4841e-02	-7.2519e+00	5.9289e+00	-9.9955e+02	2.7191e+01
838	323	4.7278e+02	9.2696e+00	-1.7708e+01	-4.8744e+00	1.4430e+03	1.2997e+03
	386	-4.7278e+02	-9.2696e+00	1.7708e+01	4.8744e+00	4.2236e+03	1.6666e+03
839	329	5.6925e+02	1.1540e+00	-1.0102e+01	-4.8744e+00	6.8032e+02	-3.5355e+01
	385	-5.6925e+02	-1.1540e+00	1.0102e+01	4.8744e+00	2.5522e+03	4.0463e+02
840	333	1.0759e+03	1.0964e+01	3.0975e+00	-4.8744e+00	-3.0626e+02	1.7994e+03
	384	-1.0759e+03	-1.0964e+01	-3.0975e+00	4.8744e+00	-6.8495e+02	1.7091e+03
841	331	6.7450e+01	2.6423e-01	7.9671e+00	-3.3942e+00	-1.1201e+03	4.1878e+01
	383	-6.7450e+01	-2.6423e-01	-7.9671e+00	3.3942e+00	-1.4293e+03	4.2675e+01
842	325	8.4103e+02	5.4737e+00	6.1381e+00	-4.8744e+00	-4.2243e+02	9.6050e+02
	382	-8.4103e+02	-5.4737e+00	-6.1381e+00	4.8744e+00	-1.5418e+03	7.9110e+02
843	318	5.6331e+02	-2.2774e+00	3.9356e+00	-4.8744e+00	-6.8906e+02	-3.2452e+02
	381	-5.6331e+02	2.2774e+00	-3.9356e+00	4.8744e+00	-5.7034e+02	-4.0426e+02
844	317	1.8254e+02	-2.8605e-01	5.1868e+00	-3.3942e+00	-7.4207e+02	2.9877e+01
	380	-1.8254e+02	2.8605e-01	-5.1868e+00	3.3942e+00	-9.1771e+02	-1.2141e+02
845	332	9.4578e+02	-6.9089e+00	9.6223e-02	-4.8744e+00	1.5177e+02	-1.0878e+03
	378	-9.4578e+02	6.9089e+00	-9.6223e-02	4.8744e+00	-1.8256e+02	-1.1230e+03
846	322	5.3006e+02	-6.1040e+00	4.9850e-01	-4.8744e+00	-4.5406e+02	-4.0207e+02
	376	-5.3006e+02	6.1040e+00	-4.9850e-01	4.8744e+00	2.9453e+02	-1.5512e+03
847	328	6.2765e+02	3.9362e+00	5.5644e+00	-4.8744e+00	-9.3890e+02	2.2657e+02
	375	-6.2765e+02	-3.9362e+00	-5.5644e+00	4.8744e+00	-8.4171e+02	1.0330e+03
848	327	5.5502e+02	3.7241e-01	3.6338e+00	-4.8744e+00	-8.2976e+02	5.3654e+01
	373	-5.5502e+02	-3.7241e-01	-3.6338e+00	4.8744e+00	-3.3305e+02	6.5518e+01
849	319	1.4128e+02	-1.0809e+00	6.8732e+00	-3.3942e+00	-9.5962e+02	-2.1476e+02
	371	-1.4128e+02	1.0809e+00	-6.8732e+00	3.3942e+00	-1.2398e+03	-1.3114e+02
850	324	1.4241e+02	1.9815e+00	7.0597e+00	-3.3942e+00	-9.5521e+02	3.2960e+02
	370	-1.4241e+02	-1.9815e+00	-7.0597e+00	3.3942e+00	-1.3039e+03	3.0449e+02
851	302	2.3560e+02	-2.5897e+00	-2.0237e+00	-3.3942e+00	3.9844e+02	-4.9218e+02
	368	-2.3560e+02	2.5897e+00	2.0237e+00	3.3942e+00	2.4916e+02	-3.3652e+02
852	307	1.9780e+02	-1.2707e+00	-4.1254e+00	-3.3942e+00	6.6457e+02	-9.9613e+01

	367	-1.9780e+02	1.2707e+00	4.1254e+00	3.3942e+00	6.5555e+02	-3.0700e+02
853	314	2.2041e+01	-4.4350e-01	4.7415e-01	-3.3942e+00	-1.9744e+00	-6.1211e+01
	366	-2.2041e+01	4.4350e-01	-4.7415e-01	3.3942e+00	-1.4975e+02	-8.0708e+01
854	298	8.7529e+02	-9.2509e+00	1.1712e+00	-4.8744e+00	-1.7284e+01	-1.3089e+03
	364	-8.7529e+02	9.2509e+00	-1.1712e+00	4.8744e+00	-3.5749e+02	-1.6514e+03
855	309	3.9405e+02	-5.9600e+00	-1.6720e+00	-4.1305e+00	2.7367e+02	-1.2378e+03
	363	-3.9405e+02	5.9600e+00	1.6720e+00	4.1305e+00	2.6138e+02	-6.6939e+02
856	306	5.4926e+02	1.9639e+01	4.1601e+00	-4.8744e+00	-3.5844e+02	2.9434e+03
	362	-5.4926e+02	-1.9639e+01	-4.1601e+00	4.8744e+00	-9.7278e+02	3.3412e+03
857	315	5.3913e+02	6.3105e+00	1.4029e+00	-4.8744e+00	-5.7469e+02	4.3096e+02
	361	-5.3913e+02	-6.3105e+00	-1.4029e+00	4.8744e+00	1.2577e+02	1.5884e+03
858	311	5.4171e+02	-3.6754e+00	-5.1348e+00	-4.8744e+00	8.1329e+02	-4.3476e+02
	356	-5.4171e+02	3.6754e+00	5.1348e+00	4.8744e+00	8.2984e+02	-7.4138e+02
859	303	1.7674e+02	2.1820e+00	7.8104e-01	-3.3942e+00	-7.1767e+01	4.3898e+02
	355	-1.7674e+02	-2.1820e+00	-7.8104e-01	3.3942e+00	-1.7817e+02	2.5926e+02
860	310	2.0180e+02	-5.0532e+00	3.9352e+00	-4.8744e+00	-7.5850e+02	-7.6290e+02
	354	-2.0180e+02	5.0532e+00	-3.9352e+00	4.8744e+00	-5.0077e+02	-8.5412e+02
861	313	1.8013e+02	4.5453e+00	-3.0797e+00	-4.8744e+00	4.5570e+02	6.6694e+02
	353	-1.8013e+02	-4.5453e+00	3.0797e+00	4.8744e+00	5.2980e+02	7.8756e+02
862	308	3.0050e+02	1.7826e+00	-1.3863e+01	-4.8744e+00	2.0816e+03	4.4784e+02
	352	-3.0050e+02	-1.7826e+00	1.3863e+01	4.8744e+00	2.3546e+03	1.2258e+02
863	301	7.9603e+02	-5.6590e+00	-1.2791e+01	-4.8744e+00	1.9404e+03	-2.7247e+02
	350	-7.9603e+02	5.6590e+00	1.2791e+01	4.8744e+00	2.1528e+03	-1.5384e+03
864	300	2.0221e+02	1.7108e+00	-3.8103e+00	-3.3942e+00	6.2857e+02	2.3360e+02
	349	-2.0221e+02	-1.7108e+00	3.8103e+00	3.3942e+00	5.9072e+02	3.1386e+02
865	312	5.4049e+02	4.2017e+00	-6.1072e+00	-4.8744e+00	8.8408e+02	5.7764e+02
	348	-5.4049e+02	-4.2017e+00	6.1072e+00	4.8744e+00	1.0702e+03	7.6690e+02
866	316	4.9762e+02	1.3281e+00	-3.5457e+00	-4.8744e+00	1.9285e+02	3.0314e+02
	347	-4.9762e+02	-1.3281e+00	3.5457e+00	4.8744e+00	9.4178e+02	1.2183e+02
867	304	6.5807e+02	2.9049e+00	-4.8496e+00	-3.3942e+00	9.9027e+02	4.7426e+02
	339	-6.5807e+02	-2.9049e+00	4.8496e+00	3.3942e+00	5.6160e+02	4.5531e+02
868	305	4.8266e+02	-4.6505e+00	-6.2875e+00	-4.8744e+00	8.8096e+02	-1.1801e+03
	338	-4.8266e+02	4.6505e+00	6.2875e+00	4.8744e+00	1.1311e+03	-3.0808e+02
869	299	7.3062e+02	-3.2995e+00	-8.0117e+00	-3.3942e+00	1.4871e+03	-5.6722e+02
	334	-7.3062e+02	3.2995e+00	8.0117e+00	3.3942e+00	1.0766e+03	-4.8861e+02
870	265	1.0312e+03	1.0182e+01	2.4314e-01	-2.1731e+00	-6.0359e+01	1.5519e+03
	333	-1.0312e+03	-1.0182e+01	-2.4314e-01	2.1731e+00	-1.7444e+01	1.7064e+03
871	264	9.4122e+02	-6.0565e+00	-1.8059e+00	-2.1731e+00	2.4186e+02	-9.2653e+02
	332	-9.4122e+02	6.0565e+00	1.8059e+00	2.1731e+00	3.3602e+02	-1.0116e+03
872	238	9.2963e+01	3.6564e-01	4.8629e+00	-1.5132e+00	-7.4385e+02	5.7132e+01
	331	-9.2963e+01	-3.6564e-01	-4.8629e+00	1.5132e+00	-8.1227e+02	5.9873e+01
873	234	5.5656e+02	-1.3506e+00	4.6730e+00	-2.1731e+00	-6.0390e+02	-1.5192e+02
	329	-5.5656e+02	1.3506e+00	-4.6730e+00	2.1731e+00	-8.9145e+02	-2.8026e+02
874	242	6.1181e+02	-1.9163e+00	5.3739e+00	-2.1731e+00	-7.8434e+02	-2.4137e+02
	328	-6.1181e+02	1.9163e+00	-5.3739e+00	2.1731e+00	-9.3529e+02	-3.7185e+02
875	240	5.3845e+02	3.3050e-01	6.4673e+00	-2.1731e+00	-9.1601e+02	4.8887e+01
	327	-5.3845e+02	-3.3050e-01	-6.4673e+00	2.1731e+00	-1.1535e+03	5.6874e+01
876	233	8.3141e+02	6.3260e+00	-1.9444e+00	-2.1731e+00	2.2037e+02	9.8758e+02
	325	-8.3141e+02	-6.3260e+00	1.9444e+00	2.1731e+00	4.0185e+02	1.0367e+03
877	244	1.5663e+02	1.9925e+00	3.8835e+00	-1.5132e+00	-5.9971e+02	2.9946e+02

	324	-1.5663e+02	-1.9925e+00	-3.8835e+00	1.5132e+00	-6.4300e+02	3.3812e+02
878	235	4.6823e+02	6.2595e+00	3.7040e+00	-2.1731e+00	-3.5994e+02	1.0006e+03
	323	-4.6823e+02	-6.2595e+00	-3.7040e+00	2.1731e+00	-8.2536e+02	1.0025e+03
879	245	5.1651e+02	2.1376e+00	5.6256e+00	-2.1731e+00	-7.7625e+02	2.2519e+02
	322	-5.1651e+02	-2.1376e+00	-5.6256e+00	2.1731e+00	-1.0239e+03	4.5884e+02
880	239	1.5557e+02	-1.5392e+00	4.1190e+00	-1.5132e+00	-6.3262e+02	-2.3720e+02
	319	-1.5557e+02	1.5392e+00	-4.1190e+00	1.5132e+00	-6.8545e+02	-2.5535e+02
881	241	5.4405e+02	-1.3566e+00	4.2721e+00	-2.1731e+00	-6.0969e+02	-2.1248e+02
	318	-5.4405e+02	1.3566e+00	-4.2721e+00	2.1731e+00	-7.5740e+02	-2.2162e+02
882	236	1.9609e+02	1.0723e+00	3.3980e+00	-1.5132e+00	-5.0784e+02	1.6371e+02
	317	-1.9609e+02	-1.0723e+00	-3.3980e+00	1.5132e+00	-5.7954e+02	1.7943e+02
883	243	4.9036e+02	2.3119e+00	3.0626e+00	-2.1731e+00	-4.7620e+02	3.3727e+02
	316	-4.9036e+02	-2.3119e+00	-3.0626e+00	2.1731e+00	-5.0384e+02	4.0253e+02
884	246	5.2654e+02	-2.1706e+00	5.9631e+00	-2.1731e+00	-8.3155e+02	-2.5495e+02
	315	-5.2654e+02	2.1706e+00	-5.9631e+00	2.1731e+00	-1.0766e+03	-4.3963e+02
885	251	3.3712e+01	-3.7758e-01	-3.8496e-01	-1.5132e+00	5.1011e+01	-4.7443e+01
	314	-3.3712e+01	3.7758e-01	3.8496e-01	1.5132e+00	7.2178e+01	-7.3382e+01
886	253	1.9461e+02	2.8730e+00	-2.1115e+00	-2.1731e+00	3.3061e+02	4.6283e+02
	313	-1.9461e+02	-2.8730e+00	2.1115e+00	2.1731e+00	3.4507e+02	4.5654e+02
887	261	5.2260e+02	2.3156e+00	-3.6257e+00	-2.1731e+00	5.6680e+02	3.8903e+02
	312	-5.2260e+02	-2.3156e+00	3.6257e+00	2.1731e+00	5.9341e+02	3.5196e+02
888	257	5.2400e+02	-1.5671e+00	-3.8916e+00	-2.1731e+00	5.9606e+02	-2.5463e+02
	311	-5.2400e+02	1.5671e+00	3.8916e+00	2.1731e+00	6.4927e+02	-2.4685e+02
889	247	2.2663e+02	-3.5584e+00	5.0224e+00	-2.1731e+00	-7.1755e+02	-5.4497e+02
	310	-2.2663e+02	3.5584e+00	-5.0224e+00	2.1731e+00	-8.8961e+02	-5.9371e+02
890	248	3.9800e+02	-8.4264e+00	-1.1223e+00	-1.8414e+00	1.7665e+02	-1.1930e+03
	309	-3.9800e+02	8.4264e+00	1.1223e+00	1.8414e+00	1.8250e+02	-1.5034e+03
891	255	3.3486e+02	3.1841e+00	-9.0528e+00	-2.1731e+00	1.3353e+03	4.6320e+02
	308	-3.3486e+02	-3.1841e+00	9.0528e+00	2.1731e+00	1.5616e+03	5.5570e+02
892	256	2.1140e+02	1.0097e-01	-3.1029e+00	-1.5132e+00	4.6253e+02	7.4306e+00
	307	-2.1140e+02	-1.0097e-01	3.1029e+00	1.5132e+00	5.3040e+02	2.4880e+01
893	258	5.8154e+02	1.4655e+01	-2.8377e-01	-2.1731e+00	-1.1314e+01	2.2744e+03
	306	-5.8154e+02	-1.4655e+01	2.8377e-01	2.1731e+00	1.0212e+02	2.4153e+03
894	260	4.5026e+02	-9.3407e+00	-3.3836e+00	-2.1731e+00	5.2479e+02	-1.2929e+03
	305	-4.5026e+02	9.3407e+00	3.3836e+00	2.1731e+00	5.5797e+02	-1.6961e+03
895	262	6.0497e+02	2.9632e+00	-6.3883e+00	-1.5132e+00	9.1135e+02	4.7401e+02
	304	-6.0497e+02	-2.9632e+00	6.3883e+00	1.5132e+00	1.1329e+03	4.7423e+02
896	250	1.7068e+02	2.6814e+00	-3.5776e-01	-1.5132e+00	8.5824e+01	3.8587e+02
	303	-1.7068e+02	-2.6814e+00	3.5776e-01	1.5132e+00	2.8659e+01	4.7218e+02
897	254	2.3830e+02	-3.4831e+00	-2.3904e+00	-1.5132e+00	3.4101e+02	-5.0984e+02
	302	-2.3830e+02	3.4831e+00	2.3904e+00	1.5132e+00	4.2394e+02	-6.0477e+02
898	259	7.4426e+02	2.7202e+00	-8.8819e+00	-2.1731e+00	1.3268e+03	3.0572e+02
	301	-7.4426e+02	-2.7202e+00	8.8819e+00	2.1731e+00	1.5154e+03	5.6473e+02
899	252	2.1488e+02	9.1122e-01	-3.0760e+00	-1.5132e+00	4.5625e+02	1.6075e+02
	300	-2.1488e+02	-9.1122e-01	3.0760e+00	1.5132e+00	5.2806e+02	1.3084e+02
900	263	6.7534e+02	-3.7310e+00	-8.9173e+00	-1.5132e+00	1.2874e+03	-5.7539e+02
	299	-6.7534e+02	3.7310e+00	8.9173e+00	1.5132e+00	1.5662e+03	-6.1853e+02
901	249	8.4950e+02	-5.5299e+00	-8.8014e-01	-2.1731e+00	1.1525e+02	-8.3398e+02
	298	-8.4950e+02	5.5299e+00	8.8014e-01	2.1731e+00	1.6639e+02	-9.3559e+02
902	142	1.0000e+03	4.7966e+00	1.0520e+00	2.3049e+00	-2.0873e+02	5.6526e+02

	265	-1.0000e+03	-4.7966e+00	-1.0520e+00	-2.3049e+00	-1.3739e+02	1.0128e+03
903	143	9.3473e+02	-2.7267e+00	-7.5647e-01	2.3049e+00	1.1286e+02	-3.3248e+02
	264	-9.3473e+02	2.7267e+00	7.5647e-01	-2.3049e+00	1.3602e+02	-5.6459e+02
904	144	6.4218e+02	-1.7378e+00	-4.3403e+00	1.6049e+00	6.2210e+02	-2.1361e+02
	263	-6.4218e+02	1.7378e+00	4.3403e+00	-1.6049e+00	8.0587e+02	-3.5812e+02
905	145	5.7499e+02	1.6404e+00	-3.2125e+00	1.6049e+00	4.8485e+02	1.9471e+02
	262	-5.7499e+02	-1.6404e+00	3.2125e+00	-1.6049e+00	5.7206e+02	3.4498e+02
906	138	5.1055e+02	9.2096e-01	-2.6071e+00	2.3049e+00	4.1131e+02	7.1887e+01
	261	-5.1055e+02	-9.2096e-01	2.6071e+00	-2.3049e+00	4.4642e+02	2.3111e+02
907	140	4.2911e+02	-3.4632e+00	-2.3580e+00	2.3049e+00	3.5266e+02	-4.4101e+02
	260	-4.2911e+02	3.4632e+00	2.3580e+00	-2.3049e+00	4.2313e+02	-6.9840e+02
908	139	7.1264e+02	7.6040e-01	-4.4856e+00	2.3049e+00	5.9940e+02	1.5795e+02
	259	-7.1264e+02	-7.6040e-01	4.4856e+00	-2.3049e+00	8.7636e+02	9.2217e+01
909	141	6.0129e+02	6.6521e+00	3.2995e-01	2.3049e+00	-4.9611e+01	7.2565e+02
	258	-6.0129e+02	-6.6521e+00	-3.2995e-01	-2.3049e+00	-5.8944e+01	1.4629e+03
910	137	5.1145e+02	-6.6991e-01	-2.5597e+00	2.3049e+00	4.0626e+02	-4.6856e+01
	257	-5.1145e+02	6.6991e-01	2.5597e+00	-2.3049e+00	4.3590e+02	-1.7354e+02
911	136	2.2041e+02	1.3686e-01	-2.7233e+00	1.6049e+00	4.8677e+02	4.5280e+01
	256	-2.2041e+02	-1.3686e-01	2.7233e+00	-1.6049e+00	4.0920e+02	-2.5341e-01
912	131	3.5399e+02	1.1892e+00	-5.5759e+00	2.3049e+00	8.4883e+02	1.5792e+02
	255	-3.5399e+02	-1.1892e+00	5.5759e+00	-2.3049e+00	9.8566e+02	2.3334e+02
913	132	2.4096e+02	-1.2687e+00	-2.0446e+00	1.6049e+00	3.6117e+02	-1.2749e+02
	254	-2.4096e+02	1.2687e+00	2.0446e+00	-1.6049e+00	3.1149e+02	-2.8990e+02
914	130	2.0626e+02	1.4360e+00	-3.3150e-01	2.3049e+00	-4.8755e+01	1.8184e+02
	253	-2.0626e+02	-1.4360e+00	3.3150e-01	-2.3049e+00	1.5782e+02	2.9062e+02
915	135	2.2331e+02	2.5715e-01	-2.7057e+00	1.6049e+00	4.8100e+02	5.2560e+00
	252	-2.2331e+02	-2.5715e-01	2.7057e+00	-1.6049e+00	4.0918e+02	7.9346e+01
916	133	4.1845e+01	-2.6494e-01	-2.2337e-01	1.6049e+00	4.1267e+01	-3.8974e+01
	251	-4.1845e+01	2.6494e-01	2.2337e-01	-1.6049e+00	3.2223e+01	-4.8190e+01
917	134	1.7272e+02	1.3449e+00	-1.3102e+00	1.6049e+00	2.4942e+02	2.0721e+02
	250	-1.7272e+02	-1.3449e+00	1.3102e+00	-1.6049e+00	1.8165e+02	2.3527e+02
918	147	8.3184e+02	-2.1204e+00	3.0255e-02	2.3049e+00	-6.1378e+00	-2.3465e+02
	249	-8.3184e+02	2.1204e+00	-3.0255e-02	-2.3049e+00	-3.8160e+00	-4.6297e+02
919	148	3.9944e+02	-3.4359e+00	-1.1097e-01	1.9531e+00	-6.2619e+00	-4.6781e+02
	248	-3.9944e+02	3.4359e+00	1.1097e-01	-1.9531e+00	4.2771e+01	-6.6261e+02
920	152	2.4341e+02	-1.1069e+00	3.0619e+00	2.3049e+00	-4.9681e+02	-1.3441e+02
	247	-2.4341e+02	1.1069e+00	-3.0619e+00	-2.3049e+00	-5.1055e+02	-2.2975e+02
921	153	5.1620e+02	3.7137e-01	3.6741e+00	2.3049e+00	-6.1055e+02	6.3048e+01
	246	-5.1620e+02	-3.7137e-01	-3.6741e+00	-2.3049e+00	-5.9823e+02	5.9134e+01
922	155	5.0545e+02	5.2928e-01	3.6243e+00	2.3049e+00	-6.0564e+02	6.5033e+01
	245	-5.0545e+02	-5.2928e-01	-3.6243e+00	-2.3049e+00	-5.8676e+02	1.0910e+02
923	159	1.6828e+02	1.0965e+00	3.3496e+00	1.6049e+00	-5.4110e+02	1.2349e+02
	244	-1.6828e+02	-1.0965e+00	-3.3496e+00	-1.6049e+00	-5.6091e+02	2.3725e+02
924	161	4.8682e+02	2.9031e+00	-2.5842e+00	2.3049e+00	6.6438e+02	5.4315e+02
	243	-4.8682e+02	-2.9031e+00	2.5842e+00	-2.3049e+00	1.8584e+02	4.1196e+02
925	151	5.9915e+02	1.1279e+00	3.4471e+00	2.3049e+00	-5.5263e+02	2.4367e+02
	242	-5.9915e+02	-1.1279e+00	-3.4471e+00	-2.3049e+00	-5.8146e+02	1.2740e+02
926	156	5.2903e+02	-3.8989e-01	3.2038e+00	2.3049e+00	-5.2947e+02	-6.5562e+01
	241	-5.2903e+02	3.8989e-01	-3.2038e+00	-2.3049e+00	-5.2458e+02	-6.2711e+01
927	154	5.2637e+02	2.5980e-01	4.1894e+00	2.3049e+00	-6.8721e+02	-5.4077e+00

	240	-5.2637e+02	-2.5980e-01	-4.1894e+00	-2.3049e+00	-6.9111e+02	9.0880e+01
928	157	1.6753e+02	-2.1746e-01	3.1724e+00	1.6049e+00	-5.0468e+02	-4.8108e+00
	239	-1.6753e+02	2.1746e-01	-3.1724e+00	-1.6049e+00	-5.3904e+02	-6.6733e+01
929	158	1.1181e+02	2.1938e-01	3.7122e+00	1.6049e+00	-5.8661e+02	-5.0608e-01
	238	-1.1181e+02	-2.1938e-01	-3.7122e+00	-1.6049e+00	-6.3471e+02	7.2681e+01
930	160	2.0633e+02	8.3095e-01	3.0210e+00	1.6049e+00	-5.0297e+02	1.0311e+02
	236	-2.0633e+02	-8.3095e-01	-3.0210e+00	-1.6049e+00	-4.9094e+02	1.7028e+02
931	149	4.6200e+02	3.8069e+00	-1.9168e+00	2.3049e+00	3.7535e+02	4.4377e+02
	235	-4.6200e+02	-3.8069e+00	1.9168e+00	-2.3049e+00	2.5527e+02	8.0871e+02
932	150	5.5010e+02	3.0007e-01	-6.6504e-01	2.3049e+00	2.4370e+02	1.8504e+01
	234	-5.5010e+02	-3.0007e-01	6.6504e-01	-2.3049e+00	-2.4898e+01	8.0219e+01
933	146	8.2256e+02	3.0295e+00	-8.1838e-02	2.3049e+00	1.9040e+01	3.3282e+02
	233	-8.2256e+02	-3.0295e+00	8.1838e-02	-2.3049e+00	7.8842e+00	6.6388e+02
934	127	3.4830e+01	9.7710e+00	-6.9711e+00	6.1582e+00	1.2516e+03	1.9107e+03
	195	-3.4830e+01	-9.7710e+00	6.9711e+00	-6.1582e+00	1.0489e+03	1.3137e+03
935	126	3.1514e+01	1.2177e+00	-7.4778e+00	6.1582e+00	1.3196e+03	3.1426e+02
	194	-3.1514e+01	-1.2177e+00	7.4778e+00	-6.1582e+00	1.1481e+03	8.7575e+01
936	51	2.1392e+02	4.4447e+00	8.2276e+00	6.1582e+00	-1.4536e+03	9.3483e+02
	160	-2.1392e+02	-4.4447e+00	-8.2276e+00	-6.1582e+00	-1.2615e+03	5.3193e+02
937	50	1.7754e+02	3.7782e+00	8.3458e+00	6.1582e+00	-1.4779e+03	8.1059e+02
	159	-1.7754e+02	-3.7782e+00	-8.3458e+00	-6.1582e+00	-1.2762e+03	4.3621e+02
938	49	1.2827e+02	3.7655e+00	8.3598e+00	6.1582e+00	-1.4710e+03	8.9700e+02
	158	-1.2827e+02	-3.7655e+00	-8.3598e+00	-6.1582e+00	-1.2877e+03	3.4562e+02
939	48	1.7936e+02	-2.8950e+00	7.8360e+00	6.1582e+00	-1.4092e+03	-7.2199e+02
	157	-1.7936e+02	2.8950e+00	-7.8360e+00	-6.1582e+00	-1.1767e+03	-2.3335e+02
940	47	5.1652e+02	2.7501e+00	1.2585e+00	6.1582e+00	2.5320e+01	6.3916e+02
	156	-5.1652e+02	-2.7501e+00	-1.2585e+00	-6.1582e+00	-4.4061e+02	2.6838e+02
941	46	4.9362e+02	3.6078e+00	2.1499e+00	6.1582e+00	-1.2238e+02	7.8054e+02
	155	-4.9362e+02	-3.6078e+00	-2.1499e+00	-6.1582e+00	-5.8707e+02	4.1003e+02
942	45	5.1155e+02	3.3499e+00	2.4841e+00	6.1582e+00	-1.6461e+02	7.8743e+02
	154	-5.1155e+02	-3.3499e+00	-2.4841e+00	-6.1582e+00	-6.5515e+02	3.1804e+02
943	44	5.0483e+02	-2.0531e+00	1.5842e+00	6.1582e+00	-4.7517e+00	-5.0862e+02
	153	-5.0483e+02	2.0531e+00	-1.5842e+00	-6.1582e+00	-5.1803e+02	-1.6892e+02
944	43	2.5152e+02	9.9905e-01	6.5777e+00	6.1582e+00	-1.1967e+03	2.3062e+02
	152	-2.5152e+02	-9.9905e-01	-6.5777e+00	-6.1582e+00	-9.7400e+02	9.9066e+01
945	42	5.8023e+02	4.4796e+00	3.6959e-01	6.1582e+00	2.0284e+02	7.9779e+02
	151	-5.8023e+02	-4.4796e+00	-3.6959e-01	-6.1582e+00	-3.2480e+02	6.8048e+02
946	41	5.1706e+02	4.5933e+00	-2.9074e+00	6.1582e+00	3.1596e+02	1.0300e+03
	150	-5.1706e+02	-4.5933e+00	2.9074e+00	-6.1582e+00	6.4348e+02	4.8574e+02
947	40	4.3443e+02	3.1880e+00	-4.0514e+00	6.1582e+00	5.7340e+02	6.3626e+02
	149	-4.3443e+02	-3.1880e+00	4.0514e+00	-6.1582e+00	7.6357e+02	4.1579e+02
948	39	3.9963e+02	3.7719e+00	-1.5566e+00	6.1582e+00	3.7131e+02	1.0564e+03
	148	-3.9963e+02	-3.7719e+00	1.5566e+00	-6.1582e+00	1.4236e+02	1.8836e+02
949	38	8.2728e+02	1.0327e+00	-1.7204e+00	6.1582e+00	3.7375e+02	2.4570e+02
	147	-8.2728e+02	-1.0327e+00	1.7204e+00	-6.1582e+00	1.9396e+02	9.5081e+01
950	37	8.1816e+02	4.5302e+00	-1.5457e+00	6.1582e+00	3.0901e+02	9.9958e+02
	146	-8.1816e+02	-4.5302e+00	1.5457e+00	-6.1582e+00	2.0106e+02	4.9538e+02
951	36	5.5738e+02	4.6680e+00	-3.0648e+00	6.1582e+00	3.6358e+02	9.9113e+02
	145	-5.5738e+02	-4.6680e+00	3.0648e+00	-6.1582e+00	6.4782e+02	5.4932e+02
952	35	6.2200e+02	-1.9065e-01	-3.8790e+00	6.1582e+00	5.0830e+02	3.8712e+01

	144	-6.2200e+02	1.9065e-01	3.8790e+00	-6.1582e+00	7.7178e+02	-1.0163e+02
953	34	9.2933e+02	-3.3685e-02	-8.2249e-01	6.1582e+00	1.0274e+02	5.8579e+01
	143	-9.2933e+02	3.3685e-02	8.2249e-01	-6.1582e+00	1.6868e+02	-6.9695e+01
954	33	9.8750e+02	4.7516e+00	2.4883e-01	6.1582e+00	8.0130e+01	9.8094e+02
	142	-9.8750e+02	-4.7516e+00	-2.4883e-01	-6.1582e+00	-1.6224e+02	5.8707e+02
955	32	6.0113e+02	6.4001e+00	-7.0264e-01	6.1582e+00	1.4695e+02	1.4077e+03
	141	-6.0113e+02	-6.4001e+00	7.0264e-01	-6.1582e+00	8.4919e+01	7.0438e+02
956	31	4.2031e+02	-6.3153e+00	-1.8056e+00	6.1582e+00	2.0569e+02	-1.2863e+03
	140	-4.2031e+02	6.3153e+00	1.8056e+00	-6.1582e+00	3.9017e+02	-7.9777e+02
957	30	6.9577e+02	7.0108e+00	-1.0956e+00	6.1582e+00	1.7605e+01	1.4643e+03
	139	-6.9577e+02	-7.0108e+00	1.0956e+00	-6.1582e+00	3.4395e+02	8.4930e+02
958	29	5.0445e+02	4.1785e+00	-2.1150e+00	6.1582e+00	2.2944e+02	9.9052e+02
	138	-5.0445e+02	-4.1785e+00	2.1150e+00	-6.1582e+00	4.6850e+02	3.8839e+02
959	28	5.0459e+02	-1.0348e+00	-2.0514e+00	6.1582e+00	2.1861e+02	-2.5429e+02
	137	-5.0459e+02	1.0348e+00	2.0514e+00	-6.1582e+00	4.5836e+02	-8.7182e+01
960	27	2.0125e+02	-3.2047e-03	-6.4930e+00	6.1582e+00	1.0099e+03	-7.2747e+01
	136	-2.0125e+02	3.2047e-03	6.4930e+00	-6.1582e+00	1.1328e+03	7.1689e+01
961	26	2.0393e+02	1.6459e+00	-6.3706e+00	6.1582e+00	9.8778e+02	4.5630e+02
	135	-2.0393e+02	-1.6459e+00	6.3706e+00	-6.1582e+00	1.1145e+03	8.6844e+01
962	582	1.5759e+02	1.8891e+00	-3.5384e+00	6.1582e+00	5.3138e+02	2.5435e+02
	134	-1.5759e+02	-1.8891e+00	3.5384e+00	-6.1582e+00	6.3630e+02	3.6903e+02
963	469	4.4247e+01	3.3380e-01	-9.6974e-01	6.1582e+00	1.5530e+02	1.2652e+02
	133	-4.4247e+01	-3.3380e-01	9.6974e-01	-6.1582e+00	1.6472e+02	-1.6361e+01
964	23	2.2156e+02	-3.6763e+00	-4.6199e+00	6.1582e+00	6.9432e+02	-8.2971e+02
	132	-2.2156e+02	3.6763e+00	4.6199e+00	-6.1582e+00	8.3024e+02	-3.8348e+02
965	22	3.2190e+02	2.5278e+00	-6.4826e+00	6.1582e+00	9.8243e+02	5.3752e+02
	131	-3.2190e+02	-2.5278e+00	6.4826e+00	-6.1582e+00	1.1568e+03	2.9666e+02
966	21	1.9875e+02	8.5440e-01	4.6646e+00	6.1582e+00	-9.1824e+02	1.6695e+02
	130	-1.9875e+02	-8.5440e-01	-4.6646e+00	-6.1582e+00	-6.2108e+02	1.1500e+02
361	256	-7.1054e-15	-5.6345e-01	2.0989e-01	9.0833e+01	-1.5913e+01	-4.2721e+01
	2	7.1054e-15	5.6345e-01	-2.0989e-01	-9.0833e+01	-5.1324e+01	-1.3778e+02
362	252	0.0000e+00	2.6839e-01	-9.9975e-02	-5.9880e-01	3.1386e+00	8.4258e+00
	256	0.0000e+00	-2.6839e-01	9.9975e-02	5.9880e-01	2.8653e+01	7.6923e+01
363	250	-7.1054e-15	1.2837e+00	-4.7816e-01	-5.8920e+01	6.8609e+01	1.8419e+02
	252	7.1054e-15	-1.2837e+00	4.7816e-01	5.8920e+01	8.3445e+01	2.2402e+02
364	251	0.0000e+00	3.8465e+00	-1.4328e+00	-2.5534e+01	2.4888e+02	6.6814e+02
	250	0.0000e+00	-3.8465e+00	1.4328e+00	2.5534e+01	2.0675e+02	5.5503e+02
365	254	0.0000e+00	-4.2868e+00	1.5968e+00	5.7700e+01	-2.3446e+02	-6.2942e+02
	251	0.0000e+00	4.2868e+00	-1.5968e+00	-5.7700e+01	-2.8450e+02	-7.6377e+02
366	255	-7.1054e-15	-1.5773e+00	5.8756e-01	1.5331e+02	-1.3510e+02	-3.6269e+02
	254	7.1054e-15	1.5773e+00	-5.8756e-01	-1.5331e+02	-5.8206e+01	-1.5626e+02
367	253	-7.1054e-15	6.3157e+00	-2.3526e+00	-1.6469e+02	3.5263e+02	9.4668e+02
	255	7.1054e-15	-6.3157e+00	2.3526e+00	1.6469e+02	3.5902e+02	9.6381e+02
368	59	-7.1054e-15	-2.1629e+00	8.0566e-01	-6.3016e+01	-9.9792e+01	-2.6790e+02
	253	7.1054e-15	2.1629e+00	-8.0566e-01	6.3016e+01	-1.5106e+02	-4.0553e+02
377	54	7.1054e-15	-5.1162e-01	1.9058e-01	-1.1538e+02	-2.4018e+01	-6.4478e+01
	236	-7.1054e-15	5.1162e-01	-1.9058e-01	1.1538e+02	-3.7034e+01	-9.9420e+01
378	236	-2.8422e-14	-1.7025e+00	6.3416e-01	-2.7684e+01	-1.0818e+02	-2.9041e+02
	244	2.8422e-14	1.7025e+00	-6.3416e-01	2.7684e+01	-9.3487e+01	-2.5097e+02
379	244	7.1054e-15	-2.3423e+00	8.7250e-01	-2.7783e+01	-1.2531e+02	-3.3641e+02

	238	-7.1054e-15	2.3423e+00	-8.7250e-01	2.7783e+01	-1.5214e+02	-4.0844e+02
380	238	0.0000e+00	1.4047e+00	-5.2323e-01	2.5720e+01	1.0087e+02	2.7080e+02
	239	0.0000e+00	-1.4047e+00	5.2323e-01	-2.5720e+01	6.5513e+01	1.7588e+02
381	239	1.4211e-14	9.1327e-01	-3.4019e-01	3.4960e+01	5.9589e+01	1.5997e+02
	247	-1.4211e-14	-9.1327e-01	3.4019e-01	-3.4960e+01	5.4545e+01	1.4643e+02
382	247	-7.1054e-15	5.0258e+00	-1.8721e+00	4.8065e+01	2.7212e+02	7.3052e+02
	234	7.1054e-15	-5.0258e+00	1.8721e+00	-4.8065e+01	3.0449e+02	8.1743e+02
383	234	-2.1316e-14	-3.1133e+00	1.1597e+00	8.5748e+01	-2.1680e+02	-5.8202e+02
	235	2.1316e-14	3.1133e+00	-1.1597e+00	-8.5748e+01	-1.4618e+02	-3.9244e+02
384	235	2.1316e-14	-8.2093e+00	3.0579e+00	-1.5548e+01	-4.3531e+02	-1.1686e+03
	56	-2.1316e-14	8.2093e+00	-3.0579e+00	1.5548e+01	-5.1681e+02	-1.3874e+03
446	307	0.0000e+00	-6.5744e-02	2.4489e-02	1.5841e+02	-3.7379e+01	-1.0035e+02
	165	0.0000e+00	6.5744e-02	-2.4489e-02	-1.5841e+02	2.9534e+01	7.9286e+01
447	300	-2.1316e-14	3.3083e-01	-1.2323e-01	2.2647e+00	1.5656e+01	4.2029e+01
	307	2.1316e-14	-3.3083e-01	1.2323e-01	-2.2647e+00	2.3532e+01	6.3174e+01
448	303	0.0000e+00	1.4510e+00	-5.4048e-01	-1.5281e+02	5.6878e+01	1.5269e+02
	300	0.0000e+00	-1.4510e+00	5.4048e-01	1.5281e+02	1.1499e+02	3.0871e+02
449	314	1.0658e-14	5.4437e+00	-2.0277e+00	3.1493e+01	3.6438e+02	9.7820e+02
	303	-1.0658e-14	-5.4437e+00	2.0277e+00	-3.1493e+01	2.8045e+02	7.5288e+02
450	302	7.1054e-15	-6.2269e+00	2.3195e+00	1.0170e+02	-3.3933e+02	-9.1096e+02
	314	-7.1054e-15	6.2269e+00	-2.3195e+00	-1.0170e+02	-4.1451e+02	-1.1128e+03
451	308	7.1054e-15	-1.5808e+00	5.8886e-01	2.2233e+02	-1.6092e+02	-4.3201e+02
	302	-7.1054e-15	1.5808e+00	-5.8886e-01	-2.2233e+02	-3.2811e+01	-8.8085e+01
452	313	3.5527e-15	7.9174e+00	-2.9492e+00	-2.9438e+02	4.5278e+02	1.2155e+03
	308	-3.5527e-15	-7.9174e+00	2.9492e+00	2.9438e+02	4.3936e+02	1.1795e+03
453	80	-7.1054e-15	-2.2609e+00	8.4219e-01	-5.0691e+01	-1.1480e+02	-3.0819e+02
	313	7.1054e-15	2.2609e+00	-8.4219e-01	5.0691e+01	-1.4743e+02	-3.9578e+02
462	125	-1.0658e-14	-3.9217e-01	1.4608e-01	-1.5244e+02	-6.2278e+01	-1.6719e+02
	317	1.0658e-14	3.9217e-01	-1.4608e-01	1.5244e+02	1.5480e+01	4.1556e+01
463	317	3.9080e-14	-1.8137e+00	6.7560e-01	-7.0050e+00	-1.1904e+02	-3.1956e+02
	324	-3.9080e-14	1.8137e+00	-6.7560e-01	7.0050e+00	-9.5805e+01	-2.5720e+02
464	324	-1.4211e-14	-2.9589e+00	1.1022e+00	-4.6075e+01	-1.5514e+02	-4.1649e+02
	331	1.4211e-14	2.9589e+00	-1.1022e+00	4.6075e+01	-1.9535e+02	-5.2443e+02
465	331	-1.7764e-14	2.2496e+00	-8.3798e-01	3.7067e+01	1.5481e+02	4.1560e+02
	319	1.7764e-14	-2.2496e+00	8.3798e-01	-3.7067e+01	1.1167e+02	2.9978e+02
466	319	1.0658e-14	8.9459e-01	-3.3323e-01	-2.3564e+01	5.9623e+01	1.6006e+02
	310	-1.0658e-14	-8.9459e-01	3.3323e-01	2.3564e+01	5.2177e+01	1.4007e+02
467	310	-1.7764e-14	8.7092e+00	-3.2442e+00	-2.1382e+01	4.9125e+02	1.3188e+03
	329	1.7764e-14	-8.7092e+00	3.2442e+00	2.1382e+01	5.0795e+02	1.3636e+03
468	329	-2.8422e-14	-4.9157e+00	1.8311e+00	-1.9501e+01	-3.3449e+02	-8.9796e+02
	323	2.8422e-14	4.9157e+00	-1.8311e+00	1.9501e+01	-2.3865e+02	-6.4067e+02
469	323	-7.1054e-15	-7.2190e+00	2.6890e+00	2.5932e+02	-4.7712e+02	-1.2809e+03
	75	7.1054e-15	7.2190e+00	-2.6890e+00	-2.5932e+02	-3.6015e+02	-9.6684e+02
564	441	4.2633e-14	8.4209e+01	2.5494e+00	5.8746e+02	-1.3093e+02	4.4822e+03
	170	-4.2633e-14	7.0521e+01	-2.5494e+00	-5.8746e+02	-6.8577e+02	-2.2897e+03
565	459	1.4211e-14	7.7361e+01	2.0999e-01	-1.0115e+01	-9.2840e+01	4.3195e+03
	441	-1.4211e-14	7.6233e+01	-2.0999e-01	1.0115e+01	2.6064e+01	-4.1402e+03
566	439	1.4211e-14	6.9701e+01	-2.6431e+00	-2.6942e+02	6.9351e+02	2.2085e+03
	459	-1.4211e-14	8.3893e+01	2.6431e+00	2.6942e+02	1.4698e+02	-4.4648e+03
567	444	-2.8422e-14	5.7824e-01	2.1539e-01	6.4535e+01	-2.9260e+02	7.8550e+02

	439	2.8422e-14	-5.7824e-01	-2.1539e-01	-6.4535e+01	2.2410e+02	-6.0162e+02
568	423	-1.4211e-14	-1.0728e+00	-3.9961e-01	7.8666e+02	-1.9655e+02	5.2765e+02
	444	1.4211e-14	1.0728e+00	3.9961e-01	-7.8666e+02	3.2642e+02	-8.7631e+02
569	468	2.8422e-14	8.4117e+01	1.7373e+00	-2.9612e+02	1.1548e+02	4.0467e+03
	423	-2.8422e-14	7.4790e+01	-1.7373e+00	2.9612e+02	-6.8705e+02	-2.5123e+03
570	432	-4.2633e-14	7.8449e+01	2.0096e+00	-7.2170e+02	-4.4529e+02	4.8786e+03
	468	4.2633e-14	6.7659e+01	-2.0096e+00	7.2170e+02	-1.6261e+02	-3.2466e+03
571	84	-7.1054e-15	6.7941e+01	-2.7017e+00	-1.2020e+02	5.2757e+02	2.4858e+03
	432	7.1054e-15	8.2447e+01	2.7017e+00	1.2020e+02	3.1365e+02	-4.7441e+03
580	163	-1.4211e-14	7.1198e+01	-2.2972e+00	-2.3172e+02	6.4323e+02	2.4039e+03
	419	1.4211e-14	8.3532e+01	2.2972e+00	2.3172e+02	9.2679e+01	-4.3795e+03
581	419	1.4211e-14	7.7818e+01	3.8036e-01	3.7580e+02	2.1587e+00	4.0644e+03
	443	-1.4211e-14	7.5776e+01	-3.8036e-01	-3.7580e+02	-1.2311e+02	-3.7397e+03
582	443	1.4211e-14	7.4988e+01	-6.7374e-01	-3.1883e+02	2.2525e+01	4.0098e+03
	417	-1.4211e-14	7.8606e+01	6.7374e-01	3.1883e+02	1.9172e+02	-4.5849e+03
583	417	-4.2633e-14	7.8089e+01	4.8114e-01	2.0353e+02	-1.7698e+02	4.5453e+03
	438	4.2633e-14	7.5505e+01	-4.8114e-01	-2.0353e+02	2.3972e+01	-4.1346e+03
584	438	1.4211e-14	7.8209e+01	-1.0484e+00	-1.1540e+03	2.2725e+02	3.9205e+03
	448	-1.4211e-14	8.3838e+01	1.0484e+00	1.1540e+03	1.2449e+02	-4.8648e+03
585	448	-1.4211e-14	8.0228e+01	2.1776e+00	-6.2890e+03	-5.5785e+02	5.3159e+03
	434	1.4211e-14	6.8536e+01	-2.1776e+00	6.2890e+03	-1.1285e+02	-3.5153e+03
586	434	-2.8422e-14	6.1963e+01	-5.0758e+00	-3.4128e+02	1.2045e+03	7.0970e+02
	433	2.8422e-14	8.9216e+01	5.0758e+00	3.4128e+02	3.8423e+02	-4.9747e+03
587	433	7.1054e-15	8.8975e+01	5.1333e+00	7.8081e+03	-6.9003e+02	5.7545e+03
	79	-7.1054e-15	6.1413e+01	-5.1333e+00	-7.8081e+03	-9.0828e+02	-1.4637e+03
597	441	1.7053e-13	2.5718e+01	9.5799e+00	-6.7054e+01	-9.2883e+02	2.4935e+03
	424	-1.7053e-13	-2.5718e+01	-9.5799e+00	6.7054e+01	-9.2489e+02	2.4829e+03
635	367	2.2204e-14	-7.9834e+00	2.9738e+00	1.8901e+02	-2.9920e+02	-8.0322e+02
	167	-2.2204e-14	7.9834e+00	-2.9738e+00	-1.8901e+02	-6.5346e+02	-1.7543e+03
636	349	-7.9936e-15	1.4600e+00	-5.4384e-01	-1.8722e+01	2.8973e+01	7.7780e+01
	367	7.9936e-15	-1.4600e+00	5.4384e-01	1.8722e+01	1.4397e+02	3.8649e+02
637	355	-2.3093e-14	2.7917e+00	-1.0399e+00	-2.0272e+02	1.8469e+02	4.9583e+02
	349	2.3093e-14	-2.7917e+00	1.0399e+00	2.0272e+02	1.4600e+02	3.9194e+02
638	366	-1.7764e-14	9.7695e+00	-3.6391e+00	1.3678e+00	5.9075e+02	1.5859e+03
	355	1.7764e-14	-9.7695e+00	3.6391e+00	-1.3678e+00	5.6649e+02	1.5208e+03
639	368	-3.5527e-15	-1.0621e+01	3.9562e+00	1.0063e+02	-6.3721e+02	-1.7106e+03
	366	3.5527e-15	1.0621e+01	-3.9562e+00	-1.0063e+02	-6.4857e+02	-1.7411e+03
640	352	-4.1744e-14	-1.5536e+00	5.7871e-01	4.8109e+02	-1.0127e+02	-2.7186e+02
	368	4.1744e-14	1.5536e+00	-5.7871e-01	-4.8109e+02	-8.9127e+01	-2.3927e+02
641	353	2.6645e-14	1.0779e+01	-4.0151e+00	-4.1619e+02	5.6931e+02	1.5284e+03
	352	-2.6645e-14	-1.0779e+01	4.0151e+00	4.1619e+02	6.4526e+02	1.7323e+03
642	82	2.9310e-14	-2.2899e+00	8.5299e-01	-1.9704e+02	-7.0895e+01	-1.9032e+02
	353	-2.9310e-14	2.2899e+00	-8.5299e-01	1.9704e+02	-1.9469e+02	-5.2267e+02
651	129	1.7764e-14	8.6916e+00	-3.2376e+00	-2.5252e+02	6.8308e+02	1.8338e+03
	380	-1.7764e-14	-8.6916e+00	3.2376e+00	2.5252e+02	3.5409e+02	9.5059e+02
652	380	-1.3323e-14	-4.1121e+00	1.5317e+00	-1.3297e+02	-2.7866e+02	-7.4807e+02
	370	1.3323e-14	4.1121e+00	-1.5317e+00	1.3297e+02	-2.0844e+02	-5.5956e+02
653	370	-2.0428e-14	-4.3739e+00	1.6293e+00	-1.7349e+01	-2.4377e+02	-6.5443e+02
	383	2.0428e-14	4.3739e+00	-1.6293e+00	1.7349e+01	-2.7434e+02	-7.3648e+02
654	383	-4.6185e-14	4.2137e+00	-1.5696e+00	5.8193e+01	2.5571e+02	6.8648e+02

	371	4.6185e-14	-4.2137e+00	1.5696e+00	-5.8193e+01	2.4342e+02	6.5347e+02
655	371	9.7700e-15	1.4791e+00	-5.5095e-01	3.1205e+02	1.1915e+02	3.1986e+02
	354	-9.7700e-15	-1.4791e+00	5.5095e-01	-3.1205e+02	6.5698e+01	1.7637e+02
656	354	3.9080e-14	1.5622e+01	-5.8192e+00	9.4922e+02	8.3552e+02	2.2430e+03
	385	-3.9080e-14	-1.5622e+01	5.8192e+00	-9.4922e+02	9.5679e+02	2.5686e+03
657	385	-2.4869e-14	-2.1744e+00	8.0998e-01	5.1825e+02	-1.6760e+02	-4.4993e+02
	386	2.4869e-14	2.1744e+00	-8.0998e-01	-5.1825e+02	-8.5925e+01	-2.3067e+02
658	386	9.7700e-15	-3.1047e+01	1.1565e+01	-1.3944e+03	-1.4849e+03	-3.9864e+03
	77	-9.7700e-15	3.1047e+01	-1.1565e+01	1.3944e+03	-2.1159e+03	-5.6804e+03
Elem	Nodo	Nx	Ny	Nxy	Mx	My	Mxy
28	484	0.0000e+00	-1.5624e-02	-4.8434e-03	-6.9354e-01	1.3034e+00	1.1982e+00
	482	0.0000e+00	-4.4764e-02	-1.9648e-03	5.5522e-02	3.1353e+00	-2.4771e-01
	564	-5.3019e-03	-4.4764e-02	1.1453e-02	-1.2760e+00	-4.0293e+00	1.4393e+00
29	563	3.0752e-03	-8.3871e-04	2.4591e-03	-7.7660e-01	1.5057e+00	3.0858e-01
	484	3.0752e-03	-9.6302e-04	1.2931e-02	7.0765e-01	1.3407e+00	-7.4573e-02
	564	-1.9667e-02	-8.3871e-04	2.5266e-03	-1.1927e+00	-1.4355e+00	1.2938e-01
30	563	-8.3871e-04	-2.7242e-02	-1.9063e-03	1.0980e+00	2.1308e+00	4.2384e-01
	564	-8.3871e-04	-5.5767e-02	-1.9738e-03	-1.2043e+00	3.4244e+00	-2.2362e-01
	544	-7.1440e-04	-5.5767e-02	1.1161e-02	-1.8005e+00	-3.6137e+00	9.6765e-01
31	543	8.4589e-03	-4.1490e-03	3.3461e-03	-1.7171e+00	2.5873e+00	-6.9661e-02
	563	8.4589e-03	-3.5090e-03	1.6895e-02	9.4279e-01	1.8694e+00	-4.8233e-01
	544	-2.0967e-02	-4.1490e-03	2.9986e-03	-2.1652e+00	-2.9801e+00	-8.4921e-01
32	543	-4.1490e-03	-2.6785e-04	-1.2682e-02	2.0255e+00	1.8301e+00	1.5649e+00
	544	-4.1490e-03	-8.9953e-02	-1.2334e-02	-2.6860e+00	3.2739e+00	1.3676e-01
	1	-4.7890e-03	-8.9953e-02	2.8962e-02	-4.0012e+00	-8.3331e+00	1.4664e+00
33	58	1.7529e-02	0.0000e+00	-1.7820e-02	-2.3240e+00	1.0336e+00	1.0056e+00
	543	1.7529e-02	-3.6787e-02	3.1566e-03	1.6505e+00	4.0054e+00	-2.5674e-01
	1	-2.8027e-02	0.0000e+00	2.1528e-03	-3.6948e+00	9.6912e-01	4.2327e+00
34	523	6.2831e-04	-6.7895e-02	-2.0204e-04	6.5518e-01	-9.9906e-03	-2.2706e-01
	561	6.2831e-04	1.2400e-02	-5.9831e-03	-9.1917e-01	1.8344e+00	2.1042e-01
	541	1.1361e-02	1.2400e-02	-4.3251e-02	-5.1306e-01	-3.3757e+00	1.9225e+00
35	519	-9.1283e-02	-8.8940e-04	2.0016e-02	-8.2048e-01	7.7578e-01	2.7064e-01
	523	-9.1283e-02	6.5416e-03	-7.4679e-03	4.2976e-01	8.1084e-01	6.0505e-01
	541	-3.2067e-02	-8.8940e-04	1.6013e-02	-4.6023e-01	5.1935e-01	3.0842e-01
36	519	-8.8940e-04	-2.0828e-02	-2.4722e-02	5.5981e-01	5.3623e-01	4.1716e-01
	541	-8.8940e-04	1.0188e-03	-2.0719e-02	6.8410e-01	1.9517e+00	3.6956e-02
	536	-8.3204e-03	1.0188e-03	-3.0859e-02	3.3117e-01	-2.3624e+00	1.3509e+00
37	52	-7.6505e-02	0.0000e+00	1.3502e-02	-4.9859e+00	-3.9776e-01	-1.4056e+00
	519	-7.6505e-02	-1.7351e-02	-9.9868e-03	2.6071e+00	3.2484e-01	1.0868e+00
	536	-2.5897e-02	0.0000e+00	2.2848e-02	-2.3009e+00	5.6018e-01	-6.2715e-01
38	523	-2.0307e-01	6.2831e-04	2.6784e-02	1.7394e+00	-4.0221e-02	-3.8459e-03
	161	-2.0307e-01	1.7592e-17	5.6344e-02	-1.0366e+01	-1.5947e+00	2.5132e+00
	486	2.9437e-02	1.7592e-17	9.1680e-03	-1.9490e-01	1.8154e+00	3.1368e+00
	561	2.9437e-02	6.2831e-04	-2.0392e-02	-3.0087e+00	-8.9690e-01	6.1978e-01
39	560	-2.2996e-02	-6.5458e-03	-9.0442e-03	-4.1015e+00	-9.2813e-01	2.5312e-01
	579	-2.2996e-02	0.0000e+00	-5.9429e-02	-2.9911e+00	2.9317e+00	-1.9469e+00
	161	-2.0307e-01	0.0000e+00	-8.1180e-02	-1.2007e+01	-3.2175e+00	-1.4603e+00
	523	-2.0307e-01	-6.5458e-03	-3.0795e-02	1.8304e+00	-7.4598e-01	7.3972e-01
40	540	-5.8801e-02	-7.3025e-03	-2.4319e-03	-2.7546e+00	-9.1541e-01	1.2100e-02
	560	-5.8801e-02	-6.5458e-03	-1.4856e-02	-2.5553e+00	-9.1445e-01	4.6321e-01
	523	-9.1283e-02	-6.5458e-03	1.9499e-04	-4.2543e+00	-9.2033e-01	2.7810e-01
	519	-9.1283e-02	-7.3025e-03	1.2619e-02	-4.2321e-01	-3.9126e-01	-1.7301e-01
41	412	-4.6746e-02	0.0000e+00	-1.1689e-02	-2.5397e+00	-7.0625e-01	-1.0581e+00
	540	-4.6746e-02	-7.3025e-03	9.8705e-03	-2.3988e+00	-2.1373e-01	-4.4932e-01
	519	-7.6505e-02	-7.3025e-03	2.4338e-02	-3.1188e+00	-7.8254e-01	-7.3358e-01

	52	-7.6505e-02	0.0000e+00	2.7787e-03	-9.6625e-01	5.2099e-01	-1.3423e+00
42	557	3.7806e-03	8.1186e-04	-3.3355e-02	-4.7013e+00	1.0180e+00	9.1534e-02
	490	5.0846e-03	-5.4771e-03	-4.3570e-02	3.6026e+00	-1.5454e-01	-1.1616e-01
	488	-1.7435e-01	-8.9457e-03	-7.6881e-02	2.8985e+00	-4.6405e-02	-4.5241e-01
	481	-1.6200e-01	2.1710e-02	-2.5118e-02	-7.2431e-02	5.7617e-01	-1.1253e+00
43	480	-3.2842e-02	-6.8699e-03	2.7211e-02	-6.2729e-01	3.9971e-01	-5.6984e-01
	558	-3.5347e-02	-8.7992e-04	2.9100e-02	-1.3134e+00	7.7347e-01	-3.8724e-01
	557	-5.1760e-02	-1.3214e-02	4.3552e-02	-1.2508e+00	1.6130e+00	9.0811e-01
	481	-5.4265e-02	-3.2033e-02	5.0454e-02	-1.1108e+00	3.7456e-01	7.4615e-01
44	577	5.4066e-02	1.4938e-02	8.2047e-02	4.6372e-01	-3.3978e-01	-7.1613e-01
	480	7.0957e-02	4.9411e-03	-7.3869e-03	7.9008e-01	-8.2385e-01	-2.0801e-01
	481	-1.6332e-01	-6.7389e-04	-4.8277e-02	1.0910e+00	4.4950e-01	-3.4917e-01
	488	-1.4643e-01	9.4992e-03	4.3683e-02	2.2033e+00	-6.8050e-02	-6.7989e-01
45	559	2.9394e-03	-4.9470e-02	-2.6948e-02	-2.2836e-01	-1.2802e+00	1.2164e-01
	558	2.9394e-03	-4.6606e-02	4.4125e-03	1.6223e-01	-1.8652e-01	6.2739e-01
	480	1.0286e-02	-4.6606e-02	5.9556e-03	-2.2870e-01	6.5467e-01	1.1182e+00
	472	1.0286e-02	-5.6643e-02	-3.3943e-02	4.3520e-01	-4.9109e-02	6.5009e-01
46	489	-2.6406e-02	-9.2027e-02	-7.7122e-02	9.2890e-01	3.7066e+00	2.1456e+00
	578	-1.5019e-02	1.4364e-02	-3.7410e-02	-4.9575e-02	-3.7811e-01	1.3638e+00
	559	-1.7946e-02	7.4396e-03	-1.9238e-02	-4.8205e-01	-1.8854e-01	5.0705e-02
	472	-4.8733e-04	-1.6672e-01	-4.0161e-02	3.4080e-01	1.7947e+00	4.0917e-01
47	577	-1.3433e-16	6.9004e-02	9.0372e-02	-3.8051e-01	6.3856e-01	-4.5424e-01
	489	-1.2877e-16	-2.3717e-01	5.5261e-02	7.0060e-01	4.4393e+00	-4.0399e-01
	472	1.0286e-02	-1.4916e-01	-3.2325e-02	1.2307e+00	2.3562e+00	6.6437e-01
	480	1.0286e-02	6.9004e-02	5.4503e-03	-5.3383e-01	1.6420e+00	7.9389e-01
48	24	-1.8372e-03	4.2369e-04	-2.2300e-02	2.5534e-02	-1.0453e+00	1.5609e-01
	427	-1.8372e-03	0.0000e+00	-2.3207e-02	3.1728e-01	-5.5329e-02	1.9238e-01
	490	-3.9253e-04	0.0000e+00	-3.1955e-02	-1.9413e+00	1.4167e-01	3.8246e-02
	557	-3.9253e-04	4.2369e-04	-3.1048e-02	2.4841e+00	1.2436e+00	1.9508e-03
49	505	-5.0571e-03	5.5595e-05	-1.1222e-02	-2.3008e+00	9.1660e-02	-7.6193e-01
	428	-5.0571e-03	0.0000e+00	-1.0506e-02	-5.4229e+00	-1.7938e-01	2.9450e-01
	427	-1.8372e-03	0.0000e+00	-1.4726e-02	-8.6240e-01	1.7015e-01	5.0952e-01
	24	-1.8372e-03	5.5595e-05	-1.5442e-02	-1.0300e+00	-2.5671e-01	-5.4692e-01
50	604	1.4454e-02	-1.4660e-02	-7.3585e-03	-2.4533e+00	-2.7964e-01	-1.4195e+00
	430	1.1007e-02	-1.7649e-02	-1.2893e-02	-3.7450e+00	-1.0924e+00	-2.1993e+00
	428	8.3765e-03	-1.3434e-02	-9.8141e-03	-4.7821e+00	-1.8268e+00	-2.9226e+00
	505	4.9295e-03	-1.1581e-02	-7.2138e-03	-2.5531e+00	-1.0706e+00	-1.2923e+00
51	603	8.6518e-03	-1.1604e-02	-8.4153e-03	-1.3263e+00	-1.1484e-01	-1.8861e-01
	583	1.1558e-02	-1.4789e-02	-1.0158e-02	-1.7989e-01	-5.7371e-01	-8.2402e-01
	430	1.0405e-02	-1.8620e-02	-1.3937e-02	-2.7233e+00	-1.8042e+00	-2.0922e+00
	604	1.3311e-02	-1.3483e-02	-8.8223e-03	-2.0853e+00	1.0898e-02	-9.4360e-01
52	602	-2.5409e-03	1.9090e-03	-5.9596e-04	-2.8308e-01	1.0612e-01	1.9239e-01
	437	-1.0580e-04	4.4078e-03	-4.7669e-03	-3.4289e-01	-3.8064e-02	1.9391e-01
	583	-1.0864e-02	7.6321e-03	-5.7974e-03	-3.3671e-01	6.8321e-03	7.7628e-02
	603	-8.4287e-03	5.8763e-03	-3.5542e-03	-3.4620e-01	9.3694e-03	9.6203e-02
53	601	4.8598e-03	-6.4549e-03	1.0833e-03	-8.4461e-01	-5.1465e-01	6.6670e-01
	446	4.8598e-03	-3.5405e-03	-3.1117e-04	-1.1122e+00	-1.3405e+00	1.0978e+00
	437	-2.4689e-03	-3.2737e-03	2.9149e-03	-2.3200e-01	-6.4673e-01	5.0591e-01
	602	-2.4689e-03	-6.1881e-03	4.3094e-03	-6.3544e-01	-2.9815e-01	3.3331e-01
54	600	8.5128e-03	-1.0374e-02	4.8375e-03	-1.2291e+00	-5.9354e-01	8.2157e-01
	455	8.0733e-03	-8.9529e-03	3.7027e-03	-2.7573e+00	-1.4079e+00	1.8407e+00
	446	3.9553e-03	-7.5205e-03	4.0853e-03	-2.1923e+00	-8.5209e-01	1.4864e+00
	601	3.5158e-03	-9.2838e-03	5.7715e-03	-1.5604e+00	-4.5420e-01	9.2172e-01
55	599	3.4983e-03	-7.6644e-03	7.5892e-03	-1.6037e+00	-4.8350e-01	1.2279e+00
	460	3.4983e-03	-7.9182e-03	7.8025e-03	-3.2517e+00	-8.9492e-01	1.7596e+00
	455	6.3151e-03	-8.7766e-03	8.0877e-03	-3.9049e+00	-6.6085e-01	1.8154e+00
	600	6.3151e-03	-8.5228e-03	7.8744e-03	-1.8666e+00	-4.2521e-01	1.0536e+00

56	598	-1.7264e-02	-8.1388e-03	1.8650e-02	-5.4120e+00	-1.1128e+00	5.7054e-01
	25	-2.0627e-02	-4.3264e-03	1.1778e-02	-1.2064e+01	-1.4998e+00	3.8247e+00
	460	2.0129e-03	-2.0127e-03	4.1440e-03	-5.7550e+00	-4.8573e-01	2.7062e+00
	599	-1.3500e-03	-6.2284e-03	1.2667e-02	-3.5089e+00	6.4366e-01	7.7626e-01
57	597	-7.8300e-03	9.6370e-04	-2.4448e-02	-1.5042e+00	-2.0360e+00	-3.0364e-01
	24	-7.8300e-03	4.2369e-04	-2.1956e-02	-1.8590e+00	-1.1898e+00	1.0377e-01
	557	-1.3930e-02	4.2369e-04	-3.1135e-02	-4.1240e+00	1.4804e+00	5.1378e-01
	537	-1.3930e-02	9.6370e-04	-3.3627e-02	3.0059e+00	2.0290e+00	1.0637e-01
58	596	-4.4761e-04	-1.2099e-04	-1.2429e-02	1.2387e+00	1.4646e+00	-3.9200e-01
	505	-4.4761e-04	5.5595e-05	-9.6035e-03	-1.5059e+00	4.8609e-01	-8.6054e-01
	24	-7.8300e-03	5.5595e-05	-1.5097e-02	-1.3846e+00	-6.6036e-01	-7.0523e-01
	597	-7.8300e-03	-1.2099e-04	-1.7923e-02	-1.4688e+00	-1.7514e+00	-2.3669e-01
59	595	-8.8900e-04	-1.2204e-03	-2.0350e-02	1.8513e+00	4.4892e-01	2.9864e-01
	604	-8.8900e-04	-1.5941e-03	-1.6490e-02	-8.0382e-01	5.8335e-01	1.0646e-01
	505	-4.4761e-04	-1.5941e-03	-9.2065e-03	-9.9142e-01	-1.6477e-01	-1.5945e-01
	596	-4.4761e-04	-1.2204e-03	-1.3066e-02	1.3317e+00	2.5871e-01	3.2734e-02
60	594	-9.1546e-03	4.0884e-04	-1.6605e-02	3.2734e-01	-1.0261e+00	3.0600e-01
	603	-9.1546e-03	2.7932e-04	-1.3923e-02	-7.9722e-01	-5.3969e-01	5.7601e-01
	604	-8.8900e-04	2.7932e-04	-1.7321e-02	-9.6532e-01	5.2214e-01	6.3116e-01
	595	-8.8900e-04	4.0884e-04	-2.0003e-02	1.9859e+00	9.6862e-01	3.6114e-01
61	593	-6.7458e-03	1.0935e-03	-5.8652e-04	3.8315e-02	1.5825e-01	-1.3029e-01
	602	-6.7458e-03	6.7940e-04	7.0773e-04	-5.1809e-01	1.6980e-01	-1.7141e-01
	603	-9.1546e-03	6.7940e-04	-8.6159e-03	-7.3565e-01	-4.0327e-02	2.1776e-01
	594	-9.1546e-03	1.0935e-03	-9.9102e-03	6.6735e-02	-3.6720e-01	2.5888e-01
62	592	-4.7152e-03	-4.5987e-04	4.4239e-03	1.4904e+00	2.6715e-01	-1.1709e-01
	601	-4.7152e-03	-1.8878e-04	5.1715e-03	-7.2638e-01	1.4183e-01	-2.9866e-01
	602	-6.7458e-03	-1.8878e-04	4.5975e-03	-6.0627e-01	-2.8383e-01	-2.5386e-01
	593	-6.7458e-03	-4.5987e-04	3.8498e-03	3.6806e-01	-4.4161e-01	-7.2292e-02
63	591	-1.1852e-03	1.5268e-04	1.0690e-02	2.6483e+00	2.7001e-01	-6.7877e-02
	600	-1.1852e-03	2.3999e-04	1.1349e-02	-5.8145e-01	1.8389e-01	-2.1248e-01
	601	-4.7152e-03	2.3999e-04	7.6726e-03	-3.6974e-01	-4.4235e-02	-1.5255e-01
	592	-4.7152e-03	1.5268e-04	7.0130e-03	1.6384e+00	-1.7378e-01	-7.9501e-03
64	590	-3.7768e-03	-9.7650e-05	6.1123e-03	2.9003e+00	-2.2695e-01	-2.7520e-01
	599	-3.7768e-03	4.7494e-05	9.2661e-03	-1.2496e+00	2.9582e-01	-1.8369e-01
	600	-1.1852e-03	4.7494e-05	1.1517e-02	-5.3909e-01	1.1267e-01	1.6947e-01
	591	-1.1852e-03	-9.7650e-05	8.3630e-03	2.6950e+00	3.7951e-01	7.7957e-02
65	589	6.9864e-03	4.2987e-03	9.9263e-03	3.5083e+00	1.6547e-01	-6.2598e-01
	598	6.9864e-03	-4.4955e-04	1.4127e-02	-2.9761e+00	-7.0767e-01	-4.7034e-01
	599	-3.7768e-03	-4.4955e-04	1.2435e-02	-1.6416e+00	5.4408e-01	-3.3606e-01
	590	-3.7768e-03	4.2987e-03	8.2338e-03	2.9226e+00	-4.4071e-01	-4.9170e-01
66	415	-2.0986e-02	0.0000e+00	-2.3835e-02	-6.5306e+00	-4.9001e-01	-1.0491e+00
	597	-2.0986e-02	9.6370e-04	-2.6561e-02	-2.8268e+00	-1.9739e+00	2.5569e-01
	537	-9.5278e-03	9.6370e-04	-3.0145e-02	-3.1899e+00	1.9773e+00	2.6611e-01
	53	-9.5278e-03	0.0000e+00	-2.7419e-02	1.0227e+00	4.8579e-01	-1.0387e+00
67	418	3.2670e-03	0.0000e+00	-8.4517e-04	5.7594e+00	6.3941e-01	2.4615e+00
	596	3.2670e-03	-1.2099e-04	-1.2769e-02	1.6111e+00	1.7562e+00	-4.9236e-02
	597	-2.0986e-02	-1.2099e-04	-2.0036e-02	-1.4518e+00	-1.9847e+00	-2.8409e-01
	415	-2.0986e-02	0.0000e+00	-8.1119e-03	-5.0365e+00	-6.9770e-01	2.2267e+00
68	425	5.1555e-03	2.2404e-31	-1.3653e-02	8.6137e+00	-1.6428e-02	-1.7890e-01
	595	5.1555e-03	-1.2204e-03	-2.0900e-02	3.8244e+00	4.5903e-01	-1.4431e-01
	596	3.2670e-03	-1.2204e-03	-1.3407e-02	3.7066e+00	4.6374e-01	7.0802e-01
	418	3.2670e-03	1.5564e-31	-6.1596e-03	8.8588e+00	1.2720e-02	6.7342e-01
69	450	-1.6184e-02	-1.0277e-31	-1.6596e-02	7.1807e-01	-4.0540e-01	-1.2432e+00
	594	-1.6184e-02	4.0884e-04	-1.6775e-02	7.7201e-01	-1.1160e+00	1.9408e-01
	595	5.1555e-03	4.0884e-04	-2.0553e-02	2.6214e+00	1.1344e+00	2.6932e-01
	425	5.1555e-03	-1.2617e-31	-2.0375e-02	6.8019e+00	3.6930e-01	-1.1679e+00
70	451	-9.7717e-03	0.0000e+00	2.4584e-03	-1.5953e-01	6.4461e-02	3.5033e-01

	593	-9.7717e-03	1.0935e-03	7.0420e-04	6.5943e-02	1.7119e-01	1.1769e-01
	594	-1.6184e-02	1.0935e-03	-1.0080e-02	-1.4028e-01	-4.1505e-01	-1.1680e-01
	450	-1.6184e-02	0.0000e+00	-8.3259e-03	-1.0234e+00	-1.0440e-01	1.1584e-01
71	454	-6.2967e-03	0.0000e+00	3.8163e-03	3.8566e+00	1.4568e-01	8.0233e-01
	592	-6.2967e-03	-4.5987e-04	2.6239e-03	1.6702e+00	3.6216e-01	1.1052e-01
	593	-9.7717e-03	-4.5987e-04	5.1405e-03	6.2893e-01	-4.5789e-01	4.4521e-02
	451	-9.7717e-03	0.0000e+00	6.3329e-03	1.0793e+00	-1.9358e-01	7.3633e-01
72	457	-2.4336e-03	-2.9623e-17	1.4345e-02	7.5189e+00	1.1411e-01	5.0851e-01
	591	-2.4336e-03	1.5268e-04	1.3374e-02	3.5188e+00	3.5004e-01	-1.6140e-02
	592	-6.2967e-03	1.5268e-04	5.2130e-03	2.8714e+00	-1.7752e-01	2.5329e-01
	454	-6.2967e-03	-1.2748e-17	6.1839e-03	5.2703e+00	-1.3684e-01	7.7794e-01
73	462	-1.2509e-02	2.7173e-32	4.3881e-03	6.9313e+00	-8.6974e-02	-2.8049e-01
	590	-1.2509e-02	-9.7650e-05	4.2789e-04	3.7655e+00	-2.4523e-01	-7.7677e-02
	591	-2.4336e-03	-9.7650e-05	1.1048e-02	4.0101e+00	4.3831e-01	2.2116e-01
	457	-2.4336e-03	9.2935e-32	1.5008e-02	7.8062e+00	6.3491e-02	1.8343e-02
74	414	4.5658e-02	-9.7971e-17	2.3696e-02	1.3787e+01	3.0420e-01	8.4384e-01
	589	4.5658e-02	4.2987e-03	1.7052e-02	5.9789e+00	6.6047e-01	-5.9284e-01
	590	-1.2509e-02	4.2987e-03	2.5494e-03	4.5096e+00	-6.4363e-01	-3.9975e-01
	462	-1.2509e-02	-3.7691e-17	9.1930e-03	8.3451e+00	-4.4791e-01	1.0369e+00
75	575	3.0865e-03	-1.7829e-03	-4.0287e-03	-1.1271e+00	2.8755e-01	-5.2539e-02
	410	2.7026e-03	-2.4526e-03	-5.0212e-03	-3.3982e+00	1.2101e-01	-6.4767e-01
	471	9.1830e-04	-9.5308e-04	-1.9664e-03	-4.5471e+00	-2.0212e-01	-8.9876e-01
	576	5.3439e-04	-3.4740e-04	-1.2014e-03	-8.7617e-01	-1.3304e-02	1.8883e-01
76	574	5.9216e-03	-4.5841e-03	-4.0287e-03	-9.2499e-01	1.0610e-01	-2.0088e-01
	408	5.9216e-03	-5.6688e-03	-4.8001e-03	-2.2511e+00	-7.7829e-02	-7.7401e-01
	410	4.4909e-03	-5.6610e-03	-5.1207e-03	-2.3323e+00	-3.3981e-01	-7.3987e-01
	575	4.4909e-03	-4.5764e-03	-4.3493e-03	-5.1455e-01	-2.3202e-02	-1.1416e-02
77	573	8.3211e-03	-8.1033e-03	-1.1826e-03	-8.2499e-01	-1.0161e-01	-4.5672e-01
	405	8.0606e-03	-9.1185e-03	-1.9667e-03	-1.0944e+00	-3.0460e-01	-6.8707e-01
	408	7.8690e-03	-8.2286e-03	-1.5227e-03	-1.4149e+00	-6.1628e-01	-8.4982e-01
	574	7.6085e-03	-7.5390e-03	-1.1514e-03	-5.3428e-01	-1.2093e-01	-1.3767e-01
78	572	6.5302e-03	-7.0107e-03	-3.7059e-03	-6.4539e-01	1.4879e-01	-2.2318e-01
	585	6.9302e-03	-7.4485e-03	-3.8948e-03	-2.2612e-01	-1.2728e-01	-3.1429e-01
	405	7.0803e-03	-8.1837e-03	-4.4440e-03	-1.0727e+00	-8.2568e-01	-7.9994e-01
	573	7.4803e-03	-7.4123e-03	-3.7380e-03	-6.6587e-01	-3.3269e-01	-2.0131e-01
79	571	-5.3156e-03	5.1497e-03	-4.3779e-03	-6.1711e-01	-7.4517e-01	3.9839e-01
	404	-4.9258e-03	5.7074e-03	-5.0710e-03	-1.0489e+00	-1.0853e+00	1.1082e+00
	585	-6.0594e-03	5.5412e-03	-4.6296e-03	-2.6177e-02	-3.4201e-01	6.2157e-01
	572	-5.6696e-03	5.1493e-03	-4.2960e-03	-3.8727e-01	8.8187e-02	3.8312e-01
80	570	-3.1943e-03	2.9274e-03	-8.6800e-04	-6.3502e-01	-5.6711e-01	6.8520e-01
	403	-3.3950e-03	3.9884e-03	-1.5126e-03	-9.5781e-01	-7.7732e-01	8.8027e-01
	404	-6.7044e-03	5.7516e-03	-1.5245e-03	-9.1105e-01	-6.3700e-01	7.9528e-01
	571	-6.9051e-03	4.4755e-03	-5.8602e-04	-7.2265e-01	-5.2949e-01	6.4049e-01
81	569	1.7814e-04	-5.6341e-04	4.8325e-04	-1.3258e+00	-8.7874e-01	6.5612e-01
	402	1.4886e-04	-3.3318e-05	-3.3809e-06	-1.9929e+00	-9.4801e-01	1.2372e+00
	403	-2.8214e-03	1.0633e-03	-3.7095e-04	-1.4864e+00	-6.4215e-01	1.1035e+00
	570	-2.8507e-03	5.1764e-04	1.4591e-04	-1.0329e+00	-2.4327e-01	7.6627e-01
82	568	1.9159e-03	-2.9352e-03	6.9216e-03	-1.3517e+00	-1.7426e-01	2.8154e-01
	401	1.6619e-03	-3.0136e-03	6.3605e-03	-2.4182e+00	-3.4891e-02	3.9434e-01
	402	-9.8996e-04	-1.2751e-03	2.8859e-03	-2.8155e+00	-5.4691e-02	5.9162e-01
	569	-1.2439e-03	-1.1884e-03	3.4874e-03	-1.8617e+00	-1.4404e-01	6.2925e-01
83	567	7.3840e-04	3.0146e-04	1.1917e-02	1.0832e+00	3.6162e-01	-3.9508e-02
	470	7.3840e-04	-2.2009e-17	1.1856e-02	-1.4982e+00	1.1134e-01	-4.6219e-01
	401	-1.3517e-03	4.6808e-18	1.0111e-02	-1.8735e+00	-8.7377e-02	-3.6315e-01
	568	-1.3517e-03	3.0146e-04	1.0171e-02	-8.7476e-01	-4.0943e-01	5.9540e-02
84	566	1.1362e-03	-1.8855e-04	1.0587e-02	-6.0403e-02	-3.8545e-02	2.2037e-01
	581	1.1362e-03	0.0000e+00	1.9135e-02	2.3979e-01	-2.8018e-02	1.8170e-01

	470	7.3840e-04	0.0000e+00	1.7180e-02	1.1310e+00	4.2361e-02	-6.7008e-02
	567	7.3840e-04	-1.8855e-04	8.6319e-03	-1.1120e+00	2.9263e-01	-2.8338e-02
85	565	-4.7878e-02	5.6410e-03	1.4048e-02	-9.2681e-01	-7.4701e-02	-1.6631e-01
	483	-4.3507e-02	1.5773e-02	2.4767e-02	-1.5598e+00	1.6008e-01	1.1764e-01
	581	-1.1370e-02	1.2506e-02	2.2637e-02	-3.3841e-01	2.9409e-01	2.7994e-01
	566	-6.9986e-03	3.5758e-03	1.5367e-02	-1.5681e-01	2.4546e-01	-1.1536e-01
86	564	-3.8509e-02	-6.3040e-03	-1.7048e-02	-9.7092e-01	-1.6454e-01	9.3472e-02
	482	-3.3450e-02	-1.1314e-02	-2.6150e-02	-1.5035e+00	-2.7410e-04	-1.6047e-01
	483	-5.4816e-02	2.9426e-03	-1.4348e-03	-1.6288e+00	4.5443e-02	-2.8582e-02
	565	-4.9758e-02	8.6263e-03	1.0278e-02	-1.0206e+00	2.3505e-01	7.9421e-02
87	562	-4.5650e-03	3.4235e-03	6.9152e-03	-1.5062e+00	-5.5862e-01	4.1027e-01
	580	-4.5650e-03	0.0000e+00	8.0813e-03	-3.0178e-01	-5.9757e-02	4.4519e-01
	484	3.0752e-03	1.1197e-32	-2.0344e-03	-9.6992e-01	5.5746e-02	4.1301e-01
	563	3.0752e-03	3.4235e-03	-3.2006e-03	-6.4333e-01	5.7769e-01	3.7809e-01
88	561	2.9437e-02	5.8752e-03	1.1818e-02	-2.5384e+00	1.9645e+00	6.6362e-01
	486	2.9437e-02	-6.4691e-17	1.6808e-02	1.1581e+00	2.7609e-01	5.4029e-01
	580	-4.5650e-03	-5.8606e-17	1.6573e-02	-4.3259e-01	-1.8519e-01	-1.5126e-01
	562	-4.5650e-03	5.8752e-03	1.1583e-02	-1.5202e+00	-1.2777e+00	-2.7934e-02
89	559	-6.5498e-04	-2.2097e-02	8.0780e-04	-1.6909e+00	-6.5931e-01	2.0147e-01
	578	-6.5498e-04	0.0000e+00	2.4687e-02	-5.0426e-01	-1.3140e-02	-3.6587e-01
	579	-2.2996e-02	4.8423e-33	9.7325e-03	-1.4642e+00	-9.9242e-02	-1.2679e-01
	560	-2.2996e-02	-2.2097e-02	-1.4147e-02	-3.4187e+00	3.4506e-01	4.4056e-01
90	555	1.1880e-04	1.3395e-03	-6.4769e-03	3.9947e+00	-1.6761e-01	9.8593e-02
	575	1.1880e-04	2.2177e-04	-4.2277e-03	8.5506e-01	1.0268e-01	2.1196e-01
	576	5.0799e-03	2.2177e-04	-1.4238e-03	6.8516e-01	6.9340e-04	3.4598e-01
	556	5.0799e-03	1.3395e-03	-3.6731e-03	4.7100e+00	1.5956e-01	2.3261e-01
91	554	6.3985e-04	5.0089e-04	-7.0526e-03	2.7741e+00	-1.2335e-01	2.1578e-02
	574	6.3985e-04	3.0951e-04	-6.6455e-03	5.3074e-01	-2.9850e-02	1.9959e-01
	575	1.1880e-04	3.0951e-04	-5.8330e-03	5.3962e-01	1.0602e-01	3.4770e-01
	555	1.1880e-04	5.0089e-04	-6.2401e-03	3.7478e+00	9.2189e-02	1.6969e-01
92	553	4.8173e-05	-2.3041e-04	-8.6089e-03	1.6633e+00	-1.1542e-01	2.5097e-02
	573	4.8173e-05	-7.3679e-05	-8.3084e-03	3.2482e-01	1.7466e-02	1.6471e-01
	574	6.3985e-04	-7.3679e-05	-7.6072e-03	1.6853e-01	-6.6160e-03	2.7848e-01
	554	6.3985e-04	-2.3041e-04	-7.9077e-03	2.5024e+00	3.3219e-02	1.3887e-01
93	552	-9.3393e-04	2.1626e-05	-8.4139e-03	9.4365e-01	-6.5293e-02	4.8625e-02
	572	-9.3393e-04	3.7771e-05	-7.8032e-03	-1.5374e-01	6.7217e-02	1.7138e-01
	573	4.8173e-05	3.7771e-05	-8.4142e-03	-6.1262e-02	-1.1609e-01	2.4370e-01
	553	4.8173e-05	2.1626e-05	-9.0249e-03	1.4931e+00	-3.8907e-02	1.2095e-01
94	551	-1.8495e-03	4.5068e-05	-7.1487e-03	6.2236e-01	-1.2073e-01	-2.5641e-02
	571	-1.8495e-03	-2.0275e-06	-6.4138e-03	-5.0205e-01	-2.7320e-01	4.6115e-02
	572	-9.3393e-04	-2.0275e-06	-6.9928e-03	-2.7758e-01	2.4346e-01	1.2132e-01
	552	-9.3393e-04	4.5068e-05	-7.7278e-03	7.2795e-01	2.5587e-02	4.9566e-02
95	550	-2.7538e-03	4.1742e-06	-3.5079e-03	2.8333e-01	8.4889e-02	-1.6026e-02
	570	-2.7538e-03	-1.2245e-05	-3.0037e-03	-7.7519e-01	8.1763e-02	4.9788e-02
	571	-1.8495e-03	-1.2245e-05	-5.1890e-03	-4.7820e-01	9.6069e-03	1.2077e-01
	551	-1.8495e-03	4.1742e-06	-5.6932e-03	3.5920e-01	-4.3640e-02	5.4960e-02
96	549	-4.0151e-03	5.9280e-05	7.0636e-04	-2.1857e-01	-2.4238e-01	7.2884e-03
	569	-4.0151e-03	-3.1939e-05	7.3750e-04	-1.3300e+00	-3.2578e-01	1.3837e-01
	570	-2.7538e-03	-3.1939e-05	-1.0829e-03	-9.9314e-01	2.3156e-01	1.1874e-01
	550	-2.7538e-03	5.9280e-05	-1.1140e-03	1.4910e-01	1.6278e-01	-1.2342e-02
97	548	-4.4043e-03	5.2283e-04	7.4245e-03	-5.7270e-01	-2.6157e-01	1.3255e-01
	568	-4.4043e-03	3.3241e-04	7.1776e-03	-1.0925e+00	-1.5686e-01	1.3628e-01
	569	-4.0151e-03	3.3241e-04	3.3587e-03	-1.2682e+00	1.1136e-02	1.7858e-01
	549	-4.0151e-03	5.2283e-04	3.6056e-03	-3.7992e-01	7.9064e-02	1.7485e-01
98	547	-1.8608e-03	2.1225e-04	1.2459e-02	4.6850e-01	3.4166e-01	1.8330e-01
	567	-1.8608e-03	3.0146e-04	1.1664e-02	-1.3637e+00	3.4313e-01	6.5892e-02
	568	-4.4043e-03	3.0146e-04	1.0063e-02	-1.0906e+00	-3.4814e-01	1.2368e-01

	548	-4.4043e-03	2.1225e-04	1.0858e-02	-4.5262e-01	-3.8854e-01	2.4108e-01
99	546	-4.5763e-03	-1.1595e-04	2.2706e-02	-2.7427e-02	-8.3839e-02	1.2488e-01
	566	-4.5763e-03	-1.8855e-04	1.2506e-02	-2.8868e-02	-1.5363e-01	1.6091e-01
	567	-1.8608e-03	-1.8855e-04	7.8094e-03	1.4139e+00	3.6534e-01	1.5454e-01
	547	-1.8608e-03	-1.1595e-04	1.8009e-02	-1.3206e+00	3.0169e-01	1.1851e-01
100	545	-1.0938e-02	-3.4311e-03	3.3137e-02	-2.1392e-01	4.1320e-01	-9.5623e-02
	565	-1.0938e-02	-4.5589e-03	2.6925e-02	-4.3627e-01	1.3627e-02	9.7992e-03
	566	-4.5763e-03	-4.5589e-03	1.7919e-02	-6.6562e-02	2.0837e-01	-1.1106e-02
	546	-4.5763e-03	-3.4311e-03	2.4132e-02	-1.4618e-01	-1.7105e-01	-1.1653e-01
101	544	-5.5767e-02	-6.9025e-03	-1.6234e-02	-1.1569e+00	-7.9522e-01	9.1663e-02
	564	-5.5767e-02	-4.8281e-05	-7.8456e-03	-9.0164e-01	-3.8361e-01	3.0120e-01
	565	-1.0938e-02	-4.8281e-05	2.3643e-02	-7.0863e-01	2.6619e-01	2.8676e-01
	545	-1.0938e-02	-6.9025e-03	1.5254e-02	-2.8103e-01	6.8911e-01	7.7230e-02
102	542	-1.1163e-02	4.6948e-03	8.8522e-03	-3.0805e+00	-1.3234e+00	-1.6827e-01
	562	-1.1163e-02	3.4235e-03	5.6001e-03	-2.0665e+00	-7.4661e-01	2.8780e-01
	563	8.4589e-03	3.4235e-03	-5.8271e-03	-1.8791e+00	7.4570e-01	3.6994e-01
	543	8.4589e-03	4.6948e-03	-2.5749e-03	-7.2500e-01	1.2635e+00	-8.6129e-02
103	541	1.2400e-02	2.5802e-03	1.9913e-02	-7.6007e-01	2.0954e+00	-4.9894e-01
	561	1.2400e-02	5.8752e-03	1.5420e-02	-4.6925e+00	2.1563e+00	-6.7557e-01
	562	-1.1163e-02	5.8752e-03	1.0268e-02	-2.7661e+00	-1.4459e+00	-1.8831e-01
	542	-1.1163e-02	2.5802e-03	1.4761e-02	-3.5064e+00	-1.8047e+00	-1.1689e-02
104	539	-1.3203e-02	-1.4904e-02	1.7939e-02	-4.5401e+00	-1.2130e+00	3.7273e-01
	559	-1.3203e-02	-2.2097e-02	4.5441e-03	-2.5583e+00	-1.0157e+00	6.8423e-01
	560	-5.8801e-02	-2.2097e-02	-1.9959e-02	-2.4122e+00	5.3154e-01	7.2707e-01
	540	-5.8801e-02	-1.4904e-02	-6.5649e-03	-3.2105e+00	6.9269e-01	4.1556e-01
105	538	-5.1038e-02	9.9131e-04	4.0706e-03	-3.6089e+00	1.4427e-01	1.7133e-01
	558	-5.1038e-02	2.9394e-03	2.6272e-03	-1.1538e+00	1.4728e-01	-2.3707e-01
	559	-1.3203e-02	2.9394e-03	1.5819e-02	-2.0666e+00	-4.3894e-01	2.5962e-02
	539	-1.3203e-02	9.9131e-04	1.7263e-02	-4.5945e+00	-6.6227e-01	4.3437e-01
106	537	-1.3930e-02	6.8441e-03	-2.5118e-02	-3.0882e+00	2.7811e+00	2.9223e-01
	557	-1.3930e-02	1.0379e-02	-2.5718e-02	2.9970e+00	1.3595e+00	-5.7808e-01
	558	-5.1038e-02	1.0379e-02	-1.1180e-02	-5.2408e-01	-1.2103e+00	-1.0768e+00
	538	-5.1038e-02	6.8441e-03	-1.0580e-02	-3.1697e+00	-2.1500e+00	-2.0646e-01
107	411	3.4319e-03	-2.6042e-18	-7.6079e-04	8.7217e+00	-1.9484e-01	-7.5555e-01
	555	3.4319e-03	1.3395e-03	-5.5276e-03	5.3935e+00	-1.8630e-01	-1.2491e-01
	556	1.6801e-02	1.3395e-03	-6.2578e-03	6.1579e+00	3.3297e-01	1.3569e-01
	61	1.6801e-02	-5.7325e-18	-1.4909e-03	1.0991e+01	1.2482e-01	-4.9495e-01
108	409	9.3942e-04	1.4742e-17	-7.1700e-03	5.9923e+00	-1.0989e-01	-5.9836e-01
	554	9.3942e-04	5.0089e-04	-6.9741e-03	3.7395e+00	-1.1265e-01	-1.7632e-01
	555	3.4319e-03	5.0089e-04	-5.2908e-03	4.4853e+00	1.5991e-01	-5.4055e-02
	411	3.4319e-03	1.1264e-17	-5.4866e-03	7.5760e+00	6.8548e-02	-4.7609e-01
109	187	-4.0112e-04	0.0000e+00	-8.4820e-03	3.7218e+00	-1.1483e-01	-5.1324e-01
	553	-4.0112e-04	-2.3041e-04	-8.8248e-03	2.3899e+00	-1.1942e-01	-1.1594e-01
	554	9.3942e-04	-2.3041e-04	-7.8292e-03	2.9538e+00	1.1251e-01	-7.0196e-02
	409	9.3942e-04	0.0000e+00	-7.4864e-03	5.1011e+00	7.0506e-02	-4.6750e-01
110	407	-1.4368e-03	1.3957e-17	-7.2070e-03	2.1282e+00	-7.2561e-02	-3.1311e-01
	552	-1.4368e-03	2.1626e-05	-8.4586e-03	1.2513e+00	-7.1937e-02	-4.0808e-02
	553	-4.0112e-04	2.1626e-05	-9.2408e-03	1.7457e+00	2.3410e-02	-5.8656e-02
	187	-4.0112e-04	1.5574e-17	-7.9892e-03	3.0577e+00	3.7687e-02	-3.3096e-01
111	406	-2.5840e-03	-1.2274e-17	-6.1644e-03	1.7328e+00	-2.9590e-02	-1.0365e-01
	551	-2.5840e-03	4.5068e-05	-7.1974e-03	7.7304e-01	-6.5858e-02	-5.4314e-02
	552	-1.4368e-03	4.5068e-05	-7.7725e-03	9.7087e-01	2.3252e-02	-6.4488e-02
	407	-1.4368e-03	-1.3464e-17	-6.7394e-03	1.7619e+00	-4.1672e-03	-1.1382e-01
112	186	-3.8402e-03	6.3481e-35	-2.8184e-03	1.8577e+00	9.1900e-03	-7.9115e-02
	550	-3.8402e-03	4.1742e-06	-3.4627e-03	6.4780e-01	9.7362e-02	-9.1337e-02
	551	-2.5840e-03	4.1742e-06	-5.7419e-03	8.0256e-01	-4.2060e-02	-4.2428e-03
	406	-2.5840e-03	4.3834e-35	-5.0976e-03	1.6337e+00	-1.5382e-02	7.9798e-03

113	400	-4.8411e-03	-1.2151e-34	5.5793e-04	1.3123e+00	-5.8107e-02	-2.0069e-01
	549	-4.8411e-03	5.9280e-05	5.1925e-04	2.1155e-01	-1.8386e-01	-6.3634e-02
	550	-3.8402e-03	5.9280e-05	-1.0688e-03	4.7465e-01	1.6737e-01	-4.7343e-02
	186	-3.8402e-03	-1.0315e-34	-1.0301e-03	1.7858e+00	2.9493e-02	-1.8440e-01
114	399	-7.6386e-03	-1.6560e-34	5.9360e-03	-2.2870e-01	-1.0909e-01	-1.0202e-01
	548	-7.6386e-03	5.2283e-04	8.0562e-03	-2.9101e-01	-2.7798e-01	1.9012e-01
	549	-4.8411e-03	5.2283e-04	3.4185e-03	-9.4042e-03	1.5099e-01	9.1489e-02
	400	-4.8411e-03	-1.1613e-34	1.2982e-03	8.3352e-01	6.7877e-02	-2.0066e-01
115	60	-1.8615e-03	4.6397e-20	1.0814e-02	1.1715e+00	7.0854e-02	3.8314e-01
	547	-1.8615e-03	2.1225e-04	1.2215e-02	-6.4379e-01	3.2589e-01	1.7807e-01
	548	-7.6386e-03	2.1225e-04	1.1490e-02	-3.9788e-01	-3.3273e-01	1.9789e-01
	399	-7.6386e-03	-2.6731e-20	1.0089e-02	-2.0636e-01	-9.2061e-02	4.0296e-01
116	91	-1.1496e-02	0.0000e+00	9.7199e-03	-4.4738e-01	2.4065e-02	7.0375e-02
	546	-1.1496e-02	-1.1595e-04	2.3454e-02	-1.3936e-01	-1.9958e-01	1.5463e-01
	547	-1.8615e-03	-1.1595e-04	1.8908e-02	1.3128e+00	2.8821e-01	1.7139e-01
	60	-1.8615e-03	0.0000e+00	5.1734e-03	-1.5499e+00	4.8420e-02	8.7128e-02
117	168	-1.6922e-02	0.0000e+00	2.6859e-02	1.5386e+00	1.7675e-01	1.2680e-01
	545	-1.6922e-02	-3.4311e-03	3.8014e-02	2.2030e-01	5.2753e-01	-3.2334e-01
	546	-1.1496e-02	-3.4311e-03	2.4880e-02	2.3384e-02	-3.0649e-01	-1.2508e-01
	91	-1.1496e-02	0.0000e+00	1.3724e-02	-1.3232e-01	-1.4682e-01	3.2505e-01
118	1	-8.9953e-02	-1.2754e-17	-1.2372e-02	-2.8857e+00	-2.9347e-01	-8.6063e-01
	544	-8.9953e-02	-6.9025e-03	-2.5725e-02	-1.5211e+00	-8.8486e-01	1.1249e-01
	545	-1.6922e-02	-6.9025e-03	2.0131e-02	-3.1064e-01	8.0162e-01	2.7984e-02
	168	-1.6922e-02	3.4866e-17	3.3485e-02	8.6770e-01	2.7650e-01	-9.4513e-01
119	421	-2.7426e-02	-4.7554e-33	-4.4238e-03	-7.2859e+00	-3.5480e-01	-1.0002e+00
	542	-2.7426e-02	4.6948e-03	1.0750e-02	-4.1250e+00	-1.3237e+00	5.3471e-02
	543	1.7529e-02	4.6948e-03	-1.1148e-03	-3.9508e+00	1.2559e+00	-2.9796e-02
	58	1.7529e-02	1.6913e-33	-1.6289e-02	-1.5853e+00	3.4676e-01	-1.0834e+00
120	536	1.0188e-03	-4.2740e-17	2.0257e-02	-1.0979e+00	6.0857e-01	1.1422e+00
	541	1.0188e-03	2.5802e-03	1.7525e-02	-2.7963e+00	2.0603e+00	-4.3768e-01
	542	-2.7426e-02	2.5802e-03	1.6659e-02	-3.8045e+00	-1.8993e+00	-3.2340e-01
	421	-2.7426e-02	-4.1039e-17	1.9391e-02	-7.4242e+00	-5.4606e-01	1.2565e+00
121	398	-2.5940e-02	-3.7660e-34	-1.1291e-02	-8.8977e+00	-4.4236e-01	-9.2635e-01
	539	-2.5940e-02	-1.4904e-02	6.6535e-03	-5.1161e+00	-1.3302e+00	4.6469e-01
	540	-4.6746e-02	-1.4904e-02	5.7374e-03	-3.4299e+00	8.1313e-01	-7.5614e-02
	412	-4.6746e-02	-1.3397e-33	-1.2207e-02	-3.9941e+00	3.8151e-01	-1.4666e+00
122	413	-4.6905e-02	-1.1524e-17	-6.0436e-03	-9.3866e+00	8.8155e-02	1.1066e+00
	538	-4.6905e-02	9.9131e-04	6.9624e-03	-4.8930e+00	4.3755e-02	7.8291e-01
	539	-2.5940e-02	9.9131e-04	5.9778e-03	-5.7044e+00	-6.8871e-01	6.4113e-02
	398	-2.5940e-02	-1.3596e-17	-7.0282e-03	-1.0080e+01	-1.1460e-01	3.8781e-01
123	53	-9.5278e-03	8.8039e-34	-2.0235e-02	-5.7040e+00	8.4520e-01	2.0492e+00
	537	-9.5278e-03	6.8441e-03	-2.5671e-02	3.0746e+00	2.9217e+00	-6.8334e-02
	538	-4.6905e-02	6.8441e-03	-7.6878e-03	-3.5931e+00	-2.6235e+00	-5.2979e-02
	413	-4.6905e-02	-2.0718e-33	-2.2517e-03	-7.8016e+00	-5.6183e-01	2.0645e+00
251	394	1.3011e-02	-1.3361e-02	-1.8665e-03	-8.9139e-01	3.5789e-01	3.9785e-01
	397	1.3011e-02	3.5184e-17	-1.1383e-01	-3.5865e-01	4.9607e-01	-3.7187e-01
	504	-1.3761e-01	3.5184e-17	-7.9763e-02	-2.6700e+00	-3.8641e-01	-4.3162e-01
	395	-1.3761e-01	-1.3361e-02	3.2197e-02	-3.6208e-01	-1.4500e-01	3.3810e-01
252	393	2.5278e-03	-1.6255e-02	1.6922e-03	-1.2269e+00	4.1444e-01	5.1427e-01
	396	2.5278e-03	-1.8961e-17	2.2825e-03	-2.0905e-01	-1.6669e-02	7.2801e-01
	397	1.3011e-02	-6.7499e-17	-3.1711e-02	-2.1556e-01	1.0107e-01	3.1937e-01
	394	1.3011e-02	-1.6255e-02	-3.2301e-02	-7.2557e-01	3.7599e-01	1.0563e-01
253	392	-7.6707e-02	-1.0362e-02	-4.8431e-02	-1.0458e+00	-3.8236e-01	3.6516e-02
	503	-7.6707e-02	0.0000e+00	4.6560e-02	-5.9790e+00	-9.5453e-01	1.9718e+00
	396	2.5278e-03	4.7743e-31	7.4552e-02	-7.3241e-01	1.1263e+00	2.0125e+00
	393	2.5278e-03	-1.0362e-02	-2.0439e-02	-1.8120e+00	4.8371e-01	7.7292e-02
254	389	-3.5826e-02	-8.9156e-03	-4.6620e-02	1.8261e-01	2.0482e-01	1.4016e-01

	394	-3.5826e-02	-1.3361e-02	1.1355e-02	-5.3316e-01	1.4517e-01	3.4815e-01
	395	-7.4906e-02	-1.3361e-02	2.5094e-02	-4.0915e-01	2.0040e-01	4.9758e-01
	391	-7.4906e-02	-8.9156e-03	-3.2882e-02	5.4014e-01	-1.1741e-01	2.8958e-01
255	379	-3.7961e-02	-1.8212e-02	-1.9643e-02	-3.8434e-01	-2.6751e-02	-2.8972e-01
	393	-3.7961e-02	-1.6255e-02	-1.9273e-02	-7.5296e-01	4.0208e-01	-3.6944e-02
	394	-3.5826e-02	-1.6255e-02	-1.9079e-02	-4.5522e-01	3.5161e-01	3.6591e-01
	389	-3.5826e-02	-1.8212e-02	-1.9450e-02	-9.6868e-02	8.4412e-02	1.1313e-01
256	377	-9.1810e-02	-1.5391e-02	1.8150e-02	-4.1590e-01	-8.3141e-02	-4.8374e-01
	392	-9.1810e-02	-1.0362e-02	-2.6853e-02	-1.3403e+00	2.3200e-01	-3.0215e-01
	393	-3.7961e-02	-1.0362e-02	-4.1404e-02	-1.0307e+00	4.9508e-02	-1.1690e-01
	379	-3.7961e-02	-1.5391e-02	3.5984e-03	-3.0505e-01	4.4583e-02	-2.9849e-01
257	390	4.8769e-03	1.6796e-03	8.7938e-02	2.0066e-01	-3.4957e-01	-8.3865e-01
	389	2.7908e-03	-9.2271e-03	-2.0992e-02	6.9585e-01	2.6458e-03	-1.8944e-02
	391	-3.8462e-02	-1.0096e-02	-6.6176e-02	5.0607e-01	1.4265e-01	1.1625e-01
	12	-4.0548e-02	8.2258e-04	4.2633e-02	2.2603e+00	2.2979e-01	-6.8742e-01
258	387	1.2518e-02	-3.8295e-04	-1.9294e-02	6.7679e-02	-5.3222e-02	-3.6078e-01
	379	1.2597e-02	-1.8784e-02	-2.3252e-02	-8.8028e-02	-8.7488e-02	-1.7298e-01
	389	3.3255e-03	-1.8205e-02	6.6852e-03	4.7882e-01	5.3916e-02	-1.9913e-01
	390	3.4043e-03	2.0898e-04	1.0823e-02	-6.5872e-02	6.2384e-02	-3.8874e-01
259	11	-1.8743e-01	2.1935e-30	-8.6674e-02	8.8483e-01	1.2135e-01	-1.4211e-01
	377	-1.8743e-01	-1.5391e-02	4.8801e-03	-2.7907e-01	6.9241e-02	-3.9652e-01
	379	1.2785e-02	-1.5391e-02	-6.0057e-04	-7.1733e-02	-5.0284e-02	-3.5709e-01
	387	1.2785e-02	2.1594e-30	-9.2155e-02	8.8506e-02	-1.7051e-01	-1.0269e-01
260	360	-2.1976e-02	1.1715e-02	2.2704e-03	-1.1611e+00	-4.3484e-02	-1.3050e-01
	374	-2.1976e-02	-3.5184e-17	-3.8757e-02	-1.5756e+00	1.7087e+00	-1.2481e+00
	502	-1.7056e-01	-3.5184e-17	-9.3413e-02	-4.1585e+00	-1.9518e+00	-1.4085e+00
	365	-1.7056e-01	1.1715e-02	-5.2385e-02	2.9072e-01	4.3415e-01	-2.9087e-01
261	359	-1.2407e-02	-2.6477e-02	-2.8477e-02	-1.0258e+00	2.5981e-01	-2.7051e-02
	372	-1.2407e-02	0.0000e+00	-3.5401e-03	-3.8812e-01	7.9158e-01	-7.0879e-01
	374	-2.1976e-02	0.0000e+00	6.5629e-03	-1.0215e+00	-6.9193e-01	-7.3356e-01
	360	-2.1976e-02	-2.6477e-02	-1.8374e-02	-1.0824e+00	-6.2233e-02	-5.1828e-02
262	342	-2.8185e-02	-6.8284e-03	2.9586e-03	-1.1097e+00	2.0611e-01	-2.9259e-02
	501	-2.8185e-02	3.5184e-17	1.9680e-02	7.5195e-01	8.9818e-01	-6.2909e-01
	372	-1.2407e-02	3.5184e-17	1.0939e-03	-9.5405e-02	-6.4279e-01	-6.3349e-01
	359	-1.2407e-02	-6.8284e-03	-1.5628e-02	-8.6943e-01	6.6651e-02	-3.3655e-02
263	351	-4.3960e-02	1.0016e-04	-1.3803e-02	-1.0064e+00	1.0881e-01	3.4160e-01
	360	-4.3960e-02	1.1715e-02	-7.9057e-03	-1.0726e+00	1.5341e-03	6.6466e-02
	365	-3.0424e-02	1.1715e-02	4.8389e-03	-1.8474e+00	6.2607e-02	2.9935e-02
	358	-3.0424e-02	1.0016e-04	-1.0583e-03	-5.1005e-01	9.9699e-02	3.0507e-01
264	345	-2.7393e-02	1.2138e-04	-1.1263e-02	-1.2012e+00	1.0703e-01	2.8075e-01
	359	-2.7393e-02	-2.6477e-02	-3.0734e-02	-7.1285e-01	-1.0930e-01	2.0589e-01
	360	-4.3960e-02	-2.6477e-02	-2.8550e-02	-8.9875e-01	4.1109e-01	2.5011e-01
	351	-4.3960e-02	1.2138e-04	-9.0794e-03	-1.0911e+00	1.9997e-02	3.2497e-01
265	336	-3.0934e-02	-6.8906e-03	-2.5733e-02	-1.0824e+00	2.9846e-01	2.9906e-01
	342	-3.0934e-02	-6.8284e-03	-1.5411e-02	-5.7815e-01	1.2264e-01	1.1472e-01
	359	-2.7393e-02	-6.8284e-03	-1.7885e-02	-6.3598e-01	3.9988e-01	1.9433e-01
	345	-2.7393e-02	-6.8906e-03	-2.8207e-02	-1.2112e+00	-9.0578e-02	3.7867e-01
266	357	-1.2892e-02	-8.5333e-32	-1.0107e-02	-6.8833e-01	-1.1847e-01	1.4424e-01
	351	-1.2892e-02	1.0016e-04	-1.4349e-02	-1.2015e+00	2.2278e-02	2.4855e-01
	358	-1.6079e-02	1.0016e-04	4.5946e-03	-1.3332e+00	-9.3426e-04	2.2769e-01
	120	-1.6079e-02	7.4606e-32	8.8365e-03	-4.5103e-01	2.2227e-01	1.2338e-01
267	346	-3.7219e-02	0.0000e+00	-2.8025e-02	-1.7255e+00	-6.2748e-01	-1.4664e-01
	345	-3.7219e-02	1.2138e-04	-1.0945e-02	-7.2012e-01	3.1350e-02	2.2870e-01
	351	-1.2892e-02	1.2138e-04	-9.6253e-03	-1.1928e+00	1.1198e-01	2.6794e-01
	357	-1.2892e-02	0.0000e+00	-2.6705e-02	-8.7296e-01	6.1573e-01	-1.0740e-01
268	14	-1.1423e-02	-1.9063e-31	1.1087e-02	-7.1760e-01	5.4282e-01	3.9443e-01
	336	-1.1423e-02	-6.8906e-03	-1.9488e-02	-1.6489e+00	-9.8148e-02	2.3916e-01

	345	-3.7219e-02	-6.8906e-03	-2.7889e-02	-7.9161e-01	2.5980e-01	2.6978e-01
	346	-3.7219e-02	-1.0728e-31	2.6867e-03	-1.7320e+00	-5.0222e-01	4.2505e-01
269	341	-9.1840e-03	-8.1278e-03	-5.2118e-03	-2.2488e-01	7.6276e-02	9.9945e-03
	344	-9.1840e-03	6.4415e-17	-2.5684e-02	-4.9180e-02	-1.6671e-01	6.3389e-02
	501	-2.8185e-02	1.6932e-17	-7.3665e-03	7.5283e-01	1.5496e-01	-4.7773e-02
	342	-2.8185e-02	-8.1278e-03	1.3105e-02	-9.3951e-01	1.8370e-01	-1.0117e-01
270	340	-1.9122e-03	-3.5581e-03	2.2577e-02	-3.2111e-01	-6.9794e-02	-1.2334e-01
	343	-1.9122e-03	-1.7592e-17	1.4354e-02	-2.9773e-02	-1.1687e-02	-1.0656e-01
	344	-9.1840e-03	-1.7592e-17	-8.4818e-03	-9.7534e-02	-1.3868e-02	-8.4360e-02
	341	-9.1840e-03	-3.5581e-03	-2.5826e-04	-2.2589e-01	-1.0036e-02	-1.0114e-01
271	337	-6.5683e-02	-1.5652e-04	-2.6136e-03	-3.0980e-01	-3.7640e-03	-1.1444e-01
	500	-6.5683e-02	7.2325e-17	2.6076e-02	-7.3081e-02	-1.6627e-02	-1.0394e-01
	343	-1.9122e-03	9.3173e-17	4.2539e-02	-4.4917e-02	3.2265e-03	-1.1349e-01
	340	-1.9122e-03	-1.5652e-04	1.3850e-02	-3.2077e-01	1.3710e-02	-1.2399e-01
272	330	-2.4949e-02	6.8373e-03	-9.4681e-03	-9.7788e-01	-1.2294e-01	7.0881e-02
	341	-2.4949e-02	-8.1278e-03	-8.0832e-04	-4.5261e-01	-2.1728e-02	-2.0526e-02
	342	-3.0934e-02	-8.1278e-03	-5.2638e-03	-4.9055e-01	1.5979e-01	1.2482e-01
	336	-3.0934e-02	6.8373e-03	-1.3924e-02	-1.0895e+00	-9.4297e-02	2.1623e-01
273	321	-2.7059e-02	7.0737e-03	1.0933e-02	-7.7436e-01	-2.4464e-01	-4.7132e-02
	340	-2.7059e-02	-3.5581e-03	2.9688e-02	-4.1108e-01	-4.6675e-02	-1.5759e-01
	341	-2.4949e-02	-3.5581e-03	4.1453e-03	-4.6131e-01	-1.2359e-01	-8.2482e-02
	330	-2.4949e-02	7.0737e-03	-1.4610e-02	-9.0488e-01	-1.0923e-01	2.7977e-02
274	320	-5.2294e-03	3.4548e-03	-1.4904e-03	-4.8618e-01	-8.0631e-02	9.7476e-03
	337	-5.2294e-03	-1.5652e-04	-1.0250e-02	-4.4880e-01	3.4832e-02	-1.0137e-01
	340	-2.7059e-02	-1.5652e-04	2.0961e-02	-4.7088e-01	-1.6108e-02	-1.6242e-01
	321	-2.7059e-02	3.4548e-03	2.9721e-02	-6.4593e-01	2.4860e-01	-5.1307e-02
275	335	-9.5281e-02	1.1765e-16	-5.6974e-02	-3.2969e+00	-6.4252e-01	-2.7204e-01
	330	-9.5281e-02	6.8373e-03	-2.9208e-02	-2.2739e-01	-2.8396e-01	2.9683e-01
	336	-1.1423e-02	6.8373e-03	-7.6790e-03	-1.7220e+00	-5.2771e-02	1.5526e-01
	14	-1.1423e-02	7.2276e-17	-3.5445e-02	-8.7139e-01	6.5185e-01	-4.1361e-01
276	326	-6.5124e-03	4.3809e-31	8.3892e-02	-5.3040e-01	8.4901e-01	1.1196e+00
	321	-6.5124e-03	7.0737e-03	1.2289e-02	-1.2781e+00	-5.6886e-02	1.7259e-01
	330	-9.5281e-02	7.0737e-03	-3.4350e-02	-1.3690e-01	-3.6116e-01	1.8552e-03
	335	-9.5281e-02	1.9454e-31	3.7253e-02	-3.2213e+00	-8.4971e-01	9.4888e-01
277	13	4.7711e-02	1.5574e-17	6.2431e-03	4.0489e-01	2.6593e-01	5.6476e-01
	320	4.7711e-02	3.4548e-03	1.0733e-02	-8.0292e-01	1.2326e-01	1.0392e-01
	321	-6.5124e-03	3.4548e-03	3.1076e-02	-1.0189e+00	9.2579e-02	2.0273e-01
	326	-6.5124e-03	5.6453e-17	2.6586e-02	-1.3324e-01	-2.9161e-01	6.6356e-01
278	294	-1.9187e-02	-9.4696e-03	-9.5287e-04	1.1473e-02	-4.0209e-03	5.4703e-02
	297	-1.9187e-02	0.0000e+00	-3.9277e-02	1.0130e-01	-5.8548e-02	9.5185e-02
	499	-5.9156e-02	0.0000e+00	-2.0541e-02	1.7643e-01	7.4874e-02	1.0596e-01
	295	-5.9156e-02	-9.4696e-03	1.7783e-02	-2.6121e-02	-2.6144e-02	6.5480e-02
279	293	-1.9099e-02	2.7411e-03	1.8852e-02	9.4750e-03	-5.6470e-03	5.5931e-02
	296	-1.9099e-02	5.2444e-17	1.6380e-02	7.6255e-02	-1.0847e-02	6.7462e-02
	297	-1.9187e-02	1.5188e-17	-1.0790e-02	8.7310e-02	1.5242e-02	7.5107e-02
	294	-1.9187e-02	2.7411e-03	-8.3176e-03	9.1123e-03	-2.2934e-02	6.3575e-02
280	292	-6.8952e-02	-6.7274e-03	-1.0464e-02	-5.7931e-02	-1.3584e-02	4.4865e-02
	498	-6.8952e-02	7.0369e-17	2.7395e-02	1.5168e-01	4.9172e-02	3.6818e-02
	296	-1.9099e-02	7.0369e-17	4.7566e-02	8.3987e-02	-3.2557e-02	4.7338e-02
	293	-1.9099e-02	-6.7274e-03	9.7076e-03	2.2980e-03	-1.5184e-02	5.5386e-02
281	289	-4.4652e-02	-8.4650e-04	-7.6751e-03	-1.1228e-01	1.9871e-02	9.1834e-03
	294	-4.4652e-02	-9.4696e-03	1.0172e-02	-4.4961e-02	5.1151e-04	5.3873e-02
	295	-3.5502e-02	-9.4696e-03	1.1760e-02	-5.3030e-02	-4.3844e-03	5.3194e-02
	291	-3.5502e-02	-8.4650e-04	-6.0874e-03	-6.2775e-02	-2.0813e-02	8.5041e-03
282	286	-3.3221e-02	-2.4454e-03	1.2377e-02	-1.6356e-01	7.2275e-03	1.9007e-02
	293	-3.3221e-02	2.7411e-03	9.9024e-03	-4.3170e-02	-5.5058e-03	5.1809e-02
	294	-4.4652e-02	2.7411e-03	2.8077e-03	-4.6272e-02	-2.6969e-03	5.6485e-02

	289	-4.4652e-02	-2.4454e-03	5.2820e-03	-1.3004e-01	-3.5601e-02	2.3683e-02
283	285	-7.5054e-03	-7.4531e-03	4.5682e-03	-2.7189e-01	-1.2885e-02	-1.5462e-03
	292	-7.5054e-03	-6.7274e-03	-9.2539e-03	9.6695e-03	2.5330e-02	3.9216e-02
	293	-3.3221e-02	-6.7274e-03	7.5760e-04	-3.8561e-02	-1.1840e-02	5.3970e-02
	286	-3.3221e-02	-7.4531e-03	1.4580e-02	-1.8587e-01	-3.7269e-02	1.3208e-02
284	290	-2.3745e-02	3.4528e-31	3.7467e-02	-2.1337e-02	-1.1023e-01	-1.1350e-01
	289	-2.3745e-02	-8.4650e-04	-2.6251e-03	-1.8092e-01	6.2238e-03	-2.2615e-02
	291	-1.0728e-01	-8.4650e-04	8.1115e-03	-2.2006e-01	-3.0897e-02	-3.6146e-02
	20	-1.0728e-01	4.4422e-31	4.8204e-02	1.0208e-01	1.4393e-01	-1.2703e-01
285	288	-1.2855e-02	-2.0143e-17	-9.8385e-03	-1.7070e-01	-1.2614e-01	-1.1801e-01
	286	-1.2855e-02	-2.4454e-03	4.8311e-04	-1.8739e-01	-2.8449e-02	-1.6618e-02
	289	-2.3745e-02	-2.4454e-03	1.0332e-02	-1.9950e-01	8.7076e-03	-2.2899e-02
	290	-2.3745e-02	-3.4738e-19	1.0432e-05	-6.4577e-02	1.3349e-01	-1.2429e-01
286	19	-3.1513e-02	-2.5465e-04	-2.5098e-02	-4.9012e-01	-2.3849e-01	-1.7207e-01
	285	-3.1215e-02	-7.5127e-03	4.1966e-03	-6.8448e-02	4.0658e-02	-3.6741e-02
	286	-1.2358e-02	-7.5242e-03	3.1222e-03	-2.0721e-01	-3.1317e-02	-2.5140e-02
	288	-1.2061e-02	-2.6622e-04	-2.6209e-02	-2.2777e-01	1.9848e-01	-1.6167e-01
287	281	-5.4676e-03	-6.5817e-03	5.8944e-03	1.8727e-01	-4.5119e-02	-2.5794e-02
	284	-5.4676e-03	-7.9472e-17	-1.4242e-02	1.1296e-01	8.2325e-02	-1.3219e-01
	497	-1.5242e-02	-6.6669e-17	-4.5996e-03	-2.7543e-02	-9.6511e-02	-1.2151e-01
	282	-1.5242e-02	-6.5817e-03	1.5537e-02	1.8977e-01	-2.0025e-03	-1.5115e-02
288	280	-4.2057e-03	-1.1023e-03	1.7281e-02	4.7706e-01	2.7959e-02	8.1201e-03
	283	-4.2057e-03	-1.3552e-17	1.2015e-02	1.8770e-01	9.9594e-02	-1.8171e-01
	284	-5.4676e-03	-4.0575e-18	-2.2614e-03	1.6452e-01	-1.2440e-01	-1.5948e-01
	281	-5.4676e-03	-1.1023e-03	3.0042e-03	2.5403e-01	-1.2134e-01	3.0355e-02
289	279	-4.9976e-02	-4.0289e-03	-2.8037e-03	-2.7492e-01	-1.2863e-01	-5.1432e-02
	496	-4.9976e-02	6.2677e-17	2.1923e-02	1.8654e+00	6.3604e-01	-5.4700e-01
	283	-4.2057e-03	8.7030e-17	3.3548e-02	4.1996e-01	-6.1676e-01	-5.1709e-01
	280	-4.2057e-03	-4.0289e-03	8.8212e-03	5.2777e-01	5.5643e-02	-2.1514e-02
290	276	-2.0628e-02	-9.6774e-03	2.7581e-03	-4.2463e-02	1.2209e-02	8.0633e-02
	281	-2.0628e-02	-6.5817e-03	1.8883e-02	1.0179e-01	-6.5356e-02	3.7141e-02
	282	-2.5295e-02	-6.5817e-03	6.2217e-03	3.1590e-02	2.3167e-02	1.7631e-02
	278	-2.5295e-02	-9.6774e-03	-9.9035e-03	-2.8675e-02	5.7717e-03	6.1123e-02
291	274	-1.0122e-02	1.4110e-02	1.1070e-02	6.1474e-02	7.7409e-02	1.4209e-01
	280	-1.0122e-02	-1.1023e-03	1.0036e-02	4.0664e-02	-1.3772e-01	1.2158e-01
	281	-2.0628e-02	-1.1023e-03	1.5993e-02	1.0864e-01	5.3025e-02	8.0942e-02
	276	-2.0628e-02	1.4110e-02	1.7027e-02	-3.3108e-02	-3.6771e-02	1.0146e-01
292	273	-7.4469e-04	-1.3632e-02	7.5615e-03	-2.9517e-01	3.0726e-02	1.1258e-01
	279	-7.4469e-04	-4.0289e-03	-4.0366e-03	4.9045e-01	-8.4612e-02	5.6406e-02
	280	-1.0122e-02	-4.0289e-03	1.5757e-03	1.0673e-01	5.7694e-02	4.5106e-02
	274	-1.0122e-02	-1.3632e-02	1.3174e-02	1.5690e-02	-2.2794e-02	1.0128e-01
293	277	-1.0043e-02	1.2761e-16	6.1117e-02	-1.4617e-01	5.9894e-02	8.8899e-02
	276	-1.0043e-02	-9.6774e-03	1.7012e-02	-1.6329e-01	6.4384e-04	5.3953e-02
	278	-6.3938e-02	-9.6774e-03	-3.2958e-02	-4.8260e-02	3.3658e-02	6.4169e-02
	18	-6.3938e-02	2.5964e-17	1.1147e-02	-3.0653e-01	-5.7098e-02	9.9114e-02
294	275	-5.0994e-03	4.7441e-17	-2.3647e-02	-1.3088e-01	-3.8051e-02	1.3436e-03
	274	-5.0994e-03	1.4110e-02	-1.3103e-02	-3.0467e-01	-1.5503e-02	8.3568e-02
	276	-1.0043e-02	1.4110e-02	3.1281e-02	-1.9246e-01	7.4190e-02	9.7586e-02
	277	-1.0043e-02	-4.4145e-17	2.0737e-02	-1.3645e-01	5.3503e-02	1.5362e-02
295	17	3.4777e-02	4.9304e-17	2.4798e-02	-1.1651e+00	-3.8250e-01	-2.3328e-01
	273	3.4777e-02	-1.3632e-02	4.8249e-02	2.1327e-01	6.6434e-02	4.7083e-02
	274	-5.0994e-03	-1.3632e-02	-1.0999e-02	-3.1936e-01	-1.9061e-02	6.6549e-02
	275	-5.0994e-03	-6.9769e-17	-3.4450e-02	-2.6886e-01	3.6983e-01	-2.1381e-01
296	268	-1.1096e-02	-9.8352e-03	9.5721e-03	-1.2602e-02	4.7408e-03	-4.1714e-02
	272	-1.1096e-02	0.0000e+00	-2.5899e-02	3.4793e-02	-7.7542e-02	1.3256e-02
	495	-4.6591e-02	0.0000e+00	-1.7965e-02	2.3733e-01	8.5305e-02	1.4720e-02
	269	-4.6591e-02	-9.8352e-03	1.7506e-02	-1.4385e-01	-1.4913e-03	-4.0251e-02

297	267	-7.7519e-03	-5.1616e-03	2.4893e-02	-5.4200e-02	-1.1298e-02	-4.6878e-02
	271	-7.7519e-03	0.0000e+00	1.7986e-02	1.3440e-02	-8.4143e-03	-2.4458e-02
	272	-1.1096e-02	-4.0023e-31	-1.7121e-03	2.3887e-03	1.3211e-02	-2.8462e-02
	268	-1.1096e-02	-5.1616e-03	5.1950e-03	-1.4071e-02	2.8444e-02	-5.0882e-02
298	266	-8.5593e-02	-5.7555e-03	2.7428e-03	-3.5730e-02	-6.0349e-03	-2.3538e-02
	494	-8.5593e-02	-7.0369e-17	4.0192e-02	-2.0406e-02	-8.3700e-03	-2.0947e-02
	271	-7.7519e-03	-7.0369e-17	5.1198e-02	7.6258e-03	1.1332e-02	-2.2566e-02
	267	-7.7519e-03	-5.7555e-03	1.3748e-02	-6.0401e-02	1.3990e-02	-2.5157e-02
299	231	-3.9894e-02	-1.2091e-02	4.4350e-03	-1.7522e-01	-3.6224e-02	2.0069e-02
	268	-3.9894e-02	-9.8352e-03	2.7225e-02	-1.3676e-01	1.3370e-02	-5.6388e-02
	269	-4.6992e-02	-9.8352e-03	9.1214e-03	5.4004e-03	1.0728e-02	-6.1040e-02
	237	-4.6992e-02	-1.2091e-02	-1.3669e-02	-4.1654e-01	7.4668e-02	1.5417e-02
300	229	-1.9823e-02	1.3436e-02	1.7657e-02	-1.6642e-01	-2.1106e-02	-2.1704e-02
	267	-1.9823e-02	-5.1616e-03	1.5565e-02	-8.7882e-02	4.3998e-02	-4.5257e-02
	268	-3.9894e-02	-5.1616e-03	2.2848e-02	-1.5346e-01	-6.4152e-03	-6.4229e-02
	231	-3.9894e-02	1.3436e-02	2.4940e-02	-1.3139e-01	1.1720e-01	-4.0677e-02
301	228	5.1006e-06	-1.9024e-02	9.3279e-03	-8.1644e-02	-1.3951e-02	1.7237e-02
	266	5.1006e-06	-5.7555e-03	-5.0651e-03	-1.0865e-01	4.2603e-03	-2.0731e-02
	267	-1.9823e-02	-5.7555e-03	4.4209e-03	-8.4071e-02	1.5000e-02	-3.0464e-02
	229	-1.9823e-02	-1.9024e-02	1.8814e-02	-1.5546e-01	6.3229e-02	7.5040e-03
302	232	-1.6998e-02	0.0000e+00	8.6968e-02	-3.1947e-01	4.5979e-01	4.3895e-01
	231	-1.6998e-02	-1.2091e-02	2.0743e-02	-4.4586e-01	-3.9296e-02	6.7232e-02
	237	-1.2493e-01	-1.2091e-02	-3.2747e-02	1.3929e-01	1.0170e-01	9.0991e-02
	16	-1.2493e-01	0.0000e+00	3.3477e-02	-1.3867e+00	-4.7066e-01	4.6271e-01
303	230	-8.5348e-03	7.0469e-31	-3.2503e-02	-1.2574e-01	9.8636e-02	1.6852e-01
	229	-8.5348e-03	1.3436e-02	-1.5255e-02	-2.3718e-01	9.8161e-02	2.2557e-02
	231	-1.6998e-02	1.3436e-02	4.1249e-02	-4.0453e-01	-1.0016e-02	4.3487e-02
	232	-1.6998e-02	-4.5620e-31	2.4001e-02	-1.4770e-01	-7.5042e-02	1.8945e-01
304	15	3.6825e-02	0.0000e+00	2.4433e-02	5.8508e-02	9.0456e-02	1.4453e-01
	228	3.6825e-02	-1.9024e-02	5.8870e-02	-2.0207e-01	-1.5031e-03	4.9346e-02
	229	-8.5348e-03	-1.9024e-02	-1.4099e-02	-1.8632e-01	4.4514e-02	5.8555e-02
	230	-8.5348e-03	0.0000e+00	-4.8536e-02	-8.0696e-02	-7.5846e-02	1.5374e-01
305	224	6.5284e-03	-2.0010e-03	5.7642e-03	5.1403e-02	-5.3383e-02	-1.9986e-01
	227	6.5284e-03	7.9925e-17	-2.6184e-02	9.9712e-02	-1.7662e-01	8.0493e-02
	493	-3.7054e-02	4.2822e-17	-2.4942e-02	9.2666e-01	1.3538e-01	4.8609e-02
	225	-3.7054e-02	-2.0010e-03	7.0062e-03	-1.2648e-01	6.7225e-02	-2.3174e-01
306	223	-1.9337e-04	-2.7040e-03	-2.1205e-03	3.9444e-01	-1.0406e-01	-1.0776e-01
	226	-1.9337e-04	2.5121e-17	-5.3027e-03	3.8740e-02	3.3174e-02	-2.6183e-01
	227	6.5284e-03	-1.0987e-17	-9.4537e-03	4.6922e-02	-4.8471e-02	-1.8007e-01
	224	6.5284e-03	-2.7040e-03	-6.2715e-03	2.9558e-02	-5.2493e-02	-2.5999e-02
307	222	2.0984e-03	3.8701e-05	-1.2721e-02	2.9846e-01	2.4455e-01	2.5901e-01
	492	2.0984e-03	7.9880e-18	4.5482e-04	3.5044e+00	5.6519e-01	-9.0559e-01
	226	-1.9337e-04	-3.5786e-17	5.8902e-03	3.9313e-01	-6.6959e-01	-9.9853e-01
	223	-1.9337e-04	3.8701e-05	-7.2851e-03	7.1352e-01	-1.8837e-01	1.6607e-01
308	219	-1.1978e-02	2.8430e-03	-3.5914e-02	-7.1469e-01	5.8221e-02	-7.0517e-02
	224	-1.1978e-02	-2.0010e-03	3.9914e-03	-1.3343e-01	3.4954e-02	-1.6619e-01
	225	-1.4554e-02	-2.0010e-03	1.6533e-02	-2.0398e-01	-6.6394e-02	-3.1154e-01
	221	-1.4554e-02	2.8430e-03	-2.3373e-02	-8.6563e-01	1.6147e-01	-2.1587e-01
309	217	-5.2330e-03	1.0551e-02	-1.0462e-02	-4.1930e-01	3.2151e-01	3.5416e-01
	223	-5.2330e-03	-2.7040e-03	-6.7514e-03	-2.4780e-02	-7.7612e-02	2.2336e-01
	224	-1.1978e-02	-2.7040e-03	-8.0443e-03	-2.2211e-01	1.8905e-02	-1.5515e-01
	219	-1.1978e-02	1.0551e-02	-1.1755e-02	-5.2480e-01	2.7374e-01	-2.4343e-02
310	216	-1.3671e-02	-3.1707e-03	2.8453e-03	-5.7221e-01	1.8434e-01	5.4344e-01
	222	-1.3671e-02	3.8701e-05	-4.7513e-03	3.6400e-01	-1.4276e-01	4.7739e-01
	223	-5.2330e-03	3.8701e-05	-1.1916e-02	1.8889e-01	8.3776e-02	2.9518e-01
	217	-5.2330e-03	-3.1707e-03	-4.3194e-03	-5.5001e-01	7.1496e-02	3.6123e-01
311	220	3.3881e-04	-1.5743e-16	7.6685e-02	-4.9258e-01	7.4138e-01	1.2849e+00

	219	3.3881e-04	2.8430e-03	-6.7162e-03	-1.2236e+00	3.4524e-01	2.5177e-02
	221	7.6222e-02	2.8430e-03	-8.6970e-02	-6.8571e-01	-2.4803e-01	1.2893e-02
	10	7.6222e-02	3.7734e-18	-3.5685e-03	-3.9470e+00	-6.2294e-01	1.2727e+00
312	218	2.2378e-03	-2.1350e-17	-9.6818e-03	-1.7598e-01	4.7853e-02	7.2127e-02
	217	2.2378e-03	1.0551e-02	-1.4686e-02	-7.5149e-01	3.2734e-01	2.5461e-02
	219	3.3881e-04	1.0551e-02	1.7443e-02	-8.6089e-01	3.1353e-01	3.5731e-01
	220	3.3881e-04	4.5313e-17	2.2447e-02	-1.7463e-01	1.9667e-02	4.0398e-01
313	9	-3.3913e-02	1.6354e-17	-7.3392e-03	-3.4708e+00	-5.3169e-01	-7.4058e-01
	216	-3.3913e-02	-3.1707e-03	2.2174e-03	-4.7719e-01	-2.1329e-01	3.3113e-01
	217	2.2378e-03	-3.1707e-03	-8.5430e-03	-1.0308e+00	3.3978e-01	3.3571e-01
	218	2.2378e-03	3.8750e-17	-1.8100e-02	-4.3594e-01	6.5027e-01	-7.3601e-01
314	210	-2.1579e-02	-1.9409e-02	-2.1316e-02	5.0533e-03	1.3472e-01	1.3594e-01
	215	-2.1579e-02	-2.0861e-16	-9.2406e-02	6.4294e-01	-1.1646e+00	1.1016e+00
	479	-9.7188e-02	-7.9010e-17	-3.2661e-02	3.6169e+00	1.1897e+00	1.1316e+00
	211	-9.7188e-02	-1.9409e-02	3.8429e-02	-1.6609e+00	-1.9829e-01	1.6597e-01
315	209	-2.4490e-02	2.8682e-03	3.5982e-02	-4.5685e-01	-2.2185e-01	7.4432e-02
	212	-2.4490e-02	-6.1697e-17	2.9237e-02	2.3496e-01	-1.4997e-01	3.3294e-01
	215	-2.1579e-02	8.4931e-17	-3.5080e-02	2.0628e-01	1.1686e-01	3.9197e-01
	210	-2.1579e-02	2.8682e-03	-2.8334e-02	-7.8013e-02	1.4431e-02	1.3346e-01
316	208	-1.4427e-01	-1.7481e-02	-2.5465e-02	-1.0310e+00	-8.9067e-02	1.5856e-01
	478	-1.4427e-01	1.3888e-16	4.6494e-02	9.5112e-01	2.1929e-01	2.0998e-02
	212	-2.4490e-02	2.4381e-16	9.8000e-02	2.9410e-01	-2.3337e-01	7.3321e-02
	209	-2.4490e-02	-1.7481e-02	2.6042e-02	-5.6031e-01	-7.9524e-02	2.1089e-01
317	205	-5.8650e-02	-1.8300e-03	-6.8282e-03	-2.3323e+00	2.1164e-01	8.3263e-02
	210	-5.8650e-02	-1.9409e-02	5.3479e-03	-1.5366e+00	1.7834e-01	3.5345e-02
	211	-3.7594e-02	-1.9409e-02	9.6859e-03	-4.9167e-01	-9.2966e-02	-1.0226e-01
	207	-3.7594e-02	-1.8300e-03	-2.4902e-03	-3.4421e+00	2.8009e-01	-5.4342e-02
318	203	-6.2212e-02	-3.6738e-02	1.2496e-02	-2.8492e+00	6.5549e-02	-6.7063e-02
	209	-6.2212e-02	2.8682e-03	1.5403e-02	-1.2690e+00	5.9548e-02	9.4113e-02
	210	-5.8650e-02	2.8682e-03	-1.6703e-03	-1.6538e+00	-1.7597e-01	-6.1584e-02
	205	-5.8650e-02	-3.6738e-02	-4.5776e-03	-2.2461e+00	2.7780e-01	-2.2276e-01
319	202	-5.5759e-02	-4.8419e-03	-6.0721e-03	-2.8734e+00	3.3093e-02	1.2572e-01
	208	-5.5759e-02	-1.7481e-02	-5.6988e-03	-1.3108e+00	-8.5204e-02	1.3762e-01
	209	-6.2212e-02	-1.7481e-02	5.4630e-03	-1.1945e+00	-7.9098e-02	1.4853e-01
	203	-6.2212e-02	-4.8419e-03	5.0897e-03	-2.9736e+00	-2.2960e-01	1.3663e-01
320	206	-1.3130e-02	5.3857e-17	2.5675e-02	-2.4408e+00	2.0350e+00	1.3403e+00
	205	-1.3130e-02	-1.8300e-03	-9.7389e-03	-5.0335e+00	-6.5666e-02	-4.5329e-02
	207	-1.7215e-01	-1.8300e-03	6.1268e-02	-1.3286e+00	6.0495e-01	1.1147e-01
	6	-1.7215e-01	1.9644e-16	9.6682e-02	-8.0227e+00	-1.9587e+00	1.4971e+00
321	204	-3.3605e-02	-9.5449e-18	3.3214e-03	-5.8158e+00	-1.2722e+00	-1.0578e+00
	203	-3.3605e-02	-3.6738e-02	3.8182e-03	-2.6596e+00	3.0907e-01	-1.6629e-01
	205	-1.3130e-02	-3.6738e-02	-7.4883e-03	-5.0948e+00	8.5260e-02	-5.7520e-02
	206	-1.3130e-02	1.5720e-17	-7.9851e-03	-2.1730e+00	1.3453e+00	-9.4900e-01
322	5	-1.4523e-01	-9.4957e-17	-4.8696e-02	-5.5184e+00	7.8799e-02	-8.2483e-02
	202	-1.4523e-01	-4.8419e-03	-5.5362e-02	-3.5153e+00	-1.7793e-01	1.0627e-02
	203	-3.3605e-02	-4.8419e-03	-3.5882e-03	-2.7023e+00	5.7202e-02	-1.0810e-02
	204	-3.3605e-02	9.0414e-18	3.0778e-03	-6.2054e+00	-1.3622e-01	-1.0392e-01
323	198	-2.5581e-02	-1.9624e-02	-2.0850e-02	-4.0057e-01	-1.8751e-01	1.6930e-01
	201	-2.5581e-02	-8.4563e-17	-9.8211e-02	-7.4549e-01	1.2898e+00	-9.2367e-01
	475	-1.3723e-01	-6.0520e-17	-4.7409e-02	-4.0131e+00	-1.3296e+00	-9.3058e-01
	199	-1.3723e-01	-1.9624e-02	2.9951e-02	1.3866e+00	1.6819e-01	1.6239e-01
324	197	-2.3623e-02	1.1495e-03	3.4189e-02	1.6787e-01	1.0682e-01	1.4048e-01
	200	-2.3623e-02	-3.5184e-17	3.5117e-02	-2.4771e-01	1.7145e-01	-1.9877e-01
	201	-2.5581e-02	-3.5184e-17	-2.9357e-02	-2.3440e-01	-1.8856e-01	-1.7782e-01
	198	-2.5581e-02	1.1495e-03	-3.0285e-02	-3.0497e-01	-1.8581e-01	1.6143e-01
325	196	-1.2691e-01	-1.9049e-02	-2.8271e-02	5.3532e-01	4.2321e-04	-4.8481e-02
	474	-1.2691e-01	3.5184e-17	4.6250e-02	-4.4443e-01	-4.7631e-02	-6.6228e-02

	200	-2.3623e-02	3.5184e-17	9.9969e-02	-2.3627e-01	3.2171e-02	-6.0867e-02
	197	-2.3623e-02	-1.9049e-02	2.5448e-02	3.0313e-01	-3.1714e-02	-4.3120e-02
326	191	-7.0172e-02	2.2056e-03	-6.3019e-03	1.6965e+00	2.9130e-02	1.6254e-01
	198	-7.0172e-02	-1.9624e-02	3.1306e-03	1.0307e+00	-2.8656e-01	3.5005e-01
	199	-5.8272e-02	-1.9624e-02	9.6425e-03	-1.5515e-01	1.1685e-01	4.6616e-01
	193	-5.8272e-02	2.2056e-03	2.0997e-04	3.1364e+00	-5.4170e-01	2.7864e-01
327	189	-6.2710e-02	-5.0684e-02	1.2147e-02	1.6209e+00	-3.8525e-01	1.5678e-01
	197	-6.2710e-02	1.1495e-03	1.0432e-02	1.0480e+00	-3.3133e-01	1.5631e-01
	198	-7.0172e-02	1.1495e-03	-6.3038e-03	1.2461e+00	3.4120e-02	4.3978e-01
	191	-7.0172e-02	-5.0684e-02	-4.5885e-03	1.4222e+00	-7.4906e-01	4.4026e-01
328	188	-3.9887e-02	-7.7011e-04	-6.3778e-04	2.2701e+00	-3.3033e-01	8.8820e-02
	196	-3.9887e-02	-1.9049e-02	-9.3925e-03	7.1565e-01	-9.6507e-02	-1.0098e-01
	197	-6.2710e-02	-1.9049e-02	1.6906e-03	9.7066e-01	-5.6250e-02	2.6546e-02
	189	-6.2710e-02	-7.7011e-04	1.0445e-02	1.7580e+00	-1.9902e-01	2.1635e-01
329	192	-1.6058e-02	2.0960e-17	1.7413e-02	2.4376e+00	-2.8650e+00	-2.2297e+00
	191	-1.6058e-02	2.2056e-03	-1.8532e-02	3.9276e+00	3.9158e-02	4.3730e-02
	193	-2.1696e-01	2.2056e-03	8.2573e-02	-2.3682e-01	-6.0774e-01	-1.3031e-01
	8	-2.1696e-01	1.3188e-16	1.1852e-01	9.6815e+00	2.8104e+00	-2.4037e+00
330	190	-1.4466e-02	-5.3583e-31	1.3035e-02	1.4322e+00	-2.9631e-01	-3.7780e-02
	189	-1.4466e-02	-5.0684e-02	1.8128e-02	3.3576e+00	-6.9564e-01	2.9904e-01
	191	-1.6058e-02	-5.0684e-02	-1.6818e-02	3.8275e+00	-4.0445e-01	6.2004e-03
	192	-1.6058e-02	5.2788e-35	-2.1911e-02	1.4186e+00	6.0978e-02	-3.3062e-01
331	7	-1.7573e-01	-2.6521e-30	-1.0510e-01	6.1372e+00	1.5374e+00	1.4193e+00
	188	-1.7573e-01	-7.7011e-04	-6.9150e-02	6.1014e-01	-4.4192e-01	2.4820e-01
	189	-1.4466e-02	-7.7011e-04	1.6426e-02	3.2288e+00	-1.1470e-01	8.6367e-02
	190	-1.4466e-02	-4.9265e-31	-1.9523e-02	1.9323e+00	-1.6161e+00	1.2575e+00
766	166	-8.0835e-02	-1.1181e-16	5.0130e-02	3.6224e+01	8.5830e-01	4.7248e-01
	169	-8.0835e-02	-2.0893e-16	6.2452e-02	-8.7664e+01	-1.7579e+01	1.2151e+01
	170	-4.5905e-02	-6.9768e-17	-7.1837e-03	-3.4289e+01	1.7681e+01	1.2222e+01
	167	-4.5905e-02	-4.4736e-18	-1.9506e-02	-8.3756e-01	-9.5983e-01	5.4339e-01
767	164	-2.7041e-02	-1.6093e-17	5.5045e-03	1.4629e+00	7.7731e-01	4.7021e-01
	166	-2.7041e-02	-5.9339e-17	1.1931e-02	9.2747e+00	-2.4162e+00	1.6149e+00
	167	-1.0072e-01	-3.6991e-17	-1.5434e-02	1.7814e+01	2.3961e+00	1.6008e+00
	165	-1.0072e-01	-1.7371e-18	-2.1861e-02	-5.4778e+00	-7.5724e-01	4.5619e-01
768	3	-5.6095e-02	-1.0410e-17	8.7896e-03	3.7602e+00	4.8515e-01	3.0644e-01
	164	-5.6095e-02	1.2143e-17	2.2545e-04	-8.0098e+00	-9.0530e-01	5.9989e-01
	165	-7.5214e-02	2.1286e-17	-4.0815e-03	-4.3871e+00	9.1608e-01	6.0742e-01
	2	-7.5214e-02	-3.6308e-17	4.4826e-03	5.4740e-01	-4.9593e-01	3.1397e-01
769	128	-1.1966e-01	-1.0038e-17	3.9931e-02	-3.6156e+01	-7.2442e-01	-6.3295e-01
	162	-1.1966e-01	1.4074e-16	4.4146e-02	8.7128e+01	1.7237e+01	-1.2166e+01
	163	-5.6388e-03	1.3044e-16	-1.6854e-02	3.5016e+01	-1.7339e+01	-1.2237e+01
	129	-5.6388e-03	2.5094e-18	-2.1068e-02	-1.5292e-01	8.2667e-01	-7.0436e-01
770	124	-7.7120e-02	-4.3926e-17	8.9383e-03	-1.3410e+00	-7.8859e-01	-6.2348e-01
	128	-7.7120e-02	7.0369e-17	1.2992e-02	-9.6424e+00	2.3354e+00	-1.7039e+00
	129	-4.7067e-02	6.3919e-17	-8.3861e-03	-1.7967e+01	-2.3150e+00	-1.6895e+00
	125	-4.7067e-02	-3.2999e-17	-1.2440e-02	5.4742e+00	7.6811e-01	-6.0917e-01
771	4	-8.3176e-02	-2.2135e-17	4.2543e-03	-4.0018e+00	-5.4323e-01	-4.1182e-01
	124	-8.3176e-02	0.0000e+00	8.6014e-04	7.7978e+00	9.6681e-01	-7.0767e-01
	125	-4.3242e-02	-2.3747e-18	-2.0077e-03	3.8826e+00	-9.7725e-01	-7.1496e-01
	54	-4.3242e-02	-1.6456e-17	1.3865e-03	-4.9984e-01	5.5367e-01	-4.1911e-01
772	119	-1.5267e-01	2.2641e-17	5.9740e-02	2.1243e+01	-3.3752e+00	-4.1561e+00
	122	-1.5267e-01	5.8351e-17	6.6110e-02	-5.5350e+01	-5.7095e+00	6.6888e+00
	123	2.3275e-02	1.7773e-17	-2.7816e-02	-6.7519e+00	8.3789e+00	9.8753e+00
	121	2.3275e-02	-3.4675e-17	-3.4185e-02	-1.4632e+00	7.0584e-01	-9.6959e-01
773	117	-7.4695e-02	-2.7950e-17	7.0644e-03	2.1669e-01	4.6998e-01	4.8834e-01
	119	-7.4695e-02	2.4676e-17	1.4119e-02	7.2029e+00	9.1965e-01	-1.1705e+00
	121	-2.7767e-02	-1.1261e-17	-1.1108e-02	8.1890e-01	-1.0880e+00	-1.3715e+00

	118	-2.7767e-02	-5.2356e-17	-1.8163e-02	2.6401e+00	-3.0160e-01	2.8734e-01
774	72	-6.9086e-02	-6.6504e-18	8.7371e-03	2.1158e+00	-2.8901e-01	-3.7741e-01
	117	-6.9086e-02	-8.6765e-18	4.5561e-03	-4.6003e+00	-3.1342e-02	5.0058e-03
	118	-4.2114e-02	-3.1738e-17	-9.1802e-03	-3.2670e+00	4.1206e-01	4.5949e-01
	73	-4.2114e-02	2.6985e-19	-4.9992e-03	1.6955e+00	-9.1712e-02	7.7073e-02
775	113	1.0847e-02	-2.2377e-17	6.2989e-03	-2.5865e+00	-4.9868e-01	-3.7112e-01
	115	1.0847e-02	-1.3190e-02	9.7422e-03	2.9042e+00	3.9186e-01	-5.2883e-01
	116	-8.0536e-03	-1.3190e-02	5.7364e-03	3.0061e-01	-3.5930e-01	-5.0151e-01
	114	-8.0536e-03	-2.7710e-18	2.2931e-03	-1.9385e-01	4.4952e-01	-3.4379e-01
776	111	9.4441e-03	-1.3464e-17	2.3679e-03	-1.9715e+00	-4.3449e-01	-3.1211e-01
	113	9.4441e-03	3.6907e-17	4.4000e-03	2.0813e+00	5.4451e-01	-3.8568e-01
	114	-1.9741e-02	5.3135e-17	-3.8052e-03	-9.0054e-02	-5.1452e-01	-3.6562e-01
	112	-1.9741e-02	3.3517e-17	-5.8373e-03	1.0143e-01	4.0450e-01	-2.9205e-01
777	70	-5.4806e-03	-9.3999e-18	1.9810e-03	-1.6493e+00	-3.8629e-01	-2.6793e-01
	111	-5.4806e-03	-2.0133e-17	1.1324e-03	1.6722e+00	4.5428e-01	-3.1340e-01
	112	-1.8836e-02	1.3465e-17	-3.5342e-03	-1.8596e-01	-4.3107e-01	-2.9788e-01
	71	-1.8836e-02	-1.1640e-18	-2.6856e-03	1.4802e-01	3.6308e-01	-2.5241e-01
778	107	-6.3623e-03	8.5330e-17	5.0897e-03	-8.8991e-02	1.0460e-01	1.0483e-02
	109	-6.3623e-03	6.3508e-03	6.7046e-03	1.7617e-01	5.9375e-02	6.7503e-02
	110	-1.3227e-02	6.3508e-03	-5.9881e-03	6.5689e-01	-2.1718e-01	6.7150e-02
	108	-1.3227e-02	6.6628e-17	-7.6030e-03	-5.1519e-01	-2.6093e-01	1.0130e-02
779	105	-1.5711e-02	1.1422e-17	-1.6707e-04	-3.7083e-02	1.3540e-01	4.3198e-02
	107	-1.5711e-02	7.0369e-17	4.9801e-04	2.9337e-01	-1.0593e-01	2.9110e-02
	108	-2.2599e-02	8.2669e-17	-6.2103e-03	6.6414e-01	1.9488e-01	7.1637e-02
	106	-2.2599e-02	-3.8040e-17	-6.8754e-03	-4.2133e-01	-2.2434e-01	8.5725e-02
780	68	-1.9037e-02	4.4282e-17	-1.2331e-03	3.0822e-02	9.1392e-02	3.4094e-02
	105	-1.9037e-02	-3.5184e-17	-1.9908e-03	7.1496e-02	-1.4601e-01	6.0210e-02
	106	-2.4470e-02	-2.7124e-17	-4.9846e-03	4.0767e-01	1.9179e-01	8.2097e-02
	69	-2.4470e-02	3.2910e-17	-4.2269e-03	-2.8037e-01	-1.3717e-01	5.5981e-02
781	101	-1.4222e-02	-1.1157e-32	2.3190e-02	-1.2902e-01	-1.4326e-01	-2.2911e-01
	103	-1.4222e-02	-1.6593e-02	2.5259e-02	5.6196e-01	-3.2766e-01	1.4771e-01
	104	2.1327e-02	-1.6593e-02	-4.7512e-02	1.3972e+00	5.8756e-01	2.2584e-01
	102	2.1327e-02	2.3909e-33	-4.9582e-02	-4.6023e-01	1.6950e-01	-1.5098e-01
782	99	-2.4997e-02	3.5184e-17	2.3572e-02	-1.7734e-01	-6.8706e-02	-6.7487e-02
	101	-2.4997e-02	0.0000e+00	2.1891e-02	1.2012e-01	1.6715e-01	-1.3332e-01
	102	-7.9262e-03	-1.0412e-31	-4.3124e-02	-4.5961e-01	-1.7086e-01	-1.3580e-01
	100	-7.9262e-03	3.5184e-17	-4.1443e-02	3.1433e-01	7.2407e-02	-6.9962e-02
783	66	-2.7604e-02	-1.1731e-32	1.6710e-02	-1.9483e-01	-3.1681e-03	-1.1721e-02
	99	-2.7604e-02	3.5184e-17	1.5936e-02	2.6843e-01	9.6788e-02	-7.4330e-02
	100	-1.8615e-02	3.5184e-17	-2.6922e-02	1.1677e-02	-9.2930e-02	-7.1749e-02
	67	-1.8615e-02	2.5138e-33	-2.6149e-02	-2.1808e-02	-6.9026e-04	-9.1409e-03
784	95	2.5328e-03	-1.2730e-32	4.8814e-03	4.7841e-01	1.3580e-01	-1.2407e-02
	97	2.5328e-03	-7.0369e-17	5.6692e-03	2.7030e-01	-1.9526e-01	3.7764e-02
	98	-1.5709e-02	-7.0369e-17	-1.2704e-02	1.3283e+00	1.4953e-01	-8.2261e-04
	96	-1.5709e-02	6.3651e-33	-1.3492e-02	-4.9488e-01	-9.0064e-02	-5.0994e-02
785	93	-7.1083e-03	-3.5184e-17	6.6503e-03	2.4671e-01	3.6955e-02	-4.1515e-02
	95	-7.1083e-03	0.0000e+00	3.9700e-03	3.9497e-01	-1.1016e-01	2.0256e-02
	96	-1.8071e-02	-2.0501e-32	-6.1737e-03	8.5804e-01	7.8495e-02	-6.4656e-03
	94	-1.8071e-02	-3.5184e-17	-3.4934e-03	-1.1212e-01	-5.2854e-03	-6.8236e-02
786	63	-8.1620e-03	-7.4019e-33	2.7258e-04	3.3132e-01	8.7384e-02	4.1322e-02
	93	-8.1620e-03	-3.5184e-17	2.9868e-03	4.4100e-02	4.4751e-03	-3.6184e-02
	94	-1.8944e-02	-3.5184e-17	-2.2673e-03	2.7250e-01	-4.8477e-03	-3.6499e-02
	62	-1.8944e-02	3.7010e-33	-4.9815e-03	-2.7875e-02	-8.7012e-02	4.1008e-02
787	88	-3.2960e-02	-8.8557e-17	5.7964e-03	-1.1947e+01	1.3003e-01	2.8238e-02
	90	-3.2960e-02	-8.8893e-17	2.2781e-03	1.7606e+01	1.5757e+00	-2.0080e+00
	92	1.1224e-02	-4.8589e-17	-9.5226e-03	-1.2324e+00	-2.4328e+00	-3.0312e+00
	89	1.1224e-02	-1.0481e-16	-6.0043e-03	2.0298e+00	7.2707e-01	-9.9493e-01

788	86	-2.8522e-02	-1.1091e-17	4.6690e-03	-5.4914e+00	-2.2287e-01	-3.3875e-01
	88	-2.8522e-02	-5.0421e-17	3.2372e-03	5.8450e+00	4.3827e-01	-5.9589e-01
	89	1.3671e-02	-4.2166e-17	1.5392e-03	-1.2744e+00	-7.3324e-01	-9.4800e-01
	87	1.3671e-02	-3.4734e-17	2.9710e-03	1.0141e+00	5.1783e-01	-6.9086e-01
789	65	-1.9216e-02	-2.6889e-17	3.7783e-03	-3.9113e+00	-8.2090e-02	-1.3040e-01
	86	-1.9216e-02	-9.2912e-18	4.7534e-03	4.7544e+00	3.2073e-01	-4.1528e-01
	87	-1.5589e-03	1.0956e-17	3.5534e-03	-2.9419e-01	-5.7874e-01	-7.2328e-01
	64	-1.5589e-03	-1.7215e-17	2.5783e-03	4.5717e-01	3.4010e-01	-4.3840e-01
790	82	-6.1784e-02	0.0000e+00	4.3242e-02	4.9035e+00	-3.6865e-01	-3.8446e-01
	84	-6.1784e-02	-1.4074e-16	8.1228e-02	-1.4023e+01	-3.0661e+00	2.0145e+00
	85	-2.3849e-01	-1.4074e-16	-1.1441e-01	-5.7299e+00	3.0820e+00	2.0256e+00
	83	-2.3849e-01	0.0000e+00	-1.5240e-01	-3.9069e-02	3.5276e-01	-3.7337e-01
791	80	-1.7092e-01	0.0000e+00	5.3108e-02	-1.2026e+00	-3.4219e-01	-3.1169e-01
	82	-1.7092e-01	0.0000e+00	1.6019e-02	3.5170e+00	8.8653e-02	-1.3461e-01
	83	-9.3736e-02	0.0000e+00	-3.3739e-02	2.5783e+00	-9.3373e-02	-1.3791e-01
	81	-9.3736e-02	0.0000e+00	3.3498e-03	-1.6505e-02	3.4691e-01	-3.1499e-01
792	59	-1.1143e-01	3.5184e-17	-1.5788e-02	-1.0063e+00	-2.9339e-01	-2.3732e-01
	80	-1.1143e-01	0.0000e+00	6.0851e-03	3.7031e-01	3.5770e-01	-2.8224e-01
	81	-1.4823e-01	0.0000e+00	1.2530e-02	-1.2484e+00	-3.5742e-01	-2.8205e-01
	57	-1.4823e-01	3.5184e-17	-9.3429e-03	5.4974e-01	2.9311e-01	-2.3713e-01
793	76	-1.4721e-01	-6.6607e-17	5.4764e-02	7.6945e+01	-1.8288e+00	-1.4043e+00
	78	-1.4721e-01	7.0369e-17	5.3782e-02	-1.9014e+02	-4.5420e+01	3.1596e+01
	79	-2.8224e-03	6.2281e-17	-5.7723e-03	-6.0266e+01	4.5627e+01	3.1741e+01
	77	-2.8224e-03	-7.1309e-17	-4.7907e-03	-6.8340e+00	1.6219e+00	-1.2598e+00
794	74	-6.3232e-02	-5.0165e-18	-6.8941e-04	-2.2198e+00	-3.1078e-01	-2.8975e-01
	76	-6.3232e-02	0.0000e+00	1.3913e-02	2.5943e+01	-2.4402e+00	1.6316e+00
	77	-9.5208e-02	-1.1925e-17	-1.1496e-02	3.2374e+01	2.3973e+00	1.6017e+00
	75	-9.5208e-02	1.2541e-18	-2.6099e-02	-5.9670e+00	3.5369e-01	-3.1973e-01
795	55	-8.6950e-02	3.2852e-17	1.3747e-02	4.2852e+00	-5.2769e-01	-4.0097e-01
	74	-8.6950e-02	3.5184e-17	1.1927e-05	-1.2518e+01	1.0759e-01	-1.0756e-01
	75	-7.4308e-02	2.7849e-17	-5.8009e-03	-1.3805e+01	-8.3982e-02	-9.1065e-02
	56	-7.4308e-02	3.5767e-17	7.9341e-03	5.9820e+00	5.0408e-01	-3.8448e-01
796	503	-8.6001e-02	-2.3163e-17	-2.8194e-02	4.6718e+00	2.5299e-01	3.2812e-01
	72	-8.6001e-02	-5.5711e-18	-2.1851e-02	-2.1115e+00	3.3362e-01	-3.5299e-01
	73	-6.4992e-02	2.0211e-17	2.0472e-02	-1.1667e+00	4.5082e-03	3.9609e-02
	504	-6.4992e-02	9.5995e-18	1.4130e-02	2.1452e+00	-5.9112e-01	7.2072e-01
797	496	-1.8483e-02	1.0052e-17	-1.7780e-03	-1.6051e+00	-3.3461e-01	-2.0747e-01
	70	-1.8483e-02	2.1128e-17	-1.9994e-03	1.5951e+00	4.3598e-01	-2.7340e-01
	71	-1.7826e-02	-1.9655e-17	1.0025e-03	1.5313e-02	-3.9187e-01	-2.4471e-01
	497	-1.7826e-02	-1.0129e-18	1.2239e-03	-1.1115e-01	2.9051e-01	-1.7878e-01
798	498	-2.1902e-02	8.5802e-18	-4.2992e-04	-7.5530e-02	4.8318e-02	3.2655e-02
	68	-2.1902e-02	0.0000e+00	-1.2740e-03	2.8176e-02	-8.2851e-02	4.8714e-02
	69	-2.2409e-02	3.8624e-18	-1.5741e-03	2.1812e-01	1.2043e-01	6.6190e-02
	499	-2.2409e-02	-2.1450e-18	-7.2997e-04	-2.5053e-01	-8.5895e-02	5.0130e-02
799	495	-2.2328e-02	-1.7592e-17	1.0744e-02	-1.4994e-01	-3.7140e-03	7.7691e-03
	66	-2.2328e-02	0.0000e+00	8.8451e-03	1.2946e-01	2.9118e-02	-8.7554e-03
	67	-3.4013e-02	-4.8618e-32	-1.5128e-02	6.1733e-02	-2.3221e-02	-4.9191e-03
	494	-3.4013e-02	-1.7592e-17	-1.3229e-02	-1.0371e-01	-2.1839e-03	1.1605e-02
800	493	-1.6639e-02	1.6949e-18	-4.9654e-03	-3.6187e-01	-2.8807e-01	-3.0011e-01
	64	-1.6639e-02	2.7447e-17	-6.6153e-03	4.5282e-01	3.7601e-01	-4.0221e-01
	65	-1.0634e-02	1.0252e-17	3.2392e-03	-3.0030e+00	-2.0703e-01	-2.0600e-01
	492	-1.0634e-02	-8.5498e-18	4.8891e-03	2.8569e+00	1.1909e-01	-1.0390e-01
801	500	-1.5565e-02	-8.7961e-18	7.7043e-04	1.0664e+00	-8.0585e-02	-3.1759e-02
	62	-1.5565e-02	0.0000e+00	2.1445e-03	-4.2178e-01	-1.0857e-02	4.3284e-02
	63	-2.0220e-02	0.0000e+00	4.0479e-03	-3.4228e-01	8.5904e-02	1.0487e-01
	501	-2.0220e-02	-8.7961e-18	2.6738e-03	1.1101e+00	5.5375e-03	2.9830e-02
802	489	-1.4412e-01	0.0000e+00	-4.5321e-02	-8.9899e-01	-1.6461e-01	-7.7452e-02

803	57	-1.4412e-01	3.5184e-17	-3.4887e-02	2.0658e-01	3.7244e-01	-2.1864e-01
	59	-1.2801e-01	3.5184e-17	4.4167e-02	-1.1315e+00	-3.7373e-01	-2.1951e-01
	488	-1.2801e-01	0.0000e+00	3.3734e-02	2.4729e-01	1.6589e-01	-7.8322e-02
	482	-5.7875e-02	-3.1435e-17	-1.2406e-02	1.3639e+00	2.8566e-01	2.2843e-01
804	55	-5.7875e-02	3.5184e-17	-9.9877e-04	6.4545e-01	6.0917e-01	-3.7946e-01
	56	-1.1149e-01	2.7852e-17	1.6980e-02	-5.4640e-01	-6.2322e-01	-3.8900e-01
	483	-1.1149e-01	-1.4131e-17	5.5729e-03	1.7298e+00	-2.7162e-01	2.1889e-01
	474	-7.2623e-02	-6.4286e-18	-9.5233e-03	-1.2124e+00	-4.6644e-01	-2.8249e-01
805	4	-7.2623e-02	0.0000e+00	-8.5783e-03	9.7705e-02	6.5895e-01	-4.1327e-01
	54	-6.0910e-02	-2.2829e-18	1.6210e-02	-2.6164e+00	-6.7128e-01	-4.2165e-01
	475	-6.0910e-02	1.6072e-18	1.5265e-02	1.3240e+00	4.7877e-01	-2.9087e-01
	479	-8.5556e-02	-1.0783e-18	-1.0268e-02	4.0598e-01	4.7567e-01	3.5751e-01
1	2	-8.5556e-02	-5.3429e-17	-2.0590e-02	-1.4959e+00	-4.9099e-01	3.6792e-01
	3	-5.5316e-02	-3.3483e-17	1.1264e-02	7.4893e-01	4.9414e-01	3.7006e-01
	478	-5.5316e-02	1.6427e-17	2.1586e-02	-1.8247e+00	-4.7882e-01	3.5965e-01
	12	0.0000e+00	0.0000e+00	0.0000e+00	-2.4184e+00	-2.9841e+00	-4.5037e+00
2	17	0.0000e+00	0.0000e+00	0.0000e+00	5.8017e+00	-1.0036e+01	-3.0214e+00
	36	0.0000e+00	0.0000e+00	0.0000e+00	-2.2124e+00	-3.5183e+01	-1.1908e+01
	36	0.0000e+00	0.0000e+00	0.0000e+00	2.7138e+01	5.4845e+00	6.5282e+00
	12	0.0000e+00	0.0000e+00	0.0000e+00	-2.5831e+00	8.1596e+00	6.1700e+00
3	466	0.0000e+00	0.0000e+00	0.0000e+00	2.6753e+00	-1.3430e+01	8.4245e+00
	17	0.0000e+00	0.0000e+00	0.0000e+00	6.8704e+00	1.3005e+01	-1.7691e+00
	12	0.0000e+00	0.0000e+00	0.0000e+00	-8.7932e+00	8.4723e+00	-6.1654e+00
	19	0.0000e+00	0.0000e+00	0.0000e+00	4.4109e+00	8.4060e+00	-6.9284e+00
4	12	0.0000e+00	0.0000e+00	0.0000e+00	-2.7658e+00	-1.4932e+00	-7.5694e+00
	466	0.0000e+00	0.0000e+00	0.0000e+00	2.1294e+01	-9.5191e-01	-4.1901e+00
	516	0.0000e+00	0.0000e+00	0.0000e+00	1.9552e+01	2.3306e+01	-4.3147e+00
	19	0.0000e+00	0.0000e+00	0.0000e+00	1.5579e+01	-6.7979e+00	-1.1068e+01
5	12	0.0000e+00	0.0000e+00	0.0000e+00	7.5409e+00	-1.3409e+01	-2.6256e+00
	516	0.0000e+00	0.0000e+00	0.0000e+00	1.7502e+01	1.2201e+01	-1.1203e+01
	346	0.0000e+00	0.0000e+00	0.0000e+00	-7.0688e+00	-1.0693e+01	-2.7850e-01
	335	0.0000e+00	0.0000e+00	0.0000e+00	-4.3244e+00	-1.5186e+01	-1.2607e+00
6	16	0.0000e+00	0.0000e+00	0.0000e+00	-4.3439e+00	1.0321e+01	-5.8106e+00
	16	0.0000e+00	0.0000e+00	0.0000e+00	2.3864e+00	1.7466e+01	3.0635e+00
	346	0.0000e+00	0.0000e+00	0.0000e+00	7.2083e+00	2.2035e+01	-4.8128e+00
	19	0.0000e+00	0.0000e+00	0.0000e+00	1.5298e+00	6.0226e+00	8.7066e-01
7	16	0.0000e+00	0.0000e+00	0.0000e+00	3.4326e+00	-9.8549e+00	-2.1309e+00
	335	0.0000e+00	0.0000e+00	0.0000e+00	-1.6044e+01	-1.4528e+01	4.7263e+00
	463	0.0000e+00	0.0000e+00	0.0000e+00	1.2616e+01	1.3992e+01	-7.3430e+00
	16	0.0000e+00	0.0000e+00	0.0000e+00	7.6049e+00	-6.6672e+00	3.5398e+00
8	19	0.0000e+00	0.0000e+00	0.0000e+00	1.7137e+00	-6.9964e+00	-1.1761e+00
	15	0.0000e+00	0.0000e+00	0.0000e+00	8.5926e-01	-1.9036e+01	2.6736e+00
	19	0.0000e+00	0.0000e+00	0.0000e+00	3.7362e+00	6.1539e+00	7.9643e+00
	15	0.0000e+00	0.0000e+00	0.0000e+00	1.6341e+01	-8.3958e-02	9.2148e+00
9	17	0.0000e+00	0.0000e+00	0.0000e+00	1.1747e+01	7.8713e+00	5.4436e+00
	15	0.0000e+00	0.0000e+00	0.0000e+00	2.7904e+00	-7.5442e+00	8.7737e-01
	17	0.0000e+00	0.0000e+00	0.0000e+00	-2.6778e+00	-4.6593e+00	1.0811e+01
	35	0.0000e+00	0.0000e+00	0.0000e+00	1.2153e+01	2.8738e+01	4.1956e+00
10	15	0.0000e+00	0.0000e+00	0.0000e+00	-2.0915e+00	-7.5402e+00	-3.2516e+00
	35	0.0000e+00	0.0000e+00	0.0000e+00	3.1323e+01	-1.1699e+01	1.0183e+01
	10	0.0000e+00	0.0000e+00	0.0000e+00	1.1310e+01	-1.5819e+01	-6.2537e+00
	10	0.0000e+00	0.0000e+00	0.0000e+00	1.8600e+01	1.8083e+01	5.5671e+00
11	15	0.0000e+00	0.0000e+00	0.0000e+00	3.8095e+00	1.6505e+01	7.0205e+00
	16	0.0000e+00	0.0000e+00	0.0000e+00	3.5843e+00	6.2051e+00	4.9788e+00
	10	0.0000e+00	0.0000e+00	0.0000e+00	2.4496e+01	7.2605e+00	-2.7380e+00
	14	0.0000e+00	0.0000e+00	0.0000e+00			

	16	0.0000e+00	0.0000e+00	0.0000e+00	1.0575e+01	-1.0722e+01	2.8460e-01
	463	0.0000e+00	0.0000e+00	0.0000e+00	1.4550e+01	1.1007e+01	-8.0914e+00
24	584	0.0000e+00	0.0000e+00	0.0000e+00	1.1097e+01	-1.3212e+00	-2.3850e+01
	511	0.0000e+00	0.0000e+00	0.0000e+00	-4.0399e+00	-2.7219e+01	-1.0612e+01
	32	0.0000e+00	0.0000e+00	0.0000e+00	1.1922e+01	3.2288e+01	-3.6994e+01
25	412	0.0000e+00	0.0000e+00	0.0000e+00	1.1277e+01	-1.0950e+01	-7.0700e+00
	584	0.0000e+00	0.0000e+00	0.0000e+00	1.9471e+01	-3.3551e+00	-1.2034e+01
	511	0.0000e+00	0.0000e+00	0.0000e+00	2.1969e+01	1.1662e+01	-1.0850e+01
26	52	0.0000e+00	0.0000e+00	0.0000e+00	-9.3773e+00	1.9972e+01	-1.5522e+01
	584	0.0000e+00	0.0000e+00	0.0000e+00	-5.1433e+00	2.5801e+01	-1.9525e+01
	32	0.0000e+00	0.0000e+00	0.0000e+00	-4.1379e+00	4.0867e+01	-1.9303e+01
27	412	0.0000e+00	0.0000e+00	0.0000e+00	8.3063e+00	9.4264e+00	9.6605e+00
	52	0.0000e+00	0.0000e+00	0.0000e+00	-2.2117e+01	1.5729e+01	8.7792e+00
	584	0.0000e+00	0.0000e+00	0.0000e+00	-5.8267e+00	1.5314e+01	2.2378e+01
124	52	0.0000e+00	0.0000e+00	0.0000e+00	1.1391e+01	9.0443e+00	-6.0694e+00
	464	0.0000e+00	0.0000e+00	0.0000e+00	-1.6174e+01	-1.3115e+01	-2.2507e+00
	421	0.0000e+00	0.0000e+00	0.0000e+00	-7.7029e+00	-3.1756e+00	-6.7674e+00
	536	0.0000e+00	0.0000e+00	0.0000e+00	7.3583e+00	-5.5630e+00	-1.0673e+01
129	5	0.0000e+00	0.0000e+00	0.0000e+00	9.9176e+00	-2.1934e+01	-1.4554e+01
	586	0.0000e+00	0.0000e+00	0.0000e+00	-2.4676e+01	-2.9621e+01	-2.6859e+01
	535	0.0000e+00	0.0000e+00	0.0000e+00	5.6143e+00	-1.7958e+01	-1.9918e+01
130	535	0.0000e+00	0.0000e+00	0.0000e+00	1.0240e+01	-2.2872e+00	1.0158e+01
	586	0.0000e+00	0.0000e+00	0.0000e+00	-3.4330e+00	-1.0054e+01	2.6931e-01
	28	0.0000e+00	0.0000e+00	0.0000e+00	9.7169e+00	2.4798e+01	9.4160e+00
131	28	0.0000e+00	0.0000e+00	0.0000e+00	1.6929e+01	6.3785e+00	-2.6403e+00
	27	0.0000e+00	0.0000e+00	0.0000e+00	6.5413e+00	5.9218e+00	-5.4663e+00
	534	0.0000e+00	0.0000e+00	0.0000e+00	9.5908e+00	-1.3918e+01	-2.3666e+00
	535	0.0000e+00	0.0000e+00	0.0000e+00	2.0609e+01	-1.3217e+01	-6.9184e+00
132	204	0.0000e+00	0.0000e+00	0.0000e+00	3.0289e+01	-6.8911e+00	-2.2737e-02
	5	0.0000e+00	0.0000e+00	0.0000e+00	2.3516e+01	-1.8616e+01	-4.0703e+00
	535	0.0000e+00	0.0000e+00	0.0000e+00	2.3057e+01	-1.4261e+01	-8.0106e+00
	534	0.0000e+00	0.0000e+00	0.0000e+00	1.4033e+01	-1.8953e+01	-3.6715e+00
133	462	0.0000e+00	0.0000e+00	0.0000e+00	-7.7982e+00	5.7774e+00	-7.4922e+00
	414	0.0000e+00	0.0000e+00	0.0000e+00	-2.7222e-01	-1.3012e+01	-1.7584e+01
	6	0.0000e+00	0.0000e+00	0.0000e+00	-7.1085e+00	4.1771e+01	-1.3829e+01
	533	0.0000e+00	0.0000e+00	0.0000e+00	-1.0645e+01	-1.0221e+00	-7.8888e-01
134	534	0.0000e+00	0.0000e+00	0.0000e+00	-9.3728e+00	3.8916e-01	1.0593e+01
	27	0.0000e+00	0.0000e+00	0.0000e+00	5.3120e+00	6.3256e+00	4.0213e+00
	462	0.0000e+00	0.0000e+00	0.0000e+00	-1.0509e+01	-1.0513e+01	1.8115e+00
	533	0.0000e+00	0.0000e+00	0.0000e+00	-2.0855e+00	2.1931e-01	8.4239e+00
135	204	0.0000e+00	0.0000e+00	0.0000e+00	7.3020e-01	5.4870e+00	9.9851e+00
	534	0.0000e+00	0.0000e+00	0.0000e+00	-1.5099e+01	7.4138e+00	8.8538e+00
	533	0.0000e+00	0.0000e+00	0.0000e+00	-1.8693e+01	1.3790e+01	2.8338e+00
	6	0.0000e+00	0.0000e+00	0.0000e+00	-4.1762e+00	2.8992e+01	5.2993e+00
136	454	0.0000e+00	0.0000e+00	0.0000e+00	3.1539e+00	2.8607e+00	2.9632e+00
	515	0.0000e+00	0.0000e+00	0.0000e+00	2.0211e+00	-1.1326e+01	6.4192e+00
	582	0.0000e+00	0.0000e+00	0.0000e+00	4.1168e+00	3.9680e-01	-1.5191e+00
137	582	0.0000e+00	0.0000e+00	0.0000e+00	7.0562e+00	1.6250e+00	1.3144e+00
	515	0.0000e+00	0.0000e+00	0.0000e+00	-6.3729e+00	-1.8524e+01	5.3839e+00
	532	0.0000e+00	0.0000e+00	0.0000e+00	4.3241e+00	-4.4572e+00	-9.1841e+00
138	515	0.0000e+00	0.0000e+00	0.0000e+00	2.0293e+01	-2.5181e+01	-9.2615e+00
	516	0.0000e+00	0.0000e+00	0.0000e+00	-7.9420e+00	-2.5359e+01	2.2896e+00
	11	0.0000e+00	0.0000e+00	0.0000e+00	1.8877e+01	4.4291e+00	-6.2413e+00
139	11	0.0000e+00	0.0000e+00	0.0000e+00	-5.6766e+00	-2.2540e+01	-2.3934e+00
	515	0.0000e+00	0.0000e+00	0.0000e+00	1.6122e+01	5.3601e-01	-4.6980e+00

	532	0.0000e+00	0.0000e+00	0.0000e+00	-4.6073e+00	1.3690e+00	7.8581e+00
140	346	0.0000e+00	0.0000e+00	0.0000e+00	-2.3749e+00	1.4687e+01	-8.5391e-01
	11	0.0000e+00	0.0000e+00	0.0000e+00	1.7358e+01	1.7980e+01	7.4171e+00
	19	0.0000e+00	0.0000e+00	0.0000e+00	-6.5418e-01	2.3225e+00	-3.2790e-01
141	11	0.0000e+00	0.0000e+00	0.0000e+00	1.9580e+01	9.4912e+00	2.0510e+00
	516	0.0000e+00	0.0000e+00	0.0000e+00	-1.8600e+01	6.7269e-01	-4.4716e+00
	19	0.0000e+00	0.0000e+00	0.0000e+00	5.8598e+00	-1.4596e+00	-8.4392e+00
142	514	0.0000e+00	0.0000e+00	0.0000e+00	-8.1730e-01	2.4341e+00	3.2592e+00
	532	0.0000e+00	0.0000e+00	0.0000e+00	8.2362e+00	1.3959e+00	2.4528e+00
	11	0.0000e+00	0.0000e+00	0.0000e+00	1.3296e+01	2.7848e+01	3.5219e+00
	346	0.0000e+00	0.0000e+00	0.0000e+00	-3.6519e+00	1.9739e+01	5.6324e+00
143	463	0.0000e+00	0.0000e+00	0.0000e+00	8.5244e-01	-3.2613e+01	-3.9835e+00
	513	0.0000e+00	0.0000e+00	0.0000e+00	1.1382e+01	-1.1112e+01	5.4494e+00
	530	0.0000e+00	0.0000e+00	0.0000e+00	-1.0288e+01	-3.2587e+00	6.3224e+00
	335	0.0000e+00	0.0000e+00	0.0000e+00	2.7453e+01	1.4872e+01	1.7984e+00
144	514	0.0000e+00	0.0000e+00	0.0000e+00	3.6216e+00	5.6110e+00	1.2859e+00
	346	0.0000e+00	0.0000e+00	0.0000e+00	2.9953e+01	5.3778e+00	3.9180e+00
	335	0.0000e+00	0.0000e+00	0.0000e+00	2.5909e+01	2.1997e+00	4.4474e+00
	530	0.0000e+00	0.0000e+00	0.0000e+00	-1.5130e+01	1.6236e+00	-4.1885e+00
145	531	0.0000e+00	0.0000e+00	0.0000e+00	-1.0702e+01	-8.8413e+00	3.2843e+00
	451	0.0000e+00	0.0000e+00	0.0000e+00	5.6568e-01	-4.6686e+00	4.8725e+00
	454	0.0000e+00	0.0000e+00	0.0000e+00	3.7438e-01	5.5023e-02	3.5167e+00
	582	0.0000e+00	0.0000e+00	0.0000e+00	5.4448e+00	9.5484e+00	-1.1008e+00
146	514	0.0000e+00	0.0000e+00	0.0000e+00	-3.8004e+00	-2.9556e+00	-3.8691e+00
	531	0.0000e+00	0.0000e+00	0.0000e+00	-1.5030e+01	-7.8619e+00	6.8802e-01
	582	0.0000e+00	0.0000e+00	0.0000e+00	3.9260e+00	1.2903e+01	-1.4134e-01
	532	0.0000e+00	0.0000e+00	0.0000e+00	-7.4248e+00	9.3259e+00	-5.1924e+00
147	450	0.0000e+00	0.0000e+00	0.0000e+00	-1.4756e+00	-1.2075e+00	1.4026e-01
	451	0.0000e+00	0.0000e+00	0.0000e+00	-2.5163e+00	-4.0513e+00	-1.1616e+00
	531	0.0000e+00	0.0000e+00	0.0000e+00	-4.8284e+00	-1.3209e+01	-4.7262e+00
	469	0.0000e+00	0.0000e+00	0.0000e+00	-1.3012e+00	-4.0491e+00	-4.7192e+00
148	530	0.0000e+00	0.0000e+00	0.0000e+00	-1.0157e+01	-1.1556e+01	-8.2872e+00
	513	0.0000e+00	0.0000e+00	0.0000e+00	-1.0846e+01	-1.3468e+01	-2.9471e+00
	450	0.0000e+00	0.0000e+00	0.0000e+00	-2.6894e+00	-4.3805e+00	-2.3398e-01
	469	0.0000e+00	0.0000e+00	0.0000e+00	-7.8276e+00	-5.3779e+00	-6.3888e+00
149	514	0.0000e+00	0.0000e+00	0.0000e+00	3.1554e+00	-1.8949e+00	-2.3142e-01
	530	0.0000e+00	0.0000e+00	0.0000e+00	-3.3587e+00	-1.1734e+01	-3.2191e+00
	469	0.0000e+00	0.0000e+00	0.0000e+00	-2.2826e+00	-1.6674e+01	-7.2279e+00
	531	0.0000e+00	0.0000e+00	0.0000e+00	-3.2983e+00	-1.6668e+01	-4.7656e+00
150	21	0.0000e+00	0.0000e+00	0.0000e+00	-2.7189e+01	-1.5810e+01	-2.1503e+01
	22	0.0000e+00	0.0000e+00	0.0000e+00	2.6627e+01	6.4875e+00	-1.4827e+01
	30	0.0000e+00	0.0000e+00	0.0000e+00	3.2766e+01	1.2545e+01	-3.3238e-01
151	171	0.0000e+00	0.0000e+00	0.0000e+00	4.4338e+01	-3.6557e+00	-2.3340e+00
	30	0.0000e+00	0.0000e+00	0.0000e+00	-3.6504e+01	-2.2243e+01	-1.0885e+01
	21	0.0000e+00	0.0000e+00	0.0000e+00	3.9051e+01	1.7135e+01	-1.3825e+01
152	171	0.0000e+00	0.0000e+00	0.0000e+00	-2.9000e+00	3.6449e+01	3.4555e+00
	21	0.0000e+00	0.0000e+00	0.0000e+00	1.9039e+01	2.6096e+01	-3.5444e+00
	413	0.0000e+00	0.0000e+00	0.0000e+00	-4.5890e+00	-4.8654e+00	-1.6234e+01
153	413	0.0000e+00	0.0000e+00	0.0000e+00	1.3193e+01	-1.0929e+01	2.7988e+00
	171	0.0000e+00	0.0000e+00	0.0000e+00	-3.6515e+01	-2.1709e+01	3.9021e+00
	398	0.0000e+00	0.0000e+00	0.0000e+00	3.7156e+00	1.2077e-01	-5.2277e+00
154	524	0.0000e+00	0.0000e+00	0.0000e+00	-5.2719e+00	-2.6410e+01	6.7899e+00
	526	0.0000e+00	0.0000e+00	0.0000e+00	4.4961e+01	-2.2882e+01	3.4109e+00
	525	0.0000e+00	0.0000e+00	0.0000e+00	4.0002e+01	6.4026e+00	8.2925e+00
155	524	0.0000e+00	0.0000e+00	0.0000e+00	-1.9079e+01	-2.8658e+01	-2.9948e+00
	525	0.0000e+00	0.0000e+00	0.0000e+00	2.0738e+01	6.2912e+00	-3.2079e+01

	34	0.0000e+00	0.0000e+00	0.0000e+00	-3.2971e+01	2.0346e+00	1.3402e+01
156	23	0.0000e+00	0.0000e+00	0.0000e+00	-8.9276e+00	1.0349e+01	7.3154e+00
	513	0.0000e+00	0.0000e+00	0.0000e+00	1.6600e+01	1.4408e+01	4.6798e+00
	450	0.0000e+00	0.0000e+00	0.0000e+00	4.8892e+00	9.5467e+00	8.7792e+00
157	425	0.0000e+00	0.0000e+00	0.0000e+00	3.4378e+00	-8.4846e-01	9.6603e+00
	450	0.0000e+00	0.0000e+00	0.0000e+00	-4.1858e+00	-6.4275e+00	9.7668e+00
	23	0.0000e+00	0.0000e+00	0.0000e+00	1.2867e-01	-3.5439e+00	7.5294e+00
158	34	0.0000e+00	0.0000e+00	0.0000e+00	7.5247e+00	2.6782e+00	-9.4051e+00
	524	0.0000e+00	0.0000e+00	0.0000e+00	4.1695e+01	-9.6925e+00	-1.4578e+01
	33	0.0000e+00	0.0000e+00	0.0000e+00	3.7136e+01	4.5311e+01	-3.5607e+01
159	33	0.0000e+00	0.0000e+00	0.0000e+00	-1.2069e+01	-4.5920e+01	-2.7955e+00
	34	0.0000e+00	0.0000e+00	0.0000e+00	6.3417e+00	-5.7355e+01	9.0758e+00
	465	0.0000e+00	0.0000e+00	0.0000e+00	5.9341e+00	-2.3448e+01	1.0612e+00
160	33	0.0000e+00	0.0000e+00	0.0000e+00	-2.1970e+01	-6.0889e+01	-7.8137e+00
	465	0.0000e+00	0.0000e+00	0.0000e+00	5.6165e-01	-2.1461e+01	-1.6513e+00
	512	0.0000e+00	0.0000e+00	0.0000e+00	-1.7377e+01	1.3860e+01	1.3612e+01
161	465	0.0000e+00	0.0000e+00	0.0000e+00	4.3432e-01	-1.4997e+01	8.7024e-01
	34	0.0000e+00	0.0000e+00	0.0000e+00	-4.1298e+01	-3.4549e+01	1.1217e+01
	10	0.0000e+00	0.0000e+00	0.0000e+00	-1.9179e+01	1.2057e+01	-1.8549e+01
162	10	0.0000e+00	0.0000e+00	0.0000e+00	1.0951e+01	-1.0208e+01	-1.0594e+01
	34	0.0000e+00	0.0000e+00	0.0000e+00	-4.4111e+01	-2.9557e+01	-1.7114e+01
	35	0.0000e+00	0.0000e+00	0.0000e+00	8.1918e+00	-1.5564e+01	-2.8684e+01
163	35	0.0000e+00	0.0000e+00	0.0000e+00	2.0911e+01	1.2285e+01	-1.2168e+01
	17	0.0000e+00	0.0000e+00	0.0000e+00	-1.4173e+01	-4.7774e-01	-7.3185e+00
	36	0.0000e+00	0.0000e+00	0.0000e+00	-7.5831e+00	9.8888e+00	-1.9950e+01
164	529	0.0000e+00	0.0000e+00	0.0000e+00	-1.2811e+01	-4.6612e+01	-5.5325e+00
	526	0.0000e+00	0.0000e+00	0.0000e+00	1.2372e+01	-3.5749e+01	-1.4635e+01
	42	0.0000e+00	0.0000e+00	0.0000e+00	3.5684e+01	2.3411e+01	6.3719e+00
	127	0.0000e+00	0.0000e+00	0.0000e+00	-2.5406e+01	-2.4380e+01	1.1524e+01
165	33	0.0000e+00	0.0000e+00	0.0000e+00	2.9796e+01	6.7800e+01	6.0005e+00
	524	0.0000e+00	0.0000e+00	0.0000e+00	-2.7492e+01	4.0985e+00	9.5233e+00
	526	0.0000e+00	0.0000e+00	0.0000e+00	6.2390e-02	-3.6048e+01	-1.7332e+01
	529	0.0000e+00	0.0000e+00	0.0000e+00	-3.0311e+00	-5.0415e+01	-1.6242e+01
166	528	0.0000e+00	0.0000e+00	0.0000e+00	-1.0319e+01	-3.9129e+01	2.9376e+00
	529	0.0000e+00	0.0000e+00	0.0000e+00	-6.7461e+00	-4.8960e+01	3.1245e-01
	127	0.0000e+00	0.0000e+00	0.0000e+00	-6.5704e+00	-1.2916e+01	1.2906e+00
	126	0.0000e+00	0.0000e+00	0.0000e+00	-1.1662e+01	-2.3471e+01	1.7120e+00
167	32	0.0000e+00	0.0000e+00	0.0000e+00	-2.5219e+01	4.9375e+01	-1.2874e+00
	33	0.0000e+00	0.0000e+00	0.0000e+00	2.1935e+01	7.3600e+01	-3.3713e+00
	529	0.0000e+00	0.0000e+00	0.0000e+00	-2.8666e+00	-4.4800e+01	6.7520e+00
	528	0.0000e+00	0.0000e+00	0.0000e+00	-6.8820e+00	-3.4295e+01	4.1950e+00
168	511	0.0000e+00	0.0000e+00	0.0000e+00	-1.8874e+01	-1.5411e+01	-8.6214e+00
	512	0.0000e+00	0.0000e+00	0.0000e+00	6.2253e+00	-6.3874e+00	-5.3396e+00
	33	0.0000e+00	0.0000e+00	0.0000e+00	2.3359e+01	7.9978e+01	5.5699e+00
	32	0.0000e+00	0.0000e+00	0.0000e+00	-2.2466e+01	4.6883e+01	1.4625e-02
169	464	0.0000e+00	0.0000e+00	0.0000e+00	-1.1613e+00	-2.4279e+01	3.1044e+00
	528	0.0000e+00	0.0000e+00	0.0000e+00	-1.8463e+01	-3.5067e+01	6.5820e+00
	126	0.0000e+00	0.0000e+00	0.0000e+00	-2.6009e+01	-1.2894e+01	-3.0459e+00
	1	0.0000e+00	0.0000e+00	0.0000e+00	4.9297e+00	3.4009e+00	-7.6909e+00
170	52	0.0000e+00	0.0000e+00	0.0000e+00	-2.3449e+01	1.3756e+01	1.8931e+00
	32	0.0000e+00	0.0000e+00	0.0000e+00	-6.8593e+00	4.1646e+01	6.5391e+00
	528	0.0000e+00	0.0000e+00	0.0000e+00	-6.2593e+00	-3.6718e+01	9.4602e+00
	464	0.0000e+00	0.0000e+00	0.0000e+00	-1.1446e+01	-1.5235e+01	5.7654e+00
171	527	0.0000e+00	0.0000e+00	0.0000e+00	5.3952e+00	-2.0223e+01	7.1296e+00
	521	0.0000e+00	0.0000e+00	0.0000e+00	-5.9771e+00	-4.4173e+01	1.2492e+01
	45	0.0000e+00	0.0000e+00	0.0000e+00	1.7994e+01	1.9460e+01	-1.1513e+01

	506	0.0000e+00	0.0000e+00	0.0000e+00	-4.1262e+01	2.4802e+01	-9.5809e-01
172	35	0.0000e+00	0.0000e+00	0.0000e+00	1.0722e-01	3.5043e+01	7.6574e+00
	36	0.0000e+00	0.0000e+00	0.0000e+00	-7.0681e+00	2.6724e+01	6.1191e+00
	521	0.0000e+00	0.0000e+00	0.0000e+00	-5.6964e+00	-3.4529e+01	-4.6842e+00
	527	0.0000e+00	0.0000e+00	0.0000e+00	-6.9942e+00	-2.4725e+01	-3.4263e+00
173	525	0.0000e+00	0.0000e+00	0.0000e+00	1.8962e+01	-3.6083e+01	-1.4103e+01
	527	0.0000e+00	0.0000e+00	0.0000e+00	-7.6767e+00	-2.1634e+01	-3.7861e+00
	506	0.0000e+00	0.0000e+00	0.0000e+00	-3.7699e+01	2.5756e+01	5.8807e+00
	44	0.0000e+00	0.0000e+00	0.0000e+00	1.8453e+01	7.1621e+00	1.3776e+01
174	34	0.0000e+00	0.0000e+00	0.0000e+00	1.6734e+01	3.9897e+01	5.7889e+00
	35	0.0000e+00	0.0000e+00	0.0000e+00	-6.5211e+00	2.8518e+01	1.8022e+00
	527	0.0000e+00	0.0000e+00	0.0000e+00	-5.8860e+00	-3.2799e+01	-5.2110e+00
	525	0.0000e+00	0.0000e+00	0.0000e+00	-5.6988e+00	-3.5427e+01	-1.5422e+00
175	526	0.0000e+00	0.0000e+00	0.0000e+00	3.0409e+01	-5.3079e+01	-1.0644e+01
	525	0.0000e+00	0.0000e+00	0.0000e+00	-6.5218e+00	-2.2048e+01	-5.1898e+00
	44	0.0000e+00	0.0000e+00	0.0000e+00	-5.3714e-01	2.8014e+01	1.2471e+01
	42	0.0000e+00	0.0000e+00	0.0000e+00	1.3067e+01	1.2472e+01	8.6217e+00
176	522	0.0000e+00	0.0000e+00	0.0000e+00	-1.9429e+00	-4.4262e+01	8.8045e+00
	588	0.0000e+00	0.0000e+00	0.0000e+00	5.7350e+00	-5.8387e+01	-6.0709e+00
	7	0.0000e+00	0.0000e+00	0.0000e+00	-1.5806e+01	1.5894e+01	-1.4512e+01
	47	0.0000e+00	0.0000e+00	0.0000e+00	4.0620e+00	3.7660e+01	-6.2843e+00
177	38	0.0000e+00	0.0000e+00	0.0000e+00	1.8913e+00	6.3068e+01	-1.8860e-01
	39	0.0000e+00	0.0000e+00	0.0000e+00	-1.9850e+01	6.2997e+01	6.8861e+00
	588	0.0000e+00	0.0000e+00	0.0000e+00	9.0215e+00	-4.6573e+01	8.3562e+00
	522	0.0000e+00	0.0000e+00	0.0000e+00	-2.0970e+00	-4.1708e+01	-6.6764e+00
178	518	0.0000e+00	0.0000e+00	0.0000e+00	-1.2578e+01	-8.7963e+00	-3.3392e-01
	587	0.0000e+00	0.0000e+00	0.0000e+00	1.3156e+01	-2.5038e+01	-1.7464e+01
	39	0.0000e+00	0.0000e+00	0.0000e+00	-1.7074e+01	7.6056e+01	-1.7877e+01
	38	0.0000e+00	0.0000e+00	0.0000e+00	3.5405e+00	7.4913e+01	-5.9460e+00
179	520	0.0000e+00	0.0000e+00	0.0000e+00	4.3319e+00	-3.1102e+01	9.0634e+00
	522	0.0000e+00	0.0000e+00	0.0000e+00	1.4679e-01	-5.8189e+01	1.5416e+00
	47	0.0000e+00	0.0000e+00	0.0000e+00	1.0541e-01	2.3129e+01	-1.0508e+01
	46	0.0000e+00	0.0000e+00	0.0000e+00	-4.2635e+00	3.8372e+01	-6.4287e+00
180	37	0.0000e+00	0.0000e+00	0.0000e+00	2.6588e-01	5.9797e+01	4.5529e+00
	38	0.0000e+00	0.0000e+00	0.0000e+00	1.8994e+00	5.6302e+01	4.5750e+00
	522	0.0000e+00	0.0000e+00	0.0000e+00	2.8101e+00	-5.0262e+01	-2.0800e+00
	520	0.0000e+00	0.0000e+00	0.0000e+00	4.8489e+00	-3.6909e+01	-6.8221e+00
181	517	0.0000e+00	0.0000e+00	0.0000e+00	6.6308e-01	7.2056e+00	1.6783e+00
	518	0.0000e+00	0.0000e+00	0.0000e+00	1.0245e+01	-2.0992e+01	1.3257e+00
	38	0.0000e+00	0.0000e+00	0.0000e+00	4.0361e+00	4.8273e+01	-7.5660e+00
	37	0.0000e+00	0.0000e+00	0.0000e+00	4.8321e+00	6.1009e+01	-7.4447e+00
182	521	0.0000e+00	0.0000e+00	0.0000e+00	4.2848e+00	-1.8889e+01	1.1043e+01
	520	0.0000e+00	0.0000e+00	0.0000e+00	-4.3942e+00	-5.1193e+01	7.0155e+00
	46	0.0000e+00	0.0000e+00	0.0000e+00	4.3931e-02	1.7093e+01	-9.4739e+00
	45	0.0000e+00	0.0000e+00	0.0000e+00	-2.3321e+00	3.7269e+01	-7.8802e+00
183	36	0.0000e+00	0.0000e+00	0.0000e+00	-1.4361e+01	3.9796e+01	6.5410e+00
	37	0.0000e+00	0.0000e+00	0.0000e+00	1.1530e+01	4.8682e+01	3.3691e+00
	520	0.0000e+00	0.0000e+00	0.0000e+00	-1.6597e+00	-4.8653e+01	-3.3972e+00
	521	0.0000e+00	0.0000e+00	0.0000e+00	2.3224e+00	-2.6595e+01	-2.8749e+00
184	466	0.0000e+00	0.0000e+00	0.0000e+00	-1.6350e+00	1.3381e+01	-3.7145e+00
	517	0.0000e+00	0.0000e+00	0.0000e+00	7.3362e+00	-1.1921e+01	1.0128e+00
	37	0.0000e+00	0.0000e+00	0.0000e+00	8.1953e+00	4.1049e+01	-6.0634e+00
	36	0.0000e+00	0.0000e+00	0.0000e+00	-7.4391e+00	3.7346e+01	-8.7622e+00
185	28	0.0000e+00	0.0000e+00	0.0000e+00	3.9696e+00	1.0616e+01	6.2080e+00
	586	0.0000e+00	0.0000e+00	0.0000e+00	-1.6353e+01	-3.7589e+01	1.0050e+01
	587	0.0000e+00	0.0000e+00	0.0000e+00	4.6168e+00	-2.5751e+01	-9.6858e+00
	518	0.0000e+00	0.0000e+00	0.0000e+00	-9.0607e+00	-2.8142e+01	-1.4026e+01

186	29	0.0000e+00	0.0000e+00	0.0000e+00	8.8502e+00	1.5385e+01	3.2962e+00
	28	0.0000e+00	0.0000e+00	0.0000e+00	4.3424e+00	1.2137e+01	1.2325e+00
	518	0.0000e+00	0.0000e+00	0.0000e+00	7.9450e+00	-3.8211e+01	-2.0119e+00
	517	0.0000e+00	0.0000e+00	0.0000e+00	2.0824e+00	-3.6001e+01	-1.3503e+00
187	26	0.0000e+00	0.0000e+00	0.0000e+00	6.2064e+00	5.9053e+00	-2.4467e+00
	27	0.0000e+00	0.0000e+00	0.0000e+00	3.4082e+00	7.8600e+00	6.1582e-01
	28	0.0000e+00	0.0000e+00	0.0000e+00	1.7013e+00	1.9200e+01	6.3651e-01
	29	0.0000e+00	0.0000e+00	0.0000e+00	1.1640e+01	2.1087e+01	-2.4260e+00
188	457	0.0000e+00	0.0000e+00	0.0000e+00	3.5941e-01	-7.9843e+00	-1.6627e+00
	462	0.0000e+00	0.0000e+00	0.0000e+00	4.5668e+00	-8.0334e+00	2.4025e+00
	27	0.0000e+00	0.0000e+00	0.0000e+00	2.9765e+00	4.7927e+00	1.0985e+00
	26	0.0000e+00	0.0000e+00	0.0000e+00	4.3594e+00	6.3212e+00	-2.5255e+00
189	516	0.0000e+00	0.0000e+00	0.0000e+00	-2.6418e+01	-2.7459e+01	-4.2487e+00
	29	0.0000e+00	0.0000e+00	0.0000e+00	1.9129e+01	1.0123e+01	-2.4860e-01
	517	0.0000e+00	0.0000e+00	0.0000e+00	-1.6099e+00	-3.5440e+01	6.2278e+00
	466	0.0000e+00	0.0000e+00	0.0000e+00	6.9894e+00	-4.5887e+00	-4.3984e+00
190	515	0.0000e+00	0.0000e+00	0.0000e+00	-6.7103e+00	1.1640e+01	-9.9253e+00
	26	0.0000e+00	0.0000e+00	0.0000e+00	1.7725e+01	-1.4024e+00	-1.5411e+00
	29	0.0000e+00	0.0000e+00	0.0000e+00	1.3269e+01	9.2354e+00	-6.0053e+00
	516	0.0000e+00	0.0000e+00	0.0000e+00	-2.7427e+01	-8.1780e+00	-6.8044e+00
191	454	0.0000e+00	0.0000e+00	0.0000e+00	-2.0087e+00	5.1060e+00	-4.6635e+00
	457	0.0000e+00	0.0000e+00	0.0000e+00	2.2590e+00	-4.1534e+00	-3.4684e+00
	26	0.0000e+00	0.0000e+00	0.0000e+00	6.1911e+00	-1.6607e+00	-9.4879e+00
	515	0.0000e+00	0.0000e+00	0.0000e+00	-1.5247e+01	-1.1777e+00	-4.0655e+00
192	31	0.0000e+00	0.0000e+00	0.0000e+00	8.2156e+00	2.2130e+00	-3.2977e+00
	463	0.0000e+00	0.0000e+00	0.0000e+00	-2.2659e+01	-1.3160e+01	5.9439e+00
	10	0.0000e+00	0.0000e+00	0.0000e+00	4.5753e+00	-1.6618e+01	2.1531e+00
	465	0.0000e+00	0.0000e+00	0.0000e+00	4.2105e+00	-2.6493e+01	-6.7685e+00
193	23	0.0000e+00	0.0000e+00	0.0000e+00	8.0538e+00	1.2010e+00	2.3240e+00
	513	0.0000e+00	0.0000e+00	0.0000e+00	-1.4739e+01	9.2821e+00	5.6473e+00
	463	0.0000e+00	0.0000e+00	0.0000e+00	-2.7098e+01	-1.9190e+00	3.5394e+00
	31	0.0000e+00	0.0000e+00	0.0000e+00	1.2762e+00	4.0555e+00	6.3255e+00
194	30	0.0000e+00	0.0000e+00	0.0000e+00	2.5147e+01	6.9638e+00	-3.2192e+00
	31	0.0000e+00	0.0000e+00	0.0000e+00	-1.3564e+00	7.3288e+00	-8.0504e+00
	465	0.0000e+00	0.0000e+00	0.0000e+00	4.2493e+00	-2.7900e+01	8.5645e-01
	512	0.0000e+00	0.0000e+00	0.0000e+00	1.9795e+01	-3.8386e+01	3.7983e+00
195	22	0.0000e+00	0.0000e+00	0.0000e+00	1.6794e+01	5.3190e+00	-3.0828e+00
	23	0.0000e+00	0.0000e+00	0.0000e+00	1.5273e+00	1.8137e+00	3.8010e+00
	31	0.0000e+00	0.0000e+00	0.0000e+00	-9.3507e-01	1.6311e+01	-3.7383e-01
	30	0.0000e+00	0.0000e+00	0.0000e+00	2.6815e+01	2.7304e+01	-7.3015e+00
196	418	0.0000e+00	0.0000e+00	0.0000e+00	3.5451e+00	-3.6342e+00	-6.4004e+00
	425	0.0000e+00	0.0000e+00	0.0000e+00	2.2404e+00	-5.9515e+00	4.1982e+00
	23	0.0000e+00	0.0000e+00	0.0000e+00	7.9630e-01	5.6206e+00	4.6061e+00
	22	0.0000e+00	0.0000e+00	0.0000e+00	1.0952e+01	1.0038e+01	-4.6776e+00
197	171	0.0000e+00	0.0000e+00	0.0000e+00	-4.0312e+01	-1.7100e+01	7.3637e-02
	30	0.0000e+00	0.0000e+00	0.0000e+00	3.2344e+01	5.3134e+00	8.9695e-01
	512	0.0000e+00	0.0000e+00	0.0000e+00	-1.9438e+00	-3.5951e+01	-5.0586e+00
	511	0.0000e+00	0.0000e+00	0.0000e+00	-1.4804e+01	-4.0814e+00	-6.6360e+00
198	415	0.0000e+00	0.0000e+00	0.0000e+00	-3.7328e+00	-1.1671e+00	-1.1329e+01
	418	0.0000e+00	0.0000e+00	0.0000e+00	3.1619e+00	3.5017e-02	-1.5163e+01
	22	0.0000e+00	0.0000e+00	0.0000e+00	2.1651e+01	8.4556e+00	-1.4637e+01
	21	0.0000e+00	0.0000e+00	0.0000e+00	-2.4182e+01	4.8093e+00	-1.0188e+01
199	398	0.0000e+00	0.0000e+00	0.0000e+00	1.7748e+00	-9.8426e+00	-7.5409e+00
	171	0.0000e+00	0.0000e+00	0.0000e+00	-3.9877e+01	-1.6932e+01	-6.8432e+00
	511	0.0000e+00	0.0000e+00	0.0000e+00	-1.5556e+01	-5.1237e+00	-1.2585e+01
	412	0.0000e+00	0.0000e+00	0.0000e+00	3.7300e+00	-1.8487e+00	-1.2866e+01
200	53	0.0000e+00	0.0000e+00	0.0000e+00	5.1398e-01	9.6296e+00	1.2197e+01

	415	0.0000e+00	0.0000e+00	0.0000e+00	-8.5204e+00	-1.4177e+00	-1.5037e+00
	21	0.0000e+00	0.0000e+00	0.0000e+00	-2.0489e+01	4.2171e+00	-2.1571e+00
	413	0.0000e+00	0.0000e+00	0.0000e+00	2.0693e+00	3.1752e+00	9.3538e+00
201	510	0.0000e+00	0.0000e+00	0.0000e+00	-2.2988e+00	-2.5219e+01	2.8697e+00
	491	0.0000e+00	0.0000e+00	0.0000e+00	6.7166e+00	-2.4141e+01	-6.3929e-01
	186	0.0000e+00	0.0000e+00	0.0000e+00	-1.5442e-01	-6.6347e+00	-9.1796e-01
	400	0.0000e+00	0.0000e+00	0.0000e+00	-9.4245e-01	-4.2176e+00	2.1537e+00
202	41	0.0000e+00	0.0000e+00	0.0000e+00	1.2847e+01	4.1743e+01	8.1973e+00
	43	0.0000e+00	0.0000e+00	0.0000e+00	-5.2114e+00	1.8784e+01	6.6523e+00
	491	0.0000e+00	0.0000e+00	0.0000e+00	3.0545e+00	-9.9593e+00	2.4141e+00
	510	0.0000e+00	0.0000e+00	0.0000e+00	3.9559e+00	-2.4773e+01	5.8636e+00
203	127	0.0000e+00	0.0000e+00	0.0000e+00	-2.4703e+01	-8.2823e+00	6.1269e+00
	42	0.0000e+00	0.0000e+00	0.0000e+00	3.7328e+01	4.8006e+01	4.2388e+00
	43	0.0000e+00	0.0000e+00	0.0000e+00	6.1935e+00	1.5479e+01	9.5326e+00
	41	0.0000e+00	0.0000e+00	0.0000e+00	3.0785e+00	5.4645e+01	1.1296e+01
204	509	0.0000e+00	0.0000e+00	0.0000e+00	-1.9838e+00	-2.1046e+01	4.0411e+00
	510	0.0000e+00	0.0000e+00	0.0000e+00	2.9458e+00	-2.5368e+01	3.0985e+00
	400	0.0000e+00	0.0000e+00	0.0000e+00	-1.7205e+00	-4.7472e+00	1.9557e-01
	399	0.0000e+00	0.0000e+00	0.0000e+00	7.3301e-02	-3.4131e+00	2.2206e+00
205	40	0.0000e+00	0.0000e+00	0.0000e+00	-9.7189e+00	3.6899e+01	-6.7501e-01
	41	0.0000e+00	0.0000e+00	0.0000e+00	5.0797e-02	4.5971e+01	3.4272e+00
	510	0.0000e+00	0.0000e+00	0.0000e+00	1.5363e+00	-1.4031e+01	1.0109e+01
	509	0.0000e+00	0.0000e+00	0.0000e+00	-1.5575e+00	-1.6822e+01	2.7597e+00
206	126	0.0000e+00	0.0000e+00	0.0000e+00	-1.0608e+01	-9.7878e+00	1.0114e-01
	127	0.0000e+00	0.0000e+00	0.0000e+00	-5.6535e-01	-9.4558e+00	1.3500e+00
	41	0.0000e+00	0.0000e+00	0.0000e+00	2.7612e+00	5.2320e+01	3.8820e+00
	40	0.0000e+00	0.0000e+00	0.0000e+00	-1.2390e+01	4.4460e+01	2.6331e+00
207	91	0.0000e+00	0.0000e+00	0.0000e+00	8.3198e+00	-2.7498e+00	3.9761e+00
	509	0.0000e+00	0.0000e+00	0.0000e+00	-1.0022e+01	-1.8650e+01	4.5191e+00
	399	0.0000e+00	0.0000e+00	0.0000e+00	-4.8769e+00	4.2614e-01	-6.9792e-01
	60	0.0000e+00	0.0000e+00	0.0000e+00	3.5323e+00	-1.8990e+00	-1.5407e+00
208	168	0.0000e+00	0.0000e+00	0.0000e+00	-1.6009e+01	1.7216e+00	-3.9819e+00
	40	0.0000e+00	0.0000e+00	0.0000e+00	8.1994e+00	4.0999e+01	-2.8649e+00
	509	0.0000e+00	0.0000e+00	0.0000e+00	-7.5485e+00	-1.4170e+01	8.6264e+00
	91	0.0000e+00	0.0000e+00	0.0000e+00	2.7585e+00	1.0181e-01	4.6850e+00
209	1	0.0000e+00	0.0000e+00	0.0000e+00	4.6676e+00	1.2601e+01	-8.7659e+00
	126	0.0000e+00	0.0000e+00	0.0000e+00	-1.3225e+01	-1.4458e+01	-7.7380e+00
	40	0.0000e+00	0.0000e+00	0.0000e+00	9.8079e+00	3.9997e+01	-3.8194e+00
	168	0.0000e+00	0.0000e+00	0.0000e+00	-1.6755e+01	1.4549e+00	-4.3801e+00
210	508	0.0000e+00	0.0000e+00	0.0000e+00	-2.2887e+00	-1.3748e+01	2.0981e+00
	476	0.0000e+00	0.0000e+00	0.0000e+00	-1.9512e+00	-1.5319e+01	3.6560e+00
	187	0.0000e+00	0.0000e+00	0.0000e+00	2.8016e-01	-4.6005e+00	2.9814e+00
	407	0.0000e+00	0.0000e+00	0.0000e+00	-1.9632e+00	-4.5087e+00	1.3952e+00
211	507	0.0000e+00	0.0000e+00	0.0000e+00	-1.7048e+01	-9.9340e+00	-3.2118e+00
	49	0.0000e+00	0.0000e+00	0.0000e+00	5.3983e-01	5.0341e-01	6.7685e-01
	476	0.0000e+00	0.0000e+00	0.0000e+00	-1.9356e+00	-1.2896e+01	2.7258e+00
	508	0.0000e+00	0.0000e+00	0.0000e+00	-4.8118e+00	-6.9002e+00	7.4156e-01
212	506	0.0000e+00	0.0000e+00	0.0000e+00	-3.5149e+01	3.3338e+01	-1.6227e+01
	45	0.0000e+00	0.0000e+00	0.0000e+00	2.4125e+01	5.2047e+01	-8.4537e+00
	49	0.0000e+00	0.0000e+00	0.0000e+00	-4.2874e+00	3.4837e+00	-2.2840e+00
	507	0.0000e+00	0.0000e+00	0.0000e+00	-1.4237e+01	5.3401e+00	-4.3810e+00
213	487	0.0000e+00	0.0000e+00	0.0000e+00	-2.1742e+00	-2.1707e+01	-2.3439e+00
	508	0.0000e+00	0.0000e+00	0.0000e+00	3.9780e-01	-1.4270e+01	-1.6094e+00
	407	0.0000e+00	0.0000e+00	0.0000e+00	1.2369e+00	-5.1367e+00	7.5908e-01
	406	0.0000e+00	0.0000e+00	0.0000e+00	-2.2573e+00	-4.3383e+00	8.6468e-01
214	48	0.0000e+00	0.0000e+00	0.0000e+00	3.2994e+00	3.5209e+00	-1.8915e+00
	507	0.0000e+00	0.0000e+00	0.0000e+00	-1.7166e+01	-9.2107e+00	1.9786e+00

	508	0.0000e+00	0.0000e+00	0.0000e+00	-2.6103e+00	-7.2570e+00	-1.5922e+00
	487	0.0000e+00	0.0000e+00	0.0000e+00	-1.2336e+00	-1.7353e+01	-2.6317e+00
215	44	0.0000e+00	0.0000e+00	0.0000e+00	2.7036e+01	4.8506e+01	1.0748e+01
	506	0.0000e+00	0.0000e+00	0.0000e+00	-3.1153e+01	3.3040e+01	1.8507e+01
	507	0.0000e+00	0.0000e+00	0.0000e+00	-1.6235e+01	5.2728e+00	4.4608e+00
	48	0.0000e+00	0.0000e+00	0.0000e+00	-5.7512e-01	8.3225e+00	3.3156e+00
216	491	0.0000e+00	0.0000e+00	0.0000e+00	-3.7506e+00	-2.5402e+01	-7.0591e-01
	487	0.0000e+00	0.0000e+00	0.0000e+00	4.3359e+00	-2.0391e+01	-3.0027e+00
	406	0.0000e+00	0.0000e+00	0.0000e+00	1.5689e-02	-5.0219e+00	-9.6731e-01
	186	0.0000e+00	0.0000e+00	0.0000e+00	-1.9882e+00	-4.4006e+00	5.0836e-01
217	43	0.0000e+00	0.0000e+00	0.0000e+00	4.8095e+00	1.0865e+01	1.7030e+00
	48	0.0000e+00	0.0000e+00	0.0000e+00	3.5378e+00	1.0043e+01	-2.8277e+00
	487	0.0000e+00	0.0000e+00	0.0000e+00	1.5206e+00	-1.4911e+01	-1.2407e+00
	491	0.0000e+00	0.0000e+00	0.0000e+00	-3.9351e-01	-1.4804e+01	1.7501e+00
218	42	0.0000e+00	0.0000e+00	0.0000e+00	5.9371e+00	4.4102e+01	1.8249e+00
	44	0.0000e+00	0.0000e+00	0.0000e+00	5.9489e+00	5.2091e+01	2.9713e+00
	48	0.0000e+00	0.0000e+00	0.0000e+00	7.6110e+00	1.2904e+01	3.0897e+00
	43	0.0000e+00	0.0000e+00	0.0000e+00	5.4372e+00	2.0158e+01	2.2081e+00
219	477	0.0000e+00	0.0000e+00	0.0000e+00	9.8110e-01	-1.3914e+01	6.2289e+00
	485	0.0000e+00	0.0000e+00	0.0000e+00	-1.1624e+00	-1.4715e+01	5.3443e+00
	61	0.0000e+00	0.0000e+00	0.0000e+00	-1.9329e+00	-1.1610e+01	4.3329e+00
	411	0.0000e+00	0.0000e+00	0.0000e+00	1.6990e-01	-1.0186e+01	5.2608e+00
220	51	0.0000e+00	0.0000e+00	0.0000e+00	-1.1978e+01	1.6393e+01	-7.5445e-01
	8	0.0000e+00	0.0000e+00	0.0000e+00	2.5504e+00	3.7508e+01	2.2598e+00
	485	0.0000e+00	0.0000e+00	0.0000e+00	1.9714e+00	-1.3653e+01	8.1015e+00
	477	0.0000e+00	0.0000e+00	0.0000e+00	-1.8402e+00	-2.3528e+00	2.7216e+00
221	47	0.0000e+00	0.0000e+00	0.0000e+00	8.3840e+00	4.7260e+01	-3.3724e+00
	7	0.0000e+00	0.0000e+00	0.0000e+00	-1.4756e+01	2.5256e+01	-3.0737e+00
	8	0.0000e+00	0.0000e+00	0.0000e+00	-1.1915e+00	4.0427e+01	-3.1905e+00
	51	0.0000e+00	0.0000e+00	0.0000e+00	-5.3750e+00	1.7936e+01	-2.9572e+00
222	473	0.0000e+00	0.0000e+00	0.0000e+00	1.9651e+00	-1.4059e+01	4.6441e+00
	477	0.0000e+00	0.0000e+00	0.0000e+00	-3.4060e+00	-1.5080e+01	4.8860e+00
	411	0.0000e+00	0.0000e+00	0.0000e+00	4.3832e-01	-8.4007e+00	4.3143e+00
	409	0.0000e+00	0.0000e+00	0.0000e+00	-1.2930e+00	-7.6371e+00	3.8855e+00
223	50	0.0000e+00	0.0000e+00	0.0000e+00	-3.3369e+00	8.8917e+00	1.6575e+00
	51	0.0000e+00	0.0000e+00	0.0000e+00	1.0422e+00	1.2370e+01	8.9173e-01
	477	0.0000e+00	0.0000e+00	0.0000e+00	-1.1142e+00	-7.5130e+00	2.7173e+00
	473	0.0000e+00	0.0000e+00	0.0000e+00	-9.3139e-01	-7.1681e+00	2.7251e+00
224	46	0.0000e+00	0.0000e+00	0.0000e+00	2.1651e+00	4.8578e+01	-1.7287e+00
	47	0.0000e+00	0.0000e+00	0.0000e+00	-2.7143e+00	4.4642e+01	-8.8359e-01
	51	0.0000e+00	0.0000e+00	0.0000e+00	1.1492e-01	1.9084e+01	-2.6885e-01
	50	0.0000e+00	0.0000e+00	0.0000e+00	3.6429e-01	1.3127e+01	-1.1139e+00
225	476	0.0000e+00	0.0000e+00	0.0000e+00	2.5579e+00	-1.3654e+01	4.3846e+00
	473	0.0000e+00	0.0000e+00	0.0000e+00	-1.7255e+00	-1.4697e+01	3.8807e+00
	409	0.0000e+00	0.0000e+00	0.0000e+00	1.1705e+00	-6.9254e+00	3.2744e+00
	187	0.0000e+00	0.0000e+00	0.0000e+00	-1.2727e+00	-6.7614e+00	3.9310e+00
226	49	0.0000e+00	0.0000e+00	0.0000e+00	8.9381e-01	4.4391e+00	2.4352e+00
	50	0.0000e+00	0.0000e+00	0.0000e+00	9.0126e-01	5.5556e+00	1.1635e+00
	473	0.0000e+00	0.0000e+00	0.0000e+00	2.4061e-01	-1.0498e+01	1.8608e+00
	476	0.0000e+00	0.0000e+00	0.0000e+00	-3.3722e-01	-1.1198e+01	2.7504e+00
227	45	0.0000e+00	0.0000e+00	0.0000e+00	4.2484e+00	5.3473e+01	-1.9844e+00
	46	0.0000e+00	0.0000e+00	0.0000e+00	-4.8973e+00	4.5938e+01	1.2873e+00
	50	0.0000e+00	0.0000e+00	0.0000e+00	-6.5259e-01	1.4426e+01	1.3189e+00
	49	0.0000e+00	0.0000e+00	0.0000e+00	3.9853e+00	6.7865e+00	-1.9527e+00
228	58	0.0000e+00	0.0000e+00	0.0000e+00	2.9100e-01	-3.3542e+00	-1.0503e+01
	1	0.0000e+00	0.0000e+00	0.0000e+00	-5.5263e+00	-5.2547e+00	-6.6466e+00
	464	0.0000e+00	0.0000e+00	0.0000e+00	1.8826e+01	1.6586e+01	1.2005e+00

421 0.0000e+00 0.0000e+00 0.0000e+00 -3.8396e+00 8.5753e+00 -2.9672e+00

SFORZI "#2 Accidentale cat A" (Fase 1)

Generato da analisi lunedì 11 aprile 2022 alle ore 15:46:51.

Elem	Nodo	N	Vy	Vz	Mx	My	Mz
15	583	0.0000e+00	-3.9097e+00	-4.4409e-16	1.2149e+02	-1.9895e-13	-2.5242e+02
	437	0.0000e+00	3.9097e+00	4.4409e-16	-1.2149e+02	1.7053e-13	-3.4105e+02
16	430	0.0000e+00	-7.1112e+00	4.4409e-16	6.8070e+02	0.0000e+00	-6.1975e+02
	583	0.0000e+00	7.1112e+00	-4.4409e-16	-6.8070e+02	1.1369e-13	-6.7303e+02
17	437	6.9278e-14	-4.0828e+01	-2.8422e-14	-4.3910e+02	0.0000e+00	-1.9467e+03
	133	-6.9278e-14	4.0828e+01	2.8422e-14	4.3910e+02	9.0949e-13	-2.8930e+03
18	428	0.0000e+00	5.2619e+02	0.0000e+00	7.7405e+01	9.0949e-13	3.5255e+04
	131	0.0000e+00	-5.2619e+02	0.0000e+00	-7.7405e+01	9.0949e-13	2.7202e+04
19	427	-1.1369e-13	-4.1328e+01	0.0000e+00	1.0892e+02	0.0000e+00	-3.3545e+03
	130	1.1369e-13	4.1328e+01	0.0000e+00	-1.0892e+02	0.0000e+00	-1.5538e+03
20	430	-2.8422e-14	4.0535e+02	0.0000e+00	-3.9711e+03	0.0000e+00	2.9203e+04
	132	2.8422e-14	-4.0535e+02	0.0000e+00	3.9711e+03	0.0000e+00	1.9061e+04
21	446	0.0000e+00	2.4857e+02	1.4211e-14	3.6116e+03	-9.0949e-13	1.8299e+04
	134	0.0000e+00	-2.4857e+02	-1.4211e-14	-3.6116e+03	-9.0949e-13	1.1475e+04
22	455	0.0000e+00	5.4075e+02	1.4211e-14	-3.7415e+02	9.0949e-13	3.6604e+04
	135	0.0000e+00	-5.4075e+02	-1.4211e-14	3.7415e+02	0.0000e+00	2.8270e+04
23	460	0.0000e+00	5.6623e+02	1.4211e-14	5.8274e+02	1.8190e-12	3.7228e+04
	136	0.0000e+00	-5.6623e+02	-1.4211e-14	-5.8274e+02	9.0949e-13	2.9915e+04
229	460	0.0000e+00	1.1101e-01	0.0000e+00	-1.0008e+03	-1.7053e-13	1.1341e+02
	25	0.0000e+00	-1.1101e-01	0.0000e+00	1.0008e+03	-5.6843e-14	-7.8423e+01
230	455	0.0000e+00	1.9839e+00	0.0000e+00	-7.8577e+01	-5.6843e-14	2.7423e+02
	460	0.0000e+00	-1.9839e+00	0.0000e+00	7.8577e+01	-5.6843e-14	3.2806e+02
231	446	0.0000e+00	1.5023e+00	0.0000e+00	-1.7572e+02	2.8422e-14	2.6952e+02
	455	0.0000e+00	-1.5023e+00	0.0000e+00	1.7572e+02	0.0000e+00	2.6256e+02
232	437	0.0000e+00	1.0275e+00	5.5511e-17	-2.9704e+02	-2.8422e-14	2.0611e+02
	446	0.0000e+00	-1.0275e+00	-5.5511e-17	2.9704e+02	-4.2633e-14	1.0581e+02
233	428	0.0000e+00	-1.6785e+00	-4.4409e-16	8.8295e+01	-2.8422e-14	-2.8978e+02
	430	0.0000e+00	1.6785e+00	4.4409e-16	-8.8295e+01	0.0000e+00	-2.5437e+02
234	427	0.0000e+00	-8.3101e-01	0.0000e+00	-5.3240e+02	1.1369e-13	-9.1056e+01
	428	0.0000e+00	8.3101e-01	0.0000e+00	5.3240e+02	1.1369e-13	-1.6123e+02
235	490	0.0000e+00	-4.1282e+00	-8.8818e-16	-1.5391e+01	0.0000e+00	-5.9449e+02
	427	0.0000e+00	4.1282e+00	8.8818e-16	1.5391e+01	0.0000e+00	-6.5673e+02
236	410	2.8422e-14	-5.1225e+00	-4.4409e-16	-9.6733e+02	-1.7053e-13	-4.9273e+02
	471	-2.8422e-14	5.1225e+00	4.4409e-16	9.6733e+02	0.0000e+00	-1.1218e+03
237	408	0.0000e+00	-3.4832e-02	0.0000e+00	1.3607e+02	5.6843e-14	-1.5511e+01
	410	0.0000e+00	3.4832e-02	0.0000e+00	-1.3607e+02	-5.6843e-14	4.9365e+00
238	405	8.5265e-14	1.3690e+00	1.1102e-16	-3.7109e+02	2.8422e-14	3.6567e+02
	408	-8.5265e-14	-1.3690e+00	-1.1102e-16	3.7109e+02	0.0000e+00	1.1922e+02
239	404	0.0000e+00	-7.2080e-02	1.1102e-16	-1.3475e+02	-2.8422e-14	-2.7201e+02
	405	0.0000e+00	7.2080e-02	-1.1102e-16	1.3475e+02	2.1316e-14	2.5013e+02
240	403	2.8422e-14	-1.6029e+00	1.6653e-16	3.9965e+02	-2.1316e-14	-1.5269e+02
	404	-2.8422e-14	1.6029e+00	-1.6653e-16	-3.9965e+02	2.8422e-14	-4.1503e+02
241	402	0.0000e+00	-5.8738e-01	8.8818e-16	-5.8933e+02	0.0000e+00	-9.2554e+01
	403	0.0000e+00	5.8738e-01	-8.8818e-16	5.8933e+02	0.0000e+00	-8.5767e+01
242	401	0.0000e+00	1.1084e-01	-8.8818e-16	4.4318e+02	0.0000e+00	8.8315e+01
	402	0.0000e+00	-1.1084e-01	8.8818e-16	-4.4318e+02	0.0000e+00	-5.4664e+01
243	470	0.0000e+00	4.2473e+00	8.8818e-16	7.5199e+03	-3.4106e-13	6.9381e+02

	401	0.0000e+00	-4.2473e+00	-8.8818e-16	-7.5199e+03	-1.1369e-13	5.9561e+02
244	158	4.2633e-14	2.5619e+03	8.8818e-16	-7.0002e+02	-1.1369e-13	1.9047e+05
	405	-4.2633e-14	2.6729e+03	-8.8818e-16	7.0002e+02	0.0000e+00	-2.1983e+05
245	152	2.8422e-14	2.5503e+03	8.8818e-16	-1.2838e+03	2.2737e-13	1.8853e+05
	403	-2.8422e-14	2.6861e+03	-8.8818e-16	1.2838e+03	0.0000e+00	-2.2446e+05
246	160	0.0000e+00	2.5519e+03	8.8818e-16	1.2563e+02	0.0000e+00	1.8964e+05
	410	0.0000e+00	2.6804e+03	-8.8818e-16	-1.2563e+02	0.0000e+00	-2.2360e+05
247	159	-2.8422e-14	2.5498e+03	-8.8818e-16	8.4919e+02	2.2737e-13	1.8833e+05
	408	2.8422e-14	2.6858e+03	8.8818e-16	-8.4919e+02	1.1369e-13	-2.2428e+05
248	157	1.1102e-14	2.5622e+03	8.8818e-16	-3.9863e+01	-1.1369e-13	1.9069e+05
	404	-1.1102e-14	2.6700e+03	-8.8818e-16	3.9863e+01	-2.2737e-13	-2.1920e+05
249	150	5.6843e-14	2.5102e+03	-4.4409e-16	-1.1179e+03	0.0000e+00	1.7337e+05
	402	-5.6843e-14	2.7246e+03	4.4409e-16	1.1179e+03	1.1369e-13	-2.3008e+05
250	149	5.6843e-14	2.5268e+03	4.4409e-16	-9.5163e+02	-1.1369e-13	1.7922e+05
	401	-5.6843e-14	2.7058e+03	-4.4409e-16	9.5163e+02	-3.4106e-13	-2.2653e+05
332	172	0.0000e+00	1.2423e+03	1.7764e-15	-1.0748e+03	2.2737e-13	7.0753e+04
	489	0.0000e+00	1.0835e+03	-1.7764e-15	1.0748e+03	2.2737e-13	-4.6029e+04
333	139	0.0000e+00	1.0428e+03	2.6645e-15	-5.5692e+02	0.0000e+00	4.0952e+04
	172	0.0000e+00	1.2953e+03	-2.6645e-15	5.5692e+02	-2.2737e-13	-8.0460e+04
334	179	-5.6843e-14	9.5334e+00	3.5527e-15	-1.9135e+03	-4.5475e-13	3.0780e+03
	57	5.6843e-14	-9.5334e+00	-3.5527e-15	1.9135e+03	-9.0949e-13	-1.0962e+02
335	259	1.1369e-13	-3.9982e+01	0.0000e+00	-3.4393e+03	-2.2737e-13	-6.2176e+03
	179	-1.1369e-13	3.9982e+01	0.0000e+00	3.4393e+03	0.0000e+00	-6.2968e+03
336	2	0.0000e+00	1.0819e+00	0.0000e+00	-1.0014e+03	-2.2737e-13	1.5815e+02
	3	0.0000e+00	-1.0819e+00	0.0000e+00	1.0014e+03	-1.1369e-13	8.3652e+01
337	54	5.6843e-14	-1.2439e+00	0.0000e+00	9.2044e+02	0.0000e+00	-3.7045e+00
	4	-5.6843e-14	1.2439e+00	0.0000e+00	-9.2044e+02	1.1369e-13	-2.7431e+02
338	56	0.0000e+00	7.1444e-01	8.8818e-16	-2.3573e+03	1.1369e-13	1.9852e+02
	55	0.0000e+00	-7.1444e-01	-8.8818e-16	2.3573e+03	0.0000e+00	-3.8839e+01
339	59	-1.1369e-13	6.9625e+02	-2.6645e-15	2.7744e+02	2.2737e-13	2.6008e+04
	57	1.1369e-13	6.9839e+02	2.6645e-15	-2.7744e+02	2.2737e-13	-2.6247e+04
340	71	-4.5475e-13	-2.4429e+02	-3.4106e-13	-9.3047e+02	0.0000e+00	-1.8583e+03
	68	4.5475e-13	2.4429e+02	3.4106e-13	9.3047e+02	9.0949e-13	-1.5964e+03
341	66	0.0000e+00	-2.4895e+02	-3.4106e-13	9.0179e+02	-9.0949e-13	-1.5261e+03
	69	0.0000e+00	2.4895e+02	3.4106e-13	-9.0179e+02	-3.6380e-12	-1.9945e+03
342	72	1.4211e-14	-3.2892e-01	3.3307e-16	-6.4699e+02	8.5265e-14	3.2252e+01
	73	-1.4211e-14	3.2892e-01	-3.3307e-16	6.4699e+02	1.1369e-13	-1.5790e+02
343	180	5.6843e-13	2.8719e+01	-1.1369e-13	1.0312e+03	1.8190e-12	-6.5209e+02
	72	-5.6843e-13	-2.8719e+01	1.1369e-13	-1.0312e+03	0.0000e+00	1.2613e+03
344	63	0.0000e+00	2.8719e+01	2.6645e-15	2.6808e+02	5.6843e-14	3.6058e+03
	180	0.0000e+00	-2.8719e+01	-2.6645e-15	-2.6808e+02	5.6843e-14	1.1903e+03
345	62	8.5265e-14	-3.7824e-01	1.3878e-17	-7.7071e+01	3.5527e-15	-9.4892e+00
	63	-8.5265e-14	3.7824e-01	-1.3878e-17	7.7071e+01	0.0000e+00	-9.2636e+01
346	65	2.2737e-13	-6.7893e+02	1.1369e-13	4.5705e+03	-2.7285e-12	-3.6200e+03
	62	-2.2737e-13	6.7893e+02	-1.1369e-13	-4.5705e+03	-3.6380e-12	-1.0782e+04
347	64	0.0000e+00	-4.6872e-03	-1.1102e-16	4.6970e+02	0.0000e+00	1.7351e+01
	65	0.0000e+00	4.6872e-03	1.1102e-16	-4.6970e+02	1.4211e-14	-1.9142e+01
348	249	-4.9738e-14	1.7393e+03	0.0000e+00	-3.8828e+02	0.0000e+00	7.8774e+04
	248	4.9738e-14	1.7383e+03	0.0000e+00	3.8828e+02	0.0000e+00	-7.8609e+04
349	233	-3.1974e-14	1.8172e+03	-4.4409e-16	-1.2590e+02	0.0000e+00	9.5456e+04

	249	3.1974e-14	1.6935e+03	4.4409e-16	1.2590e+02	0.0000e+00	-7.5796e+04
350	262	-2.0250e-13	9.5283e+02	-4.4409e-16	9.1969e+02	-5.6843e-14	6.3387e+04
	233	2.0250e-13	8.0253e+02	4.4409e-16	-9.1969e+02	0.0000e+00	-3.9489e+04
351	263	2.2027e-13	6.1389e+02	-1.1102e-16	1.8041e+03	-2.8422e-14	4.6052e+04
	262	-2.2027e-13	6.2631e+02	1.1102e-16	-1.8041e+03	-1.4211e-14	-4.8025e+04
352	264	-2.4869e-14	1.7386e+03	1.1102e-16	-2.0634e+03	2.8422e-14	8.0855e+04
	263	2.4869e-14	1.8494e+03	-1.1102e-16	2.0634e+03	2.8422e-14	-9.8876e+04
353	265	2.1316e-14	1.6042e+03	0.0000e+00	-6.1816e+02	0.0000e+00	5.8698e+04
	264	-2.1316e-14	1.9120e+03	0.0000e+00	6.1816e+02	0.0000e+00	-1.0772e+05
354	258	-3.9080e-14	1.1364e+03	0.0000e+00	5.9716e+03	-1.1369e-13	8.7867e+04
	265	3.9080e-14	5.9131e+02	0.0000e+00	-5.9716e+03	0.0000e+00	-2.5535e+03
355	243	5.0182e-14	7.9966e+02	0.0000e+00	-1.0563e+04	-2.2737e-13	3.2542e+04
	258	-5.0182e-14	9.1794e+02	0.0000e+00	1.0563e+04	-2.2737e-13	-5.0944e+04
356	260	-5.6843e-14	1.2243e+03	0.0000e+00	5.5174e+03	2.2737e-13	6.5731e+04
	259	5.6843e-14	1.1549e+03	0.0000e+00	-5.5174e+03	1.1369e-13	-5.4688e+04
357	65	2.2737e-13	9.1391e+02	3.5527e-15	-2.1785e+02	0.0000e+00	4.3393e+04
	260	-2.2737e-13	3.5348e+02	-3.5527e-15	2.1785e+02	1.1369e-13	4.1492e+03
358	257	0.0000e+00	1.1778e+03	1.7764e-15	8.1246e+02	0.0000e+00	5.9685e+04
	3	0.0000e+00	1.2153e+03	-1.7764e-15	-8.1246e+02	4.5475e-13	-6.5691e+04
359	261	2.8422e-14	1.1935e+03	1.7764e-15	-3.8830e+02	-2.2737e-13	6.3595e+04
	257	-2.8422e-14	1.1820e+03	-1.7764e-15	3.8830e+02	0.0000e+00	-6.1772e+04
360	72	-5.6843e-14	1.2623e+03	0.0000e+00	-6.5668e+02	-2.2737e-13	7.2891e+04
	261	5.6843e-14	1.1681e+03	0.0000e+00	6.5668e+02	1.1369e-13	-5.7567e+04
369	241	5.6843e-14	1.1863e+03	-1.7764e-15	1.9875e+02	0.0000e+00	6.1058e+04
	4	-5.6843e-14	1.2068e+03	1.7764e-15	-1.9875e+02	-2.2737e-13	-6.4341e+04
370	245	1.9895e-13	1.2011e+03	0.0000e+00	5.5573e+02	-2.2737e-13	6.4280e+04
	241	-1.9895e-13	1.1743e+03	0.0000e+00	-5.5573e+02	-2.2737e-13	-6.0018e+04
371	240	-5.6843e-14	6.3287e+02	0.0000e+00	-2.0804e+01	0.0000e+00	3.5651e+04
	245	5.6843e-14	6.0733e+02	0.0000e+00	2.0804e+01	0.0000e+00	-3.1589e+04
372	246	-2.8422e-14	6.1299e+02	-2.2204e-16	-4.9008e+00	5.6843e-14	3.2646e+04
	240	2.8422e-14	6.2721e+02	2.2204e-16	4.9008e+00	2.8422e-14	-3.4905e+04
373	242	-8.5265e-14	1.2126e+03	2.2204e-16	-9.5233e+02	0.0000e+00	6.5548e+04
	246	8.5265e-14	1.2152e+03	-2.2204e-16	9.5233e+02	0.0000e+00	-6.5977e+04
374	214	2.8422e-14	1.0179e+03	0.0000e+00	-1.2474e+04	1.1369e-13	4.2227e+04
	242	-2.8422e-14	1.3613e+03	0.0000e+00	1.2474e+04	0.0000e+00	-9.6918e+04
375	213	-8.5265e-14	9.5265e+02	-3.5527e-15	-1.1440e+04	4.5475e-13	1.2556e+04
	214	8.5265e-14	1.3855e+03	3.5527e-15	1.1440e+04	0.0000e+00	-8.0291e+04
376	55	2.2737e-13	1.6711e+03	1.7764e-15	2.5128e+04	0.0000e+00	1.4256e+05
	213	-2.2737e-13	6.5476e+02	-1.7764e-15	-2.5128e+04	0.0000e+00	1.5665e+04
385	179	0.0000e+00	-1.5387e+01	-3.3307e-16	-3.0649e+02	0.0000e+00	-3.4377e+03
	258	0.0000e+00	1.5387e+01	3.3307e-16	3.0649e+02	5.6843e-14	-4.5484e+03
386	253	0.0000e+00	3.4128e+01	0.0000e+00	2.8238e+03	0.0000e+00	4.8425e+03
	179	0.0000e+00	-3.4128e+01	0.0000e+00	-2.8238e+03	0.0000e+00	1.7614e+03
387	250	5.6843e-14	4.0086e+02	0.0000e+00	-1.9343e+03	-2.2737e-13	6.4595e+02
	72	-5.6843e-14	7.4777e+02	0.0000e+00	1.9343e+03	0.0000e+00	-3.1632e+04
388	70	1.4211e-13	3.6802e+02	0.0000e+00	-1.7981e+02	0.0000e+00	1.2498e+04
	73	-1.4211e-13	2.0866e+02	0.0000e+00	1.7981e+02	-1.1369e-13	-7.1594e+02
389	67	-1.7053e-13	3.2485e+02	-4.4409e-16	1.5746e+02	2.8422e-13	8.7596e+03
	70	1.7053e-13	3.4985e+02	4.4409e-16	-1.5746e+02	8.5265e-14	-1.0923e+04
390	64	-3.1264e-13	3.1800e+02	1.7764e-15	-1.4368e+02	-1.4211e-13	9.0724e+03

	67	3.1264e-13	2.5869e+02	-1.7764e-15	1.4368e+02	-2.2737e-13	-4.6878e+03
391	67	5.7732e-15	2.9624e+02	8.8818e-15	-5.0250e+03	2.2737e-13	2.6337e+04
	263	-5.7732e-15	-2.9624e+02	-8.8818e-15	5.0250e+03	1.1369e-13	2.3502e+04
392	73	0.0000e+00	1.6366e+02	-1.9540e-14	1.7470e+03	-1.2506e-12	1.2906e+04
	262	0.0000e+00	-1.6366e+02	1.9540e-14	-1.7470e+03	0.0000e+00	1.1997e+04
393	257	0.0000e+00	3.5752e+00	-1.1102e-15	1.6475e+02	1.4211e-13	5.1262e+02
	249	0.0000e+00	-3.5752e+00	1.1102e-15	-1.6475e+02	0.0000e+00	1.3429e+03
394	256	0.0000e+00	9.0268e+01	-1.0658e-14	-8.5725e+01	9.0949e-13	9.2128e+03
	257	0.0000e+00	-9.0268e+01	1.0658e-14	8.5725e+01	1.3642e-12	8.2540e+03
395	261	2.8422e-14	-1.5411e+00	-2.2204e-16	1.0692e+03	-1.9895e-13	-6.5314e+02
	233	-2.8422e-14	1.5411e+00	2.2204e-16	-1.0692e+03	5.6843e-14	-1.4668e+02
396	252	-1.1369e-13	9.4017e+01	-3.5527e-15	-6.8257e+01	4.5475e-13	9.0055e+03
	261	1.1369e-13	-9.4017e+01	3.5527e-15	6.8257e+01	-4.5475e-13	9.1868e+03
397	260	0.0000e+00	1.6699e+01	-8.8818e-16	1.0565e+03	3.4106e-13	4.4486e+03
	264	0.0000e+00	-1.6699e+01	8.8818e-16	-1.0565e+03	3.4106e-13	4.2181e+03
398	254	5.6843e-14	6.8525e+02	7.1054e-15	-1.9563e+02	9.0949e-13	2.3106e+04
	260	-5.6843e-14	5.5895e+02	-7.1054e-15	1.9563e+02	-1.8190e-12	-1.0887e+04
399	243	-5.6843e-14	1.2174e+01	2.7756e-17	2.1668e+03	-4.2633e-14	9.9295e+03
	55	5.6843e-14	-1.2174e+01	-2.7756e-17	-2.1668e+03	-5.6843e-14	-3.2701e+03
400	57	-5.6843e-14	1.6458e+03	4.4409e-16	2.9212e+03	5.6843e-14	1.4445e+05
	243	5.6843e-14	1.4368e+03	-4.4409e-16	-2.9212e+03	-2.8422e-14	-9.2833e+04
401	248	0.0000e+00	-3.1738e+01	5.5511e-17	1.2968e+03	2.8422e-14	-9.4818e+03
	4	0.0000e+00	3.1738e+01	-5.5511e-17	-1.2968e+03	3.5527e-14	-7.5620e+03
402	3	0.0000e+00	4.8807e+01	-1.6653e-16	-1.2222e+03	-2.8422e-14	1.2857e+04
	248	0.0000e+00	-4.8807e+01	1.6653e-16	1.2222e+03	0.0000e+00	1.1744e+04
403	241	0.0000e+00	-1.8490e+01	-1.0658e-14	-5.8717e+00	1.8190e-12	-3.5478e+03
	236	0.0000e+00	1.8490e+01	1.0658e-14	5.8717e+00	1.8190e-12	-3.0039e+01
404	249	0.0000e+00	-6.3646e+00	2.2204e-16	-3.7856e+01	1.7053e-13	-1.7874e+03
	241	0.0000e+00	6.3646e+00	-2.2204e-16	3.7856e+01	-1.8474e-13	-1.7259e+03
405	245	0.0000e+00	3.4365e+01	-3.5527e-15	-1.3634e+03	0.0000e+00	1.0568e+03
	244	0.0000e+00	-3.4365e+01	3.5527e-15	1.3634e+03	4.5475e-13	5.5929e+03
406	233	-2.8422e-14	-7.9657e+00	0.0000e+00	-6.0187e+02	-1.7053e-13	-1.9228e+03
	245	2.8422e-14	7.9657e+00	0.0000e+00	6.0187e+02	-1.4211e-13	-2.4743e+03
407	240	2.8422e-14	8.4683e+01	1.7764e-14	1.3794e+02	0.0000e+00	6.3068e+03
	238	-2.8422e-14	-8.4683e+01	-1.7764e-14	-1.3794e+02	9.0949e-13	1.0079e+04
408	262	0.0000e+00	-2.8687e+01	-2.7756e-17	-5.8184e+02	2.8422e-14	-7.9894e+03
	240	0.0000e+00	2.8687e+01	2.7756e-17	5.8184e+02	4.2633e-14	-7.8456e+03
409	246	-3.5527e-15	3.8975e+01	-1.4211e-14	1.2835e+03	-4.5475e-13	1.3903e+03
	239	3.5527e-15	-3.8975e+01	1.4211e-14	-1.2835e+03	-2.2737e-12	6.1514e+03
410	263	-4.4409e-16	-1.4019e+01	-1.1102e-15	1.2977e+03	-1.7053e-13	-4.4392e+03
	246	4.4409e-16	1.4019e+01	1.1102e-15	-1.2977e+03	-1.1369e-13	-3.2992e+03
411	242	0.0000e+00	3.4017e+01	-1.0658e-14	1.4474e+03	-4.5475e-13	3.1627e+02
	247	0.0000e+00	-3.4017e+01	1.0658e-14	-1.4474e+03	-9.0949e-13	6.2757e+03
412	264	-1.4211e-14	-8.4567e+00	-4.4409e-16	-2.2073e+02	2.2737e-13	-2.7374e+03
	242	1.4211e-14	8.4567e+00	4.4409e-16	2.2073e+02	1.9895e-13	-1.9307e+03
413	213	0.0000e+00	-1.3593e+03	2.8422e-14	-1.9981e+04	0.0000e+00	-1.1946e+05
	235	0.0000e+00	1.3593e+03	-2.8422e-14	1.9981e+04	9.0949e-13	-1.4356e+05
414	258	0.0000e+00	2.4813e+02	2.2204e-16	7.0109e+03	2.8422e-13	5.4796e+04
	213	0.0000e+00	-2.4813e+02	-2.2204e-16	-7.0109e+03	3.4106e-13	8.2169e+04
415	214	0.0000e+00	-1.8002e+03	-1.7764e-15	2.6509e+04	-2.2737e-13	-1.9649e+05

	234	0.0000e+00	1.8002e+03	1.7764e-15	-2.6509e+04	4.5475e-13	-1.5185e+05
416	265	0.0000e+00	6.0311e+02	-2.7756e-17	-1.1556e+04	-9.9476e-14	1.3746e+05
	214	0.0000e+00	-6.0311e+02	2.7756e-17	1.1556e+04	-9.2371e-14	1.9546e+05
417	259	0.0000e+00	1.5347e+03	0.0000e+00	-5.1380e+02	4.2633e-14	1.0455e+05
	265	0.0000e+00	1.7038e+03	0.0000e+00	5.1380e+02	5.6843e-14	-1.4844e+05
418	255	0.0000e+00	5.9961e+02	3.5527e-15	9.7261e+02	4.5475e-13	3.6781e+04
	259	0.0000e+00	6.0960e+02	-3.5527e-15	-9.7261e+02	-2.2737e-13	-3.7749e+04
419	177	2.1316e-13	1.3325e+01	0.0000e+00	-2.6864e+03	0.0000e+00	3.6269e+03
	81	-2.1316e-13	-1.3325e+01	0.0000e+00	2.6864e+03	2.2737e-13	5.2204e+02
420	301	0.0000e+00	-5.4454e+01	-8.8818e-16	-3.1153e+03	0.0000e+00	-9.1518e+03
	177	0.0000e+00	5.4454e+01	8.8818e-16	3.1153e+03	-1.1369e-13	-7.8924e+03
421	165	2.8422e-14	2.8220e-01	-1.3323e-15	-9.5835e+02	1.7053e-13	1.6803e+02
	164	-2.8422e-14	-2.8220e-01	1.3323e-15	9.5835e+02	-1.7053e-13	-1.0496e+02
422	125	0.0000e+00	7.2642e-01	-3.1086e-15	8.9820e+02	2.8422e-13	2.3019e+02
	124	0.0000e+00	-7.2642e-01	3.1086e-15	-8.9820e+02	5.6843e-14	-6.7832e+01
423	75	0.0000e+00	4.6603e-01	2.6645e-15	-2.3152e+03	2.5580e-13	2.3778e+02
	74	0.0000e+00	-4.6603e-01	-2.6645e-15	2.3152e+03	5.6843e-14	-1.3362e+02
424	80	-2.8422e-14	6.9895e+02	0.0000e+00	2.9904e+02	-4.5475e-13	2.6486e+04
	81	2.8422e-14	6.9569e+02	0.0000e+00	-2.9904e+02	-3.9790e-13	-2.6122e+04
425	112	-2.5011e-12	-1.2400e+02	-3.9790e-13	-1.5101e+02	-2.2737e-12	-1.1640e+03
	105	2.5011e-12	1.2400e+02	3.9790e-13	1.5101e+02	-3.1832e-12	-5.8960e+02
426	99	0.0000e+00	-3.6480e+02	-3.4106e-13	1.0448e+03	6.8212e-13	-2.4115e+03
	106	0.0000e+00	3.6480e+02	3.4106e-13	-1.0448e+03	2.2737e-12	-2.7475e+03
427	117	-1.0658e-14	-2.2647e-01	1.6653e-16	-6.8575e+02	-1.0658e-13	6.7221e+01
	118	1.0658e-14	2.2647e-01	-1.6653e-16	6.8575e+02	-1.2790e-13	-1.5373e+02
428	178	-6.2528e-13	3.5381e+01	-2.2737e-13	1.2420e+03	1.8190e-12	-9.0508e+02
	117	6.2528e-13	-3.5381e+01	2.2737e-13	-1.2420e+03	-4.5475e-13	1.6556e+03
429	93	-8.5265e-14	3.5381e+01	2.2204e-16	2.3824e+02	8.5265e-14	4.3904e+03
	178	8.5265e-14	-3.5381e+01	-2.2204e-16	-2.3824e+02	8.5265e-14	1.5182e+03
430	94	2.8422e-14	-1.0786e-01	-3.8164e-16	-2.8121e+01	-1.7764e-14	3.2621e+01
	93	-2.8422e-14	1.0786e-01	3.8164e-16	2.8121e+01	4.9738e-14	-6.1744e+01
431	86	5.6843e-13	-5.2774e+02	5.6843e-13	5.4773e+03	3.1832e-12	-1.6275e+03
	94	-5.6843e-13	5.2774e+02	-5.6843e-13	-5.4773e+03	4.0927e-12	-9.5677e+03
432	87	3.3751e-14	1.7104e-02	1.1102e-16	5.9077e+02	-4.2633e-14	2.9243e+01
	86	-3.3751e-14	-1.7104e-02	-1.1102e-16	-5.9077e+02	0.0000e+00	-2.2709e+01
433	298	-4.3521e-14	1.6826e+03	4.4409e-16	-4.0053e+02	0.0000e+00	6.9070e+04
	309	4.3521e-14	1.7950e+03	-4.4409e-16	4.0053e+02	0.0000e+00	-8.6780e+04
434	325	-2.1227e-13	1.8531e+03	-2.2204e-16	-8.8201e+00	-2.8422e-14	1.0061e+05
	298	2.1227e-13	1.6576e+03	2.2204e-16	8.8201e+00	2.8422e-14	-6.9526e+04
435	304	-1.6254e-13	9.9709e+02	-3.3307e-16	1.6149e+03	-2.8422e-14	7.0195e+04
	325	1.6254e-13	7.5827e+02	3.3307e-16	-1.6149e+03	0.0000e+00	-3.2223e+04
436	299	-3.0198e-14	5.7921e+02	2.2204e-16	2.1347e+03	-3.5527e-14	4.1944e+04
	304	3.0198e-14	6.6099e+02	-2.2204e-16	-2.1347e+03	4.2633e-14	-5.4946e+04
437	332	7.8160e-14	1.6922e+03	-3.3307e-16	-2.9451e+03	-2.8422e-14	7.2994e+04
	299	-7.8160e-14	1.8958e+03	3.3307e-16	2.9451e+03	-7.1054e-15	-1.0609e+05
438	333	-2.3981e-14	1.5780e+03	0.0000e+00	-1.7649e+03	5.6843e-14	5.3737e+04
	332	2.3981e-14	1.9382e+03	0.0000e+00	1.7649e+03	0.0000e+00	-1.1110e+05
439	306	6.7502e-14	1.2164e+03	2.2204e-16	5.5695e+03	1.4211e-13	9.9701e+04
	333	-6.7502e-14	5.1135e+02	-2.2204e-16	-5.5695e+03	1.1369e-13	1.0642e+04
440	316	5.2180e-14	8.0188e+02	4.4409e-16	-8.0853e+03	1.1369e-13	3.3143e+04

	306	-5.2180e-14	9.1573e+02	-4.4409e-16	8.0853e+03	2.2737e-13	-5.0855e+04
441	305	5.6843e-14	1.2285e+03	-8.8818e-16	5.8678e+03	-2.2737e-13	6.6623e+04
	301	-5.6843e-14	1.1507e+03	8.8818e-16	-5.8678e+03	-1.1369e-13	-5.4227e+04
442	86	-1.1369e-13	1.0221e+03	0.0000e+00	2.3806e+02	3.4106e-13	5.2578e+04
	305	1.1369e-13	2.4527e+02	0.0000e+00	-2.3806e+02	-3.4106e-13	1.3324e+04
443	311	1.4211e-14	1.1607e+03	-8.8818e-16	8.8213e+02	-2.2737e-13	5.6890e+04
	164	-1.4211e-14	1.2324e+03	8.8818e-16	-8.8213e+02	0.0000e+00	-6.8378e+04
444	312	9.9476e-14	1.1938e+03	0.0000e+00	-3.6386e+02	0.0000e+00	6.3588e+04
	311	-9.9476e-14	1.1816e+03	0.0000e+00	3.6386e+02	0.0000e+00	-6.1650e+04
445	117	-7.1054e-14	1.2775e+03	-2.6645e-15	-7.6813e+02	2.8422e-13	7.5263e+04
	312	7.1054e-14	1.1528e+03	2.6645e-15	7.6813e+02	2.2737e-13	-5.4970e+04
454	318	-1.7053e-13	1.1673e+03	1.7764e-15	-5.3733e+02	1.1369e-13	5.7938e+04
	124	1.7053e-13	1.2257e+03	-1.7764e-15	5.3733e+02	0.0000e+00	-6.7293e+04
455	322	-9.9476e-14	1.2058e+03	-4.4409e-16	5.6373e+02	-1.1369e-13	6.5128e+04
	318	9.9476e-14	1.1697e+03	4.4409e-16	-5.6373e+02	0.0000e+00	-5.9384e+04
456	327	-1.1369e-13	6.3711e+02	0.0000e+00	2.1541e+02	-5.6843e-14	3.6210e+04
	322	1.1369e-13	6.0309e+02	0.0000e+00	-2.1541e+02	5.6843e-14	-3.0802e+04
457	315	1.4211e-14	6.0330e+02	4.4409e-16	-2.4060e+02	5.6843e-14	3.0934e+04
	327	-1.4211e-14	6.3690e+02	-4.4409e-16	2.4060e+02	2.8422e-14	-3.6275e+04
458	328	1.4211e-13	1.1947e+03	-7.7716e-16	-9.4615e+02	-1.4211e-14	6.2456e+04
	315	-1.4211e-13	1.2330e+03	7.7716e-16	9.4615e+02	-2.8422e-14	-6.8684e+04
459	287	5.6843e-14	1.0311e+03	-4.4409e-16	-1.1083e+04	3.4106e-13	4.4212e+04
	328	-5.6843e-14	1.3481e+03	4.4409e-16	1.1083e+04	5.6843e-14	-9.4694e+04
460	270	2.8422e-14	9.5855e+02	3.5527e-15	-1.1342e+04	-2.2737e-13	1.4105e+04
	287	-2.8422e-14	1.3796e+03	-3.5527e-15	1.1342e+04	-1.1369e-13	-7.9994e+04
461	74	-8.5265e-14	1.6572e+03	-8.8818e-16	2.4570e+04	2.2737e-13	1.4087e+05
	270	8.5265e-14	6.6864e+02	8.8818e-16	-2.4570e+04	1.1369e-13	1.3036e+04
470	177	1.4211e-14	-1.3311e+01	2.7756e-16	-4.8691e+02	2.8422e-14	-3.6161e+03
	306	-1.4211e-14	1.3311e+01	-2.7756e-16	4.8691e+02	-1.5632e-13	-3.2925e+03
471	313	0.0000e+00	5.4468e+01	-2.6645e-14	3.6534e+03	2.2737e-13	7.5303e+03
	177	0.0000e+00	-5.4468e+01	2.6645e-14	-3.6534e+03	-1.1369e-12	3.0093e+03
472	303	-1.8474e-13	3.1800e+02	2.6645e-15	-1.6609e+03	3.4106e-13	-4.7542e+03
	117	1.8474e-13	8.3063e+02	-2.6645e-15	1.6609e+03	-2.2737e-13	-4.1033e+04
473	111	-2.7001e-13	3.7191e+02	7.1054e-15	-1.0131e+02	-2.2737e-13	1.2910e+04
	118	2.7001e-13	2.0478e+02	-7.1054e-15	1.0131e+02	-1.1369e-12	-5.5303e+02
474	100	-1.2790e-13	3.1744e+02	4.4409e-16	2.7755e+02	-1.1369e-13	8.0873e+03
	111	1.2790e-13	3.5726e+02	-4.4409e-16	-2.7755e+02	1.4211e-13	-1.1532e+04
475	87	2.2737e-13	3.2378e+02	4.8850e-15	-2.2273e+02	7.3896e-13	9.3828e+03
	100	-2.2737e-13	2.5291e+02	-4.8850e-15	2.2273e+02	-1.4211e-13	-4.1426e+03
476	100	9.9920e-14	4.0054e+02	6.6613e-15	-5.5417e+03	4.8317e-13	3.5801e+04
	299	-9.9920e-14	-4.0054e+02	-6.6613e-15	5.5417e+03	-3.4106e-13	3.1585e+04
477	118	-5.6843e-14	2.5800e+02	2.2204e-15	1.7242e+03	1.1369e-12	2.0739e+04
	304	5.6843e-14	-2.5800e+02	-2.2204e-15	-1.7242e+03	2.2169e-12	1.8519e+04
478	311	-2.8422e-14	6.4414e+00	6.6613e-16	1.5774e+02	7.1054e-14	1.2435e+03
	298	2.8422e-14	-6.4414e+00	-6.6613e-16	-1.5774e+02	2.8422e-14	2.0996e+03
479	307	0.0000e+00	1.0348e+02	-8.8818e-15	5.0014e+01	9.0949e-13	1.0194e+04
	311	0.0000e+00	-1.0348e+02	8.8818e-15	-5.0014e+01	2.0464e-12	9.8294e+03
480	312	-5.6843e-14	-8.8369e-01	-9.9920e-16	1.0919e+03	-1.4211e-14	-4.7448e+02
	325	5.6843e-14	8.8369e-01	9.9920e-16	-1.0919e+03	-5.6843e-14	1.5842e+01
481	300	2.8422e-14	1.0643e+02	-7.1054e-15	-9.5655e+01	-1.1369e-12	9.9587e+03

	312	-2.8422e-14	-1.0643e+02	7.1054e-15	9.5655e+01	-4.5475e-13	1.0636e+04
482	305	2.1316e-14	2.0138e+01	8.8818e-16	1.0489e+03	8.5265e-14	5.2808e+03
	332	-2.1316e-14	-2.0138e+01	-8.8818e-16	-1.0489e+03	1.9895e-13	5.1707e+03
483	302	1.4211e-14	6.8841e+02	1.0658e-14	-5.5340e+02	-4.5475e-13	2.3539e+04
	305	-1.4211e-14	5.5580e+02	-1.0658e-14	5.5340e+02	2.2737e-12	-1.0709e+04
484	316	2.8422e-14	-2.7457e+01	4.1633e-17	1.3417e+03	4.9738e-14	-2.2402e+03
	74	-2.8422e-14	2.7457e+01	-4.1633e-17	-1.3417e+03	3.9080e-14	-1.2779e+04
485	81	-2.8422e-14	1.6441e+03	-5.2736e-16	2.4753e+03	-5.6843e-14	1.4533e+05
	316	2.8422e-14	1.4385e+03	5.2736e-16	-2.4753e+03	3.5527e-14	-9.4547e+04
486	309	2.8422e-14	-4.6809e+01	4.1633e-17	1.5314e+03	-2.1316e-14	-1.3708e+04
	124	-2.8422e-14	4.6809e+01	-4.1633e-17	-1.5314e+03	-7.4607e-14	-1.1430e+04
487	164	0.0000e+00	7.5243e+01	-4.7184e-16	-1.3504e+03	2.4869e-14	1.9651e+04
	309	0.0000e+00	-7.5243e+01	4.7184e-16	1.3504e+03	-9.2371e-14	1.8273e+04
488	318	5.6843e-14	-6.7278e+01	8.8818e-15	-2.8071e+02	-2.2737e-13	-5.8607e+03
	317	-5.6843e-14	6.7278e+01	-8.8818e-15	2.8071e+02	-1.3642e-12	-7.1575e+03
489	298	-2.8422e-14	-4.7476e+00	2.2204e-16	5.4121e+01	-2.8422e-14	-1.6861e+03
	318	2.8422e-14	4.7476e+00	-2.2204e-16	-5.4121e+01	-1.4211e-14	-9.3456e+02
490	322	-2.8422e-14	-8.4064e+00	8.8818e-15	-1.0602e+03	1.3642e-12	-2.3530e+02
	324	2.8422e-14	8.4064e+00	-8.8818e-15	1.0602e+03	0.0000e+00	-1.3913e+03
491	325	-1.4211e-14	-5.9968e+00	1.6098e-15	-7.2673e+02	2.5580e-13	-1.8138e+03
	322	1.4211e-14	5.9968e+00	-1.6098e-15	7.2673e+02	3.6948e-13	-1.4965e+03
492	327	2.8422e-14	4.4062e+01	7.1054e-15	9.6189e-01	-4.5475e-13	5.1244e+03
	331	-2.8422e-14	-4.4062e+01	-7.1054e-15	-9.6189e-01	1.3642e-12	3.4016e+03
493	304	7.1054e-15	-2.8755e+01	-2.7756e-17	-6.2607e+02	-1.0658e-13	-1.0431e+04
	327	-7.1054e-15	2.8755e+01	2.7756e-17	6.2607e+02	-1.5987e-14	-5.4416e+03
494	315	4.5741e-14	-1.0351e+01	3.5527e-15	1.0526e+03	-2.2737e-13	-3.2628e+02
	319	-4.5741e-14	1.0351e+01	-3.5527e-15	-1.0526e+03	0.0000e+00	-1.6766e+03
495	299	-1.1102e-16	-1.4638e+01	3.3307e-16	1.7439e+03	5.6843e-14	-5.3580e+03
	315	1.1102e-16	1.4638e+01	-3.3307e-16	-1.7439e+03	1.5632e-13	-2.7223e+03
496	328	4.2633e-14	-5.9410e+01	5.3291e-15	7.2230e+02	-2.2737e-13	-5.2570e+03
	310	-4.2633e-14	5.9410e+01	-5.3291e-15	-7.2230e+02	2.2737e-13	-6.2557e+03
497	332	2.8422e-14	-7.8668e+00	-6.6613e-16	3.8875e+02	-4.5475e-13	-3.0438e+03
	328	-2.8422e-14	7.8668e+00	6.6613e-16	-3.8875e+02	-6.1107e-13	-1.2987e+03
498	270	1.1369e-13	-1.3896e+03	-7.1054e-15	-1.9198e+04	-2.2737e-12	-1.1503e+05
	323	-1.1369e-13	1.3896e+03	7.1054e-15	1.9198e+04	0.0000e+00	-1.5386e+05
499	306	1.4211e-14	2.3757e+02	1.3323e-15	6.7444e+03	-2.8422e-14	5.2618e+04
	270	-1.4211e-14	-2.3757e+02	-1.3323e-15	-6.7444e+03	-1.8474e-13	7.8520e+04
500	287	1.4211e-13	-1.8620e+03	-2.6645e-15	2.4922e+04	-3.4106e-13	-1.7759e+05
	329	-1.4211e-13	1.8620e+03	2.6645e-15	-2.4922e+04	-7.9581e-13	-1.8269e+05
501	333	-1.4211e-14	5.4870e+02	5.5511e-17	-1.0860e+04	9.9476e-14	1.2503e+05
	287	1.4211e-14	-5.4870e+02	-5.5511e-17	1.0860e+04	5.8620e-14	1.7785e+05
502	301	-1.4211e-14	1.5522e+03	2.4980e-16	-5.5815e+00	-2.1316e-14	1.0626e+05
	333	1.4211e-14	1.6864e+03	-2.4980e-16	5.5815e+00	1.4211e-14	-1.4109e+05
503	308	-2.8422e-14	7.2100e+02	3.5527e-15	2.5732e+02	-1.7053e-13	4.6715e+04
	301	2.8422e-14	4.8822e+02	-3.5527e-15	-2.5732e+02	-2.2737e-13	-2.4160e+04
504	173	0.0000e+00	1.4969e+01	-7.1054e-15	-2.5871e+03	0.0000e+00	4.0486e+03
	83	0.0000e+00	-1.4969e+01	7.1054e-15	2.5871e+03	2.7285e-12	6.1209e+02
505	350	2.2737e-13	-5.7643e+01	0.0000e+00	-3.3424e+03	0.0000e+00	-9.3787e+03
	173	-2.2737e-13	5.7643e+01	0.0000e+00	3.3424e+03	4.5475e-13	-8.6635e+03
506	174	0.0000e+00	4.8534e+00	2.8422e-14	-3.3674e+03	0.0000e+00	2.8314e+03

	85	0.0000e+00	-4.8534e+00	-2.8422e-14	3.3674e+03	-1.8190e-12	-1.3203e+03
507	453	2.2737e-13	-6.0504e+01	-7.1054e-15	-3.3087e+02	1.8190e-12	-1.1757e+04
	174	-2.2737e-13	6.0504e+01	7.1054e-15	3.3087e+02	0.0000e+00	-7.1802e+03
508	122	-4.5475e-13	7.7163e+01	-3.5527e-15	-1.1639e+03	0.0000e+00	1.3006e+04
	461	4.5475e-13	-7.7163e+01	3.5527e-15	1.1639e+03	4.5475e-13	1.2099e+04
509	475	0.0000e+00	1.2894e+03	2.2204e-16	1.3429e+03	-5.6843e-14	1.0815e+05
	471	0.0000e+00	1.2524e+03	-2.2204e-16	-1.3429e+03	-8.5265e-14	-9.8652e+04
510	484	2.8422e-14	-2.2852e+01	0.0000e+00	-2.3934e+02	4.5475e-13	-5.5462e+02
	482	-2.8422e-14	2.2852e+01	0.0000e+00	2.3934e+02	4.5475e-13	-2.1750e+03
511	486	0.0000e+00	-8.6017e-01	-7.0256e-17	-2.1933e+01	1.5987e-14	-3.3420e+02
	484	0.0000e+00	8.6017e-01	7.0256e-17	2.1933e+01	2.3093e-14	-1.4922e+02
512	161	0.0000e+00	9.1577e+00	-7.1054e-15	-3.0223e+03	0.0000e+00	5.0805e+03
	486	0.0000e+00	-9.1577e+00	7.1054e-15	3.0223e+03	-4.5475e-13	-3.9953e+03
513	483	-8.5265e-14	1.2714e+03	3.3307e-16	-4.2236e+02	-5.6843e-14	1.0863e+05
	470	8.5265e-14	1.2705e+03	-3.3307e-16	4.2236e+02	-8.5265e-14	-1.0840e+05
514	490	-3.4106e-13	1.1173e+02	0.0000e+00	3.1700e+03	0.0000e+00	6.4017e+03
	488	3.4106e-13	-1.1173e+02	0.0000e+00	-3.1700e+03	0.0000e+00	5.1623e+03
515	479	0.0000e+00	-2.8114e+00	0.0000e+00	-1.7628e+03	-2.2737e-13	-7.8416e+02
	478	0.0000e+00	2.8114e+00	0.0000e+00	1.7628e+03	-1.1369e-13	1.5581e+02
516	475	0.0000e+00	6.2323e+00	8.8818e-16	1.4127e+03	-1.7053e-13	8.9362e+02
	474	0.0000e+00	-6.2323e+00	-8.8818e-16	-1.4127e+03	0.0000e+00	4.9929e+02
517	483	-5.6843e-14	1.0651e+00	-8.8818e-16	-7.4880e+02	-2.8422e-13	3.1107e+01
	482	5.6843e-14	-1.0651e+00	8.8818e-16	7.4880e+02	-2.2737e-13	2.0693e+02
518	488	1.1369e-13	5.2101e+00	0.0000e+00	1.4395e+03	0.0000e+00	-3.6064e+02
	489	-1.1369e-13	-5.2101e+00	0.0000e+00	-1.4395e+03	0.0000e+00	1.5251e+03
519	497	-2.2737e-13	-3.1511e+02	0.0000e+00	-1.9301e+03	9.0949e-13	-2.7233e+03
	498	2.2737e-13	3.1511e+02	0.0000e+00	1.9301e+03	0.0000e+00	-1.7331e+03
520	495	4.5475e-13	-2.4296e+02	4.5475e-13	1.4455e+03	1.8190e-12	-1.9242e+03
	499	-4.5475e-13	2.4296e+02	-4.5475e-13	-1.4455e+03	9.0949e-13	-1.5117e+03
521	503	1.4211e-14	-5.7297e-01	-5.5511e-16	-1.6745e+03	0.0000e+00	-5.0770e+02
	504	-1.4211e-14	5.7297e-01	5.5511e-16	1.6745e+03	0.0000e+00	2.8883e+02
522	502	0.0000e+00	1.9377e+03	1.1369e-13	-1.3896e+04	-1.8190e-12	1.8895e+04
	503	0.0000e+00	-1.9377e+03	-1.1369e-13	1.3896e+04	-1.8190e-12	2.2210e+04
523	501	0.0000e+00	-2.4290e+01	-4.4409e-16	5.3006e+02	-5.6843e-14	3.3259e+02
	502	0.0000e+00	2.4290e+01	4.4409e-16	-5.3006e+02	5.6843e-14	-4.3890e+03
524	500	0.0000e+00	-1.2936e-01	1.8041e-16	-2.3148e+01	-1.4211e-14	-5.1495e+01
	501	0.0000e+00	1.2936e-01	-1.8041e-16	2.3148e+01	-1.4211e-14	1.6568e+01
525	492	4.5475e-13	-1.1418e+03	0.0000e+00	9.5120e+03	0.0000e+00	-9.2173e+03
	500	-4.5475e-13	1.1418e+03	0.0000e+00	-9.5120e+03	1.8190e-12	-1.5003e+04
526	493	-1.0658e-14	2.5988e-01	-1.1102e-16	8.5869e+02	-2.8422e-14	-9.7794e+01
	492	1.0658e-14	-2.5988e-01	1.1102e-16	-8.5869e+02	-2.8422e-14	1.9707e+02
527	489	-2.8422e-14	-5.7538e+00	0.0000e+00	5.4762e+02	-5.6843e-14	-2.9080e+02
	161	2.8422e-14	5.7538e+00	0.0000e+00	-5.4762e+02	-5.6843e-14	-2.5516e+03
528	167	0.0000e+00	5.7518e-01	1.7764e-15	-8.9195e+02	-6.8212e-13	2.2313e+02
	166	0.0000e+00	-5.7518e-01	-1.7764e-15	8.9195e+02	-2.2737e-13	-9.4581e+01
529	129	0.0000e+00	2.6914e-02	-3.5527e-15	8.3802e+02	-6.8212e-13	1.4906e+02
	128	0.0000e+00	-2.6914e-02	3.5527e-15	-8.3802e+02	-2.2737e-13	-1.4304e+02
530	77	2.2737e-13	4.1026e-01	3.5527e-15	-2.1329e+03	-6.8212e-13	2.4155e+02
	76	-2.2737e-13	-4.1026e-01	-3.5527e-15	2.1329e+03	-4.5475e-13	-1.4986e+02
531	82	4.5475e-13	6.9668e+02	3.5527e-15	3.1397e+02	-2.2737e-13	2.6242e+04

	83	-4.5475e-13	6.9796e+02	-3.5527e-15	-3.1397e+02	-4.5475e-13	-2.6385e+04
532	114	0.0000e+00	-8.1597e+01	0.0000e+00	6.5483e+01	-1.8190e-12	-1.0009e+03
	107	0.0000e+00	8.1597e+01	0.0000e+00	-6.5483e+01	0.0000e+00	-1.5302e+02
533	101	9.0949e-13	-3.0403e+02	2.2737e-13	4.5781e+02	-7.2760e-12	-1.9302e+03
	108	-9.0949e-13	3.0403e+02	-2.2737e-13	-4.5781e+02	5.4570e-12	-2.3694e+03
534	119	0.0000e+00	-2.4574e-01	2.2204e-16	-8.0907e+02	5.6843e-14	7.0693e+01
	121	0.0000e+00	2.4574e-01	-2.2204e-16	8.0907e+02	-1.7053e-13	-1.6457e+02
535	176	9.0949e-13	3.4187e+01	-4.5475e-13	1.0599e+03	3.6380e-12	-6.7871e+02
	119	-9.0949e-13	-3.4187e+01	4.5475e-13	-1.0599e+03	-3.6380e-12	1.4039e+03
536	95	-1.1369e-13	3.4187e+01	-3.5527e-15	2.6957e+02	2.2737e-13	4.4798e+03
	176	1.1369e-13	-3.4187e+01	3.5527e-15	-2.6957e+02	1.1369e-13	1.2294e+03
537	96	-5.6843e-14	-1.4997e-01	2.7756e-16	-1.0475e+01	-9.9476e-14	2.5947e+01
	95	5.6843e-14	1.4997e-01	-2.7756e-16	1.0475e+01	1.4211e-14	-6.6440e+01
538	88	9.0949e-13	-4.3739e+02	-9.0949e-13	5.2707e+03	1.0914e-11	-4.4242e+02
	96	-9.0949e-13	4.3739e+02	9.0949e-13	-5.2707e+03	7.2760e-12	-8.8359e+03
539	89	-5.6843e-14	6.1870e-02	-1.3323e-15	6.1391e+02	5.6843e-14	4.1839e+01
	88	5.6843e-14	-6.1870e-02	1.3323e-15	-6.1391e+02	-2.2737e-13	-1.8204e+01
540	170	0.0000e+00	-3.6429e-01	3.5527e-15	-2.4854e+02	-4.5475e-13	9.4970e+01
	169	0.0000e+00	3.6429e-01	-3.5527e-15	2.4854e+02	-4.5475e-13	-1.7639e+02
541	163	0.0000e+00	1.2322e-01	-3.5527e-15	1.5210e+02	4.5475e-13	1.2683e+02
	162	0.0000e+00	-1.2322e-01	3.5527e-15	-1.5210e+02	4.5475e-13	-9.9289e+01
542	79	4.5475e-13	-1.0111e-01	0.0000e+00	6.0614e+02	0.0000e+00	1.7169e+02
	78	-4.5475e-13	1.0111e-01	0.0000e+00	-6.0614e+02	0.0000e+00	-1.9428e+02
543	84	0.0000e+00	1.1344e+00	7.1054e-15	4.8087e+02	4.5475e-13	3.1544e+02
	85	0.0000e+00	-1.1344e+00	-7.1054e-15	-4.8087e+02	4.5475e-13	-6.1904e+01
544	116	-2.8514e+00	-5.5681e+01	-9.5028e+00	-2.6905e+00	3.7430e+02	-3.9624e+02
	109	2.8514e+00	5.5681e+01	9.5028e+00	2.6905e+00	-2.3991e+02	-3.9121e+02
545	103	3.7722e+00	-1.0038e+02	-4.1236e+00	3.1419e+02	4.9279e+02	-5.8176e+02
	110	-3.7722e+00	1.0038e+02	4.1236e+00	-3.1419e+02	-4.3447e+02	-8.3781e+02
546	122	5.6843e-14	-1.3698e-01	4.4409e-16	-1.1460e+01	-2.2737e-13	4.8703e+01
	123	-5.6843e-14	1.3698e-01	-4.4409e-16	1.1460e+01	-3.4106e-13	-1.0103e+02
547	175	1.8190e-12	6.1041e+01	9.0949e-13	3.2011e+03	0.0000e+00	-2.8727e+03
	122	-1.8190e-12	-6.1041e+01	-9.0949e-13	-3.2011e+03	0.0000e+00	4.1675e+03
548	97	0.0000e+00	6.1041e+01	-3.5527e-15	2.3224e+02	4.5475e-13	5.8991e+03
	175	0.0000e+00	-6.1041e+01	3.5527e-15	-2.3224e+02	0.0000e+00	4.2948e+03
549	98	1.1369e-13	-1.0556e-01	-1.6653e-16	1.7917e+01	-2.8422e-14	4.6159e+01
	97	-1.1369e-13	1.0556e-01	1.6653e-16	-1.7917e+01	-8.5265e-14	-7.4662e+01
550	90	1.8190e-12	-2.0395e+02	4.5475e-13	6.4795e+03	7.2760e-12	3.1311e+03
	98	-1.8190e-12	2.0395e+02	-4.5475e-13	-6.4795e+03	7.2760e-12	-7.4576e+03
551	92	2.8422e-14	1.4484e-01	4.4409e-16	6.7083e+02	1.1369e-13	4.1053e+01
	90	-2.8422e-14	-1.4484e-01	-4.4409e-16	-6.7083e+02	-1.1369e-13	1.4275e+01
552	429	3.9790e-13	-2.0205e+02	0.0000e+00	-5.6125e+02	0.0000e+00	-3.5195e+04
	442	-3.9790e-13	2.0205e+02	0.0000e+00	5.6125e+02	0.0000e+00	-2.8450e+04
553	435	2.4869e-13	1.3287e+02	0.0000e+00	6.9361e+01	0.0000e+00	1.2000e+04
	429	-2.4869e-13	-1.3287e+02	0.0000e+00	-6.9361e+01	0.0000e+00	3.0252e+04
554	458	2.3448e-13	1.7079e+02	0.0000e+00	2.3208e+03	2.2737e-13	3.2341e+04
	435	-2.3448e-13	-1.7079e+02	0.0000e+00	-2.3208e+03	0.0000e+00	2.1970e+04
555	467	-1.3145e-13	-9.7328e+01	1.7764e-15	3.6891e+03	1.1369e-13	-4.4554e+03
	458	1.3145e-13	9.7328e+01	-1.7764e-15	-3.6891e+03	2.2737e-13	-2.6495e+04
556	449	-3.5527e-15	-1.6353e+02	-8.8818e-16	-4.8050e+03	1.7053e-13	-2.7380e+04

	467	3.5527e-15	1.6353e+02	8.8818e-16	4.8050e+03	1.1369e-13	-2.5768e+04
557	447	-8.8818e-14	-1.0180e+02	0.0000e+00	-1.9780e+03	2.2737e-13	-2.9187e+04
	449	8.8818e-14	1.0180e+02	0.0000e+00	1.9780e+03	-2.2737e-13	-3.2366e+03
558	445	-3.3751e-13	3.1197e+02	-3.5527e-15	-3.8574e+02	4.5475e-13	4.2960e+04
	447	3.3751e-13	-3.1197e+02	3.5527e-15	3.8574e+02	4.5475e-13	5.4688e+04
559	456	-2.4158e-13	2.3665e+01	7.1054e-15	1.8608e+03	-1.8190e-12	1.1222e+04
	445	2.4158e-13	-2.3665e+01	-7.1054e-15	-1.8608e+03	-9.0949e-13	-3.8581e+03
560	452	0.0000e+00	2.6937e+01	3.5527e-15	2.0934e+03	-9.0949e-13	2.9470e+03
	453	0.0000e+00	-2.6937e+01	-3.5527e-15	-2.0934e+03	4.5475e-13	5.6323e+03
561	90	4.5475e-13	4.2505e+02	-7.1054e-15	3.1403e+03	1.8190e-12	3.7208e+04
	452	-4.5475e-13	-4.2505e+02	7.1054e-15	-3.1403e+03	4.5475e-13	3.4909e+04
562	424	0.0000e+00	-6.2581e+01	-1.4211e-14	1.6904e+03	0.0000e+00	-9.6325e+03
	169	0.0000e+00	6.2581e+01	1.4211e-14	-1.6904e+03	1.8190e-12	-1.0416e+04
563	461	-2.2737e-13	3.7511e+00	0.0000e+00	-4.3121e+02	0.0000e+00	-5.0858e+02
	424	2.2737e-13	-3.7511e+00	0.0000e+00	4.3121e+02	9.0949e-13	1.7014e+03
572	420	0.0000e+00	-5.9212e+01	0.0000e+00	-6.6242e+02	0.0000e+00	-9.2101e+03
	162	0.0000e+00	5.9212e+01	0.0000e+00	6.6242e+02	0.0000e+00	-9.7586e+03
573	436	0.0000e+00	3.0193e+01	0.0000e+00	5.9125e+02	0.0000e+00	4.3541e+03
	420	0.0000e+00	-3.0193e+01	0.0000e+00	-5.9125e+02	0.0000e+00	5.2472e+03
574	431	0.0000e+00	2.5025e+01	-3.5527e-15	5.8190e+02	-9.0949e-13	4.1745e+03
	436	0.0000e+00	-2.5025e+01	3.5527e-15	-5.8190e+02	-1.8190e-12	3.7835e+03
575	440	0.0000e+00	-2.7553e+01	1.7764e-15	-7.2160e+02	0.0000e+00	-4.1382e+03
	431	0.0000e+00	2.7553e+01	-1.7764e-15	7.2160e+02	-2.2737e-13	-4.6235e+03
576	422	0.0000e+00	-3.7154e+01	-1.7764e-15	-6.7241e+02	0.0000e+00	-6.0730e+03
	440	0.0000e+00	3.7154e+01	1.7764e-15	6.7241e+02	-1.5916e-12	-6.0021e+03
577	416	0.0000e+00	-1.7217e+01	-1.4211e-14	7.4884e+02	4.5475e-13	-3.2849e+03
	422	0.0000e+00	1.7217e+01	1.4211e-14	-7.4884e+02	0.0000e+00	-2.1988e+03
578	426	0.0000e+00	1.5210e+01	7.1054e-15	1.5515e+03	9.0949e-13	9.3199e+01
	416	0.0000e+00	-1.5210e+01	-7.1054e-15	-1.5515e+03	0.0000e+00	4.6676e+03
579	78	0.0000e+00	3.9987e+01	-2.8422e-14	-5.7823e+02	-3.6380e-12	9.2876e+03
	426	0.0000e+00	-3.9987e+01	2.8422e-14	5.7823e+02	-3.6380e-12	3.1629e+03
588	174	0.0000e+00	2.7671e-01	8.8818e-16	-2.7564e+02	2.2737e-13	-1.7504e+03
	445	0.0000e+00	-2.7671e-01	-8.8818e-16	2.7564e+02	-2.2737e-13	1.8940e+03
589	432	0.0000e+00	6.5634e+01	0.0000e+00	3.9142e+03	-5.4570e-12	8.0536e+03
	174	0.0000e+00	-6.5634e+01	0.0000e+00	-3.9142e+03	-5.4570e-12	4.6466e+03
590	439	-2.2737e-13	-1.8491e+02	0.0000e+00	-2.6413e+03	0.0000e+00	-8.7194e+03
	122	2.2737e-13	1.8491e+02	0.0000e+00	2.6413e+03	-9.0949e-13	-2.4312e+04
591	115	-2.2737e-13	7.4425e+01	1.4211e-14	-1.7952e+02	3.6380e-12	5.2811e+03
	123	2.2737e-13	-7.4425e+01	-1.4211e-14	1.7952e+02	0.0000e+00	5.7239e+03
592	104	-2.2737e-13	-3.6323e+01	1.4211e-14	5.2941e+02	-1.8190e-12	-2.5949e+03
	115	2.2737e-13	3.6323e+01	-1.4211e-14	-5.2941e+02	0.0000e+00	-3.6889e+03
593	92	-5.6843e-13	5.7291e+01	1.0658e-14	-3.6426e+02	3.4106e-13	3.7942e+03
	104	5.6843e-13	-5.7291e+01	-1.0658e-14	3.6426e+02	1.8190e-12	4.6773e+03
594	104	1.8474e-13	4.1439e+02	-2.1316e-14	-4.4503e+03	1.5916e-12	3.8975e+04
	467	-1.8474e-13	-4.1439e+02	2.1316e-14	4.4503e+03	4.5475e-13	3.0742e+04
595	123	0.0000e+00	2.9894e+02	7.1054e-15	6.4970e+02	4.3201e-12	2.4581e+04
	458	0.0000e+00	-2.9894e+02	-7.1054e-15	-6.4970e+02	4.0927e-12	2.0906e+04
596	424	0.0000e+00	3.6957e+00	2.2204e-15	2.1062e+02	0.0000e+00	2.8826e+02
	429	0.0000e+00	-3.6957e+00	-2.2204e-15	-2.1062e+02	-4.5475e-13	1.6298e+03
598	461	0.0000e+00	-3.2113e+00	-2.2204e-15	6.3676e+02	-2.2737e-13	-1.3093e+03

	435	0.0000e+00	3.2113e+00	2.2204e-15	-6.3676e+02	-2.2737e-13	-3.5741e+02
599	459	0.0000e+00	7.8907e+01	2.8422e-14	8.3740e+01	0.0000e+00	7.6040e+03
	461	0.0000e+00	-7.8907e+01	-2.8422e-14	-8.3740e+01	1.8190e-12	7.6645e+03
600	452	-5.6843e-14	1.0056e+01	-3.5527e-15	5.8961e+01	-1.1369e-13	2.1181e+03
	449	5.6843e-14	-1.0056e+01	3.5527e-15	-5.8961e+01	-4.5475e-13	3.1009e+03
601	423	-2.2737e-13	3.7232e+01	2.8422e-14	-1.4226e+03	3.6380e-12	4.4110e+03
	452	2.2737e-13	-3.7232e+01	-2.8422e-14	1.4226e+03	3.6380e-12	2.7933e+03
602	456	0.0000e+00	-1.0063e+02	-2.2204e-16	-1.2063e+03	-5.6843e-14	-2.7464e+04
	78	0.0000e+00	1.0063e+02	2.2204e-16	1.2063e+03	-2.8422e-14	-2.7580e+04
603	85	4.5475e-13	4.4250e+01	-1.1102e-15	8.3488e+02	-2.2737e-13	1.0384e+04
	456	-4.5475e-13	-4.4250e+01	1.1102e-15	-8.3488e+02	-4.5475e-13	1.1475e+04
604	442	-4.5475e-13	-6.0029e+01	0.0000e+00	1.4297e+03	1.1369e-13	-1.7479e+04
	162	4.5475e-13	6.0029e+01	0.0000e+00	-1.4297e+03	5.6843e-14	-1.4759e+04
605	169	0.0000e+00	8.6245e+01	0.0000e+00	-1.1942e+03	5.6843e-14	2.2712e+04
	442	0.0000e+00	-8.6245e+01	0.0000e+00	1.1942e+03	-2.2737e-13	2.0757e+04
606	420	0.0000e+00	-5.6585e+01	0.0000e+00	-5.0200e+02	0.0000e+00	-5.5659e+03
	419	0.0000e+00	5.6585e+01	0.0000e+00	5.0200e+02	0.0000e+00	-5.3833e+03
607	429	0.0000e+00	-4.9955e+00	-1.3323e-15	1.1291e+02	-2.2737e-13	-1.7283e+03
	420	0.0000e+00	4.9955e+00	1.3323e-15	-1.1291e+02	-1.1369e-13	-1.0292e+03
608	436	4.5475e-13	-4.6124e+00	0.0000e+00	2.6276e+02	-3.6380e-12	-2.2728e+02
	443	-4.5475e-13	4.6124e+00	0.0000e+00	-2.6276e+02	-1.8190e-12	-6.6521e+02
609	435	1.1369e-13	-5.7162e+00	4.4409e-16	-8.5361e+02	2.2737e-13	-1.7156e+03
	436	-1.1369e-13	5.7162e+00	-4.4409e-16	8.5361e+02	2.2737e-13	-1.4398e+03
610	431	0.0000e+00	8.9373e+01	0.0000e+00	-9.6761e+01	9.0949e-13	1.2303e+04
	417	0.0000e+00	-8.9373e+01	0.0000e+00	9.6761e+01	9.0949e-13	4.9903e+03
611	458	0.0000e+00	-4.7812e+01	4.4409e-16	-4.0868e+02	-1.1369e-13	-1.5931e+04
	431	0.0000e+00	4.7812e+01	-4.4409e-16	4.0868e+02	-1.7053e-13	-1.0461e+04
612	440	-8.5265e-14	-8.0395e+00	0.0000e+00	-4.7797e+01	5.4570e-12	-2.0691e+02
	438	8.5265e-14	8.0395e+00	0.0000e+00	4.7797e+01	5.4570e-12	-1.3487e+03
613	467	-2.8422e-14	-1.6875e+01	-4.4409e-16	1.1677e+03	-2.2737e-13	-6.2936e+03
	440	2.8422e-14	1.6875e+01	4.4409e-16	-1.1677e+03	-3.4106e-13	-3.0213e+03
614	422	-4.5475e-13	-9.5122e+01	0.0000e+00	-1.1234e+03	-1.8190e-12	-8.2419e+03
	448	4.5475e-13	9.5122e+01	0.0000e+00	1.1234e+03	0.0000e+00	-1.0191e+04
615	449	5.6843e-14	-9.2809e+00	0.0000e+00	1.0770e+03	6.8212e-13	-3.2829e+03
	422	-5.6843e-14	9.2809e+00	0.0000e+00	-1.0770e+03	7.9581e-13	-1.8402e+03
616	426	4.5475e-13	1.5283e+01	0.0000e+00	-2.5781e+03	1.8190e-12	5.3226e+03
	433	-4.5475e-13	-1.5283e+01	0.0000e+00	2.5781e+03	1.8190e-12	-2.3654e+03
617	445	2.2737e-13	-9.4947e+00	0.0000e+00	7.0217e+02	2.2737e-13	-1.8952e+03
	426	-2.2737e-13	9.4947e+00	0.0000e+00	-7.0217e+02	1.1369e-13	-3.3459e+03
618	416	4.5475e-13	-2.7072e+01	-1.4211e-14	-1.9907e+03	0.0000e+00	1.5877e+04
	434	-4.5475e-13	2.7072e+01	1.4211e-14	1.9907e+03	0.0000e+00	-2.1115e+04
619	447	0.0000e+00	-5.9500e+01	-2.2204e-16	-6.0811e+02	-5.6843e-14	-1.6164e+04
	416	0.0000e+00	5.9500e+01	2.2204e-16	6.0811e+02	0.0000e+00	-1.6680e+04
620	453	-2.2737e-13	-2.3092e+00	4.4409e-16	1.4060e+03	-2.8422e-14	-1.1396e+04
	447	2.2737e-13	2.3092e+00	-4.4409e-16	-1.4060e+03	-1.1369e-13	1.0197e+04
621	468	0.0000e+00	3.8556e+02	1.4211e-14	-2.0779e+03	-9.0949e-13	3.2732e+04
	453	0.0000e+00	-3.8556e+02	-1.4211e-14	2.0779e+03	-2.7285e-12	4.1984e+04
622	364	-2.8422e-13	1.6779e+03	0.0000e+00	-4.5160e+02	0.0000e+00	6.6301e+04
	363	2.8422e-13	1.7997e+03	0.0000e+00	4.5160e+02	0.0000e+00	-8.5498e+04
623	382	-3.1264e-13	1.8535e+03	1.7764e-15	-2.5303e+01	0.0000e+00	1.0031e+05

	364	3.1264e-13	1.6573e+03	-1.7764e-15	2.5303e+01	0.0000e+00	-6.9112e+04
624	339	-1.5632e-13	1.0108e+03	8.8818e-16	1.8286e+03	1.1369e-13	7.2539e+04
	382	1.5632e-13	7.4455e+02	-8.8818e-16	-1.8286e+03	0.0000e+00	-3.0204e+04
625	334	-3.0553e-13	5.7607e+02	6.6613e-16	2.1318e+03	1.1369e-13	4.2909e+04
	339	3.0553e-13	6.6413e+02	-6.6613e-16	-2.1318e+03	1.1369e-13	-5.6910e+04
626	378	7.8160e-14	1.6716e+03	-2.2204e-16	-2.9777e+03	-8.5265e-14	6.8748e+04
	334	-7.8160e-14	1.9164e+03	2.2204e-16	2.9777e+03	0.0000e+00	-1.0854e+05
627	384	8.5265e-14	1.5616e+03	0.0000e+00	-1.1381e+03	0.0000e+00	5.0445e+04
	378	-8.5265e-14	1.9547e+03	0.0000e+00	1.1381e+03	2.2737e-13	-1.1304e+05
628	362	5.6843e-14	1.2444e+03	1.7764e-15	6.4082e+03	2.2737e-13	1.0461e+05
	384	-5.6843e-14	4.8338e+02	-1.7764e-15	-6.4082e+03	2.2737e-13	1.4492e+04
629	347	1.6520e-13	7.9807e+02	0.0000e+00	-1.0325e+04	4.5475e-13	3.1422e+04
	362	-1.6520e-13	9.1953e+02	0.0000e+00	1.0325e+04	0.0000e+00	-5.0319e+04
630	338	-2.2737e-13	1.2370e+03	3.5527e-15	6.3439e+03	0.0000e+00	6.7433e+04
	350	2.2737e-13	1.1422e+03	-3.5527e-15	-6.3439e+03	0.0000e+00	-5.2325e+04
631	88	-4.5475e-13	1.0633e+03	-2.8422e-14	-7.6715e+01	9.0949e-13	5.6411e+04
	338	4.5475e-13	2.0412e+02	2.8422e-14	7.6715e+01	-4.5475e-13	1.6472e+04
632	356	1.1369e-13	1.1574e+03	0.0000e+00	8.4420e+02	-9.0949e-13	5.5945e+04
	166	-1.1369e-13	1.2356e+03	0.0000e+00	-8.4420e+02	-9.0949e-13	-6.8480e+04
633	348	-1.1369e-13	1.1941e+03	0.0000e+00	-3.6402e+02	9.0949e-13	6.3775e+04
	356	1.1369e-13	1.1814e+03	0.0000e+00	3.6402e+02	0.0000e+00	-6.1755e+04
634	119	0.0000e+00	1.2845e+03	-1.7764e-15	-7.6506e+02	0.0000e+00	7.6133e+04
	348	0.0000e+00	1.1458e+03	1.7764e-15	7.6506e+02	2.2737e-13	-5.3580e+04
643	381	1.1369e-13	1.1635e+03	7.1054e-15	-4.1583e+02	0.0000e+00	5.6956e+04
	128	-1.1369e-13	1.2296e+03	-7.1054e-15	4.1583e+02	0.0000e+00	-6.7542e+04
644	376	0.0000e+00	1.2035e+03	0.0000e+00	6.3981e+02	0.0000e+00	6.4649e+04
	381	0.0000e+00	1.1720e+03	0.0000e+00	-6.3981e+02	0.0000e+00	-5.9649e+04
645	373	0.0000e+00	6.3500e+02	-1.7764e-15	1.5624e+02	0.0000e+00	3.6007e+04
	376	0.0000e+00	6.0520e+02	1.7764e-15	-1.5624e+02	0.0000e+00	-3.1268e+04
646	361	1.1369e-13	6.0344e+02	1.7764e-15	-1.2060e+02	0.0000e+00	3.1120e+04
	373	-1.1369e-13	6.3676e+02	-1.7764e-15	1.2060e+02	0.0000e+00	-3.6417e+04
647	375	3.4106e-13	1.1982e+03	-1.7764e-15	-1.0556e+03	-3.4106e-13	6.3116e+04
	361	-3.4106e-13	1.2295e+03	1.7764e-15	1.0556e+03	-2.2737e-13	-6.8207e+04
648	369	1.1369e-13	1.0155e+03	-5.3291e-15	-1.1808e+04	0.0000e+00	4.1918e+04
	375	-1.1369e-13	1.3637e+03	5.3291e-15	1.1808e+04	4.5475e-13	-9.7357e+04
649	388	-1.1369e-13	9.5583e+02	3.5527e-15	-1.1183e+04	-9.0949e-13	1.2829e+04
	369	1.1369e-13	1.3823e+03	-3.5527e-15	1.1183e+04	-1.8190e-12	-7.9568e+04
650	76	0.0000e+00	1.6763e+03	-7.1054e-15	2.5124e+04	0.0000e+00	1.4340e+05
	388	0.0000e+00	6.4962e+02	7.1054e-15	-2.5124e+04	-9.0949e-13	1.6425e+04
659	173	-1.1369e-13	-1.5894e+01	0.0000e+00	-5.6451e+02	-1.7053e-13	-3.9383e+03
	362	1.1369e-13	1.5894e+01	0.0000e+00	5.6451e+02	-1.1369e-13	-4.3108e+03
660	353	0.0000e+00	5.6717e+01	2.8422e-14	3.9304e+03	9.0949e-13	7.9899e+03
	173	0.0000e+00	-5.6717e+01	-2.8422e-14	-3.9304e+03	3.6380e-12	2.9849e+03
661	355	2.2737e-13	2.7843e+02	-7.1054e-15	-1.5297e+03	-9.0949e-13	-7.6137e+03
	119	-2.2737e-13	8.7021e+02	7.1054e-15	1.5297e+03	0.0000e+00	-4.5243e+04
662	113	-3.4106e-13	3.7795e+02	-7.1054e-15	-4.8984e+01	0.0000e+00	1.3331e+04
	121	3.4106e-13	1.9873e+02	7.1054e-15	4.8984e+01	0.0000e+00	-8.0540e+01
663	102	-2.2737e-13	3.1516e+02	1.7764e-15	2.7679e+02	0.0000e+00	7.8893e+03
	113	2.2737e-13	3.5954e+02	-1.7764e-15	-2.7679e+02	2.2737e-13	-1.1729e+04
664	89	-3.4106e-13	3.2910e+02	-1.2434e-14	-2.3302e+02	5.6843e-13	9.7106e+03

	102	3.4106e-13	2.4759e+02	1.2434e-14	2.3302e+02	-2.2737e-13	-3.6843e+03
665	102	3.0198e-14	4.5164e+02	-1.4211e-14	-6.0061e+03	4.5475e-13	4.0143e+04
	334	-3.0198e-14	-4.5164e+02	1.4211e-14	6.0061e+03	2.5011e-12	3.5842e+04
666	121	1.1369e-13	3.0349e+02	3.5527e-14	1.9293e+03	7.9581e-13	2.4312e+04
	339	-1.1369e-13	-3.0349e+02	-3.5527e-14	-1.9293e+03	-9.0949e-13	2.1867e+04
667	356	0.0000e+00	8.0067e+00	-4.4409e-16	1.2507e+02	0.0000e+00	1.6504e+03
	364	0.0000e+00	-8.0067e+00	4.4409e-16	-1.2507e+02	-3.4106e-13	2.5051e+03
668	367	0.0000e+00	1.1734e+02	-1.4211e-14	1.1278e+02	-9.0949e-13	1.1670e+04
	356	0.0000e+00	-1.1734e+02	1.4211e-14	-1.1278e+02	-1.8190e-12	1.1035e+04
669	348	-5.6843e-14	2.4671e-02	8.8818e-16	1.2527e+03	0.0000e+00	-2.4229e+02
	382	5.6843e-14	-2.4671e-02	-8.8818e-16	-1.2527e+03	-2.2737e-13	2.5509e+02
670	349	0.0000e+00	1.1712e+02	0.0000e+00	-2.0523e+02	-1.8190e-12	1.1015e+04
	348	0.0000e+00	-1.1712e+02	0.0000e+00	2.0523e+02	-1.8190e-12	1.1648e+04
671	338	0.0000e+00	2.3576e+01	-8.8818e-16	1.2568e+03	-3.4106e-13	6.2758e+03
	378	0.0000e+00	-2.3576e+01	8.8818e-16	-1.2568e+03	0.0000e+00	5.9602e+03
672	368	0.0000e+00	6.8731e+02	0.0000e+00	-5.5216e+02	-1.8190e-12	2.2905e+04
	338	0.0000e+00	5.5689e+02	0.0000e+00	5.5216e+02	0.0000e+00	-1.0287e+04
673	347	1.1369e-13	-2.9310e+01	1.1102e-16	2.1895e+03	8.5265e-14	-1.7893e+03
	76	-1.1369e-13	2.9310e+01	-1.1102e-16	-2.1895e+03	-2.8422e-14	-1.4243e+04
674	83	0.0000e+00	1.6577e+03	-3.3307e-16	2.9282e+03	-1.4211e-13	1.4716e+05
	347	0.0000e+00	1.4248e+03	3.3307e-16	-2.9282e+03	-5.6843e-14	-8.9639e+04
675	363	-1.1369e-13	-5.3935e+01	3.3307e-16	1.5282e+03	0.0000e+00	-1.5807e+04
	128	1.1369e-13	5.3935e+01	-3.3307e-16	-1.5282e+03	0.0000e+00	-1.3158e+04
676	166	0.0000e+00	8.6858e+01	-1.1102e-16	-1.2781e+03	-1.1369e-13	2.2637e+04
	363	0.0000e+00	-8.6858e+01	1.1102e-16	1.2781e+03	-1.1369e-13	2.1142e+04
677	381	0.0000e+00	-7.3171e+01	0.0000e+00	-2.7627e+02	-3.6380e-12	-6.7741e+03
	380	0.0000e+00	7.3171e+01	0.0000e+00	2.7627e+02	-5.4570e-12	-7.3845e+03
678	364	0.0000e+00	-5.7560e+00	1.3323e-15	7.8046e+01	0.0000e+00	-1.9444e+03
	381	0.0000e+00	5.7560e+00	-1.3323e-15	-7.8046e+01	5.6843e-13	-1.2329e+03
679	376	2.2737e-13	-6.3187e+00	1.4211e-14	-1.4292e+03	9.0949e-13	-5.2967e+02
	370	-2.2737e-13	6.3187e+00	-1.4211e-14	1.4292e+03	9.0949e-13	-6.9299e+02
680	382	0.0000e+00	-7.3623e+00	-3.1086e-15	-6.4601e+02	4.5475e-13	-2.1249e+03
	376	0.0000e+00	7.3623e+00	3.1086e-15	6.4601e+02	6.2528e-13	-1.9391e+03
681	373	1.1369e-13	5.3482e+01	0.0000e+00	1.0041e+01	9.0949e-13	5.5594e+03
	383	-1.1369e-13	-5.3482e+01	0.0000e+00	-1.0041e+01	1.8190e-12	4.7893e+03
682	339	-5.6843e-14	-3.2266e+01	-4.4409e-16	-6.7436e+02	-5.6843e-14	-1.1531e+04
	373	5.6843e-14	3.2266e+01	4.4409e-16	6.7436e+02	-1.4211e-14	-6.2796e+03
683	361	6.2172e-14	-7.7983e+00	0.0000e+00	1.3173e+03	1.8190e-12	-7.4281e+02
	371	-6.2172e-14	7.7983e+00	0.0000e+00	-1.3173e+03	0.0000e+00	-7.6615e+02
684	334	-4.7073e-14	-1.6307e+01	-2.2204e-15	1.8059e+03	-1.3642e-12	-5.7874e+03
	361	4.7073e-14	1.6307e+01	2.2204e-15	-1.8059e+03	-9.6634e-13	-3.2140e+03
685	375	-1.1369e-13	-5.1420e+01	1.4211e-14	1.3393e+03	2.7285e-12	-5.5494e+03
	354	1.1369e-13	5.1420e+01	-1.4211e-14	-1.3393e+03	2.7285e-12	-4.4149e+03
686	378	5.6843e-14	-1.0049e+01	0.0000e+00	1.5637e+02	6.8212e-13	-3.6596e+03
	375	-5.6843e-14	1.0049e+01	0.0000e+00	-1.5637e+02	2.2737e-13	-1.8874e+03
687	388	4.5475e-13	-1.3634e+03	-2.8422e-14	-2.0781e+04	-5.4570e-12	-1.1757e+05
	386	-4.5475e-13	1.3634e+03	2.8422e-14	2.0781e+04	-1.8190e-12	-1.4624e+05
688	362	-1.1369e-13	2.4207e+02	2.2204e-15	7.2441e+03	-2.2737e-13	5.3123e+04
	388	1.1369e-13	-2.4207e+02	-2.2204e-15	-7.2441e+03	-1.7053e-13	8.0502e+04
689	369	-2.2737e-13	-1.8226e+03	7.1054e-15	2.6099e+04	0.0000e+00	-1.8835e+05

	385	2.2737e-13	1.8226e+03	-7.1054e-15	-2.6099e+04	-4.5475e-13	-1.6433e+05
690	384	-5.6843e-14	5.7516e+02	2.2204e-16	-1.1551e+04	5.6843e-14	1.2977e+05
	369	5.6843e-14	-5.7516e+02	-2.2204e-16	1.1551e+04	-1.4211e-14	1.8772e+05
691	350	0.0000e+00	1.5393e+03	2.2204e-16	-3.9223e+02	-2.8422e-14	1.0318e+05
	384	0.0000e+00	1.6993e+03	-2.2204e-16	3.9223e+02	-5.6843e-14	-1.4470e+05
692	352	-4.5475e-13	7.5452e+02	-7.1054e-15	8.8738e+02	-4.5475e-13	5.1166e+04
	350	4.5475e-13	4.5469e+02	7.1054e-15	-8.8738e+02	0.0000e+00	-2.2115e+04
693	172	5.6843e-14	3.2427e+01	-8.8818e-16	-4.7495e+02	1.1369e-13	7.7307e+03
	141	-5.6843e-14	-3.2427e+01	8.8818e-16	4.7495e+02	2.2737e-13	9.0990e+03
694	130	1.1369e-13	-7.8902e+01	1.4211e-14	1.0652e+03	0.0000e+00	-6.1723e+03
	172	-1.1369e-13	7.8902e+01	-1.4211e-14	-1.0652e+03	0.0000e+00	-9.0952e+03
695	171	2.6489e+03	5.6447e+01	4.3073e-01	5.3334e+01	-1.6695e+03	1.0430e+04
	172	-2.6489e+03	-5.6447e+01	-4.3073e-01	-5.3334e+01	1.5274e+03	8.1972e+03
696	134	5.6843e-14	4.5873e+02	-1.4211e-14	3.9294e+03	-9.0949e-13	4.3145e+03
	503	-5.6843e-14	6.8097e+02	1.4211e-14	-3.9294e+03	9.0949e-13	-2.4165e+04
697	496	8.5265e-14	6.2029e+02	-2.6645e-15	7.4289e+02	0.0000e+00	1.8419e+04
	504	-8.5265e-14	4.7393e+02	2.6645e-15	-7.4289e+02	1.7053e-13	-7.5985e+03
698	494	2.8422e-14	6.3262e+02	-1.1102e-15	4.3488e+01	1.4211e-13	1.7319e+04
	496	-2.8422e-14	6.4758e+02	1.1102e-15	-4.3488e+01	-9.9476e-14	-1.8613e+04
699	493	0.0000e+00	5.3706e+02	3.7748e-15	-3.9669e+02	-2.4869e-13	1.2203e+04
	494	0.0000e+00	5.5716e+02	-3.7748e-15	3.9669e+02	5.6843e-14	-1.3688e+04
700	494	4.2633e-14	1.3032e+02	0.0000e+00	-2.6700e+03	1.1369e-13	1.2121e+04
	144	-4.2633e-14	-1.3032e+02	0.0000e+00	2.6700e+03	0.0000e+00	9.8044e+03
701	504	-2.8422e-14	1.7758e+01	0.0000e+00	2.5409e+03	-1.1369e-13	2.8519e+03
	145	2.8422e-14	-1.7758e+01	0.0000e+00	-2.5409e+03	0.0000e+00	-1.4974e+02
702	137	-5.6843e-14	-1.2925e+00	-4.4409e-16	-2.6472e+02	2.2737e-13	-8.9520e+02
	147	5.6843e-14	1.2925e+00	4.4409e-16	2.6472e+02	2.2737e-13	2.2437e+02
703	136	1.1369e-13	2.0094e+01	0.0000e+00	4.7887e+01	9.0949e-13	-1.2319e+03
	137	-1.1369e-13	-2.0094e+01	0.0000e+00	-4.7887e+01	9.0949e-13	5.1200e+03
704	138	0.0000e+00	-8.8119e+00	0.0000e+00	4.6190e+01	2.2737e-13	-2.5015e+03
	146	0.0000e+00	8.8119e+00	0.0000e+00	-4.6190e+01	2.2737e-13	-2.0719e+03
705	135	-5.6843e-14	3.0856e+01	0.0000e+00	-4.7276e+01	0.0000e+00	-1.0978e+03
	138	5.6843e-14	-3.0856e+01	0.0000e+00	4.7276e+01	0.0000e+00	7.0684e+03
706	140	1.4211e-14	1.7261e+01	-8.8818e-16	2.1564e+03	2.2737e-13	5.1354e+03
	143	-1.4211e-14	-1.7261e+01	8.8818e-16	-2.1564e+03	2.2737e-13	3.8231e+03
707	132	8.5265e-14	6.6272e+02	0.0000e+00	-2.0999e+03	9.0949e-13	1.7956e+04
	140	-8.5265e-14	5.7181e+02	0.0000e+00	2.0999e+03	9.0949e-13	-9.1599e+03
708	161	5.6843e-14	-1.1863e+01	-1.2533e-16	-1.0978e+03	5.3291e-14	-4.0530e+03
	482	-5.6843e-14	1.1863e+01	1.2533e-16	1.0978e+03	4.6185e-14	-2.4359e+03
709	579	-2.2737e-13	2.5429e+02	-7.1054e-15	5.6223e+03	-4.5475e-13	1.3479e+04
	161	2.2737e-13	-2.5429e+02	7.1054e-15	-5.6223e+03	-9.0949e-13	6.1299e+03
710	25	2.2737e-13	7.8920e+02	-1.4211e-14	-5.2243e+03	0.0000e+00	3.6504e+04
	479	-2.2737e-13	-7.8920e+02	1.4211e-14	5.2243e+03	0.0000e+00	4.5179e+04
711	148	0.0000e+00	-2.3577e+00	-2.4286e-17	3.7770e+02	0.0000e+00	-4.3703e+02
	474	0.0000e+00	2.3577e+00	2.4286e-17	-3.7770e+02	7.1054e-15	-8.2912e+02
712	478	0.0000e+00	4.5928e+00	-2.2204e-16	-3.7481e+02	-5.6843e-14	1.0730e+03
	148	0.0000e+00	-4.5928e+00	2.2204e-16	3.7481e+02	-5.6843e-14	1.2419e+03
713	156	0.0000e+00	-6.3994e+02	0.0000e+00	-2.1253e+02	9.0949e-13	-2.8258e+04
	160	0.0000e+00	6.3994e+02	0.0000e+00	2.1253e+02	-9.0949e-13	-9.5570e+04
714	147	0.0000e+00	1.7410e+01	1.2351e-15	4.1810e+01	-3.6948e-13	2.2555e+03

	156	0.0000e+00	-1.7410e+01	-1.2351e-15	-4.1810e+01	-1.9895e-13	7.3550e+03
715	155	1.1369e-13	-6.0505e+02	2.1316e-14	1.0546e+03	9.0949e-13	-2.3480e+04
	159	-1.1369e-13	6.0505e+02	-2.1316e-14	-1.0546e+03	4.5475e-13	-9.3597e+04
716	146	-5.6843e-14	1.7373e+01	1.3878e-16	1.5647e+02	-8.5265e-14	2.3985e+03
	155	5.6843e-14	-1.7373e+01	-1.3878e-16	-1.5647e+02	3.4106e-13	7.1914e+03
717	154	0.0000e+00	-5.6765e+02	-7.1054e-15	-1.2671e+03	-2.7285e-12	-1.9502e+04
	158	0.0000e+00	5.6765e+02	7.1054e-15	1.2671e+03	4.5475e-13	-9.0338e+04
718	145	-2.8422e-14	1.5566e+01	3.1919e-16	-1.7695e+03	1.4211e-13	1.7391e+03
	154	2.8422e-14	-1.5566e+01	-3.1919e-16	1.7695e+03	1.7053e-13	6.8535e+03
719	153	-6.0396e-14	-6.1236e+02	1.4211e-14	1.7049e+02	1.8190e-12	-2.3589e+04
	157	6.0396e-14	6.1236e+02	-1.4211e-14	-1.7049e+02	4.5475e-13	-9.4903e+04
720	144	-2.4869e-14	1.3750e+01	-9.4369e-16	1.8296e+03	5.6843e-14	5.5138e+02
	153	2.4869e-14	-1.3750e+01	9.4369e-16	-1.8296e+03	-1.7053e-13	7.0388e+03
721	151	-2.2737e-13	-6.3101e+02	-7.1054e-15	4.2598e+02	-9.0949e-13	-2.6371e+04
	152	2.2737e-13	6.3101e+02	7.1054e-15	-4.2598e+02	4.5475e-13	-9.5910e+04
722	143	1.4211e-14	1.0520e+01	-4.1633e-17	8.9802e+02	-2.8422e-14	9.8626e+01
	151	-1.4211e-14	-1.0520e+01	4.1633e-17	-8.9802e+02	-1.9895e-13	5.7084e+03
723	194	-1.1369e-13	-2.0943e+02	-7.1054e-15	7.2018e+02	0.0000e+00	1.6399e+04
	149	1.1369e-13	2.0943e+02	7.1054e-15	-7.2018e+02	0.0000e+00	-5.6923e+04
724	141	1.1369e-13	-1.8436e+01	2.6368e-16	-1.2919e+02	-5.6843e-14	-5.2781e+03
	194	-1.1369e-13	1.8436e+01	-2.6368e-16	1.2919e+02	-5.6843e-14	-4.8983e+03
725	195	0.0000e+00	-2.0825e+02	7.1054e-15	-2.3723e+03	-9.0949e-13	1.8574e+04
	150	0.0000e+00	2.0825e+02	-7.1054e-15	2.3723e+03	1.8190e-12	-5.8871e+04
726	142	-5.6843e-14	-3.2558e+01	-5.8287e-16	4.5608e+02	-3.4106e-13	-9.3399e+03
	195	5.6843e-14	3.2558e+01	5.8287e-16	-4.5608e+02	-3.4106e-13	-8.6322e+03
727	139	2.8422e-14	1.2549e+01	-1.3323e-15	8.0200e+01	3.4106e-13	2.1485e+03
	142	-2.8422e-14	-1.2549e+01	1.3323e-15	-8.0200e+01	4.5475e-13	4.3642e+03
728	131	5.6843e-14	1.4207e+02	0.0000e+00	-1.3167e+02	9.0949e-13	1.0262e+04
	139	-5.6843e-14	-1.4207e+02	0.0000e+00	1.3167e+02	9.0949e-13	1.7269e+04
729	147	1.4211e-14	1.7737e+03	-1.7764e-15	2.9436e+02	2.2737e-13	9.3836e+04
	148	-1.4211e-14	1.6913e+03	1.7764e-15	-2.9436e+02	2.2737e-13	-8.0855e+04
730	146	2.8422e-14	1.7896e+03	8.8818e-16	2.7135e+01	0.0000e+00	9.9411e+04
	147	-2.8422e-14	1.7084e+03	-8.8818e-16	-2.7135e+01	-2.2737e-13	-8.6492e+04
731	145	2.8422e-14	1.7812e+03	0.0000e+00	5.3795e+02	-1.1369e-13	9.6621e+04
	146	-2.8422e-14	1.7168e+03	0.0000e+00	-5.3795e+02	0.0000e+00	-8.6369e+04
732	144	0.0000e+00	1.1559e+03	2.2204e-16	5.8112e+02	0.0000e+00	6.1357e+04
	145	0.0000e+00	1.1973e+03	-2.2204e-16	-5.8112e+02	-1.7053e-13	-6.7926e+04
733	143	1.4211e-14	1.7504e+03	6.6613e-16	-6.7760e+02	1.4211e-13	8.9667e+04
	144	-1.4211e-14	1.8246e+03	-6.6613e-16	6.7760e+02	0.0000e+00	-1.0173e+05
734	142	-1.4211e-14	1.7360e+03	-8.8818e-16	-1.2099e+03	-1.1369e-13	9.0276e+04
	143	1.4211e-14	1.7675e+03	8.8818e-16	1.2099e+03	1.1369e-13	-9.5290e+04
735	141	1.4211e-14	1.8092e+03	0.0000e+00	2.4241e+01	-1.1369e-13	1.0362e+05
	142	-1.4211e-14	1.6338e+03	0.0000e+00	-2.4241e+01	0.0000e+00	-7.6159e+04
736	161	-1.4211e-14	1.7062e+03	-1.7764e-15	2.5774e+03	2.2737e-13	8.4704e+04
	141	1.4211e-14	1.7166e+03	1.7764e-15	-2.5774e+03	-2.2737e-13	-8.6323e+04
737	140	0.0000e+00	1.1922e+03	-4.4409e-16	1.1679e+03	1.1369e-13	6.2024e+04
	139	0.0000e+00	1.1869e+03	4.4409e-16	-1.1679e+03	-1.1369e-13	-6.1180e+04
738	492	1.7053e-13	6.0909e+02	5.3291e-15	-1.0364e+03	-1.1369e-13	2.8750e+04
	140	-1.7053e-13	2.3924e+02	-5.3291e-15	1.0364e+03	3.4106e-13	2.6255e+03
739	137	0.0000e+00	1.2237e+03	1.7764e-15	6.3843e+02	2.2737e-13	6.5022e+04

	478	0.0000e+00	1.1693e+03	-1.7764e-15	-6.3843e+02	0.0000e+00	-5.6301e+04
740	138	-5.6843e-14	1.1962e+03	1.7764e-15	-4.3855e+02	0.0000e+00	6.4753e+04
	137	5.6843e-14	1.1793e+03	-1.7764e-15	4.3855e+02	-1.1369e-13	-6.2057e+04
741	503	5.6843e-14	1.2337e+03	0.0000e+00	-1.1266e+02	0.0000e+00	6.6324e+04
	138	-5.6843e-14	1.1966e+03	0.0000e+00	1.1266e+02	0.0000e+00	-6.0298e+04
742	136	0.0000e+00	6.3566e+02	-1.7764e-15	2.1211e+03	0.0000e+00	3.5406e+04
	479	0.0000e+00	5.8167e+02	1.7764e-15	-2.1211e+03	0.0000e+00	-2.6758e+04
743	135	0.0000e+00	6.1146e+02	0.0000e+00	8.3280e+01	-2.2737e-13	3.3605e+04
	136	0.0000e+00	5.9694e+02	0.0000e+00	-8.3280e+01	-1.1369e-13	-3.1296e+04
744	134	0.0000e+00	6.1493e+02	-8.8818e-16	-9.0980e+02	0.0000e+00	3.2179e+04
	135	0.0000e+00	5.9347e+02	8.8818e-16	9.0980e+02	0.0000e+00	-2.8768e+04
745	133	0.0000e+00	1.1862e+01	-8.8818e-16	-1.7706e+03	8.5265e-14	3.2786e+03
	134	0.0000e+00	-1.1862e+01	8.8818e-16	1.7706e+03	-2.8422e-14	4.9342e+02
746	132	0.0000e+00	-2.7940e+01	0.0000e+00	3.1648e+03	-5.6843e-14	-3.6929e+03
	133	0.0000e+00	2.7940e+01	0.0000e+00	-3.1648e+03	5.6843e-14	-5.3877e+03
747	131	-5.6843e-14	6.3119e+02	8.8818e-16	-4.5405e+02	1.1369e-13	3.4245e+04
	132	5.6843e-14	6.1901e+02	-8.8818e-16	4.5405e+02	4.5475e-13	-3.2242e+04
748	130	0.0000e+00	6.3654e+02	-1.7764e-15	-3.5759e+03	1.1369e-13	3.8480e+04
	131	0.0000e+00	5.1296e+02	1.7764e-15	3.5759e+03	2.2737e-13	-1.9789e+04
749	488	0.0000e+00	5.5161e+02	-5.3291e-15	7.0854e+02	-2.2737e-13	2.3343e+04
	130	0.0000e+00	6.3156e+02	5.3291e-15	-7.0854e+02	0.0000e+00	-3.5790e+04
750	156	7.1054e-14	1.2390e+03	-1.7764e-15	-3.6304e+03	-2.2737e-13	6.7550e+04
	474	-7.1054e-14	1.1540e+03	1.7764e-15	3.6304e+03	0.0000e+00	-5.3932e+04
751	155	-5.6843e-14	1.2193e+03	8.8818e-16	2.4726e+02	2.2737e-13	6.8146e+04
	156	5.6843e-14	1.1562e+03	-8.8818e-16	-2.4726e+02	2.2737e-13	-5.8104e+04
752	154	-1.4211e-14	1.2258e+03	0.0000e+00	3.0713e+02	-2.2737e-13	6.9126e+04
	155	1.4211e-14	1.1497e+03	0.0000e+00	-3.0713e+02	-1.1369e-13	-5.7018e+04
753	153	1.4211e-14	1.1679e+03	1.3323e-15	-4.0465e+02	2.8422e-14	5.9603e+04
	154	-1.4211e-14	1.2076e+03	-1.3323e-15	4.0465e+02	-1.4211e-14	-6.5912e+04
754	151	2.8422e-14	1.1705e+03	2.2204e-16	-6.1081e+01	-2.8422e-14	5.8201e+04
	153	-2.8422e-14	1.2573e+03	-2.2204e-16	6.1081e+01	1.1369e-13	-7.2309e+04
755	195	2.8422e-14	1.2685e+03	4.4409e-16	2.3041e+03	0.0000e+00	7.5810e+04
	151	-2.8422e-14	1.1107e+03	-4.4409e-16	-2.3041e+03	0.0000e+00	-5.0681e+04
756	194	-1.4211e-14	1.1976e+03	0.0000e+00	2.6340e+02	0.0000e+00	6.5950e+04
	195	1.4211e-14	1.1405e+03	0.0000e+00	-2.6340e+02	2.2737e-13	-5.7010e+04
757	482	5.6843e-14	1.1321e+03	3.5527e-15	5.6513e+02	2.2737e-13	5.4349e+04
	194	-5.6843e-14	1.1938e+03	-3.5527e-15	-5.6513e+02	0.0000e+00	-6.3964e+04
758	160	2.8422e-14	6.3242e+02	-8.8818e-16	1.0696e+04	0.0000e+00	3.4455e+04
	475	-2.8422e-14	5.8492e+02	8.8818e-16	-1.0696e+04	-2.2737e-13	-2.6847e+04
759	159	-5.6843e-14	6.1549e+02	0.0000e+00	8.0767e+02	-1.1369e-13	3.3701e+04
	160	5.6843e-14	5.9291e+02	0.0000e+00	-8.0767e+02	-1.1369e-13	-3.0110e+04
760	158	0.0000e+00	6.2833e+02	-8.8818e-16	4.1344e+02	1.7053e-13	3.6474e+04
	159	0.0000e+00	5.8007e+02	8.8818e-16	-4.1344e+02	1.7053e-13	-2.8799e+04
761	157	0.0000e+00	6.0187e+02	-2.2204e-16	-2.4084e+02	1.4211e-13	3.1167e+04
	158	0.0000e+00	6.0653e+02	2.2204e-16	2.4084e+02	-4.2633e-14	-3.1908e+04
762	152	0.0000e+00	6.1650e+02	-1.1102e-16	-4.0295e+02	1.5632e-13	3.2257e+04
	157	0.0000e+00	6.5840e+02	1.1102e-16	4.0295e+02	1.1369e-13	-3.9285e+04
763	150	5.6843e-14	5.6812e+02	4.4409e-16	3.7532e+03	-5.6843e-14	2.7461e+04
	152	-5.6843e-14	6.0228e+02	-4.4409e-16	-3.7532e+03	0.0000e+00	-3.2721e+04
764	149	2.8422e-14	6.3155e+02	0.0000e+00	-6.6992e+02	2.2737e-13	3.6554e+04

	150	-2.8422e-14	5.5785e+02	0.0000e+00	6.6992e+02	0.0000e+00	-2.5019e+04
765	483	2.8422e-14	6.9355e+02	8.8818e-16	-1.5476e+04	-1.1369e-13	4.5604e+04
	149	-2.8422e-14	4.8963e+02	-8.8818e-16	1.5476e+04	-2.2737e-13	-1.3858e+04
806	352	2.5511e+02	1.3803e+02	-1.5363e+02	-1.1324e+02	2.3772e+04	2.4834e+04
	468	-2.5511e+02	-1.3803e+02	1.5363e+02	1.1324e+02	2.5389e+04	1.9337e+04
807	334	-3.6506e+02	-1.5511e+02	-9.0848e+01	-7.8848e+01	1.3399e+04	-2.6668e+04
	467	3.6506e+02	1.5511e+02	9.0848e+01	7.8848e+01	1.5672e+04	-2.2968e+04
808	348	-1.5553e+02	6.1872e+01	-3.4481e+01	-1.1324e+02	4.8522e+03	7.6148e+03
	461	1.5553e+02	-6.1872e+01	3.4481e+01	1.1324e+02	6.1816e+03	1.2184e+04
809	349	4.0879e+01	3.6970e+01	-3.2424e+01	-7.8848e+01	4.8736e+03	5.0072e+03
	459	-4.0879e+01	-3.6970e+01	3.2424e+01	7.8848e+01	5.5019e+03	6.8233e+03
810	339	-7.8633e+01	3.8770e+01	-3.7661e+01	-7.8848e+01	5.7008e+03	6.6559e+03
	458	7.8633e+01	-3.8770e+01	3.7661e+01	7.8848e+01	6.3508e+03	5.7504e+03
811	347	-1.2121e+02	7.0795e+01	1.6082e+02	-1.1324e+02	-3.3974e+04	1.3420e+04
	456	1.2121e+02	-7.0795e+01	-1.6082e+02	1.1324e+02	-1.7487e+04	9.2347e+03
812	350	-4.7531e+02	1.1518e+02	-1.9170e+02	-1.1324e+02	3.3355e+04	2.4978e+04
	453	4.7531e+02	-1.1518e+02	1.9170e+02	1.1324e+02	2.7989e+04	1.1881e+04
813	338	-4.2529e+02	-2.3958e+02	-3.2444e+01	-1.1324e+02	3.4191e+03	-4.0151e+04
	452	4.2529e+02	2.3958e+02	3.2444e+01	1.1324e+02	6.9630e+03	-3.6515e+04
814	378	-8.1070e+01	-1.7074e+02	-1.5255e+01	-1.1324e+02	2.2366e+03	-2.5038e+04
	449	8.1070e+01	1.7074e+02	1.5255e+01	1.1324e+02	2.6450e+03	-2.9598e+04
815	354	2.0679e+02	-7.8105e+01	4.8143e+01	-1.1324e+02	-9.2187e+03	-1.0495e+04
	448	-2.0679e+02	7.8105e+01	-4.8143e+01	1.1324e+02	-6.1871e+03	-1.4498e+04
816	384	-4.7096e+02	1.5454e+02	2.5194e+01	-1.1324e+02	-3.6874e+03	2.5966e+04
	447	4.7096e+02	-1.5454e+02	-2.5194e+01	1.1324e+02	-4.3746e+03	2.3487e+04
817	362	2.7854e+02	2.3099e+02	-4.2618e+01	-1.1324e+02	1.1517e+04	3.3894e+04
	445	-2.7854e+02	-2.3099e+02	4.2618e+01	1.1324e+02	2.1204e+03	4.0021e+04
818	366	1.8410e+02	-1.3910e+01	-1.9909e+00	-7.8848e+01	6.3284e+02	-1.9842e+03
	444	-1.8410e+02	1.3910e+01	1.9909e+00	7.8848e+01	4.2439e+00	-2.4671e+03
819	370	9.5903e+00	1.6793e+01	3.7362e+00	-7.8848e+01	-6.2998e+02	2.4608e+03
	443	-9.5903e+00	-1.6793e+01	-3.7362e+00	7.8848e+01	-5.6559e+02	2.9131e+03
820	363	5.5776e+01	-1.9858e+02	-1.6439e+01	-9.5954e+01	2.5449e+03	-3.7351e+04
	442	-5.5776e+01	1.9858e+02	1.6439e+01	9.5954e+01	2.7156e+03	-2.6195e+04
821	367	4.8856e+01	-1.8988e+01	-4.1076e+01	-7.8848e+01	5.5682e+03	-2.2470e+03
	441	-4.8856e+01	1.8988e+01	4.1076e+01	7.8848e+01	7.5762e+03	-3.8292e+03
822	361	1.8437e+01	-8.8573e+01	1.8159e+01	-1.1324e+02	-2.6317e+03	-1.6988e+04
	440	-1.8437e+01	8.8573e+01	-1.8159e+01	1.1324e+02	-3.1790e+03	-1.1356e+04
823	355	-2.1983e+02	1.0191e+02	2.4794e+01	-7.8848e+01	-3.3486e+03	1.7857e+04
	439	2.1983e+02	-1.0191e+02	-2.4794e+01	7.8848e+01	-4.5855e+03	1.4755e+04
824	371	-9.8183e+00	-2.8153e+01	6.3973e+00	-7.8848e+01	-1.2296e+03	-4.7100e+03
	438	9.8183e+00	2.8153e+01	-6.3973e+00	7.8848e+01	-8.1753e+02	-4.2991e+03
825	376	6.2716e+00	7.3781e+01	9.9140e+00	-1.1324e+02	-1.4961e+03	1.4356e+04
	436	-6.2716e+00	-7.3781e+01	-9.9140e+00	1.1324e+02	-1.6764e+03	9.2540e+03
826	382	-4.0429e+01	2.0698e+02	-5.7943e-01	-1.1324e+02	6.9788e+00	3.3755e+04
	435	4.0429e+01	-2.0698e+02	5.7943e-01	1.1324e+02	1.7844e+02	3.2480e+04
827	385	-1.1291e+02	-7.1303e+01	2.5178e+02	-1.1324e+02	-5.8571e+04	-1.3611e+04
	434	1.1291e+02	7.1303e+01	-2.5178e+02	1.1324e+02	-2.1998e+04	-9.2059e+03
828	386	-2.0337e+02	1.9071e+02	1.9299e+02	-1.1324e+02	-5.0244e+04	2.8317e+04
	433	2.0337e+02	-1.9071e+02	-1.9299e+02	1.1324e+02	-1.1512e+04	3.2710e+04
829	353	2.5989e+02	7.4566e+01	-4.5790e+01	-1.1324e+02	6.1485e+03	1.0209e+04

	432	-2.5989e+02	-7.4566e+01	4.5790e+01	1.1324e+02	8.5042e+03	1.3652e+04
830	373	1.8976e+02	-5.4434e-01	-1.1475e+00	-1.1324e+02	-1.7165e+02	-3.7084e+01
	431	-1.8976e+02	5.4434e-01	1.1475e+00	1.1324e+02	5.3885e+02	-1.3710e+02
831	364	-3.4361e+02	-2.3791e+01	-3.1750e+00	-1.1324e+02	4.8392e+02	-2.5716e+03
	429	3.4361e+02	2.3791e+01	3.1750e+00	1.1324e+02	5.3208e+02	-5.0414e+03
832	356	-1.7601e+02	-3.7205e+01	-5.2884e+01	-1.1324e+02	7.7265e+03	-4.2477e+03
	424	1.7601e+02	3.7205e+01	5.2884e+01	1.1324e+02	9.1964e+03	-7.6579e+03
833	368	-7.3887e+01	-9.2582e+01	-5.2678e+01	-7.8848e+01	9.6955e+03	-1.6665e+04
	423	7.3887e+01	9.2582e+01	5.2678e+01	7.8848e+01	7.1613e+03	-1.2961e+04
834	375	-1.0578e+02	-7.8745e+01	5.5286e+01	-1.1324e+02	-8.9819e+03	-1.5174e+04
	422	1.0578e+02	7.8745e+01	-5.5286e+01	1.1324e+02	-8.7096e+03	-1.0024e+04
835	381	-1.4100e+02	-2.2003e+01	3.0447e+01	-1.1324e+02	-4.8322e+03	-2.5041e+03
	420	1.4100e+02	2.2003e+01	-3.0447e+01	1.1324e+02	-4.9109e+03	-4.5367e+03
836	380	-3.7396e+01	-2.6891e+01	2.1373e+01	-7.8848e+01	-3.0868e+03	-3.5779e+03
	419	3.7396e+01	2.6891e+01	-2.1373e+01	7.8848e+01	-3.7524e+03	-5.0274e+03
837	383	-5.3011e+01	-3.7650e+00	-1.5077e+01	-7.8848e+01	1.9422e+03	-5.1317e+02
	417	5.3011e+01	3.7650e+00	1.5077e+01	7.8848e+01	2.8822e+03	-6.9163e+02
838	323	2.2841e+03	1.5918e+02	4.6699e+02	-1.0195e+02	-7.0381e+04	2.5679e+04
	386	-2.2841e+03	-1.5918e+02	-4.6699e+02	1.0195e+02	-7.9054e+04	2.5260e+04
839	329	2.7357e+03	-9.7929e+01	5.2914e+02	-1.0195e+02	-8.1573e+04	-1.5176e+04
	385	-2.7357e+03	9.7929e+01	-5.2914e+02	1.0195e+02	-8.7753e+04	-1.6161e+04
840	333	3.8485e+03	1.7144e+02	2.6189e+01	-1.0195e+02	-4.6793e+03	2.7048e+04
	384	-3.8485e+03	-1.7144e+02	-2.6189e+01	1.0195e+02	-3.7012e+03	2.7812e+04
841	331	1.1688e+03	-1.6384e+00	-1.3053e+01	-7.0992e+01	2.4163e+03	-3.3956e+02
	383	-1.1688e+03	1.6384e+00	1.3053e+01	7.0992e+01	1.7607e+03	-1.8474e+02
842	325	2.5502e+03	2.1275e+02	-7.8502e-02	-1.0195e+02	4.7933e+01	3.3632e+04
	382	-2.5502e+03	-2.1275e+02	7.8502e-02	1.0195e+02	-2.2812e+01	3.4448e+04
843	318	2.1271e+03	-5.1995e+00	3.0072e+01	-1.0195e+02	-4.8365e+03	-1.0776e+03
	381	-2.1271e+03	5.1995e+00	-3.0072e+01	1.0195e+02	-4.7864e+03	-5.8622e+02
844	317	1.2231e+03	-1.4227e+01	1.0750e+01	-7.0992e+01	-1.4793e+03	-2.4061e+03
	380	-1.2231e+03	1.4227e+01	-1.0750e+01	7.0992e+01	-1.9608e+03	-2.1464e+03
845	332	3.5115e+03	-1.2644e+02	-1.1396e+01	-1.0195e+02	1.7431e+03	-2.0107e+04
	378	-3.5115e+03	1.2644e+02	1.1396e+01	1.0195e+02	1.9036e+03	-2.0355e+04
846	322	1.8160e+03	1.0959e+02	9.7559e+00	-1.0195e+02	-1.6656e+03	1.6828e+04
	376	-1.8160e+03	-1.0959e+02	-9.7559e+00	1.0195e+02	-1.4563e+03	1.8242e+04
847	328	2.4147e+03	-1.0375e+02	5.7363e+01	-1.0195e+02	-9.2293e+03	-1.5614e+04
	375	-2.4147e+03	1.0375e+02	-5.7363e+01	1.0195e+02	-9.1268e+03	-1.7585e+04
848	327	1.5473e+03	1.1025e+00	5.4256e+00	-1.0195e+02	-9.1082e+02	4.1265e+01
	373	-1.5473e+03	-1.1025e+00	-5.4256e+00	1.0195e+02	-8.2536e+02	3.1152e+02
849	319	1.2688e+03	-2.8943e+01	2.5582e+00	-7.0992e+01	-3.9770e+01	-4.5750e+03
	371	-1.2688e+03	2.8943e+01	-2.5582e+00	7.0992e+01	-7.7886e+02	-4.6868e+03
850	324	1.2508e+03	1.4115e+01	-1.4007e+00	-7.0992e+01	5.1759e+02	2.2306e+03
	370	-1.2508e+03	-1.4115e+01	1.4007e+00	7.0992e+01	-6.9371e+01	2.2863e+03
851	302	1.1573e+03	-1.1827e+02	-7.3087e+01	-7.0992e+01	1.1479e+04	-1.8488e+04
	368	-1.1573e+03	1.1827e+02	7.3087e+01	7.0992e+01	1.1909e+04	-1.9358e+04
852	307	1.3740e+03	-6.3039e+00	-2.5006e+01	-7.0992e+01	4.1250e+03	-1.0932e+03
	367	-1.3740e+03	6.3039e+00	2.5006e+01	7.0992e+01	3.8771e+03	-9.2401e+02
853	314	3.1552e+02	-9.0016e+00	-6.6636e+00	-7.0992e+01	9.6077e+02	-1.4054e+03
	366	-3.1552e+02	9.0016e+00	6.6636e+00	7.0992e+01	1.1716e+03	-1.4751e+03
854	298	2.9778e+03	-2.6557e+00	-3.2979e+00	-1.0195e+02	5.5230e+02	-5.6298e+02

	364	-2.9778e+03	2.6557e+00	3.2979e+00	1.0195e+02	5.0302e+02	-2.8684e+02
855	309	1.7147e+03	-2.7942e+02	-1.4559e+01	-8.6393e+01	2.3219e+03	-4.3715e+04
	363	-1.7147e+03	2.7942e+02	1.4559e+01	8.6393e+01	2.3369e+03	-4.5698e+04
856	306	2.7004e+03	1.7853e+02	-1.1202e+02	-1.0195e+02	1.6897e+04	2.8570e+04
	362	-2.7004e+03	-1.7853e+02	1.1202e+02	1.0195e+02	1.8950e+04	2.8559e+04
857	315	1.8599e+03	-1.2507e+02	1.5178e+01	-1.0195e+02	-2.5967e+03	-1.9433e+04
	361	-1.8599e+03	1.2507e+02	-1.5178e+01	1.0195e+02	-2.2601e+03	-2.0588e+04
858	311	2.0534e+03	-1.1550e+01	-3.9981e+01	-1.0195e+02	6.4232e+03	-2.1243e+03
	356	-2.0534e+03	1.1550e+01	3.9981e+01	1.0195e+02	6.3708e+03	-1.5718e+03
859	303	6.5494e+02	1.2361e+02	1.1269e+01	-7.0992e+01	-1.7169e+03	1.9431e+04
	355	-6.5494e+02	-1.2361e+02	-1.1269e+01	7.0992e+01	-1.8891e+03	2.0123e+04
860	310	1.6156e+03	-4.3571e+01	5.7331e+01	-1.0195e+02	-8.2323e+03	-7.2301e+03
	354	-1.6156e+03	4.3571e+01	-5.7331e+01	1.0195e+02	-1.0114e+04	-6.7126e+03
861	313	4.8832e+02	4.6165e+01	-2.7798e+01	-1.0195e+02	4.5377e+03	7.5138e+03
	353	-4.8832e+02	-4.6165e+01	2.7798e+01	1.0195e+02	4.3575e+03	7.2591e+03
862	308	1.5434e+03	1.7238e+02	-1.3697e+02	-1.0195e+02	2.1724e+04	2.6780e+04
	352	-1.5434e+03	-1.7238e+02	1.3697e+02	1.0195e+02	2.2105e+04	2.8381e+04
863	301	2.6032e+03	2.0453e+02	-2.3578e+02	-1.0195e+02	3.7352e+04	3.1202e+04
	350	-2.6032e+03	-2.0453e+02	2.3578e+02	1.0195e+02	3.8099e+04	3.4249e+04
864	300	1.3785e+03	2.1961e+01	-2.7690e+01	-7.0992e+01	4.4682e+03	3.5959e+03
	349	-1.3785e+03	-2.1961e+01	2.7690e+01	7.0992e+01	4.3925e+03	3.4316e+03
865	312	2.0673e+03	2.8028e+01	-2.3183e+01	-1.0195e+02	3.7357e+03	4.8387e+03
	348	-2.0673e+03	-2.8028e+01	2.3183e+01	1.0195e+02	3.6829e+03	4.1301e+03
866	316	2.0724e+03	1.0360e+02	2.8151e+02	-1.0195e+02	-4.3959e+04	1.6235e+04
	347	-2.0724e+03	-1.0360e+02	-2.8151e+02	1.0195e+02	-4.6125e+04	1.6916e+04
867	304	1.2605e+03	4.5191e+01	-3.0756e+01	-7.0992e+01	4.8379e+03	7.0837e+03
	339	-1.2605e+03	-4.5191e+01	3.0756e+01	7.0992e+01	5.0041e+03	7.3773e+03
868	305	1.5963e+03	-2.5640e+02	-3.5729e+00	-1.0195e+02	6.9706e+02	-4.0176e+04
	338	-1.5963e+03	2.5640e+02	3.5729e+00	1.0195e+02	4.4627e+02	-4.1874e+04
869	299	1.6595e+03	-1.8019e+02	-6.9322e+01	-7.0992e+01	1.1010e+04	-2.8418e+04
	334	-1.6595e+03	1.8019e+02	6.9322e+01	7.0992e+01	1.1173e+04	-2.9244e+04
870	265	8.1729e+03	1.6448e+02	2.1487e+01	-6.6515e+01	-2.8314e+03	2.6157e+04
	333	-8.1729e+03	-1.6448e+02	-2.1487e+01	6.6515e+01	-4.0445e+03	2.6477e+04
871	264	7.1139e+03	-1.1395e+02	-8.8915e+00	-6.6515e+01	1.2812e+03	-1.7801e+04
	332	-7.1139e+03	1.1395e+02	8.8915e+00	6.6515e+01	1.5641e+03	-1.8664e+04
872	238	2.3987e+03	1.6555e+00	1.0527e+01	-4.6315e+01	-3.2783e+03	2.7066e+02
	331	-2.3987e+03	-1.6555e+00	-1.0527e+01	4.6315e+01	-9.0194e+01	2.5909e+02
873	234	5.6497e+03	-9.1018e+01	5.5558e+02	-6.6515e+01	-9.3561e+04	-1.5161e+04
	329	-5.6497e+03	9.1018e+01	-5.5558e+02	6.6515e+01	-8.4224e+04	-1.3965e+04
874	242	4.9060e+03	-1.1146e+02	4.0991e+01	-6.6515e+01	-5.7010e+03	-1.9660e+04
	328	-4.9060e+03	1.1146e+02	-4.0991e+01	6.6515e+01	-7.4161e+03	-1.6007e+04
875	240	2.8941e+03	1.8077e+00	-4.7191e+00	-6.6515e+01	1.3726e+03	5.8255e+01
	327	-2.8941e+03	-1.8077e+00	4.7191e+00	6.6515e+01	1.3757e+02	5.2021e+02
876	233	5.1565e+03	2.0464e+02	1.7649e+00	-6.6515e+01	-3.4264e+02	3.2544e+04
	325	-5.1565e+03	-2.0464e+02	-1.7649e+00	6.6515e+01	-2.2214e+02	3.2942e+04
877	244	2.4969e+03	1.5678e+01	2.1332e+01	-4.6315e+01	-4.8842e+03	2.3689e+03
	324	-2.4969e+03	-1.5678e+01	-2.1332e+01	4.6315e+01	-1.9421e+03	2.6480e+03
878	235	4.7585e+03	1.5945e+02	4.9769e+02	-6.6515e+01	-8.5830e+04	2.4822e+04
	323	-4.7585e+03	-1.5945e+02	-4.9769e+02	6.6515e+01	-7.3431e+04	2.6202e+04
879	245	3.6224e+03	1.0893e+02	-2.8137e+00	-6.6515e+01	1.3149e+03	1.7692e+04

	322	-3.6224e+03	-1.0893e+02	2.8137e+00	6.6515e+01	-4.1449e+02	1.7165e+04
880	239	2.5504e+03	-2.8567e+01	2.5263e+01	-4.6315e+01	-5.6729e+03	-4.8596e+03
	319	-2.5504e+03	2.8567e+01	-2.5263e+01	4.6315e+01	-2.4114e+03	-4.2817e+03
881	241	4.4015e+03	-5.8661e+00	1.6863e+01	-6.6515e+01	-1.8251e+03	-1.1364e+03
	318	-4.4015e+03	5.8661e+00	-1.6863e+01	6.6515e+01	-3.5712e+03	-7.4072e+02
882	236	2.4749e+03	-9.3169e+00	2.8987e+01	-4.6315e+01	-5.7688e+03	-1.3431e+03
	317	-2.4749e+03	9.3169e+00	-2.8987e+01	4.6315e+01	-3.5070e+03	-1.6383e+03
883	243	4.2853e+03	9.6107e+01	2.8536e+02	-6.6515e+01	-4.7633e+04	1.5257e+04
	316	-4.2853e+03	-9.6107e+01	-2.8536e+02	6.6515e+01	-4.3682e+04	1.5497e+04
884	246	3.7006e+03	-1.2488e+02	1.8325e+00	-6.6515e+01	5.7094e+02	-2.0953e+04
	315	-3.7006e+03	1.2488e+02	-1.8325e+00	6.6515e+01	-1.1573e+03	-1.9008e+04
885	251	4.4346e+02	-7.2689e+00	-6.4816e+00	-4.6315e+01	1.1078e+03	-1.0089e+03
	314	-4.4346e+02	7.2689e+00	6.4816e+00	4.6315e+01	9.6630e+02	-1.3172e+03
886	253	7.1201e+02	4.4338e+01	-2.7834e+01	-6.6515e+01	4.1744e+03	7.0454e+03
	313	-7.1201e+02	-4.4338e+01	2.7834e+01	6.6515e+01	4.7326e+03	7.1427e+03
887	261	4.3066e+03	3.1061e+01	-2.1552e+01	-6.6515e+01	3.4086e+03	4.8787e+03
	312	-4.3066e+03	-3.1061e+01	2.1552e+01	6.6515e+01	3.4880e+03	5.0609e+03
888	257	4.2987e+03	-1.4772e+01	-3.7840e+01	-6.6515e+01	6.0402e+03	-2.1772e+03
	311	-4.2987e+03	1.4772e+01	3.7840e+01	6.6515e+01	6.0684e+03	-2.5498e+03
889	247	3.0207e+03	-4.0184e+01	8.2938e+01	-6.6515e+01	-1.5692e+04	-6.4753e+03
	310	-3.0207e+03	4.0184e+01	-8.2938e+01	6.6515e+01	-1.0848e+04	-6.3835e+03
890	248	3.3877e+03	-2.4951e+02	-1.1557e+01	-5.6363e+01	1.8563e+03	-3.9350e+04
	309	-3.3877e+03	2.4951e+02	1.1557e+01	5.6363e+01	1.8418e+03	-4.0492e+04
891	255	2.8072e+03	1.6398e+02	-1.1928e+02	-6.6515e+01	1.8173e+04	2.6745e+04
	308	-2.8072e+03	-1.6398e+02	1.1928e+02	6.6515e+01	1.9998e+04	2.5729e+04
892	256	2.6841e+03	-5.5704e+00	-2.1038e+01	-4.6315e+01	3.1291e+03	-6.7294e+02
	307	-2.6841e+03	5.5704e+00	2.1038e+01	4.6315e+01	3.6032e+03	-1.1096e+03
893	258	5.0834e+03	1.6958e+02	-1.1255e+02	-6.6515e+01	1.8872e+04	2.6473e+04
	306	-5.0834e+03	-1.6958e+02	1.1255e+02	6.6515e+01	1.7143e+04	2.7793e+04
894	260	3.6461e+03	-2.3583e+02	-2.6307e+00	-6.6515e+01	1.5890e+02	-3.7328e+04
	305	-3.6461e+03	2.3583e+02	2.6307e+00	6.6515e+01	6.8293e+02	-3.8138e+04
895	262	2.6319e+03	4.0497e+01	-2.1368e+01	-4.6315e+01	3.0085e+03	6.2901e+03
	304	-2.6319e+03	-4.0497e+01	2.1368e+01	4.6315e+01	3.8292e+03	6.6688e+03
896	250	1.5623e+03	1.1236e+02	4.4760e+00	-4.6315e+01	-4.1453e+02	1.7794e+04
	303	-1.5623e+03	-1.1236e+02	-4.4760e+00	4.6315e+01	-1.0178e+03	1.8161e+04
897	254	2.3929e+03	-1.1264e+02	-6.7941e+01	-4.6315e+01	1.0737e+04	-1.8053e+04
	302	-2.3929e+03	1.1264e+02	6.7941e+01	4.6315e+01	1.1004e+04	-1.7991e+04
898	259	5.7398e+03	1.9966e+02	-2.1991e+02	-6.6515e+01	3.4557e+04	3.3287e+04
	301	-5.7398e+03	-1.9966e+02	2.1991e+02	6.6515e+01	3.5815e+04	3.0605e+04
899	252	2.7120e+03	2.0472e+01	-2.3232e+01	-4.6315e+01	3.4970e+03	3.2040e+03
	300	-2.7120e+03	-2.0472e+01	2.3232e+01	4.6315e+01	3.9374e+03	3.3469e+03
900	263	3.7194e+03	-1.6505e+02	-5.7581e+01	-4.6315e+01	8.6303e+03	-2.6060e+04
	299	-3.7194e+03	1.6505e+02	5.7581e+01	4.6315e+01	9.7956e+03	-2.6756e+04
901	249	6.3067e+03	1.3683e+00	-1.6801e+00	-6.6515e+01	2.8482e+02	4.3487e+02
	298	-6.3067e+03	-1.3683e+00	1.6801e+00	6.6515e+01	2.5283e+02	2.9943e+00
902	142	1.2675e+04	8.9804e+01	1.1433e+01	1.4319e+01	-2.2040e+03	1.0600e+04
	265	-1.2675e+04	-8.9804e+01	-1.1433e+01	-1.4319e+01	-1.5573e+03	1.8945e+04
903	143	1.0739e+04	-4.6890e+01	-1.1028e+01	1.4319e+01	1.9837e+03	-5.0816e+03
	264	-1.0739e+04	4.6890e+01	1.1028e+01	-1.4319e+01	1.6447e+03	-1.0345e+04
904	144	5.8725e+03	-1.0118e+02	-3.4858e+01	9.9707e+00	5.2057e+03	-1.4098e+04

	263	-5.8725e+03	1.0118e+02	3.4858e+01	-9.9707e+00	6.2625e+03	-1.9192e+04
905	145	4.0187e+03	4.6871e+01	-1.2142e+01	9.9707e+00	2.0437e+03	8.1239e+03
	262	-4.0187e+03	-4.6871e+01	1.2142e+01	-9.9707e+00	1.9511e+03	7.2966e+03
906	138	6.5726e+03	7.5361e+00	-1.2371e+01	1.4319e+01	1.8669e+03	1.0125e+02
	261	-6.5726e+03	-7.5361e+00	1.2371e+01	-1.4319e+01	2.2033e+03	2.3781e+03
907	140	5.7995e+03	-1.7505e+02	4.5519e+00	1.4319e+01	-1.0018e+03	-2.6327e+04
	260	-5.7995e+03	1.7505e+02	-4.5519e+00	-1.4319e+01	-4.9582e+02	-3.1264e+04
908	139	8.9990e+03	1.1125e+02	-1.1167e+02	1.4319e+01	1.3346e+04	1.2514e+04
	259	-8.9990e+03	-1.1125e+02	1.1167e+02	-1.4319e+01	2.3392e+04	2.4088e+04
909	141	7.4013e+03	8.4129e+01	-5.5815e+01	1.4319e+01	5.1527e+03	9.5450e+03
	258	-7.4013e+03	-8.4129e+01	5.5815e+01	-1.4319e+01	1.3210e+04	1.8133e+04
910	137	6.5717e+03	9.2397e+00	-2.4791e+01	1.4319e+01	3.8349e+03	2.7271e+03
	257	-6.5717e+03	-9.2397e+00	2.4791e+01	-1.4319e+01	4.3212e+03	3.1271e+02
911	136	3.9998e+03	5.5017e+00	-3.2582e+01	9.9707e+00	6.5869e+03	1.4288e+03
	256	-3.9998e+03	-5.5017e+00	3.2582e+01	-9.9707e+00	4.1325e+03	3.8125e+02
912	131	3.9791e+03	9.0882e+01	-8.7872e+01	1.4319e+01	1.3703e+04	1.0953e+04
	255	-3.9791e+03	-9.0882e+01	8.7872e+01	-1.4319e+01	1.5207e+04	1.8948e+04
913	132	3.6582e+03	-7.4911e+01	-6.6350e+01	9.9707e+00	1.1065e+04	-1.0360e+04
	254	-3.6582e+03	7.4911e+01	6.6350e+01	-9.9707e+00	1.0764e+04	-1.4285e+04
914	130	8.5641e+02	2.2492e+01	-6.8399e+00	1.4319e+01	-4.3535e+01	2.8563e+03
	253	-8.5641e+02	-2.2492e+01	6.8399e+00	-1.4319e+01	2.2938e+03	4.5436e+03
915	135	4.0442e+03	5.0001e+00	-3.5631e+01	9.9707e+00	7.0321e+03	1.9809e+02
	252	-4.0442e+03	-5.0001e+00	3.5631e+01	-9.9707e+00	4.6907e+03	1.4469e+03
916	133	5.2759e+02	-2.4211e+00	-4.2171e+00	9.9707e+00	5.2284e+02	-1.7052e+02
	251	-5.2759e+02	2.4211e+00	4.2171e+00	-9.9707e+00	8.6459e+02	-6.2602e+02
917	134	2.5563e+03	8.5099e+01	-1.8538e+01	9.9707e+00	4.1299e+03	1.3086e+04
	250	-2.5563e+03	-8.5099e+01	1.8538e+01	-9.9707e+00	1.9691e+03	1.4912e+04
918	147	9.7297e+03	1.4651e+01	1.9390e+00	1.4319e+01	-1.7099e+02	2.4802e+03
	249	-9.7297e+03	-1.4651e+01	-1.9390e+00	-1.4319e+01	-4.6693e+02	2.3401e+03
919	148	5.0454e+03	-2.2669e+02	1.5848e+00	1.2134e+01	-5.3843e+02	-3.7636e+04
	248	-5.0454e+03	2.2669e+02	-1.5848e+00	-1.2134e+01	1.7031e+01	-3.6945e+04
920	152	4.2927e+03	-7.9658e+00	-1.2378e+02	1.4319e+01	3.3917e+04	-7.8167e+02
	247	-4.2927e+03	7.9658e+00	1.2378e+02	-1.4319e+01	6.8082e+03	-1.8391e+03
921	153	5.5817e+03	-5.2990e+01	3.8352e+01	1.4319e+01	-9.1905e+03	-5.0418e+03
	246	-5.5817e+03	5.2990e+01	-3.8352e+01	-1.4319e+01	-3.4273e+03	-1.2392e+04
922	155	5.4732e+03	6.5069e+01	3.7359e+01	1.4319e+01	-8.9820e+03	7.1695e+03
	245	-5.4732e+03	-6.5069e+01	-3.7359e+01	-1.4319e+01	-3.3089e+03	1.4238e+04
923	159	3.6994e+03	1.9279e+01	-1.2448e+02	9.9707e+00	3.0194e+04	2.9120e+03
	244	-3.6994e+03	-1.9279e+01	1.2448e+02	-9.9707e+00	1.0760e+04	3.4307e+03
924	161	6.5339e+03	1.0155e+02	6.9059e+01	1.4319e+01	9.4672e+02	1.7237e+04
	243	-6.5339e+03	-1.0155e+02	-6.9059e+01	-1.4319e+01	-2.3667e+04	1.6174e+04
925	151	7.5223e+03	-3.0249e+01	5.6498e+01	1.4319e+01	-1.1230e+04	1.0874e+02
	242	-7.5223e+03	3.0249e+01	-5.6498e+01	-1.4319e+01	-7.3574e+03	-1.0061e+04
926	156	6.7500e+03	1.4865e+01	5.1075e+01	1.4319e+01	-1.0853e+04	2.7581e+03
	241	-6.7500e+03	-1.4865e+01	-5.1075e+01	-1.4319e+01	-5.9504e+03	2.1325e+03
927	154	4.2675e+03	4.4115e+00	3.3353e+01	1.4319e+01	-8.0776e+03	4.4357e+01
	240	-4.2675e+03	-4.4115e+00	-3.3353e+01	-1.4319e+01	-2.8955e+03	1.4070e+03
928	157	3.7870e+03	-6.4290e+00	-1.2535e+02	9.9707e+00	3.0559e+04	-2.5002e+02
	239	-3.7870e+03	6.4290e+00	1.2535e+02	-9.9707e+00	1.0679e+04	-1.8651e+03
929	158	3.5812e+03	-2.6324e+00	-1.3462e+02	9.9707e+00	3.1882e+04	-1.3232e+03

	238	-3.5812e+03	2.6324e+00	1.3462e+02	-9.9707e+00	1.2408e+04	4.5708e+02
930	160	3.7045e+03	6.7452e+00	-1.1286e+02	9.9707e+00	2.7802e+04	1.2045e+03
	236	-3.7045e+03	-6.7452e+00	1.1286e+02	-9.9707e+00	9.3296e+03	1.0147e+03
931	149	7.2704e+03	9.0820e+01	5.7185e+01	1.4319e+01	1.9439e+04	1.0850e+04
	235	-7.2704e+03	-9.0820e+01	-5.7185e+01	-1.4319e+01	-3.8252e+04	1.9030e+04
932	150	8.5443e+03	-3.9255e+01	6.2344e+01	1.4319e+01	1.9994e+04	-4.4109e+03
	234	-8.5443e+03	3.9255e+01	-6.2344e+01	-1.4319e+01	-4.0505e+04	-8.5040e+03
933	146	7.7698e+03	9.5811e+01	2.6365e+00	1.4319e+01	-1.8618e+02	9.7689e+03
	233	-7.7698e+03	-9.5811e+01	-2.6365e+00	-1.4319e+01	-6.8124e+02	2.1753e+04
934	127	2.2333e+03	1.1622e+02	-9.3151e+01	5.3334e+01	2.2839e+04	2.2380e+04
	195	-2.2333e+03	-1.1622e+02	9.3151e+01	-5.3334e+01	7.9011e+03	1.5971e+04
935	126	2.2004e+03	3.1135e+01	-9.3899e+01	5.3334e+01	2.2266e+04	7.3922e+03
	194	-2.2004e+03	-3.1135e+01	9.3899e+01	-5.3334e+01	8.7207e+03	2.8824e+03
936	51	8.1217e+03	4.6015e+01	-2.1756e+02	5.3334e+01	1.3799e+04	9.5167e+03
	160	-8.1217e+03	-4.6015e+01	2.1756e+02	-5.3334e+01	5.7997e+04	5.6684e+03
937	50	8.0498e+03	6.3712e+01	-2.4973e+02	5.3334e+01	1.8420e+04	1.2394e+04
	159	-8.0498e+03	-6.3712e+01	2.4973e+02	-5.3334e+01	6.3992e+04	8.6306e+03
938	49	7.9457e+03	3.9122e+01	-2.6969e+02	5.3334e+01	2.1520e+04	1.2563e+04
	158	-7.9457e+03	-3.9122e+01	2.6969e+02	-5.3334e+01	6.7480e+04	3.4688e+02
939	48	8.2218e+03	-9.0902e+01	-2.5335e+02	5.3334e+01	1.8542e+04	-2.1000e+04
	157	-8.2218e+03	9.0902e+01	2.5335e+02	-5.3334e+01	6.5063e+04	-8.9975e+03
940	47	8.4878e+03	5.1239e+01	5.8664e+00	5.3334e+01	7.4027e+03	1.0380e+04
	156	-8.4878e+03	-5.1239e+01	-5.8664e+00	-5.3334e+01	-9.3387e+03	6.5290e+03
941	46	7.2198e+03	4.9221e+01	-6.8759e+00	5.3334e+01	9.5158e+03	1.1386e+04
	155	-7.2198e+03	-4.9221e+01	6.8759e+00	-5.3334e+01	-7.2468e+03	4.8564e+03
942	45	6.1177e+03	4.7657e+01	-1.7034e+01	5.3334e+01	1.0904e+04	1.2054e+04
	154	-6.1177e+03	-4.7657e+01	1.7034e+01	-5.3334e+01	-5.2830e+03	3.6725e+03
943	44	7.3808e+03	-8.9619e+01	-9.8106e+00	5.3334e+01	1.0253e+04	-2.0251e+04
	153	-7.3808e+03	8.9619e+01	9.8106e+00	-5.3334e+01	-7.0159e+03	-9.3233e+03
944	43	8.6928e+03	-3.0073e+01	-2.4321e+02	5.3334e+01	1.7488e+04	-6.1616e+03
	152	-8.6928e+03	3.0073e+01	2.4321e+02	-5.3334e+01	6.2772e+04	-3.7627e+03
945	42	9.1620e+03	3.7066e+01	-1.0622e+01	5.3334e+01	1.0510e+04	3.8643e+03
	151	-9.1620e+03	-3.7066e+01	1.0622e+01	-5.3334e+01	-7.0047e+03	8.3675e+03
946	41	1.2389e+04	3.3950e+01	-3.9251e+02	5.3334e+01	3.9565e+04	8.6119e+03
	150	-1.2389e+04	-3.3950e+01	3.9251e+02	-5.3334e+01	8.9962e+04	2.5916e+03
947	40	1.1128e+04	5.4516e+01	-3.9845e+02	5.3334e+01	4.2781e+04	1.1058e+04
	149	-1.1128e+04	-5.4516e+01	3.9845e+02	-5.3334e+01	8.8706e+04	6.9319e+03
948	39	6.7298e+03	-1.2456e+02	-1.7034e+01	5.3334e+01	3.9836e+03	1.3795e+03
	148	-6.7298e+03	1.2456e+02	1.7034e+01	-5.3334e+01	1.6378e+03	-4.2483e+04
949	38	1.3230e+04	4.3941e+01	-1.6340e+01	5.3334e+01	3.0087e+03	9.3303e+03
	147	-1.3230e+04	-4.3941e+01	1.6340e+01	-5.3334e+01	2.3836e+03	5.1701e+03
950	37	1.1302e+04	4.7006e+01	-2.4328e+00	5.3334e+01	-2.2085e+02	1.2129e+04
	146	-1.1302e+04	-4.7006e+01	2.4328e+00	-5.3334e+01	1.0237e+03	3.3827e+03
951	36	6.9950e+03	7.4133e+01	2.3060e+01	5.3334e+01	-7.3156e+03	8.2069e+03
	145	-6.9950e+03	-7.4133e+01	-2.3060e+01	-5.3334e+01	-2.9412e+02	1.6257e+04
952	35	8.7365e+03	-1.0028e+02	2.9537e-01	5.3334e+01	-3.8320e+03	-1.1835e+04
	144	-8.7365e+03	1.0028e+02	-2.9537e-01	-5.3334e+01	3.7345e+03	-2.1257e+04
953	34	1.4250e+04	-7.0526e+00	6.2791e+00	5.3334e+01	-3.4778e+03	-5.2733e+02
	143	-1.4250e+04	7.0526e+00	-6.2791e+00	-5.3334e+01	1.4057e+03	-1.8000e+03
954	33	1.6000e+04	3.0369e+01	5.7384e+00	5.3334e+01	-3.5610e+02	6.1293e+03

	142	-1.6000e+04	-3.0369e+01	-5.7384e+00	-5.3334e+01	-1.5376e+03	3.8925e+03
955	32	1.0876e+04	7.6127e+01	7.1789e+00	5.3334e+01	-8.1482e+02	1.7061e+04
	141	-1.0876e+04	-7.6127e+01	-7.1789e+00	-5.3334e+01	-1.5542e+03	8.0610e+03
956	31	7.8200e+03	-1.9753e+02	3.9105e+00	5.3334e+01	-7.0004e+02	-3.1219e+04
	140	-7.8200e+03	1.9753e+02	-3.9105e+00	-5.3334e+01	-5.9043e+02	-3.3965e+04
957	30	1.1099e+04	8.4186e+01	-1.3134e+01	5.3334e+01	1.9569e+01	1.8921e+04
	139	-1.1099e+04	-8.4186e+01	1.3134e+01	-5.3334e+01	4.3147e+03	8.8607e+03
958	29	8.9258e+03	6.3047e+01	1.1533e+01	5.3334e+01	-4.0519e+03	1.6289e+04
	138	-8.9258e+03	-6.3047e+01	-1.1533e+01	-5.3334e+01	2.4590e+02	4.5169e+03
959	28	8.9533e+03	-1.6102e+01	1.6078e+00	5.3334e+01	-2.8888e+03	-5.1985e+03
	137	-8.9533e+03	1.6102e+01	-1.6078e+00	-5.3334e+01	2.3582e+03	-1.1534e+02
960	27	4.6863e+03	-4.1661e+00	-1.0305e+02	5.3334e+01	1.5643e+04	-2.2944e+03
	136	-4.6863e+03	4.1661e+00	1.0305e+02	-5.3334e+01	1.8362e+04	9.1956e+02
961	26	4.7392e+03	2.5807e+01	-1.0494e+02	5.3334e+01	1.5771e+04	7.9675e+03
	135	-4.7392e+03	-2.5807e+01	1.0494e+02	-5.3334e+01	1.8859e+04	5.4881e+02
962	582	3.3695e+03	1.0119e+02	-5.6355e+01	5.3334e+01	7.2438e+03	1.1948e+04
	134	-3.3695e+03	-1.0119e+02	5.6355e+01	-5.3334e+01	1.1353e+04	2.1444e+04
963	469	6.0822e+02	-6.4076e+00	-6.4025e+00	5.3334e+01	6.0358e+02	-5.4048e+02
	133	-6.0822e+02	6.4076e+00	6.4025e+00	-5.3334e+01	1.5092e+03	-1.5740e+03
964	23	4.5067e+03	-1.2948e+02	-1.1731e+02	5.3334e+01	1.6860e+04	-2.0867e+04
	132	-4.5067e+03	1.2948e+02	1.1731e+02	-5.3334e+01	2.1854e+04	-2.1860e+04
965	22	4.7392e+03	4.3509e+01	-1.1592e+02	5.3334e+01	1.7662e+04	8.9434e+03
	131	-4.7392e+03	-4.3509e+01	1.1592e+02	-5.3334e+01	2.0590e+04	5.4146e+03
966	21	2.0869e+03	1.0818e+01	4.1912e+01	5.3334e+01	-8.7187e+03	2.8763e+03
	130	-2.0869e+03	-1.0818e+01	-4.1912e+01	-5.3334e+01	-5.1124e+03	6.9375e+02
361	256	1.7053e-13	6.1311e+02	4.3118e+00	6.6218e+02	-9.1068e+02	3.0908e+04
	2	-1.7053e-13	6.3626e+02	-4.3118e+00	-6.6218e+02	-4.7060e+02	-3.4617e+04
362	252	1.1369e-13	6.2790e+02	-2.9061e+00	1.5743e+02	2.4772e+02	3.3530e+04
	256	-1.1369e-13	6.1230e+02	2.9061e+00	-1.5743e+02	6.7642e+02	-3.1049e+04
363	250	-5.6843e-14	6.2997e+02	-3.6751e+00	-6.6045e+02	-3.4149e+02	3.1949e+04
	252	5.6843e-14	6.1023e+02	3.6751e+00	6.6045e+02	1.5102e+03	-2.8811e+04
364	251	1.1369e-13	3.6825e+01	-1.3717e+01	3.2452e+02	3.3506e+03	8.9951e+03
	250	-1.1369e-13	-3.6825e+01	1.3717e+01	-3.2452e+02	1.0114e+03	2.7152e+03
365	254	1.7053e-13	-4.7310e+01	1.7623e+01	2.2969e+03	-1.7678e+03	-4.7459e+03
	251	-1.7053e-13	4.7310e+01	-1.7623e+01	-2.2969e+03	-3.9596e+03	-1.0630e+04
366	255	-1.1369e-13	6.5577e+02	-5.2978e+00	6.9151e+02	-1.1557e+03	3.2076e+04
	254	1.1369e-13	6.2733e+02	5.2978e+00	-6.9151e+02	2.8986e+03	-2.7397e+04
367	253	5.6843e-14	8.3438e+01	-3.1080e+01	-2.6030e+03	5.4337e+03	1.4587e+04
	255	-5.6843e-14	-8.3438e+01	3.1080e+01	2.6030e+03	3.9682e+03	1.0653e+04
368	59	-5.6843e-14	-2.6831e+01	9.9945e+00	-6.9567e+02	-9.2820e+02	-2.4918e+03
	253	5.6843e-14	2.6831e+01	-9.9945e+00	6.9567e+02	-2.1837e+03	-5.8623e+03
377	54	-5.6843e-14	6.4334e+02	-6.9499e+00	-2.0871e+03	8.7615e+02	3.5705e+04
	236	5.6843e-14	6.0603e+02	6.9499e+00	2.0871e+03	1.3502e+03	-2.9728e+04
378	236	1.1369e-13	6.0510e+02	5.5880e+00	1.1402e+02	-1.0925e+03	2.9932e+04
	244	-1.1369e-13	6.3510e+02	-5.5880e+00	-1.1402e+02	-6.8444e+02	-3.4703e+04
379	244	0.0000e+00	6.0177e+02	6.8268e+00	3.9702e+02	-9.6805e+02	3.0266e+04
	238	0.0000e+00	6.3843e+02	-6.8268e+00	-3.9702e+02	-1.2029e+03	-3.6095e+04
380	238	-1.7053e-13	6.2878e+02	-3.2337e+00	-5.5279e+02	8.8041e+02	3.5229e+04
	239	1.7053e-13	6.1142e+02	3.2337e+00	5.5279e+02	1.4790e+02	-3.2468e+04
381	239	1.7053e-13	6.6407e+02	-3.6679e+00	-1.6977e+03	4.9447e+02	3.7910e+04

	247	-1.7053e-13	6.4438e+02	3.6679e+00	1.6977e+03	7.3610e+02	-3.4606e+04
382	247	0.0000e+00	6.6164e+02	-2.2737e+01	-1.6770e+04	3.8383e+03	4.1135e+04
	234	0.0000e+00	5.3956e+02	2.2737e+01	1.6770e+04	3.1646e+03	-2.2335e+04
383	234	-5.6843e-14	5.5479e+02	2.0698e+01	1.0174e+03	-4.5999e+03	1.9491e+04
	235	5.6843e-14	6.6591e+02	-2.0698e+01	-1.0174e+03	-1.8784e+03	-3.6883e+04
384	235	0.0000e+00	4.8671e+02	4.4864e+01	1.9843e+04	-6.5274e+03	1.3984e+04
	56	0.0000e+00	7.2760e+02	-4.4864e+01	-1.9843e+04	-7.4415e+03	-5.1485e+04
446	307	8.5265e-14	5.9666e+02	1.0439e+01	1.2783e+03	-1.9093e+03	2.8227e+04
	165	-8.5265e-14	6.5271e+02	-1.0439e+01	-1.2783e+03	-1.4348e+03	-3.7205e+04
447	300	-8.5265e-14	6.3023e+02	-3.7736e+00	1.3287e+02	2.7774e+02	3.3611e+04
	307	8.5265e-14	6.0997e+02	3.7736e+00	-1.3287e+02	9.2226e+02	-3.0389e+04
448	303	-2.2737e-13	6.4334e+02	-8.6570e+00	-1.4203e+03	4.0887e+02	3.3963e+04
	300	2.2737e-13	5.9686e+02	8.6570e+00	1.4203e+03	2.3441e+03	-2.6572e+04
449	314	1.7053e-13	5.3967e+01	-2.0102e+01	6.6068e+02	4.4917e+03	1.2058e+04
	303	-1.7053e-13	-5.3967e+01	2.0102e+01	-6.6068e+02	1.9009e+03	5.1031e+03
450	302	-1.4211e-13	-7.3968e+01	2.7553e+01	2.5878e+03	-3.4488e+03	-9.2586e+03
	314	1.4211e-13	7.3968e+01	-2.7553e+01	-2.5878e+03	-5.5059e+03	-1.4781e+04
451	308	-8.5265e-14	6.6192e+02	-7.5872e+00	1.5314e+03	-6.7432e+02	3.3368e+04
	302	8.5265e-14	6.2118e+02	7.5872e+00	-1.5314e+03	3.1705e+03	-2.6667e+04
452	313	5.6843e-14	1.1914e+02	-4.4381e+01	-3.3789e+03	7.3337e+03	1.9688e+04
	308	-5.6843e-14	-1.1914e+02	4.4381e+01	3.3789e+03	6.0914e+03	1.6353e+04
453	80	8.5265e-14	-5.0081e+01	1.8655e+01	-1.2186e+03	-2.5477e+03	-6.8395e+03
	313	-8.5265e-14	5.0081e+01	-1.8655e+01	1.2186e+03	-3.2607e+03	-8.7537e+03
462	125	8.5265e-14	6.7019e+02	-1.6950e+01	-3.7318e+02	2.4661e+03	3.9974e+04
	317	-8.5265e-14	5.7918e+02	1.6950e+01	3.7318e+02	2.9638e+03	-2.5397e+04
463	317	0.0000e+00	6.0529e+02	5.5149e+00	6.0929e+02	-1.1878e+03	2.9676e+04
	324	0.0000e+00	6.3491e+02	-5.5149e+00	-6.0929e+02	-5.6588e+02	-3.4384e+04
464	324	2.8422e-14	6.0274e+02	6.4654e+00	5.7613e+02	-8.5647e+02	3.0566e+04
	331	-2.8422e-14	6.3746e+02	-6.4654e+00	-5.7613e+02	-1.1995e+03	-3.6086e+04
465	331	5.6843e-14	6.3652e+02	-6.1173e+00	-4.9937e+02	1.2292e+03	3.6165e+04
	319	-5.6843e-14	6.0368e+02	6.1173e+00	4.9937e+02	7.1616e+02	-3.0943e+04
466	319	-1.7053e-13	6.6756e+02	-4.9687e+00	-1.2740e+03	8.0637e+02	3.8747e+04
	310	1.7053e-13	6.4089e+02	4.9687e+00	1.2740e+03	8.6062e+02	-3.4272e+04
467	310	-2.8422e-14	7.0488e+02	-3.8845e+01	-1.4069e+04	6.2103e+03	4.7503e+04
	329	2.8422e-14	4.9632e+02	3.8845e+01	1.4069e+04	5.7541e+03	-1.5384e+04
468	329	0.0000e+00	5.5580e+02	2.0319e+01	2.8295e+03	-4.5585e+03	1.9602e+04
	323	0.0000e+00	6.6490e+02	-2.0319e+01	-2.8295e+03	-1.8014e+03	-3.6676e+04
469	323	9.9476e-14	4.1994e+02	6.9738e+01	1.2670e+04	-1.0020e+04	4.6087e+03
	75	-9.9476e-14	7.9437e+02	-6.9738e+01	-1.2670e+04	-1.1694e+04	-6.2901e+04
564	441	0.0000e+00	-5.6588e+01	-2.1079e+01	2.4867e+03	2.7590e+03	-7.4067e+03
	170	0.0000e+00	5.6588e+01	2.1079e+01	-2.4867e+03	3.9937e+03	-1.0721e+04
565	459	0.0000e+00	7.9338e+00	2.9553e+00	-7.4624e+02	4.2301e+02	-1.1356e+03
	441	0.0000e+00	-7.9338e+00	-2.9553e+00	7.4624e+02	-1.3628e+03	3.6586e+03
566	439	-4.5475e-13	4.5962e+01	1.7121e+01	-2.8483e+03	-2.5109e+03	6.7407e+03
	459	4.5475e-13	-4.5962e+01	-1.7121e+01	2.8483e+03	-2.9335e+03	7.8752e+03
567	444	-2.2737e-13	8.0888e+01	3.0131e+01	1.3824e+03	-5.7403e+03	1.5410e+04
	439	2.2737e-13	-8.0888e+01	-3.0131e+01	-1.3824e+03	-3.8412e+03	1.0312e+04
568	423	2.2737e-13	-1.0321e+02	-3.8447e+01	1.3866e+03	5.8359e+03	-1.5667e+04
	444	-2.2737e-13	1.0321e+02	3.8447e+01	-1.3866e+03	6.6593e+03	-1.7877e+04
569	468	2.2737e-13	7.9052e+00	2.9446e+00	4.1369e+03	5.6907e+02	-1.5277e+03

	423	-2.2737e-13	-7.9052e+00	-2.9446e+00	-4.1369e+03	-1.5379e+03	4.1285e+03
570	432	-4.5475e-13	1.3836e+02	5.1539e+01	-3.2705e+03	-7.7063e+03	2.0688e+04
	468	4.5475e-13	-1.3836e+02	-5.1539e+01	3.2705e+03	-7.8841e+03	2.1166e+04
571	84	-6.8212e-13	-5.5893e+01	-2.0820e+01	-2.2890e+03	2.3578e+03	-6.3297e+03
	432	6.8212e-13	5.5893e+01	2.0820e+01	2.2890e+03	4.1247e+03	-1.1073e+04
580	163	-4.5475e-13	7.3927e+01	2.7538e+01	-1.0533e+03	-4.9613e+03	1.3319e+04
	419	4.5475e-13	-7.3927e+01	-2.7538e+01	1.0533e+03	-3.8604e+03	1.0364e+04
581	419	0.0000e+00	-2.0054e+01	-7.4701e+00	1.0640e+03	1.8149e+03	-4.8722e+03
	443	0.0000e+00	2.0054e+01	7.4701e+00	-1.0640e+03	5.6061e+02	-1.5050e+03
582	443	0.0000e+00	-1.5076e+01	-5.6158e+00	1.1636e+03	6.2239e+02	-1.6708e+03
	417	0.0000e+00	1.5076e+01	5.6158e+00	-1.1636e+03	1.1635e+03	-3.1234e+03
583	417	-2.2737e-13	2.1286e+01	7.9291e+00	-9.4449e+02	-1.4571e+03	3.9118e+03
	438	2.2737e-13	-2.1286e+01	-7.9291e+00	9.4449e+02	-1.0643e+03	2.8573e+03
584	438	0.0000e+00	3.4285e+00	1.2771e+00	-4.1329e+02	-5.5489e+02	1.4896e+03
	448	0.0000e+00	-3.4285e+00	-1.2771e+00	4.1329e+02	1.2642e+02	-3.3939e+02
585	448	0.0000e+00	1.1509e+02	4.2871e+01	3.5151e+03	-6.1506e+03	1.6512e+04
	434	0.0000e+00	-1.1509e+02	-4.2871e+01	-3.5151e+03	-7.0538e+03	1.8937e+04
586	434	-4.5475e-13	-2.4889e+01	-9.2712e+00	2.6324e+03	2.8831e+03	-7.7399e+03
	433	4.5475e-13	2.4889e+01	9.2712e+00	-2.6324e+03	1.8787e+01	-5.0435e+01
587	433	0.0000e+00	-2.1298e+02	-7.9334e+01	-5.0571e+03	1.1309e+04	-3.0360e+04
	79	0.0000e+00	2.1298e+02	7.9334e+01	5.0571e+03	1.3393e+04	-3.5953e+04
597	441	0.0000e+00	1.1338e+02	4.2233e+01	2.7222e+01	-3.8962e+03	1.0460e+04
	424	0.0000e+00	-1.1338e+02	-4.2233e+01	-2.7222e+01	-4.2759e+03	1.1479e+04
635	367	1.1369e-13	5.9773e+02	1.0042e+01	1.2027e+03	-2.2260e+03	2.7377e+04
	167	-1.1369e-13	6.5164e+02	-1.0042e+01	-1.2027e+03	-9.9089e+02	-3.6013e+04
636	349	1.1369e-13	6.3011e+02	-3.7301e+00	2.5822e+02	3.3292e+02	3.3759e+04
	367	-1.1369e-13	6.1009e+02	3.7301e+00	-2.5822e+02	8.5323e+02	-3.0575e+04
637	355	-1.1369e-13	6.4982e+02	-1.1069e+01	-1.4905e+03	6.3314e+02	3.4565e+04
	349	1.1369e-13	5.9038e+02	1.1069e+01	1.4905e+03	2.8869e+03	-2.5115e+04
638	366	4.5475e-13	5.3474e+01	-1.9919e+01	9.3955e+02	4.6042e+03	1.2360e+04
	355	-4.5475e-13	-5.3474e+01	1.9919e+01	-9.3955e+02	1.7300e+03	4.6444e+03
639	368	0.0000e+00	-7.7949e+01	2.9036e+01	2.7440e+03	-3.5438e+03	-9.5136e+03
	366	0.0000e+00	7.7949e+01	-2.9036e+01	-2.7440e+03	-5.8928e+03	-1.5820e+04
640	352	2.2737e-13	6.6126e+02	-7.3433e+00	1.4433e+03	-1.0187e+03	3.2444e+04
	368	-2.2737e-13	6.2184e+02	7.3433e+00	-1.4433e+03	3.4346e+03	-2.5958e+04
641	353	1.1369e-13	1.2747e+02	-4.7482e+01	-3.7225e+03	7.9888e+03	2.1447e+04
	352	-1.1369e-13	-1.2747e+02	4.7482e+01	3.7225e+03	6.3746e+03	1.7113e+04
642	82	4.5475e-13	-4.4246e+01	1.6481e+01	-8.2402e+02	-2.1673e+03	-5.8184e+03
	353	-4.5475e-13	4.4246e+01	-1.6481e+01	8.2402e+02	-2.9644e+03	-7.9581e+03
651	129	0.0000e+00	6.7072e+02	-1.7148e+01	-6.6361e+02	2.1503e+03	3.9126e+04
	380	0.0000e+00	5.7865e+02	1.7148e+01	6.6361e+02	3.3432e+03	-2.4378e+04
652	380	0.0000e+00	6.0871e+02	4.2437e+00	5.3252e+02	-9.4777e+02	3.0321e+04
	370	0.0000e+00	6.3149e+02	-4.2437e+00	-5.3252e+02	-4.0173e+02	-3.3944e+04
653	370	1.1369e-13	6.0343e+02	6.2091e+00	5.2616e+02	-8.3416e+02	3.0626e+04
	383	-1.1369e-13	6.3677e+02	-6.2091e+00	-5.2616e+02	-1.1403e+03	-3.5927e+04
654	383	1.1369e-13	6.3851e+02	-6.8580e+00	-5.6016e+02	1.3966e+03	3.6614e+04
	371	-1.1369e-13	6.0169e+02	6.8580e+00	5.6016e+02	7.8428e+02	-3.0760e+04
655	371	0.0000e+00	6.6918e+02	-5.5704e+00	-1.8025e+03	8.4082e+02	3.8839e+04
	354	0.0000e+00	6.3927e+02	5.5704e+00	1.8025e+03	1.0280e+03	-3.3822e+04
656	354	-1.1369e-13	7.1808e+02	-4.3760e+01	-1.6654e+04	7.1150e+03	4.9932e+04

	385	1.1369e-13	4.8312e+02	4.3760e+01	1.6654e+04	6.3630e+03	-1.3749e+04
657	385	-1.1369e-13	5.4281e+02	2.5158e+01	1.3547e+03	-5.3706e+03	1.7422e+04
	386	1.1369e-13	6.7789e+02	-2.5158e+01	-1.3547e+03	-2.5038e+03	-3.8562e+04
658	386	0.0000e+00	4.4618e+02	5.9961e+01	1.8000e+04	-9.2631e+03	6.6400e+03
	77	0.0000e+00	7.6813e+02	-5.9961e+01	-1.8000e+04	-9.4066e+03	-5.6760e+04
Elem	Nodo	Nx	Ny	Nxy	Mx	My	Mxy
28	484	0.0000e+00	2.4465e-01	-2.7324e-01	-1.3990e+01	2.9006e+01	2.3792e+01
	482	0.0000e+00	-1.0717e+00	3.3980e-02	9.7470e-01	6.5445e+01	-5.5319e+00
	564	-5.6584e-01	-1.0717e+00	6.4010e-01	-2.6030e+01	-7.8288e+01	2.8026e+01
29	563	1.3026e-01	-5.7787e-02	-1.0971e-01	-2.6421e+01	3.2677e+01	5.0368e+00
	484	1.3026e-01	-1.6219e-01	1.3251e-01	2.6869e+01	2.7808e+01	5.2163e+00
	564	-3.9578e-01	-5.7787e-02	-5.3031e-02	-2.6226e+01	-3.2186e+01	-2.5059e-01
30	563	-5.7787e-02	-5.3762e-01	1.8300e-01	2.2792e+01	5.3861e+01	2.0530e+01
	564	-5.7787e-02	-1.0026e+00	1.2632e-01	-2.9555e+01	8.3060e+01	-2.7737e+00
	544	4.6615e-02	-1.0026e+00	3.4044e-01	-5.1016e+01	-9.6011e+01	2.4116e+01
31	543	1.6785e-01	-4.2795e-02	-1.2083e-01	-4.7194e+01	6.5512e+01	-4.6255e-01
	563	1.6785e-01	-2.2142e-02	1.6119e-01	3.3703e+01	5.3324e+01	-9.7551e+00
	544	-4.4462e-01	-4.2795e-02	-1.3204e-01	-5.7284e+01	-7.0999e+01	-1.3697e+01
32	543	-4.2795e-02	-2.7486e-01	-3.0437e-03	5.1172e+01	4.8349e+01	3.4561e+01
	544	-4.2795e-02	-1.6163e+00	8.1696e-03	-6.3751e+01	8.9992e+01	3.1938e+00
	1	-6.3448e-02	-1.6163e+00	6.2584e-01	-9.2638e+01	-2.0140e+02	4.1544e+01
33	58	2.4376e-01	0.0000e+00	-3.4138e-01	-5.9118e+01	2.3401e+01	1.9895e+01
	543	2.4376e-01	-5.0510e-01	-9.1530e-03	4.3165e+01	9.3169e+01	-5.9861e+00
	1	-4.7774e-01	0.0000e+00	-6.7139e-02	-8.7221e+01	2.3184e+01	9.5654e+01
34	523	3.1851e-02	-1.0187e+00	-7.4842e-02	8.1983e+00	-5.2236e+00	-5.8091e+00
	561	3.1851e-02	2.9148e-01	-1.6292e-01	-2.8441e+01	2.2977e+01	8.5995e+00
	541	1.9537e-01	2.9148e-01	-7.7104e-01	-1.5066e+01	-5.1481e+01	3.4777e+01
35	519	-1.6240e+00	-9.8833e-04	2.9625e-01	-1.1170e+01	6.1630e+00	4.4293e+00
	523	-1.6240e+00	1.1616e-01	-1.6069e-01	9.7271e+00	6.6597e+00	1.2378e+01
	541	-6.3954e-01	-9.8833e-04	2.3316e-01	-2.6070e+00	8.0526e+00	4.9644e+00
36	519	-9.8833e-04	-3.8390e-01	-3.8573e-01	3.7193e+00	2.6958e+00	6.3957e+00
	541	-9.8833e-04	7.5571e-02	-3.2263e-01	1.1466e+01	2.8106e+01	2.2959e+00
	536	-1.1813e-01	7.5571e-02	-5.3589e-01	7.6607e+00	-3.7549e+01	2.5883e+01
37	52	-1.3629e+00	0.0000e+00	2.0822e-01	-8.6668e+01	-8.7454e+00	-2.4576e+01
	519	-1.3629e+00	-2.7588e-01	-2.1674e-01	4.4061e+01	-2.4702e-01	2.2264e+01
	536	-4.4735e-01	0.0000e+00	3.5682e-01	-3.6209e+01	8.6219e+00	-1.5420e+01
38	523	-3.9577e+00	3.1851e-02	1.0326e+00	4.2920e+01	-1.0954e+01	-8.2185e+00
	161	-3.9577e+00	1.4074e-16	9.5342e-01	-2.3140e+02	-3.5214e+01	4.8218e+01
	486	5.9688e-01	1.4074e-16	-6.8278e-01	-1.8025e+01	3.9061e+01	6.9405e+01
	561	5.9688e-01	3.1851e-02	-6.0356e-01	-4.8860e+01	-2.4532e+01	1.2968e+01
39	560	-4.2112e-01	-1.2722e-01	-2.0333e-01	-9.9442e+01	-2.2697e+01	5.7331e+00
	579	-4.2112e-01	-5.6295e-16	-1.0670e+00	-8.9340e+01	9.6651e+01	-6.8588e+01
	161	-3.9577e+00	-5.6295e-16	-1.5989e+00	-3.7444e+02	-1.0096e+02	-6.0488e+01
	523	-3.9577e+00	-1.2722e-01	-7.3521e-01	8.1457e+01	-4.7172e+00	1.3833e+01
40	540	-1.0536e+00	-1.2313e-01	-1.1275e-01	-4.0526e+01	-1.6920e+01	-1.1992e+00
	560	-1.0536e+00	-1.2722e-01	-3.3849e-01	-4.5477e+01	-2.8631e+01	4.5395e+00
	523	-1.6240e+00	-1.2722e-01	-3.8224e-02	-6.4852e+01	-2.7183e+00	4.1337e+00
	519	-1.6240e+00	-1.2313e-01	1.8752e-01	-1.3105e+01	-1.3272e+01	-1.6051e+00
41	412	-8.2148e-01	0.0000e+00	-2.7106e-01	-2.8323e+01	-5.2712e+00	-8.3964e+00
	540	-8.2148e-01	-1.2313e-01	1.0501e-01	-4.6330e+01	-4.5060e+00	-5.2575e+00
	519	-1.3629e+00	-1.2313e-01	3.9349e-01	-5.2259e+01	-2.0639e+01	-1.2431e+01
	52	-1.3629e+00	0.0000e+00	1.7414e-02	-1.7992e+01	5.9295e-01	-1.5570e+01
42	557	7.6816e-02	2.9525e-02	-4.0788e-01	-7.3564e+01	3.3614e+01	-3.6409e-02
	490	1.1987e-01	-9.4129e-02	-7.4776e-01	3.2678e+01	1.9541e+01	-4.5627e+01
	488	-2.1935e+00	-1.2262e-01	-1.0477e+00	-1.0181e+02	-2.7008e+01	-6.2134e+01

	481	-1.9862e+00	1.9599e-01	-1.9074e-01	-2.6977e+01	3.8954e-01	-3.3602e+01
43	480	-3.9947e-01	-1.1169e-01	3.1115e-01	-5.2440e+01	9.4623e-01	3.6820e+01
	558	-4.7219e-01	3.6929e-02	3.5291e-01	-4.4094e+01	-1.1772e+01	1.4531e+01
	557	-5.8183e-01	-1.1466e-01	4.8287e-01	-9.9893e+00	1.9386e+01	1.7732e+01
	481	-6.5456e-01	-5.8158e-01	6.7017e-01	-5.0062e+01	8.8969e+00	1.1578e+01
44	577	6.2405e-01	1.3832e-01	7.6555e-01	-1.3874e+01	3.2151e+00	-1.6535e+01
	480	7.8223e-01	3.0610e-02	-7.1306e-02	-4.0316e+01	1.0906e+01	-3.9511e+01
	481	-2.0029e+00	-1.2921e-02	-4.3382e-01	-5.7303e+01	-2.8226e+01	-4.4961e+01
	488	-1.8448e+00	9.6695e-02	4.2802e-01	-8.7049e+01	-8.9491e+00	-2.7477e+01
45	559	1.9331e-02	-6.1618e-01	-3.1874e-01	-3.6714e+00	-3.8298e+01	9.0741e+00
	558	1.9331e-02	-5.6162e-01	1.3619e-01	-1.8053e+01	-4.1706e+01	7.0179e+00
	480	1.0761e-01	-5.6162e-01	1.4230e-01	9.6303e-01	-7.1819e+01	2.7494e+00
	472	1.0761e-01	-6.4457e-01	-4.1522e-01	-2.3218e+01	-6.2992e+01	4.1072e+00
46	489	-3.4041e-01	-1.1525e+00	-9.9094e-01	-2.0618e+01	-1.1852e+02	-4.2827e+01
	578	-2.1156e-01	1.8654e-01	-5.2847e-01	1.4652e+00	-5.1328e-01	-3.0835e+01
	559	-2.3829e-01	6.3567e-02	-2.0819e-01	1.1115e+01	-6.7295e+01	-1.9367e+00
	472	-3.9706e-02	-2.2622e+00	-4.0851e-01	-1.3921e+01	-1.0335e+02	1.3657e-01
47	577	-5.4138e-16	7.6238e-01	1.1783e+00	1.0647e+01	-2.4933e+01	5.0425e+01
	489	-4.9560e-16	-3.0462e+00	7.3091e-01	-2.2947e+01	-1.3982e+02	4.1754e+01
	472	1.0761e-01	-1.9576e+00	-3.4736e-01	-4.2872e+01	-9.5874e+01	7.4678e+00
	480	1.0761e-01	7.6238e-01	1.2789e-01	1.2064e+01	-6.9383e+01	1.0620e+01
48	24	-1.0626e-02	2.9509e-02	-2.4507e-01	6.0147e+00	-1.7609e+01	1.1426e+00
	427	-1.0626e-02	0.0000e+00	-3.0156e-01	8.0702e+00	-3.6077e-01	3.5140e-01
	490	2.5743e-02	0.0000e+00	-4.5788e-01	-3.8350e+01	2.7566e+00	-5.7008e+00
	557	2.5743e-02	2.9509e-02	-4.0140e-01	4.8074e+01	2.4398e+01	-4.9095e+00
49	505	-7.8544e-02	2.7407e-03	-7.1259e-02	-3.2241e+01	-4.2947e-01	-1.1789e+01
	428	-7.8544e-02	0.0000e+00	-6.3491e-02	-8.4521e+01	-3.1267e+00	5.9650e+00
	427	-1.0626e-02	0.0000e+00	-1.3766e-01	-9.4663e+00	3.2684e+00	8.3779e+00
	24	-1.0626e-02	2.7407e-03	-1.4543e-01	-9.2975e+00	-1.1773e+00	-9.3761e+00
50	604	1.5581e-01	-1.4982e-01	-6.3238e-02	-4.6864e+01	-8.0572e+00	-2.8371e+01
	430	1.0957e-01	-1.8483e-01	-1.3660e-01	-7.1720e+01	-1.6493e+01	-3.7728e+01
	428	3.9267e-02	-1.1781e-01	-9.5533e-02	-8.0824e+01	-2.6619e+01	-4.6775e+01
	505	-6.9689e-03	-9.6106e-02	-5.9783e-02	-3.7899e+01	-1.6684e+01	-2.1578e+01
51	603	9.3116e-02	-1.4124e-01	-1.0293e-01	-2.5119e+01	-1.8388e+00	-5.3193e+00
	583	1.4351e-01	-1.9261e-01	-1.3423e-01	-2.7233e+00	-1.2746e+01	-1.7898e+01
	430	7.8031e-02	-2.3571e-01	-1.9129e-01	-5.4792e+01	-3.9129e+01	-4.2778e+01
	604	1.2843e-01	-1.5287e-01	-1.0365e-01	-3.9655e+01	-5.7902e+00	-1.7217e+01
52	602	1.2034e-02	-1.7117e-02	3.2126e-02	2.0513e-01	7.2494e-01	2.4874e+00
	437	5.9193e-02	3.2397e-02	-4.8829e-02	1.4282e+00	3.7429e+00	-1.1526e+00
	583	-1.4176e-01	9.2668e-02	-6.8126e-02	-7.2947e+00	1.4460e+00	-7.3462e-01
	603	-9.4605e-02	5.7877e-02	-2.4866e-02	-3.1208e+00	1.2478e+00	2.4398e+00
53	601	1.7096e-01	-1.9143e-01	2.4726e-02	-1.4033e+01	-5.6157e+00	1.1981e+01
	446	1.7096e-01	-1.3705e-01	-4.1525e-03	-1.6266e+01	-2.2309e+01	1.7394e+01
	437	2.8080e-02	-1.2676e-01	5.5977e-02	3.2758e+00	-8.8728e+00	3.9395e+00
	602	2.8080e-02	-1.8114e-01	8.4855e-02	-9.2453e+00	-3.9852e+00	2.5416e+00
54	600	1.7882e-01	-2.2500e-01	1.0423e-01	-2.8898e+01	-1.2235e+01	1.7633e+01
	455	1.7538e-01	-2.1495e-01	9.5263e-02	-5.5852e+01	-3.0453e+01	3.8197e+01
	446	1.5050e-01	-2.0886e-01	9.9435e-02	-3.7370e+01	-1.7142e+01	2.7337e+01
	601	1.4706e-01	-2.2133e-01	1.1253e-01	-3.0279e+01	-7.7100e+00	1.6400e+01
55	599	3.7458e-02	-1.2437e-01	1.2491e-01	-3.5971e+01	-1.3878e+01	2.3077e+01
	460	3.7458e-02	-1.3281e-01	1.3575e-01	-7.2479e+01	-1.9263e+01	3.6349e+01
	455	1.3156e-01	-1.6890e-01	1.5334e-01	-8.3556e+01	-1.4041e+01	3.8539e+01
	600	1.3156e-01	-1.6047e-01	1.4249e-01	-4.2245e+01	-7.6702e+00	2.3632e+01
56	598	-2.4783e-01	-1.1350e-01	2.7004e-01	-8.5797e+01	-1.4750e+01	1.1398e+01
	25	-2.9790e-01	-6.1155e-02	1.6721e-01	-1.8906e+02	-2.0301e+01	5.6233e+01
	460	1.6921e-02	-2.6672e-02	5.6040e-02	-1.1176e+02	-6.4415e+00	4.2508e+01
	599	-3.3151e-02	-8.4553e-02	1.8243e-01	-6.5768e+01	7.2828e+00	1.6004e+01

57	597	-1.3421e-01	1.5488e-02	-2.9414e-01	-1.6590e+01	-2.9172e+01	-4.0670e+00
	24	-1.3421e-01	2.9509e-02	-2.4552e-01	-2.1804e+01	-1.9697e+01	7.2351e-01
	557	-1.9355e-01	2.9509e-02	-3.7920e-01	-4.4688e+01	2.8198e+01	8.6948e+00
	537	-1.9355e-01	1.5488e-02	-4.2782e-01	3.2693e+01	3.1886e+01	3.9043e+00
58	596	-1.9207e-02	3.7540e-03	-9.1419e-02	2.8711e+01	2.0504e+01	-7.4770e+00
	505	-1.9207e-02	2.7407e-03	-4.8997e-02	-1.8800e+01	5.6185e+00	-1.4037e+01
	24	-1.3421e-01	2.7407e-03	-1.4588e-01	-1.2190e+01	-7.1600e+00	-1.1022e+01
	597	-1.3421e-01	3.7540e-03	-1.8830e-01	-1.4107e+01	-2.4230e+01	-4.4627e+00
59	595	4.9048e-03	-1.4455e-02	-1.9541e-01	3.7484e+01	1.1600e+01	2.1901e+00
	604	4.9048e-03	-2.4531e-02	-1.4991e-01	-9.0541e+00	1.0874e+01	-5.6665e-01
	505	-1.9207e-02	-2.4531e-02	-4.7244e-02	-1.0945e+01	-1.9488e+00	-4.2244e+00
	596	-1.9207e-02	-1.4455e-02	-9.2750e-02	2.9231e+01	1.3012e+00	-1.4677e+00
60	594	-1.3364e-01	-3.1215e-03	-2.1623e-01	9.9142e+00	-1.6984e+01	5.9720e+00
	603	-1.3364e-01	9.6694e-04	-1.8571e-01	-1.3198e+01	-8.2488e+00	1.1064e+01
	604	4.9048e-03	9.6694e-04	-1.7516e-01	-1.6342e+01	5.9472e+00	1.0049e+01
	595	4.9048e-03	-3.1215e-03	-2.0569e-01	4.1164e+01	1.5417e+01	4.9574e+00
61	593	-1.2499e-01	2.4563e-02	7.0062e-02	-6.1320e+00	-3.0975e+00	-2.5543e+00
	602	-1.2499e-01	1.2368e-02	8.7035e-02	-8.0677e+00	9.6341e-01	-1.5365e+00
	603	-1.3364e-01	1.2368e-02	-1.0583e-01	-1.2085e+01	2.9328e+00	6.2814e+00
	594	-1.3364e-01	2.4563e-02	-1.2281e-01	2.5669e+00	1.9533e-01	5.2636e+00
62	592	-6.6756e-02	-7.7509e-03	1.6361e-01	2.1328e+01	6.5748e+00	-3.8732e+00
	601	-6.6756e-02	-6.7730e-04	1.7042e-01	-1.5594e+01	4.4183e+00	-7.1093e+00
	602	-1.2499e-01	-6.7730e-04	1.6037e-01	-1.2319e+01	-7.5913e+00	-5.4753e+00
	593	-1.2499e-01	-7.7509e-03	1.5356e-01	1.9063e-01	-1.0932e+01	-2.2392e+00
63	591	5.5106e-03	-1.1145e-03	2.3076e-01	4.7501e+01	7.3157e+00	-2.3679e+00
	600	5.5106e-03	2.6817e-03	2.4186e-01	-1.6573e+01	3.6284e+00	-5.5067e+00
	601	-6.6756e-02	2.6817e-03	2.0149e-01	-1.0713e+01	-2.0246e+00	-5.2661e+00
	592	-6.6756e-02	-1.1145e-03	1.9039e-01	2.4315e+01	-5.8863e+00	-2.1272e+00
64	590	-6.4886e-02	-5.3453e-03	7.5013e-02	4.8404e+01	-6.2652e+00	-3.8883e+00
	599	-6.4886e-02	-1.2717e-03	1.3471e-01	-2.6558e+01	1.6661e+00	-1.8042e+00
	600	5.5106e-03	-1.2717e-03	2.1879e-01	-1.4236e+01	4.5192e+00	2.8642e+00
	591	5.5106e-03	-5.3453e-03	1.5909e-01	4.7585e+01	9.0675e+00	7.8018e-01
65	589	9.7651e-02	7.2609e-02	1.4713e-01	5.3784e+01	1.6771e+00	-8.6682e+00
	598	9.7651e-02	-2.2711e-03	2.1633e-01	-4.9204e+01	-8.4880e+00	-6.2800e+00
	599	-6.4886e-02	-2.2711e-03	1.6709e-01	-3.2135e+01	6.9278e+00	-3.2336e+00
	590	-6.4886e-02	7.2609e-02	9.7882e-02	4.8204e+01	-5.7703e+00	-5.6217e+00
66	415	-3.5451e-01	0.0000e+00	-2.9723e-01	-8.9391e+01	-6.6529e+00	-1.3033e+01
	597	-3.5451e-01	1.5488e-02	-3.1806e-01	-3.5583e+01	-2.8747e+01	4.9496e+00
	537	-1.4060e-01	1.5488e-02	-3.8196e-01	-3.4289e+01	3.0308e+01	6.4528e+00
	53	-1.4060e-01	0.0000e+00	-3.6113e-01	8.4111e+00	7.1224e+00	-1.1530e+01
67	418	6.5161e-02	0.0000e+00	8.5387e-02	1.0131e+02	9.5831e+00	3.6993e+01
	596	6.5161e-02	3.7540e-03	-1.0636e-01	3.4695e+01	2.5207e+01	-1.4271e+00
	597	-3.5451e-01	3.7540e-03	-2.1222e-01	-1.2900e+01	-2.8166e+01	-4.3462e+00
	415	-3.5451e-01	0.0000e+00	-2.0477e-02	-6.3166e+01	-1.0426e+01	3.4074e+01
68	425	9.6551e-02	1.1825e-30	-1.0884e-01	1.6367e+02	1.8649e+00	-1.0091e+00
	595	9.6551e-02	-1.4455e-02	-1.8023e-01	7.5587e+01	1.3048e+01	-5.8721e+00
	596	6.5161e-02	-1.4455e-02	-1.0769e-01	7.0158e+01	3.1876e+00	9.0142e+00
	418	6.5161e-02	7.2374e-31	-3.6289e-02	1.5120e+02	-1.8110e+00	1.3877e+01
69	450	-2.5114e-01	-1.6345e-30	-2.6395e-01	2.8046e+01	-7.1662e+00	-2.3776e+01
	594	-2.5114e-01	-3.1215e-03	-2.3540e-01	1.9281e+01	-1.8484e+01	2.0477e+00
	595	9.6551e-02	-3.1215e-03	-1.9051e-01	5.3791e+01	1.8948e+01	3.7681e+00
	425	9.6551e-02	-1.3565e-30	-2.1906e-01	1.3608e+02	6.3827e+00	-2.2056e+01
70	451	-1.8941e-01	0.0000e+00	1.1421e-01	-2.4659e+01	-1.2989e+00	-1.7000e+00
	593	-1.8941e-01	2.4563e-02	1.0550e-01	-5.8442e+00	-4.0268e+00	2.1404e+00
	594	-2.5114e-01	2.4563e-02	-1.4197e-01	-8.3487e-01	-5.7855e-02	-1.9682e+00
	450	-2.5114e-01	0.0000e+00	-1.3326e-01	-1.2003e+01	7.8702e-01	-5.8086e+00
71	454	-1.0807e-01	0.0000e+00	1.3116e-01	5.4016e+01	3.2545e+00	1.5905e+01

	592	-1.0807e-01	-7.7509e-03	1.2954e-01	2.1351e+01	8.3343e+00	1.2211e+00
	593	-1.8941e-01	-7.7509e-03	1.8900e-01	8.6327e-02	-1.1439e+01	-1.7118e+00
	451	-1.8941e-01	0.0000e+00	1.9062e-01	-5.7723e+00	-4.2339e+00	1.2972e+01
72	457	3.3020e-03	-6.3523e-16	3.0733e-01	1.4672e+02	3.1281e+00	1.1917e+01
	591	3.3020e-03	-1.1145e-03	2.7506e-01	6.4181e+01	9.4012e+00	-1.7298e+00
	592	-1.0807e-01	-1.1145e-03	1.5632e-01	4.7273e+01	-6.2771e+00	3.2528e+00
	454	-1.0807e-01	-3.8973e-16	1.8859e-01	8.8300e+01	-3.6148e+00	1.6900e+01
73	462	-1.8399e-01	3.8164e-31	6.1629e-02	1.3014e+02	-2.1918e+00	-7.6301e+00
	590	-1.8399e-01	-5.3453e-03	-2.6512e-02	6.7937e+01	-6.2911e+00	-1.9198e+00
	591	3.3020e-03	-5.3453e-03	2.0339e-01	7.5333e+01	1.0276e+01	4.2136e+00
	457	3.3020e-03	1.8053e-30	2.9153e-01	1.5426e+02	1.7322e+00	-1.4967e+00
74	414	7.0072e-01	-1.6118e-15	3.8907e-01	2.0933e+02	3.4268e+00	8.8650e+00
	589	7.0072e-01	7.2609e-02	2.6947e-01	9.1491e+01	8.2422e+00	-8.4069e+00
	590	-1.8399e-01	7.2609e-02	-3.6424e-03	7.4658e+01	-7.8122e+00	-5.1691e+00
	462	-1.8399e-01	-4.7722e-16	1.1596e-01	1.4307e+02	-5.6889e+00	1.2103e+01
75	575	-4.8391e-01	-1.4253e-01	-2.1573e-01	-4.5345e+02	-2.1743e+01	-1.0922e+02
	410	-2.9278e-01	1.4118e-01	2.7325e-01	-6.3882e+02	-8.2088e+00	-1.2089e+02
	471	-7.2817e-01	2.2286e-02	-3.5287e-02	-5.7812e+02	-1.4205e+01	-1.1185e+02
	576	-5.3704e-01	-2.3428e-01	-4.2130e-01	-3.8767e+02	-7.3791e+00	-8.7739e+01
76	574	-2.2830e-01	-1.6223e-01	-1.9880e-01	-3.9880e+02	-6.6339e+01	-1.8987e+02
	408	-2.2830e-01	-1.0838e-01	-1.7031e-01	-5.3742e+02	-9.5074e+01	-2.4309e+02
	410	-3.8374e-01	-1.9349e-02	-1.0929e-01	-5.3090e+02	-1.1832e+02	-2.3013e+02
	575	-3.8374e-01	-7.3201e-02	-1.3778e-01	-3.7232e+02	-1.0915e+02	-1.6113e+02
77	573	-1.6746e-01	1.3159e-02	-4.9027e-02	-3.2585e+02	-2.1966e+02	-2.8066e+02
	405	-2.2523e-01	-2.1688e-01	-2.2340e-01	-3.4853e+02	-2.3055e+02	-2.8287e+02
	408	-8.9120e-02	-3.3419e-01	-2.3498e-01	-3.7058e+02	-2.5522e+02	-2.9829e+02
	574	-1.4689e-01	-1.7794e-01	-1.5309e-01	-2.7885e+02	-2.2612e+02	-2.2653e+02
78	572	9.0075e-02	3.8972e-02	4.3034e-02	-3.3296e+02	-4.3007e+01	-2.2594e+02
	585	4.0411e-01	-2.8966e-01	-1.0993e-01	-5.1258e+01	-1.3903e+02	-1.9005e+02
	405	-5.1368e-01	-5.4343e-01	-5.9874e-01	-4.2863e+02	-4.5434e+02	-4.2892e+02
	573	-1.9965e-01	3.5619e-02	-4.9097e-02	-3.4691e+02	-2.6021e+02	-1.9673e+02
79	571	-2.8996e-01	8.6489e-02	3.0337e-03	-3.8401e+02	-2.5552e+02	1.6102e+02
	404	-5.7470e-01	-3.5155e-01	5.1431e-01	-4.9605e+02	-3.5878e+02	3.9865e+02
	585	3.3632e-01	-2.2188e-01	1.6383e-01	-9.7790e+01	-7.8583e+01	1.9534e+02
	572	5.1583e-02	8.5914e-02	-7.4893e-02	-3.7040e+02	5.3760e+01	1.9062e+02
80	570	-1.9569e-01	-1.0234e-01	1.2151e-01	-3.0711e+02	-1.8761e+02	2.2701e+02
	403	-1.5210e-01	-3.0276e-01	2.6365e-01	-4.0642e+02	-2.0676e+02	2.8308e+02
	404	-3.1082e-01	-1.9566e-01	2.4757e-01	-4.1096e+02	-1.9372e+02	2.8474e+02
	571	-2.6722e-01	4.5397e-02	4.5785e-02	-3.6677e+02	-1.8512e+02	2.7111e+02
81	569	-2.5405e-01	-6.2435e-02	1.2677e-01	-3.8112e+02	-1.3390e+02	1.7550e+02
	402	-2.5207e-01	-9.6471e-02	1.5974e-01	-5.2604e+02	-1.4500e+02	2.5319e+02
	403	-2.3834e-01	-1.3245e-01	1.9257e-01	-5.1771e+02	-1.1607e+02	2.6203e+02
	570	-2.3636e-01	-9.7410e-02	1.5762e-01	-3.9079e+02	-7.8443e+01	2.0572e+02
82	568	-3.6224e-01	-7.5848e-02	2.1808e-01	-4.1642e+02	-4.9789e+01	4.4708e+01
	401	-4.0587e-01	-3.7259e-02	1.2768e-01	-7.2860e+02	-2.3342e+01	1.2406e+02
	402	-3.0068e-01	-1.5803e-02	6.8932e-02	-6.7847e+02	-9.3063e+00	1.3917e+02
	569	-3.4431e-01	-5.8473e-02	1.7825e-01	-4.8594e+02	4.6375e-01	1.1655e+02
83	567	4.1074e-02	3.2525e-02	2.7686e-01	-6.7302e+01	9.4791e+01	-3.0856e+01
	470	4.1074e-02	-3.6664e-17	-8.3855e-02	-2.3485e+02	3.1855e+01	-1.4448e+02
	401	-4.4313e-01	-9.3232e-17	-1.7211e-01	-6.1827e+02	-2.8426e+01	-1.3250e+02
	568	-4.4313e-01	3.2525e-02	1.8860e-01	-3.1106e+02	-1.0005e+02	-1.8872e+01
84	566	3.0849e-01	1.6846e-01	1.2777e-01	8.1027e+00	-4.9092e+01	1.4445e+00
	581	3.0849e-01	0.0000e+00	-2.7221e-01	4.9653e+00	-2.6666e+00	6.8378e+00
	470	4.1074e-02	0.0000e+00	-1.8017e-01	-1.6745e+01	1.3814e+01	-2.7902e+01
	567	4.1074e-02	1.6846e-01	2.1982e-01	5.2192e+01	9.3727e+01	-3.3295e+01
85	565	-1.0321e+00	-1.8108e-03	-9.4700e-02	-1.7325e+01	-5.0018e+00	-4.8465e+00
	483	-7.8659e-01	3.0027e-01	4.7691e-01	-3.5734e+01	3.9293e+00	2.6184e+00

	581	1.4739e-02	2.9375e-01	5.6825e-01	-2.3270e+00	7.8315e+00	7.7655e+00
	566	2.6029e-01	2.7485e-02	1.2937e-01	5.2462e+00	8.4143e+00	-2.9106e+00
86	564	-8.5882e-01	-2.4291e-01	-5.1785e-01	4.2452e+00	-3.7110e+00	4.8601e+00
	482	-9.0570e-01	-1.6598e-01	-4.3745e-01	-9.6911e+01	-3.5012e+00	-1.4788e+01
	483	-1.0388e+00	1.4126e-02	-1.0747e-01	-4.4341e+01	6.2790e+00	3.9607e+00
	565	-1.0857e+00	-7.3146e-02	-2.1998e-01	-1.9535e+01	2.6903e+00	5.5384e-01
87	562	-8.7775e-02	7.0085e-02	1.1047e-02	-3.2108e+01	-9.5297e+00	7.3028e+00
	580	-8.7775e-02	0.0000e+00	1.8624e-02	-5.9827e+00	-8.0579e-01	7.5368e+00
	484	1.3026e-01	4.8754e-32	-1.5195e-01	-2.9532e+01	6.2583e-01	8.1483e+00
	563	1.3026e-01	7.0085e-02	-1.5953e-01	-7.2539e+00	8.9111e+00	7.9143e+00
88	561	5.9688e-01	1.1656e-01	9.9309e-02	-1.0933e+02	4.4465e+01	1.4656e+01
	486	5.9688e-01	-5.3110e-16	1.9572e-01	8.2125e+01	6.7336e+00	1.1695e+01
	580	-8.7775e-02	-4.6507e-16	1.8792e-01	-6.2338e+00	-5.6528e+00	-7.8309e+00
	562	-8.7775e-02	1.1656e-01	9.1517e-02	-3.4721e+01	-2.6560e+01	-4.8698e+00
89	559	-2.5013e-02	-4.0521e-01	-6.2211e-02	-5.8012e+01	9.4091e+00	1.1670e+01
	578	-2.5013e-02	1.4074e-16	3.6494e-01	-1.7218e+01	3.2558e+00	-7.9808e-01
	579	-4.2112e-01	1.4074e-16	1.3458e-01	-4.8108e+01	-2.8822e+00	-7.6617e+00
	560	-4.2112e-01	-4.0521e-01	-2.9257e-01	-8.6187e+01	-3.2403e+00	4.8062e+00
90	555	-1.2508e-01	-3.8802e-02	1.1231e-01	-1.2748e+02	-5.9919e+00	-1.2448e+01
	575	-1.2508e-01	-6.5434e-02	-1.5755e-01	-3.4536e+02	-4.1920e+00	-7.9929e+00
	576	-3.2714e-01	-6.5434e-02	-1.8757e-01	-3.3531e+02	1.3626e+01	5.5019e+00
	556	-3.2714e-01	-3.8802e-02	8.2292e-02	-1.1611e+02	4.2055e+00	1.0472e+00
91	554	-2.2861e-01	-1.2677e-02	-3.2141e-02	-1.3471e+02	1.9455e+00	-6.3795e+00
	574	-2.2861e-01	-2.2818e-02	-7.7799e-02	-3.5940e+02	1.4685e+01	-5.0670e+00
	575	-1.2508e-01	-2.2818e-02	-1.9628e-02	-3.6086e+02	-1.4273e+01	4.4450e+00
	555	-1.2508e-01	-1.2677e-02	2.6030e-02	-1.2601e+02	-8.4267e+00	3.1325e+00
92	553	-2.8081e-01	-2.1640e-03	-4.7271e-02	-1.6150e+02	1.1534e+01	-1.0514e+01
	573	-2.8081e-01	-1.3953e-02	1.9331e-02	-3.1481e+02	2.8900e+01	-1.5753e+01
	574	-2.2861e-01	-1.3953e-02	-1.6015e-02	-3.7035e+02	-1.5830e+01	-1.3955e+00
	554	-2.2861e-01	-2.1640e-03	-8.2617e-02	-1.3159e+02	-1.0207e+01	3.8443e+00
93	552	-3.2974e-01	-7.8350e-04	-4.6005e-02	-1.3127e+02	2.3309e+01	1.0591e+01
	572	-3.2974e-01	1.4601e-02	-5.9921e-03	-3.5413e+02	6.1054e+01	8.0953e+00
	573	-2.8081e-01	1.4601e-02	3.8253e-03	-3.7697e+02	-7.5481e+01	8.0491e+00
	553	-2.8081e-01	-7.8350e-04	-3.6188e-02	-1.2148e+02	-3.7701e+01	1.0544e+01
94	551	-3.0077e-01	5.4201e-03	3.7043e-04	-1.1846e+02	-4.8313e+01	-1.3563e+01
	571	-3.0077e-01	2.3052e-02	-4.8721e-02	-3.8921e+02	-1.0739e+02	-7.7414e+00
	572	-3.2974e-01	2.3052e-02	-6.4209e-02	-3.3592e+02	1.0601e+02	6.3974e-01
	552	-3.2974e-01	5.4201e-03	-1.5118e-02	-1.4498e+02	3.9637e+01	-5.1819e+00
95	550	-2.5920e-01	-9.0406e-03	6.2354e-02	-1.4293e+02	-3.7006e+00	-3.9191e+00
	570	-2.5920e-01	-1.9030e-02	-2.5194e-02	-3.7335e+02	-5.0401e+00	1.1749e+00
	571	-3.0077e-01	-1.9030e-02	-6.1617e-02	-3.2827e+02	1.7456e+01	1.6119e+01
	551	-3.0077e-01	-9.0406e-03	2.5932e-02	-1.5916e+02	5.5653e+00	1.1025e+01
96	549	-2.7349e-01	4.2635e-03	3.4068e-02	-1.4454e+02	-1.6250e+01	-4.4730e+00
	569	-2.7349e-01	6.6200e-04	4.2510e-03	-3.8596e+02	-2.3618e+01	-2.3735e+00
	570	-2.5920e-01	6.6200e-04	2.6828e-02	-3.7362e+02	1.8878e+01	5.8129e+00
	550	-2.5920e-01	4.2635e-03	5.6645e-02	-1.4560e+02	5.4177e+00	3.7134e+00
97	548	-2.7417e-01	2.6636e-02	3.2569e-02	-1.4120e+02	-3.3072e+01	9.6480e+00
	568	-2.7417e-01	5.0394e-03	1.3790e-01	-3.1769e+02	-4.6844e+01	1.1821e+00
	569	-2.7349e-01	5.0394e-03	1.0281e-01	-3.5709e+02	1.7410e+01	3.5299e+00
	549	-2.7349e-01	2.6636e-02	-2.5230e-03	-1.4073e+02	1.5954e+00	1.1996e+01
98	547	-1.0913e-01	2.2627e-02	5.5028e-03	-3.4876e+01	6.7207e+01	5.0904e+01
	567	-1.0913e-01	3.2525e-02	1.6551e-01	-3.4637e+01	9.4105e+01	-1.0097e+00
	568	-2.7417e-01	3.2525e-02	1.9289e-01	-2.6910e+02	-9.3848e+01	4.3497e-02
	548	-2.7417e-01	2.2627e-02	3.2890e-02	-8.6967e+01	-6.7713e+01	5.1957e+01
99	546	-3.3804e-01	5.3361e-02	1.7262e-01	-6.0386e+00	-3.4632e+01	1.0001e+00
	566	-3.3804e-01	1.6846e-01	1.6694e-01	-8.8909e-01	-5.0170e+01	4.4962e+00
	567	-1.0913e-01	1.6846e-01	1.6954e-01	2.8348e+01	1.0163e+02	1.5933e+01

	547	-1.0913e-01	5.3361e-02	1.7522e-01	-2.0769e+01	7.5067e+01	1.2437e+01
100	545	-2.9156e-01	-3.4418e-02	5.0931e-01	-1.7330e+00	1.3487e+01	-6.0158e+00
	565	-2.9156e-01	-2.0718e-02	3.2827e-01	-8.9009e+00	-3.2201e+00	-1.6147e+00
	566	-3.3804e-01	-2.0718e-02	9.5657e-02	1.2731e+01	7.2219e+00	8.2780e-02
	546	-3.3804e-01	-3.4418e-02	2.7670e-01	-5.1027e+00	-1.1121e+01	-4.3183e+00
101	544	-1.0026e+00	-1.4046e-01	-4.5604e-01	-3.7000e+00	-1.0832e+01	1.7945e+00
	564	-1.0026e+00	-3.0048e-02	-4.0655e-01	-3.0153e+01	-5.7114e+00	4.5311e+00
	565	-2.9156e-01	-3.0048e-02	2.1688e-01	-1.4050e+01	5.0769e+00	3.7020e+00
	545	-2.9156e-01	-1.4046e-01	1.6739e-01	-5.8434e+00	1.0847e+01	9.6542e-01
102	542	-2.2234e-01	8.8909e-02	2.5242e-02	-5.9081e+01	-2.5243e+01	-4.4647e+00
	562	-2.2234e-01	7.0085e-02	-1.5515e-02	-4.3751e+01	-1.2803e+01	4.1885e+00
	563	1.6785e-01	7.0085e-02	-2.1768e-01	-5.2162e+01	1.1808e+01	7.0892e+00
	543	1.6785e-01	8.8909e-02	-1.7693e-01	-2.4220e+00	2.2167e+01	-1.5640e+00
103	541	2.9148e-01	5.9073e-02	2.6452e-01	-2.1695e+01	4.5015e+01	-1.1364e+01
	561	2.9148e-01	1.1656e-01	1.8760e-01	-6.8826e+01	4.9641e+01	-1.8091e+01
	562	-2.2234e-01	1.1656e-01	6.4955e-02	-5.5228e+01	-3.2779e+01	-7.1993e+00
	542	-2.2234e-01	5.9073e-02	1.4188e-01	-6.6522e+01	-3.7537e+01	-4.7265e-01
104	539	-1.4101e-01	-2.6661e-01	1.8840e-01	-7.1149e+01	-7.5688e+00	-6.5298e-01
	559	-1.4101e-01	-4.0521e-01	-2.3585e-02	-5.2077e+01	4.3758e+00	4.7088e+00
	560	-1.0536e+00	-4.0521e-01	-4.2774e-01	-4.7124e+01	4.5540e-01	1.0060e+01
	540	-1.0536e+00	-2.6661e-01	-2.1575e-01	-5.0701e+01	7.8816e+00	4.6984e+00
105	538	-6.4229e-01	-1.5463e-02	-5.9455e-03	-4.6725e+01	-8.2956e+00	2.7412e+00
	558	-6.4229e-01	1.9331e-02	-2.5574e-02	-5.4949e+01	-1.7262e+01	-1.7178e+00
	559	-1.4101e-01	1.9331e-02	1.6092e-01	-6.3358e+01	-4.9687e+00	-5.3948e+00
	539	-1.4101e-01	-1.5463e-02	1.8055e-01	-5.9044e+01	-1.0771e+01	-9.3580e-01
106	537	-1.9355e-01	8.8263e-02	-3.3696e-01	-4.5678e+01	4.0177e+01	1.1737e+01
	557	-1.9355e-01	1.2635e-01	-3.0851e-01	3.8852e+01	2.7934e+01	-5.7027e+00
	558	-6.4229e-01	1.2635e-01	-1.5588e-01	-2.9987e+01	-2.2145e+01	-1.0365e+01
	538	-6.4229e-01	8.8263e-02	-1.8433e-01	-4.9030e+01	-2.9883e+01	7.0752e+00
107	411	-3.2140e-01	-7.6249e-16	-1.8545e-01	1.7789e+02	-2.4177e+00	-1.2598e+01
	555	-3.2140e-01	-3.8802e-02	6.8645e-02	-4.4145e+01	-7.9317e-02	-1.2951e+01
	556	-4.7101e-01	-3.8802e-02	1.4827e-01	-4.5853e+01	6.3722e+00	-3.1211e-01
	61	-4.7101e-01	-4.3040e-16	-1.0583e-01	1.7790e+02	-1.7983e+00	4.0812e-02
108	409	-3.0062e-01	1.3597e-16	-6.6005e-02	1.7083e+02	-2.1201e+00	-8.8970e+00
	554	-3.0062e-01	-1.2677e-02	-1.1935e-02	-5.5546e+01	4.2399e+00	-6.4907e+00
	555	-3.2140e-01	-1.2677e-02	-1.7637e-02	-5.2046e+01	-2.7929e+00	1.2397e+00
	411	-3.2140e-01	1.4763e-16	-7.1707e-02	1.8061e+02	-2.0349e+00	-1.1665e+00
109	187	-2.7589e-01	0.0000e+00	-3.1641e-02	1.3987e+02	-1.3079e+00	-1.1254e+01
	553	-2.7589e-01	-2.1640e-03	-4.2809e-02	-3.9647e+01	1.2268e+01	-1.0413e+01
	554	-3.0062e-01	-2.1640e-03	-6.2411e-02	-6.1766e+01	-4.8563e+00	2.7019e+00
	409	-3.0062e-01	0.0000e+00	-5.1244e-02	1.6610e+02	-2.0065e+00	1.8609e+00
110	407	-2.6566e-01	6.4156e-17	-3.3640e-02	1.2215e+02	-1.8098e+00	-2.7857e+00
	552	-2.6566e-01	-7.8350e-04	-5.2352e-02	-8.9811e+01	2.0655e+01	4.8877e+00
	553	-2.7589e-01	-7.8350e-04	-3.1726e-02	-8.3415e+01	-2.2900e+01	9.0194e+00
	187	-2.7589e-01	2.1576e-17	-1.3014e-02	1.5588e+02	-3.5961e+00	1.3460e+00
111	406	-2.9384e-01	-4.3990e-17	-2.2807e-02	1.4853e+02	-4.4642e+00	-5.3437e+00
	551	-2.9384e-01	5.4201e-03	7.1001e-03	-8.8744e+01	-2.9745e+01	-1.2008e+01
	552	-2.6566e-01	5.4201e-03	-2.1465e-02	-8.5098e+01	3.2536e+01	-2.6098e+00
	407	-2.6566e-01	-1.0352e-16	-5.1372e-02	1.1423e+02	-9.1675e-01	4.0543e+00
112	186	-3.2958e-01	5.1806e-34	1.2012e-03	1.5503e+02	-1.2698e+00	-3.6651e+00
	550	-3.2958e-01	-9.0406e-03	4.5256e-02	-7.0255e+01	-1.9813e-01	-4.1019e+00
	551	-2.9384e-01	-9.0406e-03	3.2662e-02	-5.3373e+01	6.1911e+00	7.8823e+00
	406	-2.9384e-01	4.8693e-34	-1.1393e-02	1.3567e+02	-1.1987e+00	8.3191e+00
113	400	-3.3725e-01	-1.0089e-33	3.7447e-02	1.6294e+02	-3.2092e+00	-1.1817e-01
	549	-3.3725e-01	4.2635e-03	2.5400e-02	-6.3005e+01	-8.7324e+00	-1.4799e+00
	550	-3.2958e-01	4.2635e-03	3.9546e-02	-6.8918e+01	7.3623e+00	3.4123e+00
	186	-3.2958e-01	-1.2222e-33	5.1593e-02	1.6154e+02	-1.8020e+00	4.7740e+00

114	399	-3.7471e-01	-1.5124e-33	9.2430e-02	1.2125e+02	-6.9927e+00	2.1264e+01
	548	-3.7471e-01	2.6636e-02	6.0453e-02	-1.7372e+01	-2.2824e+01	2.2237e+01
	549	-3.3725e-01	2.6636e-02	-1.1190e-02	-5.5757e+01	6.3997e+00	1.3303e+01
	400	-3.3725e-01	-7.4361e-34	2.0786e-02	1.6411e+02	-1.6630e+00	1.2330e+01
115	60	-3.5155e-02	4.8400e-18	1.1016e-01	2.5139e+00	2.8999e+00	4.3173e+01
	547	-3.5155e-02	2.2627e-02	-1.7892e-02	3.4264e+01	5.1684e+01	4.9912e+01
	548	-3.7471e-01	2.2627e-02	6.0774e-02	-3.7454e+01	-4.9472e+01	5.3840e+01
	399	-3.7471e-01	1.2537e-17	1.8883e-01	1.1143e+02	-3.5343e+00	4.7101e+01
116	91	-3.7010e-01	0.0000e+00	1.0678e-02	-6.4113e+01	-4.8477e+00	-1.2349e+01
	546	-3.7010e-01	5.3361e-02	2.0105e-01	-1.2940e+01	-3.7450e+01	4.9524e+00
	547	-3.5155e-02	5.3361e-02	2.0849e-01	3.7523e+01	6.5192e+01	2.5048e+01
	60	-3.5155e-02	0.0000e+00	1.8125e-02	-4.2782e+01	1.3218e+01	7.7461e+00
117	168	-4.0002e-01	0.0000e+00	4.3070e-01	2.6223e+01	7.5676e+00	1.1679e+01
	545	-4.0002e-01	-3.4418e-02	5.9613e-01	-1.3917e+00	1.8733e+01	-9.6374e+00
	546	-3.7010e-01	-3.4418e-02	3.0512e-01	-1.4805e+01	-1.7456e+01	-8.7184e+00
	91	-3.7010e-01	0.0000e+00	1.3969e-01	-4.8816e+01	-7.1767e+00	1.2598e+01
118	1	-1.6163e+00	-3.9020e-16	-3.7451e-01	-1.8486e+01	-4.4819e+00	-1.6371e+01
	544	-1.6163e+00	-1.4046e-01	-6.8272e-01	-4.1326e+01	-1.2609e+01	-3.2373e-01
	545	-4.0002e-01	-1.4046e-01	2.5421e-01	-3.4984e+00	1.3674e+01	1.4739e+00
	168	-4.0002e-01	5.8260e-16	5.6242e-01	2.5542e+01	4.1369e+00	-1.4573e+01
119	421	-5.1234e-01	4.8061e-32	-2.1090e-01	-1.3774e+02	-7.2379e+00	-2.1132e+01
	542	-5.1234e-01	8.8909e-02	4.3372e-02	-7.8582e+01	-2.5087e+01	1.5193e-01
	543	2.4376e-01	8.8909e-02	-1.3550e-01	-8.0668e+01	2.2465e+01	-2.5978e+00
	58	2.4376e-01	1.4637e-31	-3.8977e-01	-1.6978e+01	6.5880e+00	-2.3882e+01
120	536	7.5571e-02	-6.3877e-16	3.0640e-01	-3.0804e+01	1.2001e+01	2.0690e+01
	541	7.5571e-02	5.9073e-02	2.3207e-01	-4.5899e+01	4.2828e+01	-9.4734e+00
	542	-5.1234e-01	5.9073e-02	1.6001e-01	-7.3338e+01	-3.9069e+01	-6.9641e+00
	421	-5.1234e-01	-4.9070e-16	2.3434e-01	-1.4339e+02	-1.0405e+01	2.3199e+01
121	398	-3.8289e-01	2.5592e-32	-2.8244e-01	-1.0182e+02	-4.0644e+00	-1.2672e+01
	539	-3.8289e-01	-2.6661e-01	-9.2674e-03	-6.3490e+01	-1.0220e+01	1.4294e+00
	540	-8.2148e-01	-2.6661e-01	2.0092e-03	-5.1257e+01	8.7157e+00	-4.7682e-01
	412	-8.2148e-01	4.6617e-33	-2.7116e-01	-4.7243e+01	4.1699e+00	-1.4579e+01
122	413	-6.3342e-01	-2.1352e-16	-1.0595e-01	-7.7566e+01	4.7398e-01	1.8882e+01
	538	-6.3342e-01	-1.5463e-02	3.5982e-02	-5.8686e+01	-4.7347e+00	1.0648e+01
	539	-3.8289e-01	-1.5463e-02	-1.7115e-02	-7.6639e+01	-1.0315e+01	-3.5070e+00
	398	-3.8289e-01	-3.2281e-16	-1.5905e-01	-9.7892e+01	-3.3441e+00	4.7276e+00
123	53	-1.4060e-01	2.4279e-32	-2.3280e-01	-6.7900e+01	8.9682e+00	2.6656e+01
	537	-1.4060e-01	8.8263e-02	-3.4919e-01	4.6900e+01	3.8210e+01	7.0423e+00
	538	-6.3342e-01	8.8263e-02	-1.4241e-01	-3.4045e+01	-3.2589e+01	8.9886e+00
	413	-6.3342e-01	-9.5229e-33	-2.6019e-02	-6.8145e+01	-5.2289e+00	2.8603e+01
251	394	1.3979e-01	-2.3703e-01	1.3655e-01	1.6968e+00	2.3964e+00	3.0049e+00
	397	1.3979e-01	0.0000e+00	-1.6060e+00	3.9336e+00	-9.7040e+00	2.2072e+01
	504	-2.4389e+00	-1.6570e-31	-1.2728e+00	4.8816e+01	8.9164e+00	1.7822e+01
	395	-2.4389e+00	-2.3703e-01	4.6972e-01	9.5856e-01	4.1595e+00	-1.2455e+00
252	393	9.2486e-02	-3.3212e-01	2.5120e-01	-3.9386e+01	1.2346e+01	1.1319e+01
	396	9.2486e-02	5.1188e-16	2.4119e-01	-4.5400e+00	-2.7506e+00	2.5734e+01
	397	1.3979e-01	-5.7702e-16	-2.5756e-01	-5.2586e+00	4.7181e+00	1.6301e+01
	394	1.3979e-01	-3.3212e-01	-2.4755e-01	-5.2947e+00	5.9205e+00	1.8858e+00
253	392	-1.5719e+00	-2.0583e-01	-5.6712e-01	-3.5217e+01	-1.3275e+01	-1.4236e+00
	503	-1.5719e+00	0.0000e+00	9.3377e-01	-2.0670e+02	-3.3178e+01	6.6073e+01
	396	9.2486e-02	2.2055e-30	1.3935e+00	-2.4954e+01	3.9108e+01	6.7821e+01
	393	9.2486e-02	-2.0583e-01	-1.0735e-01	-6.0693e+01	1.6186e+01	3.2426e-01
254	389	-6.6836e-01	-2.2916e-01	-4.0765e-01	-1.0871e+01	3.0450e+00	-8.4654e+00
	394	-6.6836e-01	-2.3703e-01	3.5080e-01	-6.2423e+00	6.1378e+00	-2.9557e+00
	395	-1.6382e+00	-2.3703e-01	3.7750e-01	1.4522e+00	-2.6273e-01	-4.7204e+00
	391	-1.6382e+00	-2.2916e-01	-3.8095e-01	-5.8098e+00	5.8792e+00	-1.0230e+01
255	379	-5.3981e-01	-4.4689e-01	-9.7068e-02	-1.4035e+01	-1.6806e-01	-1.2901e+01

	393	-5.3981e-01	-3.3212e-01	-4.4054e-02	-2.5981e+01	1.5887e+01	-5.4665e+00
	394	-6.6836e-01	-3.3212e-01	-3.3301e-02	-9.4022e+00	2.9681e+00	-9.2329e-01
	389	-6.6836e-01	-4.4689e-01	-8.6315e-02	-1.3400e+01	1.1174e+01	-8.3582e+00
256	377	-1.2335e+00	-2.3268e-01	2.8078e-01	-1.3007e+01	-3.2086e+00	-1.8318e+01
	392	-1.2335e+00	-2.0583e-01	-3.2982e-01	-4.5448e+01	8.4018e+00	-1.2864e+01
	393	-5.3981e-01	-2.0583e-01	-4.0260e-01	-3.3549e+01	1.1006e+00	-7.8339e+00
	379	-5.3981e-01	-2.3268e-01	2.0801e-01	-1.2279e+01	4.0213e+00	-1.3288e+01
257	390	1.4170e-01	2.4993e-02	1.3039e+00	-9.3560e+00	1.6363e+01	1.2785e+01
	389	1.1170e-01	-2.3420e-01	-2.6298e-01	-1.8305e+01	8.5810e+00	-8.3384e+00
	391	-2.4254e+00	-2.3541e-01	-3.3804e-01	-3.8452e+00	-3.1542e+00	-7.0609e+00
	12	-2.4554e+00	2.3752e-02	1.2263e+00	-7.2157e+01	-1.2336e+01	1.3573e+01
258	387	1.3901e-01	-3.5211e-03	-1.7806e-01	-1.8253e+00	1.0781e+00	-7.2912e+00
	379	1.3944e-01	-4.5340e-01	-1.9776e-01	-5.6760e+00	1.7879e+00	-1.0295e+01
	389	1.1796e-01	-4.4838e-01	6.1924e-02	-1.1630e+01	6.8282e+00	-5.7642e+00
	390	1.1838e-01	1.6634e-03	8.6010e-02	-2.6218e+00	-1.2059e-01	-2.8184e+00
259	11	-2.2783e+00	3.0346e-29	-1.1551e+00	3.8584e+01	5.9429e+00	-2.5146e+00
	377	-2.2783e+00	-2.3268e-01	1.1648e-01	-9.0402e+00	3.0811e+00	-1.5220e+01
	379	1.4479e-01	-2.3268e-01	9.7793e-02	-3.3326e+00	-8.4528e-03	-1.2516e+01
	387	1.4479e-01	2.8921e-29	-1.1738e+00	3.4621e+00	-7.5421e+00	1.8941e-01
260	360	-2.6280e-01	2.2361e-01	1.5121e-01	-1.1602e+01	-8.2189e-01	6.6730e-01
	374	-2.6280e-01	0.0000e+00	-2.0374e-01	-1.4392e+01	1.8149e+01	-1.1106e+01
	502	-2.1129e+00	0.0000e+00	-1.2381e+00	-4.2015e+01	-2.0800e+01	-1.2566e+01
	365	-2.1129e+00	2.2361e-01	-8.8312e-01	4.1055e+00	3.9414e+00	-7.9297e-01
261	359	-1.7906e-01	-3.8966e-01	-3.5452e-01	-1.0505e+01	2.3285e+00	1.6458e+00
	372	-1.7906e-01	0.0000e+00	-8.1680e-03	-3.9316e-02	9.6657e+00	-6.6149e+00
	374	-2.6280e-01	0.0000e+00	2.6626e-01	-8.1344e+00	-8.7709e+00	-6.3598e+00
	360	-2.6280e-01	-3.8966e-01	-8.0092e-02	-1.0771e+01	-2.4416e+00	1.9008e+00
262	342	-4.1211e-01	-6.9834e-02	1.9035e-01	-1.6202e+01	1.6841e+00	9.2083e-01
	501	-4.1211e-01	-1.4074e-16	3.9980e-01	2.1207e+01	1.5322e+01	-8.2812e+00
	372	-1.7906e-01	-1.4074e-16	5.6521e-02	4.5775e+00	-1.1504e+01	-7.5450e+00
	359	-1.7906e-01	-6.9834e-02	-1.5293e-01	-8.8865e+00	-7.7561e-01	1.6570e+00
263	351	-6.3274e-01	1.5684e-02	-1.0079e-01	-1.4621e+01	1.8998e+00	3.5914e+00
	360	-6.3274e-01	2.2361e-01	-4.4537e-02	-1.3403e+01	-5.8931e-01	3.3625e+00
	365	-4.3663e-01	2.2361e-01	1.7386e-02	-2.4812e+01	-5.8447e-02	2.7780e+00
	358	-4.3663e-01	1.5684e-02	-3.8865e-02	-3.4429e+00	-2.3778e-01	3.0069e+00
264	345	-3.9430e-01	-3.8402e-02	-4.6544e-02	-2.2182e+01	-3.7457e-01	3.0032e+00
	359	-3.9430e-01	-3.8966e-01	-3.5121e-01	-7.6097e+00	-2.8694e+00	4.3673e+00
	360	-6.3274e-01	-3.8966e-01	-2.7584e-01	-1.1031e+01	4.0525e+00	5.5331e+00
	351	-6.3274e-01	-3.8402e-02	2.8822e-02	-1.7380e+01	-3.0495e+00	4.1690e+00
265	336	-4.4107e-01	-9.5817e-02	-2.3385e-01	-1.9757e+01	4.3393e+00	4.3887e+00
	342	-4.4107e-01	-6.9834e-02	-8.4995e-02	-7.5025e+00	9.6310e-01	2.2113e+00
	359	-3.9430e-01	-6.9834e-02	-1.4961e-01	-6.6173e+00	3.9075e+00	4.0956e+00
	345	-3.9430e-01	-9.5817e-02	-2.9847e-01	-2.2846e+01	-6.9156e+00	6.2730e+00
266	357	-2.3118e-01	3.2163e-31	3.8094e-02	-6.5957e+00	-1.4510e+01	-1.0079e+01
	351	-2.3118e-01	1.5684e-02	-1.4579e-01	-2.0315e+01	2.7848e-01	5.6159e-01
	358	-5.7629e-01	1.5684e-02	1.0430e-01	-3.1307e+01	-3.2235e+00	-1.0670e+00
	120	-5.7629e-01	2.4330e-30	2.8817e-01	1.5165e+01	1.8001e+01	-1.1708e+01
267	346	-5.7593e-01	0.0000e+00	-3.6318e-01	-4.3958e+01	-2.3189e+01	-1.3706e+01
	345	-5.7593e-01	-3.8402e-02	-3.1900e-02	-6.1980e+00	-1.0975e+00	4.9731e-01
	351	-2.3118e-01	-3.8402e-02	-1.6176e-02	-2.0716e+01	4.9250e-01	9.5596e-01
	357	-2.3118e-01	0.0000e+00	-3.4746e-01	-1.5064e+01	2.0771e+01	-1.3248e+01
268	14	-1.6772e-01	-2.6554e-30	2.5720e-01	-1.6945e+01	1.3070e+01	5.2581e+00
	336	-1.6772e-01	-9.5817e-02	-1.7143e-01	-3.3716e+01	-4.5360e+00	2.0415e+00
	345	-5.7593e-01	-9.5817e-02	-2.8382e-01	-8.8484e+00	3.6907e+00	2.2291e+00
	346	-5.7593e-01	-1.6274e-30	1.4481e-01	-4.5068e+01	-1.4657e+01	5.4457e+00
269	341	-1.2584e-01	-1.2278e-01	1.2612e-02	-9.9526e-01	-5.4667e-01	1.5313e-01
	344	-1.2584e-01	6.4970e-16	-3.1971e-01	1.0740e+00	-5.3863e+00	3.9646e+00

	501	-4.1211e-01	3.8125e-17	-3.1100e-03	2.0701e+01	4.4801e+00	3.1380e+00
	342	-4.1211e-01	-1.2278e-01	3.2921e-01	-1.4385e+01	1.6611e+00	-6.7350e-01
270	340	-1.1454e-02	-8.5441e-02	4.2227e-01	-4.6271e+00	-2.6273e+00	-3.2293e+00
	343	-1.1454e-02	7.0369e-17	2.8680e-01	3.4256e-01	-7.9633e-01	-2.0920e+00
	344	-1.2584e-01	7.0369e-17	-6.1710e-02	-7.0846e-01	-1.5404e-01	-5.6838e-01
	341	-1.2584e-01	-8.5441e-02	7.3759e-02	-1.7150e+00	-2.0474e+00	-1.7057e+00
271	337	-1.2840e+00	-7.9869e-03	1.0502e-02	-6.1249e+00	-2.3686e-01	-3.0955e+00
	500	-1.2840e+00	1.0856e-15	5.2543e-01	2.0075e+00	2.1881e-01	-3.3954e+00
	343	-1.1454e-02	1.6166e-15	7.7342e-01	2.5094e-02	-7.0530e-01	-3.3206e+00
	340	-1.1454e-02	-7.9869e-03	2.5849e-01	-4.6331e+00	-4.3246e-01	-3.0208e+00
272	330	-3.4931e-01	7.4771e-02	-2.5062e-02	-1.9367e+01	-4.8486e+00	-4.6349e-01
	341	-3.4931e-01	-1.2278e-01	8.9574e-02	-6.5332e+00	-2.2144e+00	-7.9310e-01
	342	-4.4107e-01	-1.2278e-01	5.3863e-02	-6.3676e+00	6.6117e-02	2.1358e+00
	336	-4.4107e-01	7.4771e-02	-6.0773e-02	-2.0072e+01	-4.4591e+00	2.4654e+00
273	321	-3.8395e-01	1.4197e-01	3.0589e-01	-1.5638e+01	-6.5340e+00	-2.2707e+00
	340	-3.8395e-01	-8.5441e-02	5.4556e-01	-7.0948e+00	-2.2873e+00	-3.8474e+00
	341	-3.4931e-01	-8.5441e-02	1.5072e-01	-7.2082e+00	-4.6939e+00	-2.4641e+00
	330	-3.4931e-01	1.4197e-01	-8.8956e-02	-1.8105e+01	-3.8286e+00	-8.8740e-01
274	320	-9.3907e-02	2.7228e-02	-5.3390e-03	-9.8167e+00	-1.9536e+00	-6.1840e-01
	337	-9.3907e-02	-7.9869e-03	-1.6022e-01	-8.3068e+00	3.8418e-01	-2.7421e+00
	340	-3.8395e-01	-7.9869e-03	3.8178e-01	-8.6030e+00	-1.0137e+00	-4.2533e+00
	321	-3.8395e-01	2.7228e-02	5.3666e-01	-1.2996e+01	5.0182e+00	-2.1296e+00
275	335	-1.2919e+00	1.4209e-15	-6.8464e-01	-7.4573e+01	-1.4997e+01	-8.8542e+00
	330	-1.2919e+00	7.4771e-02	-2.5898e-01	-3.3770e+00	-7.6197e+00	4.5844e+00
	336	-1.6772e-01	7.4771e-02	1.6445e-03	-3.6560e+01	-3.7470e+00	5.6127e-02
	14	-1.6772e-01	8.7151e-16	-4.2401e-01	-1.9400e+01	1.4699e+01	-1.3382e+01
276	326	-1.1009e-01	5.9384e-30	1.1372e+00	-1.1702e+01	1.9118e+01	2.3852e+01
	321	-1.1009e-01	1.4197e-01	2.3807e-01	-2.7953e+01	-1.8831e+00	2.6202e+00
	330	-1.2919e+00	1.4197e-01	-3.2288e-01	-1.3799e+00	-9.5641e+00	-1.9517e+00
	335	-1.2919e+00	3.0090e-30	5.7621e-01	-7.3017e+01	-1.9390e+01	1.9280e+01
277	13	9.8105e-01	5.1519e-16	2.3161e-01	9.0586e+00	5.8644e+00	1.1539e+01
	320	9.8105e-01	2.7228e-02	2.9860e-01	-1.7363e+01	2.7686e+00	1.3824e+00
	321	-1.1009e-01	2.7228e-02	4.6885e-01	-2.2090e+01	1.4621e+00	3.3749e+00
	326	-1.1009e-01	8.4304e-16	4.0186e-01	-2.8337e+00	-6.5042e+00	1.3531e+01
278	294	-4.0783e-01	-1.5550e-01	-7.2928e-02	-2.3751e+00	-6.9547e-02	6.8299e-01
	297	-4.0783e-01	1.4074e-16	-8.6035e-01	-2.5917e+00	1.4493e+00	3.7670e-02
	499	-1.3997e+00	1.4074e-16	-5.0393e-01	-4.8102e+00	-1.7214e+00	-9.8926e-02
	295	-1.3997e+00	-1.5550e-01	2.8349e-01	-7.5499e-01	3.8668e-01	5.4639e-01
279	293	-3.6404e-01	4.6701e-02	2.8935e-01	-2.5283e+00	1.0988e-01	7.2206e-01
	296	-3.6404e-01	8.1445e-16	3.1053e-01	-2.1113e+00	1.5284e-01	6.4673e-01
	297	-4.0783e-01	-3.7908e-16	-2.2968e-01	-2.2267e+00	-1.0109e-01	6.6274e-01
	294	-4.0783e-01	4.6701e-02	-2.5086e-01	-2.4828e+00	-1.2720e-01	7.3807e-01
280	292	-1.1935e+00	-1.5352e-01	-2.6711e-01	-1.7744e+00	3.8146e-01	6.6065e-01
	498	-1.1935e+00	-2.8147e-16	4.7489e-01	-3.5178e+00	-1.0472e+00	1.2089e+00
	296	-3.6404e-01	-2.8147e-16	8.7912e-01	-2.2766e+00	9.5274e-01	1.1593e+00
	293	-3.6404e-01	-1.5352e-01	1.3713e-01	-2.5072e+00	-2.6204e-01	6.1107e-01
281	289	-8.5495e-01	-2.7479e-02	-2.1773e-01	-8.2611e-01	-1.1883e-01	1.2145e-01
	294	-8.5495e-01	-1.5550e-01	1.1233e-01	-1.6603e+00	8.6824e-02	8.0627e-01
	295	-6.0149e-01	-1.5550e-01	2.2714e-01	-3.2814e+00	-5.1458e-01	7.0325e-01
	291	-6.0149e-01	-2.7479e-02	-1.0292e-01	1.4301e+00	1.3549e-01	1.8424e-02
282	286	-7.2079e-01	-7.0796e-02	1.3484e-01	-1.9566e+00	-5.8719e-01	1.7516e-01
	293	-7.2079e-01	4.6701e-02	9.4972e-02	-1.2277e+00	-2.7144e-01	6.1118e-01
	294	-8.5495e-01	4.6701e-02	-6.5604e-02	-1.4354e+00	-3.2869e-02	8.6742e-01
	289	-8.5495e-01	-7.0796e-02	-2.5738e-02	-1.3447e+00	-8.2246e-01	4.3140e-01
283	285	-2.6047e-01	-1.0351e-01	9.7943e-02	-1.8750e+00	1.0981e-01	1.0436e-02
	292	-2.6047e-01	-1.5352e-01	-2.0476e-01	-1.8471e+00	-1.5233e-01	3.8632e-01
	293	-7.2079e-01	-1.5352e-01	-5.7254e-02	-1.2967e+00	-1.0366e-01	6.1881e-01

	286	-7.2079e-01	-1.0351e-01	2.4545e-01	-2.0768e+00	-1.3687e+00	2.4292e-01
284	290	-4.0676e-01	5.4569e-30	5.9214e-01	5.3055e+00	-4.1287e+00	-3.0578e+00
	289	-4.0676e-01	-2.7479e-02	-9.9942e-02	4.2191e-01	-1.3739e-01	-4.0430e-01
	291	-1.7106e+00	-2.7479e-02	1.6874e-01	-2.6281e+00	-1.4300e+00	-1.0253e+00
	20	-1.7106e+00	7.9330e-30	8.6083e-01	1.0816e+01	5.2400e+00	-3.6788e+00
285	288	-3.2670e-01	-3.1677e-16	-1.5275e-01	3.0165e+00	-1.5757e+00	-1.4688e+00
	286	-3.2670e-01	-7.0796e-02	-5.6684e-02	1.5149e-01	-1.3385e+00	-1.2626e-01
	289	-4.0676e-01	-7.0796e-02	9.2050e-02	2.3398e-01	-4.8552e-01	-5.6664e-01
	290	-4.0676e-01	-2.0876e-17	-4.0192e-03	4.1790e+00	1.6513e+00	-1.9092e+00
286	19	-1.1188e+00	-6.9769e-03	-6.9112e-01	4.0063e+00	9.0478e-01	-2.0387e-01
	285	-1.1119e+00	-1.0468e-01	-1.4271e-02	-1.5266e+00	-7.4033e-01	5.1673e-02
	286	-3.2492e-01	-1.0398e-01	5.5907e-02	-3.2011e-01	-1.0639e+00	-4.2178e-01
	288	-3.1806e-01	-6.3018e-03	-6.2147e-01	3.0484e+00	-6.8963e-01	-6.5752e-01
287	281	-2.0197e-01	-2.0218e-01	-1.1910e-01	-1.0813e+00	6.0429e-02	3.5068e-01
	284	-2.0197e-01	-1.6243e-15	-7.5717e-01	-8.3245e-01	6.0042e-01	-2.8236e-03
	497	-8.1175e-01	-8.3667e-16	-3.4669e-01	-2.4282e+00	-5.9692e-01	-6.8122e-02
	282	-8.1175e-01	-2.0218e-01	2.9137e-01	5.6004e-02	1.4446e-01	2.8538e-01
288	280	-2.8468e-01	-4.4429e-02	3.8862e-01	-1.4836e+00	8.7520e-02	3.3334e-01
	283	-2.8468e-01	-5.6545e-16	2.7275e-01	-7.2225e-01	-1.1896e-01	5.9868e-01
	284	-2.0197e-01	1.0254e-15	-2.9929e-01	-6.5589e-01	2.0603e-01	5.2015e-01
	281	-2.0197e-01	-4.4429e-02	-1.8343e-01	-1.2058e+00	2.4176e-01	2.5481e-01
289	279	-2.0577e+00	-1.7960e-01	-2.1603e-01	5.7443e-01	3.6946e-01	3.9645e-01
	496	-2.0577e+00	1.4506e-15	7.8380e-01	-4.9899e+00	-1.6032e+00	1.6247e+00
	283	-2.8468e-01	2.4764e-15	1.1650e+00	-1.2840e+00	1.5620e+00	1.5345e+00
	280	-2.8468e-01	-1.7960e-01	1.6514e-01	-1.5386e+00	-1.3249e-01	3.0625e-01
290	276	-5.9985e-01	-1.7849e-01	-2.9269e-02	4.0446e-01	9.0369e-02	4.7636e-02
	281	-5.9985e-01	-2.0218e-01	2.0701e-01	-1.4419e-01	9.6602e-02	2.8089e-01
	282	-2.9447e-01	-2.0218e-01	1.2070e-01	-6.6714e-01	6.2374e-03	3.5284e-01
	278	-2.9447e-01	-1.7849e-01	-1.1558e-01	1.2299e+00	-2.0941e-01	1.1958e-01
291	274	-7.9079e-01	-6.6340e-02	1.3871e-01	1.6074e-01	-8.5338e-02	-1.6630e-02
	280	-7.9079e-01	-4.4429e-02	1.5127e-01	-1.0565e-01	2.2965e-01	7.6008e-02
	281	-5.9985e-01	-4.4429e-02	1.4269e-01	-5.8941e-02	3.1711e-02	2.6401e-01
	276	-5.9985e-01	-6.6340e-02	1.3013e-01	2.3418e-01	-2.3313e-01	1.7137e-01
292	273	-7.3570e-01	-1.8499e-01	1.6342e-01	8.5525e-01	-3.3322e-02	-8.0926e-02
	279	-7.3570e-01	-1.7960e-01	-1.6867e-01	-1.1611e+00	2.0416e-01	1.3589e-01
	280	-7.9079e-01	-1.7960e-01	-7.2207e-02	-2.8228e-01	-1.1519e-01	2.0648e-01
	274	-7.9079e-01	-1.8499e-01	2.5988e-01	2.5762e-01	-9.5434e-02	-1.0332e-02
293	277	-2.2308e-01	2.1549e-15	1.0387e+00	1.3250e+00	-1.5469e+00	-1.2400e+00
	276	-2.2308e-01	-1.7849e-01	2.2485e-01	1.6484e+00	1.1747e-01	-3.3603e-02
	278	-1.5160e+00	-1.7849e-01	-1.6749e-01	-4.6295e-01	-3.7615e-01	-1.2853e-01
	18	-1.5160e+00	1.3412e-15	6.4635e-01	5.0011e+00	1.5810e+00	-1.3350e+00
294	275	-2.5569e-01	3.4231e-16	-1.7806e-01	7.1237e-01	-1.8614e-01	-2.0408e-01
	274	-2.5569e-01	-6.6340e-02	-1.4444e-01	1.3851e+00	-2.4460e-01	1.6520e-02
	276	-2.2308e-01	-6.6340e-02	3.8425e-01	1.6077e+00	-1.2966e-01	-7.2667e-02
	277	-2.2308e-01	-7.3267e-16	3.5062e-01	7.7583e-01	8.6947e-02	-2.9327e-01
295	17	-1.4054e+00	-1.0975e-15	-5.4201e-01	2.8919e+00	7.4869e-01	4.7853e-01
	273	-1.4054e+00	-1.8499e-01	2.4936e-01	-6.3951e-02	-1.7736e-01	7.4661e-03
	274	-2.5569e-01	-1.8499e-01	-2.3270e-02	1.2728e+00	-5.5639e-02	-6.7250e-02
	275	-2.5569e-01	-1.6581e-15	-8.1464e-01	9.4420e-01	-7.5126e-01	4.0381e-01
296	268	-2.6234e-01	-2.4263e-01	-4.5588e-02	-3.8272e-02	-3.2849e-01	-1.2464e+00
	272	-2.6234e-01	0.0000e+00	-8.5110e-01	2.8109e-01	3.8457e-01	-1.9111e+00
	495	-1.0829e+00	0.0000e+00	-4.4143e-01	-3.6097e-03	-3.8516e-01	-1.8850e+00
	269	-1.0829e+00	-2.4263e-01	3.6408e-01	-6.1559e-01	2.4751e-01	-1.2204e+00
297	267	-3.0399e-01	-7.4059e-02	5.0895e-01	1.1922e+00	9.8803e-02	-1.1467e+00
	271	-3.0399e-01	1.4074e-16	3.6739e-01	8.6647e-01	5.8884e-01	-2.0824e+00
	272	-2.6234e-01	1.4074e-16	-2.6900e-01	4.7695e-01	-6.1168e-01	-2.0583e+00
	268	-2.6234e-01	-7.4059e-02	-1.2744e-01	3.6815e-01	-1.9580e-01	-1.1226e+00

298	266	-2.3634e+00	-1.9393e-01	-1.5727e-01	-1.8435e+00	-7.6585e-01	-1.1361e+00
	494	-2.3634e+00	-1.4074e-16	9.5389e-01	8.6448e+00	3.0828e+00	-3.7088e+00
	271	-3.0399e-01	-1.4074e-16	1.3620e+00	1.9758e+00	-2.9354e+00	-3.6041e+00
	267	-3.0399e-01	-1.9393e-01	2.5080e-01	1.4887e+00	5.9036e-01	-1.0314e+00
299	231	-8.1882e-01	-2.0387e-01	1.0292e-02	-2.4607e+00	-7.1840e-01	6.8138e-01
	268	-8.1882e-01	-2.4263e-01	3.4595e-01	-1.5440e+00	-3.0484e-01	-1.0367e+00
	269	-6.0668e-01	-2.4263e-01	1.6274e-01	-3.0732e-01	4.4782e-01	-1.1536e+00
	237	-6.0668e-01	-2.0387e-01	-1.7293e-01	-5.9257e+00	1.2219e+00	5.6449e-01
300	229	-8.2565e-01	-3.6092e-02	2.5699e-01	-1.7670e+00	-3.1450e-01	1.4721e-01
	267	-8.2565e-01	-7.4059e-02	2.4924e-01	-8.1460e-01	-1.0197e-01	-4.7240e-01
	268	-8.1882e-01	-7.4059e-02	2.6411e-01	-1.6283e+00	2.8158e-01	-8.3563e-01
	231	-8.1882e-01	-3.6092e-02	2.7186e-01	-1.7569e+00	1.6143e+00	-2.1602e-01
301	228	-6.1593e-01	-2.6438e-01	1.8234e-01	-1.1827e+00	-3.6524e-01	7.5478e-01
	266	-6.1593e-01	-1.9393e-01	-1.7454e-01	7.5970e-01	-4.6663e-01	-5.3738e-01
	267	-8.2565e-01	-1.9393e-01	-8.9175e-03	-4.5627e-01	6.2433e-01	-6.9588e-01
	229	-8.2565e-01	-2.6438e-01	3.4796e-01	-1.6426e+00	1.0118e+00	5.9628e-01
302	232	-3.0707e-01	0.0000e+00	1.3854e+00	-5.0443e+00	7.2503e+00	7.3877e+00
	231	-3.0707e-01	-2.0387e-01	2.8315e-01	-6.6491e+00	-7.6308e-01	1.4274e+00
	237	-2.3162e+00	-2.0387e-01	-2.0074e-01	2.3426e+00	1.6825e+00	1.7876e+00
	16	-2.3162e+00	0.0000e+00	9.0154e-01	-2.1766e+01	-7.4418e+00	7.7479e+00
303	230	-2.7291e-01	7.1356e-30	-3.2345e-01	-1.8578e+00	1.5683e+00	3.1845e+00
	229	-2.7291e-01	-3.6092e-02	-1.6681e-01	-3.4474e+00	1.3840e+00	8.7002e-01
	231	-3.0707e-01	-3.6092e-02	5.4472e-01	-5.9703e+00	-1.2177e-01	1.1700e+00
	232	-3.0707e-01	-8.6043e-30	3.8808e-01	-2.3366e+00	-1.2313e+00	3.4845e+00
304	15	-1.0401e+00	0.0000e+00	-3.9351e-01	8.2628e-01	1.3877e+00	2.7975e+00
	228	-1.0401e+00	-2.6438e-01	4.7751e-01	-2.5657e+00	-1.3863e-01	1.2260e+00
	229	-2.7291e-01	-2.6438e-01	-7.5841e-02	-2.6056e+00	7.6627e-01	1.3632e+00
	230	-2.7291e-01	0.0000e+00	-9.4686e-01	-1.1719e+00	-1.1832e+00	2.9347e+00
305	224	9.8404e-02	-8.3404e-02	1.1404e-01	-9.6802e+00	1.7288e+00	-2.8168e+00
	227	9.8404e-02	1.3508e-15	-6.6430e-01	-3.5954e+00	6.0445e+00	-1.3916e+01
	493	-1.1937e+00	1.3097e-15	-6.2763e-01	-3.1496e+01	-5.4011e+00	-1.3325e+01
	225	-1.1937e+00	-8.3404e-02	1.5070e-01	-7.4769e+00	-2.1076e+00	-2.2251e+00
306	223	8.4889e-03	-1.0478e-01	6.5769e-02	1.3029e+01	-3.2088e+00	-3.2852e+00
	226	8.4889e-03	-8.9991e-17	2.5364e-02	5.9381e-01	1.8239e+00	-1.0923e+01
	227	9.8404e-02	-4.1398e-16	-1.2291e-01	1.0333e+00	-2.1191e+00	-9.3723e+00
	224	9.8404e-02	-1.0478e-01	-8.2501e-02	-5.0923e+00	2.3501e-01	-1.7349e+00
307	222	-7.3139e-02	-4.0364e-02	-2.4180e-01	1.1180e+01	7.2549e+00	5.4891e+00
	492	-7.3139e-02	3.2165e-17	1.1327e-01	1.0547e+02	1.7080e+01	-2.9650e+01
	226	8.4889e-03	-4.0006e-16	3.0463e-01	1.1922e+01	-2.0148e+01	-3.2134e+01
	223	8.4889e-03	-4.0364e-02	-5.0445e-02	2.3376e+01	-6.0314e+00	3.0050e+00
308	219	-3.1840e-01	-3.5432e-02	-4.4163e-01	-9.5493e+00	1.2698e+00	2.6425e+00
	224	-3.1840e-01	-8.3404e-02	1.2507e-01	-5.9573e+00	-3.9803e-01	1.2472e-01
	225	-6.9587e-01	-8.3404e-02	2.5017e-01	-1.0355e+01	8.4257e-01	-8.6679e-01
	221	-6.9587e-01	-3.5432e-02	-3.1652e-01	-1.0981e+01	8.8787e-01	1.6510e+00
309	217	-1.1071e-01	-2.4252e-02	-1.5050e-01	-6.8910e+00	7.3806e+00	9.3915e+00
	223	-1.1071e-01	-1.0478e-01	-6.3616e-02	2.7857e+00	-4.2799e+00	5.6579e+00
	224	-3.1840e-01	-1.0478e-01	-7.1471e-02	-5.6165e+00	2.8271e+00	-4.1850e-01
	219	-3.1840e-01	-2.4252e-02	-1.5836e-01	-7.1328e+00	1.6651e+00	3.3151e+00
310	216	-2.2478e-01	-7.8405e-02	5.1016e-02	-1.0887e+01	4.5337e+00	1.3869e+01
	222	-2.2478e-01	-4.0364e-02	-8.7390e-02	1.4139e+01	-4.3301e+00	1.1770e+01
	223	-1.1071e-01	-4.0364e-02	-1.7983e-01	7.9977e+00	2.0678e+00	7.5033e+00
	217	-1.1071e-01	-7.8405e-02	-4.1424e-02	-9.6037e+00	5.7641e-01	9.6018e+00
311	220	3.4154e-02	-2.0488e-15	9.9295e-01	-4.4834e+00	6.1508e+00	1.3685e+01
	219	3.4154e-02	-3.5432e-02	-1.7622e-01	-1.3060e+01	3.4122e+00	3.2080e+00
	221	-1.3843e-01	-3.5432e-02	-8.2188e-01	-8.5755e+00	-1.9771e+00	3.5163e+00
	10	-1.3843e-01	-7.5252e-16	3.4728e-01	-3.3224e+01	-5.2483e+00	1.3994e+01
312	218	4.9905e-02	-3.1141e-16	-1.4741e-01	-2.6046e+00	1.1315e-01	4.0937e-01

	217	4.9905e-02	-2.4252e-02	-2.1119e-01	-1.4669e+01	6.0970e+00	2.3170e+00
	219	3.4154e-02	-2.4252e-02	1.0705e-01	-1.0085e+01	3.7308e+00	7.4066e+00
	220	3.4154e-02	3.4949e-16	1.7083e-01	-2.7719e+00	9.2113e-01	5.4989e+00
313	9	-6.5898e-01	5.4347e-16	-2.6224e-01	-8.3018e+01	-1.2856e+01	-1.7319e+01
	216	-6.5898e-01	-7.8405e-02	-7.3765e-03	-9.1509e+00	-5.2866e+00	8.7892e+00
	217	4.9905e-02	-7.8405e-02	-1.0211e-01	-2.1715e+01	7.1634e+00	8.2458e+00
	218	4.9905e-02	7.4459e-16	-3.5697e-01	-1.0008e+01	1.5672e+01	-1.7863e+01
314	210	-3.6211e-01	-3.2195e-01	-4.1110e-01	-6.6947e+01	8.3508e+00	6.8202e+00
	215	-3.6211e-01	-3.5103e-15	-1.5900e+00	-2.8721e+01	6.2476e+00	7.5393e+00
	479	-1.6995e+00	-1.3449e-15	-6.3370e-01	-4.9655e+01	-3.6272e+00	4.1139e+00
	211	-1.6995e+00	-3.2195e-01	5.4520e-01	-4.5038e+01	4.3848e+00	3.3948e+00
315	209	-4.6824e-01	7.9292e-03	5.7231e-01	-9.9289e+01	5.2172e+00	8.0101e+00
	212	-4.6824e-01	-7.9806e-16	4.3267e-01	-2.9948e+01	-7.6449e+00	2.7121e+01
	215	-3.6211e-01	1.6509e-15	-6.4689e-01	-2.9374e+01	1.3026e+01	2.0592e+01
	210	-3.6211e-01	7.9292e-03	-5.0724e-01	-7.3977e+01	1.9442e+01	1.4816e+00
316	208	-2.8227e+00	-3.1070e-01	-4.0265e-01	-3.8638e+00	1.6378e+01	1.3931e+01
	478	-2.8227e+00	1.6239e-15	9.2170e-01	-2.4579e+02	-7.4953e+01	7.7152e+01
	212	-4.6824e-01	3.4483e-15	1.7220e+00	-5.7876e+01	7.6018e+01	7.3428e+01
	209	-4.6824e-01	-3.1070e-01	3.9764e-01	-1.0615e+02	-4.3156e+00	1.0207e+01
317	205	-9.7782e-01	-6.2911e-02	-1.4686e-01	-5.5413e+01	7.9606e+00	-2.5342e+00
	210	-9.7782e-01	-3.2195e-01	2.4863e-02	-6.0840e+01	1.1612e+01	-5.5849e-01
	211	-4.5556e-01	-3.2195e-01	1.4746e-01	-5.2066e+01	3.2468e+00	2.0885e-01
	207	-4.5556e-01	-6.2911e-02	-2.4261e-02	-6.1511e+01	4.6318e+00	-1.7668e+00
318	203	-1.2288e+00	-6.8168e-01	1.3728e-01	-6.8871e+01	7.4072e+00	-1.0231e+01
	209	-1.2288e+00	7.9292e-03	2.2785e-01	-5.5570e+01	2.2333e+01	-5.3055e+00
	210	-9.7782e-01	7.9292e-03	-7.1277e-02	-6.1377e+01	5.7094e+00	-2.3122e+00
	205	-9.7782e-01	-6.8168e-01	-1.6185e-01	-5.6391e+01	1.1796e+01	-7.2382e+00
319	202	-1.2364e+00	-5.1663e-02	-1.1677e-01	-5.2928e+01	4.7164e+00	-1.1970e+01
	208	-1.2364e+00	-3.1070e-01	-8.9455e-02	-9.6490e+01	1.5513e+01	2.4579e+00
	209	-1.2288e+00	-3.1070e-01	5.3184e-02	-6.1713e+01	-3.9617e+00	4.3288e+00
	203	-1.2288e+00	-5.1663e-02	2.5867e-02	-6.8162e+01	1.3104e+00	-1.0100e+01
320	206	-2.1820e-01	9.6698e-16	4.6510e-01	-2.7080e+01	1.9422e+01	6.0950e+00
	205	-2.1820e-01	-6.2911e-02	-1.4515e-01	-7.2951e+01	4.0419e+00	-5.1712e+00
	207	-2.6823e+00	-6.2911e-02	1.0141e+00	-3.4409e+01	6.1320e+00	-2.3764e+00
	6	-2.6823e+00	3.2945e-15	1.6244e+00	-8.0883e+01	-1.7501e+01	8.8898e+00
321	204	-6.3596e-01	-4.0425e-16	1.7546e-01	-5.9968e+01	-1.1381e+01	-2.0593e+01
	203	-6.3596e-01	-6.8168e-01	5.6948e-02	-5.1483e+01	8.8932e+00	-1.1307e+01
	205	-2.1820e-01	-6.8168e-01	-1.6014e-01	-7.3922e+01	5.3608e+00	-7.4793e+00
	206	-2.1820e-01	8.0436e-17	-4.1631e-02	-2.4951e+01	1.4332e+01	-1.6766e+01
322	5	-3.1497e+00	-2.0282e-15	-1.0334e+00	-6.4687e+01	-1.9576e+00	-1.5718e+01
	202	-3.1497e+00	-5.1663e-02	-1.1998e+00	-5.8504e+01	2.1831e+00	-1.1291e+01
	203	-6.3596e-01	-5.1663e-02	-5.4463e-02	-5.2990e+01	1.6512e+00	-1.0202e+01
	204	-6.3596e-01	2.7278e-16	1.1185e-01	-6.4206e+01	2.5737e+00	-1.4628e+01
323	198	-5.5074e-01	-3.3139e-01	-3.6978e-01	7.3566e+01	-7.3550e+00	-2.8876e+00
	201	-5.5074e-01	-1.9682e-15	-1.9414e+00	3.6228e+01	-1.8078e+01	6.3144e+00
	475	-3.6593e+00	-1.5615e-15	-1.3936e+00	8.6637e+01	1.5431e+01	1.0310e+01
	199	-3.6593e+00	-3.3139e-01	1.7799e-01	3.5621e+01	-7.0923e+00	1.1083e+00
324	197	-4.8032e-01	-1.2336e-01	5.2590e-01	1.0091e+02	-8.4309e+00	-5.4791e+00
	200	-4.8032e-01	-6.1573e-17	6.5474e-01	3.3133e+01	5.6807e+00	-2.1693e+01
	201	-5.5074e-01	-6.1573e-17	-4.4310e-01	3.2600e+01	-1.1884e+01	-1.3978e+01
	198	-5.5074e-01	-1.2336e-01	-5.7195e-01	7.9482e+01	-2.0554e+01	2.2356e+00
325	196	-2.4616e+00	-3.7849e-01	-3.9844e-01	1.0127e-01	-1.7232e+01	-1.1374e+01
	474	-2.4616e+00	-6.1573e-17	1.0147e+00	2.5375e+02	7.6049e+01	-7.4864e+01
	200	-4.8032e-01	-6.1573e-17	1.8520e+00	6.1214e+01	-7.7539e+01	-7.0361e+01
	197	-4.8032e-01	-3.7849e-01	4.3885e-01	1.0664e+02	2.4443e+00	-6.8706e+00
326	191	-1.5820e+00	3.7011e-02	-1.8708e-01	4.6020e+01	-5.4651e+00	2.9552e+00
	198	-1.5820e+00	-3.3139e-01	-4.3736e-02	5.6189e+01	-1.0721e+01	3.7653e+00

	199	-1.3782e+00	-3.3139e-01	1.6602e-01	5.3963e+01	-5.1688e+00	2.1828e+00
	193	-1.3782e+00	3.7011e-02	2.2670e-02	4.9343e+01	-5.7516e+00	1.3727e+00
327	189	-1.3143e+00	-1.1086e+00	1.2118e-01	5.3505e+01	-8.8846e+00	1.0148e+01
	197	-1.3143e+00	-1.2336e-01	7.2213e-02	5.2465e+01	-2.3755e+01	7.4535e+00
	198	-1.5820e+00	-1.2336e-01	-2.4590e-01	5.6065e+01	-9.0787e+00	4.1346e+00
	191	-1.5820e+00	-1.1086e+00	-1.9693e-01	4.6256e+01	-1.4149e+01	6.8293e+00
328	188	-7.2932e-01	1.5482e-02	-4.9717e-02	3.8724e+01	-5.6434e+00	1.3167e+01
	196	-7.2932e-01	-3.7849e-01	-1.3953e-01	9.0841e+01	-1.6674e+01	-7.4852e-01
	197	-1.3143e+00	-3.7849e-01	-1.4835e-02	5.8780e+01	1.7285e+00	-2.0186e+00
	189	-1.3143e+00	1.5482e-02	7.4978e-02	5.1937e+01	-5.5518e+00	1.1897e+01
329	192	-3.6902e-01	3.4901e-16	3.0264e-01	1.8770e+01	-1.8374e+01	-9.6313e+00
	191	-3.6902e-01	3.7011e-02	-4.5142e-01	5.0277e+01	-3.9626e+00	3.3678e+00
	193	-4.5767e+00	3.7011e-02	1.7518e+00	2.1468e+01	-4.5210e+00	1.0125e+00
	8	-4.5767e+00	2.7610e-15	2.5059e+00	6.5186e+01	1.6846e+01	-1.1987e+01
330	190	-3.0698e-01	-5.8515e-30	2.7130e-01	1.3990e+01	-2.8485e+00	7.8865e+00
	189	-3.0698e-01	-1.1086e+00	3.3068e-01	4.5159e+01	-1.0435e+01	1.0159e+01
	191	-3.6902e-01	-1.1086e+00	-4.6127e-01	4.9506e+01	-6.5948e+00	5.6272e+00
	192	-3.6902e-01	6.3809e-30	-5.2066e-01	1.2720e+01	-8.0007e-01	3.3550e+00
331	7	-3.9878e+00	-5.9874e-29	-2.3727e+00	3.7808e+01	7.6052e+00	1.8307e+01
	188	-3.9878e+00	1.5482e-02	-1.6624e+00	3.2385e+01	-5.5394e+00	1.1532e+01
	189	-3.0698e-01	1.5482e-02	2.8448e-01	4.5002e+01	-2.6304e+00	9.3387e+00
	190	-3.0698e-01	-1.0745e-29	-4.2580e-01	1.6014e+01	-9.2987e+00	1.6113e+01
766	166	-9.1688e-03	-3.7166e-16	2.2870e-01	1.9712e+02	2.9070e+01	1.8615e+01
	169	-9.1688e-03	-2.0430e-16	1.8509e-01	-9.9107e+01	-6.4561e+00	2.8204e+00
	170	-3.9044e-02	4.3187e-16	-1.7131e-01	-2.2829e+01	6.7257e+00	3.0087e+00
	167	-3.9044e-02	-1.5807e-16	-1.2770e-01	9.8783e+01	-2.9340e+01	1.8803e+01
767	164	-3.0504e-01	-1.3272e-16	2.2247e-01	2.5571e+02	2.9075e+01	1.8787e+01
	166	-3.0504e-01	-5.1135e-16	2.3607e-01	-2.7873e+02	-2.6741e+01	1.7157e+01
	167	-3.5769e-01	-1.1364e-16	-1.2132e-01	-1.4248e+02	2.7254e+01	1.7514e+01
	165	-3.5769e-01	1.6160e-16	-1.3492e-01	1.1718e+02	-2.9587e+01	1.9144e+01
768	3	-4.7356e-01	-8.6208e-17	1.8819e-01	2.2307e+02	2.9944e+01	1.9922e+01
	164	-4.7356e-01	-2.2521e-16	1.5106e-01	-2.2944e+02	-2.8432e+01	1.8866e+01
	165	-8.1722e-01	1.7152e-17	-5.9183e-02	-8.6819e+01	2.8831e+01	1.9144e+01
	2	-8.1722e-01	1.3903e-16	-2.2055e-02	7.8973e+01	-3.0343e+01	2.0201e+01
769	128	2.7614e-02	-2.6869e-17	1.7765e-01	-1.9123e+02	-2.5191e+01	-1.9283e+01
	162	2.7614e-02	2.8147e-16	1.8212e-01	9.4596e+01	1.0829e+00	-2.4451e+00
	163	-6.6645e-02	2.6381e-16	-1.3141e-01	4.1576e+01	-1.3682e+00	-2.6444e+00
	129	-6.6645e-02	-1.3402e-16	-1.3589e-01	-1.1468e+02	2.5476e+01	-1.9482e+01
770	124	-3.7365e-01	1.3406e-16	2.2045e-01	-2.5106e+02	-2.5115e+01	-1.9062e+01
	128	-3.7365e-01	7.0369e-17	1.8798e-01	2.7125e+02	2.3000e+01	-1.7584e+01
	129	-2.6521e-01	8.2687e-17	-1.6906e-01	1.5365e+02	-2.3521e+01	-1.7948e+01
	125	-2.6521e-01	1.6685e-18	-1.3658e-01	-1.3140e+02	2.5636e+01	-1.9426e+01
771	4	-7.5611e-01	2.2141e-16	1.3926e-01	-2.2059e+02	-2.6089e+01	-1.9214e+01
	124	-7.5611e-01	1.0555e-16	2.3073e-01	2.2182e+02	2.5308e+01	-1.8668e+01
	125	-4.7162e-01	9.4033e-17	-1.1329e-01	9.5841e+01	-2.5716e+01	-1.8953e+01
	54	-4.7162e-01	6.7792e-17	-2.0477e-01	-9.3853e+01	2.6497e+01	-1.9499e+01
772	119	1.2505e-01	1.6396e-16	2.5464e-01	1.4282e+02	1.3015e+01	1.3848e+01
	122	1.2505e-01	7.9434e-17	2.4018e-01	-9.4386e+01	5.8320e+00	-8.6507e+00
	123	-1.2893e-01	-1.2363e-16	-1.5794e-01	-1.1054e+01	2.4496e+00	1.2354e+00
	121	-1.2893e-01	-1.4453e-16	-1.4347e-01	5.7749e+00	-2.1297e+01	2.3734e+01
773	117	-2.6389e-01	2.6097e-16	3.1114e-01	1.7772e+02	6.3235e+00	6.0281e+00
	119	-2.6389e-01	1.4877e-16	3.1371e-01	-1.8718e+02	-9.2373e+00	9.5066e+00
	121	-2.7987e-01	-1.5277e-16	-1.5806e-01	8.4210e+00	2.0546e+01	2.3007e+01
	118	-2.7987e-01	-7.3820e-17	-1.6062e-01	-9.5797e+00	-1.7633e+01	1.9528e+01
774	72	-5.6502e-01	2.2109e-16	2.8682e-01	1.5033e+02	6.7996e+00	7.1250e+00
	117	-5.6502e-01	1.7680e-16	2.7319e-01	-1.5832e+02	-7.7155e+00	8.2184e+00
	118	-4.3483e-01	-8.4765e-17	-1.5192e-01	1.1506e+01	1.6852e+01	1.9125e+01

	73	-4.3483e-01	-7.4343e-17	-1.3829e-01	-1.6884e+01	-1.5936e+01	1.8032e+01
775	113	3.5575e-02	3.1332e-17	1.1132e-01	-7.4419e+00	-7.0888e-01	-9.7444e-01
	115	3.5575e-02	-8.9530e-02	8.1583e-02	1.0310e+01	-1.0056e+00	-2.7226e+00
	116	-1.9866e-02	-8.9530e-02	-4.1295e-02	2.5247e+00	7.0345e-01	-2.7353e+00
	114	-1.9866e-02	1.4462e-16	-1.1557e-02	-1.9951e+00	4.4480e-01	-9.8716e-01
776	111	-2.0484e-01	1.5777e-17	1.6545e-01	-4.8777e+00	-5.8582e-01	-8.4228e-01
	113	-2.0484e-01	-9.3885e-17	1.6368e-01	4.6980e+00	1.1499e+00	-1.2195e+00
	114	-1.3270e-01	8.4109e-17	-1.0286e-02	7.6931e-01	-1.0583e+00	-1.1582e+00
	112	-1.3270e-01	1.4269e-16	-8.5110e-03	-1.4535e+00	4.9418e-01	-7.8100e-01
777	70	-2.9338e-01	-8.4949e-17	1.3572e-01	-4.9929e+00	-4.8403e-01	-6.1762e-01
	111	-2.9338e-01	2.3592e-17	1.2939e-01	5.1107e+00	7.8480e-01	-8.1875e-01
	112	-3.3779e-01	2.4039e-16	3.5858e-03	2.4004e+00	-6.6785e-01	-7.4055e-01
	71	-3.3779e-01	2.2322e-17	9.9152e-03	-2.5517e+00	3.6709e-01	-5.3941e-01
778	107	-3.1086e-02	-4.3553e-16	6.9272e-02	-2.7179e+00	7.4956e-01	-2.3135e-01
	109	-3.1086e-02	1.8284e-02	8.1804e-02	1.6800e+00	1.5929e+00	8.6334e-02
	110	-7.3746e-02	1.8284e-02	-7.9446e-02	4.7988e+00	-1.4427e+00	3.9276e-01
	108	-7.3746e-02	-3.1854e-17	-9.1978e-02	-5.5329e+00	-1.8812e+00	7.5081e-02
779	105	-1.4668e-01	1.0256e-16	4.5616e-02	-2.8063e+00	5.5241e-01	-1.8640e-01
	107	-1.4668e-01	-5.6295e-16	5.0952e-02	2.4380e+00	-7.6613e-01	-8.4213e-02
	108	-2.0765e-01	-4.7041e-16	-1.0489e-01	5.1261e+00	1.7566e+00	3.8936e-01
	106	-2.0765e-01	-2.5639e-17	-1.1023e-01	-5.3967e+00	-1.5429e+00	2.8717e-01
780	68	-3.5092e-01	-1.7232e-16	6.0091e-02	-2.8679e+00	1.3896e-01	-2.2748e-01
	105	-3.5092e-01	0.0000e+00	4.4448e-02	2.9963e+00	-4.3625e-01	-8.5337e-02
	106	-3.2898e-01	6.0964e-17	-9.0488e-02	4.8153e+00	1.3930e+00	3.7212e-01
	69	-3.2898e-01	-2.7288e-17	-7.4845e-02	-4.5511e+00	-1.0957e+00	2.2998e-01
781	101	-4.3894e-02	1.3902e-30	1.4797e-01	-2.6372e+00	-9.3739e-01	-1.6022e+00
	103	-4.3894e-02	-7.5401e-02	2.1794e-01	3.2956e+00	-1.7176e+00	-1.4451e+00
	104	-5.4080e-02	-7.5401e-02	-3.4141e-01	7.3591e-01	2.9601e+00	-1.0891e+00
	102	-5.4080e-02	-2.9790e-31	-4.1138e-01	1.3248e-01	1.1151e+00	-1.2461e+00
782	99	-2.0238e-01	1.2133e-30	1.3226e-01	-3.8913e+00	-1.2532e+00	-1.2886e+00
	101	-2.0238e-01	0.0000e+00	1.1141e-01	4.0392e+00	1.3761e+00	-1.3708e+00
	102	-2.5437e-01	1.4754e-31	-3.8505e-01	-1.8214e+00	-1.3431e+00	-1.3487e+00
	100	-2.5437e-01	-2.6000e-31	-3.6420e-01	1.8594e+00	1.2202e+00	-1.2665e+00
783	66	-3.4545e-01	-8.7961e-18	7.7811e-02	-4.1510e+00	-1.1111e+00	-1.0370e+00
	99	-3.4545e-01	0.0000e+00	8.5180e-02	3.9548e+00	1.4072e+00	-1.2350e+00
	100	-4.0312e-01	-4.7136e-32	-2.9413e-01	-1.7199e+00	-1.3674e+00	-1.2084e+00
	67	-4.0312e-01	-8.7961e-18	-3.0150e-01	1.2588e+00	1.0713e+00	-1.0103e+00
784	95	-5.0101e-02	-1.0676e-31	5.6584e-02	-2.4947e-02	1.5074e+00	-4.1692e-01
	97	-5.0101e-02	-5.6295e-16	5.9566e-02	-7.0157e-01	-6.4264e-01	-1.1465e+00
	98	-2.7019e-02	-5.6295e-16	-9.6268e-02	5.1655e+00	3.1383e-01	-1.4240e+00
	96	-2.7019e-02	5.3380e-32	-9.9249e-02	-7.1233e+00	-1.1786e+00	-6.9436e-01
785	93	-8.7016e-02	-1.0679e-31	5.0011e-02	-7.5601e-01	1.9050e+00	8.6822e-02
	95	-8.7016e-02	0.0000e+00	4.7184e-02	-1.0454e+00	-1.3675e+00	-3.6666e-01
	96	-9.4038e-02	-1.6915e-31	-8.9313e-02	8.3148e+00	8.3213e-01	-8.1839e-01
	94	-9.4038e-02	5.3397e-32	-8.6486e-02	-1.0882e+01	-1.3696e+00	-3.6491e-01
786	63	-1.4860e-01	-9.3887e-32	2.3391e-02	7.0580e+00	2.7001e+00	1.2862e+00
	93	-1.4860e-01	0.0000e+00	4.1542e-02	-2.9284e+00	-1.2092e+00	2.8270e-02
	94	-1.7693e-01	-8.6561e-32	-8.8200e-02	9.2664e+00	1.0240e+00	-1.2797e-01
	62	-1.7693e-01	4.6943e-32	-1.0635e-01	-7.2595e+00	-2.5149e+00	1.1300e+00
787	88	1.7518e-02	-3.5483e-17	6.5919e-02	-1.1604e+02	-6.5392e+00	-9.4949e+00
	90	1.7518e-02	-5.2508e-17	7.6956e-02	1.2511e+02	7.8842e+00	-1.1100e+01
	92	-3.8728e-02	1.1224e-16	-1.2824e-02	-2.3469e+01	-1.4045e+01	-1.8455e+01
	89	-3.8728e-02	-1.4501e-16	-2.3861e-02	2.8705e+01	1.2700e+01	-1.6849e+01
788	86	-6.7091e-02	5.1928e-17	6.5816e-02	-1.0677e+02	-6.9417e+00	-9.8072e+00
	88	-6.7091e-02	-5.2566e-17	7.1771e-02	1.0666e+02	7.4887e+00	-1.0460e+01
	89	-1.5482e-01	-1.7178e-16	-4.4042e-02	-3.2026e+01	-1.2412e+01	-1.6338e+01
	87	-1.5482e-01	-3.8719e-17	-4.9997e-02	3.0358e+01	1.1866e+01	-1.5685e+01

789	65	-1.5622e-01	2.8845e-17	4.5730e-02	-9.7826e+01	-4.7291e+00	-6.6373e+00
	86	-1.5622e-01	2.6050e-18	4.8629e-02	1.0246e+02	7.5897e+00	-1.0052e+01
	87	-2.1453e-01	-5.7713e-17	-4.2831e-02	-2.5079e+01	-1.2599e+01	-1.6032e+01
	64	-2.1453e-01	-3.5896e-17	-4.5730e-02	2.1560e+01	9.7380e+00	-1.2617e+01
790	82	-1.1769e-01	2.8147e-16	3.1098e-01	-3.4084e+01	-7.4736e+00	-6.9086e+00
	84	-1.1769e-01	5.6295e-16	2.2845e-01	4.0719e+01	1.3340e+01	-1.1006e+01
	85	2.0695e-01	5.6295e-16	-4.0927e-01	-1.2983e+01	-1.3371e+01	-1.1027e+01
	83	2.0695e-01	2.8147e-16	-3.2674e-01	1.3895e+01	7.5045e+00	-6.9302e+00
791	80	-2.7953e-01	0.0000e+00	2.1789e-01	-1.5161e+01	-7.6211e+00	-6.8434e+00
	82	-2.7953e-01	2.8147e-16	3.2332e-01	2.0493e+01	8.1460e+00	-7.2100e+00
	83	-6.1366e-01	2.8147e-16	-4.8414e-01	-1.8211e+01	-8.1424e+00	-7.2074e+00
	81	-6.1366e-01	0.0000e+00	-5.8957e-01	2.3031e+01	7.6175e+00	-6.8409e+00
792	59	-8.3383e-01	7.0369e-17	2.4377e-01	-5.6381e+01	-7.3115e+00	-6.0986e+00
	80	-8.3383e-01	0.0000e+00	1.1866e-01	3.4834e+01	8.0705e+00	-6.6287e+00
	81	-1.0411e+00	0.0000e+00	-4.6357e-01	-3.2224e+00	-8.1396e+00	-6.6770e+00
	57	-1.0411e+00	7.0369e-17	-3.3845e-01	-1.9065e+01	7.3806e+00	-6.1469e+00
793	76	6.9927e-02	4.2702e-16	2.7367e-01	3.6534e+02	7.1418e+01	4.8192e+01
	78	6.9927e-02	-5.6295e-16	2.4993e-01	-1.6382e+02	2.4852e+01	-1.9046e+01
	79	-1.6823e-01	-4.9434e-16	-2.0831e-01	-9.5896e+01	-2.4317e+01	-1.8673e+01
	77	-1.6823e-01	2.4509e-16	-1.8457e-01	2.0350e+02	-7.1953e+01	4.8566e+01
794	74	-3.6250e-01	1.2809e-16	3.0698e-01	4.9371e+02	6.8918e+01	4.6614e+01
	76	-3.6250e-01	0.0000e+00	3.0439e-01	-5.4671e+02	-6.2512e+01	4.2140e+01
	77	-4.8647e-01	1.7318e-17	-1.5713e-01	-2.2701e+02	6.3438e+01	4.2787e+01
	75	-4.8647e-01	-1.7276e-16	-1.5454e-01	1.6775e+02	-6.9844e+01	4.7261e+01
795	55	-6.5137e-01	4.9449e-18	2.5242e-01	5.1421e+02	6.9398e+01	4.7478e+01
	74	-6.5137e-01	-2.8147e-16	2.4088e-01	-4.8293e+02	-6.7917e+01	4.6444e+01
	75	-9.6919e-01	-3.1060e-16	-1.2743e-01	-1.4665e+02	6.8769e+01	4.7039e+01
	56	-9.6919e-01	-8.9197e-17	-1.1589e-01	1.7649e+02	-7.0250e+01	4.8073e+01
796	503	-1.0103e+00	-1.4650e-17	-3.5955e-02	2.1221e+02	1.4973e+01	1.7599e+01
	72	-1.0103e+00	-2.3504e-17	-3.6506e-02	-1.7638e+02	-3.7057e+00	4.5162e+00
	73	-8.9609e-01	1.3428e-16	2.4353e-01	1.6054e+01	1.5828e+01	1.8592e+01
	504	-8.9609e-01	1.4491e-16	2.4408e-01	-1.0605e+01	-2.7096e+01	3.1674e+01
797	496	-3.7348e-01	-1.0770e-16	8.4282e-02	-2.2396e+00	6.6870e-01	4.9823e-01
	70	-3.7348e-01	4.3390e-18	9.0446e-02	4.1986e+00	9.4478e-01	-5.5127e-01
	71	-5.0085e-01	-1.9887e-18	8.8509e-02	3.2798e+00	-7.8033e-01	-4.4429e-01
	497	-5.0085e-01	-1.2685e-16	8.2345e-02	-2.6861e+00	-8.3315e-01	6.0520e-01
798	498	-4.9046e-01	-5.7481e-17	5.8188e-02	-1.4341e+00	1.5945e-01	1.3743e-01
	68	-4.9046e-01	-2.8147e-16	4.3896e-02	2.5561e+00	5.7511e-02	3.6529e-02
	69	-5.2043e-01	-2.7434e-16	-2.2642e-02	3.2980e+00	5.7001e-01	3.2836e-01
	499	-5.2043e-01	-2.0814e-17	-8.3501e-03	-2.2698e+00	-7.8697e-01	4.2925e-01
799	495	-5.4132e-01	6.4080e-31	1.5133e-02	-1.3727e+00	-2.4936e+00	-1.5587e+00
	66	-5.4132e-01	-8.7961e-18	-1.1626e-02	2.5337e+00	1.2685e+00	-7.6180e-01
	67	-5.2738e-01	-8.7961e-18	-1.9410e-01	-5.1473e+00	-1.3823e+00	-8.3585e-01
	494	-5.2738e-01	-1.3731e-31	-1.6734e-01	7.3450e+00	2.6074e+00	-1.6327e+00
800	493	-4.0749e-01	6.0709e-17	-9.8383e-02	-4.5582e+01	-1.1985e+01	-1.3702e+01
	64	-4.0749e-01	2.5529e-17	-7.7664e-02	3.3990e+01	9.5409e+00	-1.0864e+01
	65	-2.1284e-01	-5.3064e-17	6.1055e-02	-8.7430e+01	-6.5169e+00	-7.3532e+00
	492	-2.1284e-01	-3.8510e-17	4.0335e-02	8.2427e+01	8.9607e+00	-1.0191e+01
801	500	-2.6227e-01	-9.1490e-32	4.7009e-02	2.5564e+01	-7.6911e-01	-4.1763e-01
	62	-2.6227e-01	-1.4074e-16	6.7332e-02	-1.3913e+01	-1.1479e+00	1.1556e+00
	63	-2.8237e-01	-1.4074e-16	3.5349e-02	-5.7433e+00	2.8118e+00	2.5211e+00
	501	-2.8237e-01	0.0000e+00	1.5026e-02	1.9976e+01	-8.9476e-01	9.4786e-01
802	489	-1.8966e+00	1.4074e-16	-2.5421e-02	-1.5137e+02	-2.4883e+01	-1.6690e+01
	57	-1.8966e+00	7.0369e-17	-1.9903e-01	5.7463e+01	7.7519e+00	-5.0525e+00
	59	-1.1199e+00	7.0369e-17	1.9450e-01	-6.9819e+00	-6.4720e+00	-4.1831e+00
	488	-1.1199e+00	1.4074e-16	3.6810e-01	-7.1115e+01	2.3603e+01	-1.5821e+01
803	482	-8.4969e-01	9.1448e-17	1.3453e-01	2.7883e+02	8.2289e+00	5.8037e+00

	55	-8.4969e-01	-1.4074e-16	1.4234e-01	-4.0724e+02	-7.8841e+01	5.3773e+01
	56	-1.5344e+00	-1.9411e-16	5.2605e-02	-1.8447e+02	7.4191e+01	5.0614e+01
	483	-1.5344e+00	1.5306e-16	4.4795e-02	1.2123e+02	-3.5789e+00	2.6448e+00
804	474	-1.1937e+00	7.5392e-17	3.0313e-01	-2.7053e+02	-3.0211e+01	-2.0309e+01
	4	-1.1937e+00	1.4074e-16	7.5781e-02	2.3124e+02	2.9542e+01	-1.9855e+01
	54	-5.9924e-01	1.6863e-16	-2.2601e-01	1.0172e+02	-2.6054e+01	-1.7486e+01
	475	-5.9924e-01	-2.6820e-17	1.3388e-03	-1.4040e+02	2.6723e+01	-1.7940e+01
805	479	-1.2111e+00	-1.1115e-17	-8.5976e-02	-1.2817e+02	3.3823e+01	2.3190e+01
	2	-1.2111e+00	-1.1756e-16	-2.1271e-01	1.0063e+02	-2.7699e+01	1.9030e+01
	3	-7.6005e-01	2.7862e-16	7.1327e-02	2.4796e+02	3.1252e+01	2.1444e+01
	478	-7.6005e-01	1.5484e-16	1.9806e-01	-2.8115e+02	-3.7376e+01	2.5604e+01
1	12	0.0000e+00	0.0000e+00	0.0000e+00	-1.2710e+02	-2.6631e+02	-6.5946e+01
	17	0.0000e+00	0.0000e+00	0.0000e+00	3.4341e+00	-3.2874e+02	5.4178e+01
	36	0.0000e+00	0.0000e+00	0.0000e+00	-2.5619e+01	-4.0478e+02	-1.4844e+02
2	36	0.0000e+00	0.0000e+00	0.0000e+00	2.9890e+02	8.4178e+01	1.8837e+02
	12	0.0000e+00	0.0000e+00	0.0000e+00	1.6618e+02	1.2983e+02	1.0975e+02
	466	0.0000e+00	0.0000e+00	0.0000e+00	1.2668e+02	-2.0025e+02	1.6177e+02
3	17	0.0000e+00	0.0000e+00	0.0000e+00	-3.4476e+01	-4.5521e+01	-1.1287e+01
	12	0.0000e+00	0.0000e+00	0.0000e+00	-2.1017e+02	-7.5686e+01	-4.8785e+01
	19	0.0000e+00	0.0000e+00	0.0000e+00	-4.6061e+01	7.8211e+00	-4.3782e+01
4	12	0.0000e+00	0.0000e+00	0.0000e+00	-3.7100e+01	-2.4506e+02	-8.2680e+01
	466	0.0000e+00	0.0000e+00	0.0000e+00	3.4686e+02	-1.9328e+02	1.0852e+01
	516	0.0000e+00	0.0000e+00	0.0000e+00	3.9047e+02	3.4108e+02	7.3759e+01
5	19	0.0000e+00	0.0000e+00	0.0000e+00	9.9483e+01	-2.0881e+02	-1.9163e+02
	12	0.0000e+00	0.0000e+00	0.0000e+00	-4.8633e+01	-3.4550e+02	3.2813e+01
	516	0.0000e+00	0.0000e+00	0.0000e+00	1.9248e+02	3.1289e+02	-1.6257e+02
6	346	0.0000e+00	0.0000e+00	0.0000e+00	-9.4790e+01	-9.0265e+01	6.3119e+01
	335	0.0000e+00	0.0000e+00	0.0000e+00	-9.0897e+01	-1.6851e+02	-1.0392e+01
	16	0.0000e+00	0.0000e+00	0.0000e+00	-1.5875e+02	1.2429e+02	-1.0820e+02
7	16	0.0000e+00	0.0000e+00	0.0000e+00	1.3647e+02	2.6197e+02	3.6513e+01
	346	0.0000e+00	0.0000e+00	0.0000e+00	2.0320e+01	3.0629e+02	-5.2198e+01
	19	0.0000e+00	0.0000e+00	0.0000e+00	3.6555e+01	1.2484e+02	8.7266e+00
8	16	0.0000e+00	0.0000e+00	0.0000e+00	8.0924e+00	-4.7218e+01	-6.1574e+00
	335	0.0000e+00	0.0000e+00	0.0000e+00	-1.9592e+02	-1.0641e+02	1.2627e+02
	463	0.0000e+00	0.0000e+00	0.0000e+00	1.5738e+02	2.6516e+02	-7.9604e+01
9	16	0.0000e+00	0.0000e+00	0.0000e+00	1.6863e+02	1.2147e+01	5.6920e+01
	19	0.0000e+00	0.0000e+00	0.0000e+00	7.5299e+01	5.3371e+01	-7.8964e+00
	15	0.0000e+00	0.0000e+00	0.0000e+00	7.4784e+01	-5.4993e+01	1.0520e+02
10	19	0.0000e+00	0.0000e+00	0.0000e+00	-7.1558e+01	2.7963e+01	7.8038e+01
	15	0.0000e+00	0.0000e+00	0.0000e+00	1.1402e+02	-1.1764e+02	5.7277e+01
	17	0.0000e+00	0.0000e+00	0.0000e+00	2.5971e+01	-3.6025e+01	-9.9645e+00
11	15	0.0000e+00	0.0000e+00	0.0000e+00	9.5150e+01	8.5435e+01	4.3727e+01
	17	0.0000e+00	0.0000e+00	0.0000e+00	-8.5574e+00	7.6130e+01	1.4391e+02
	35	0.0000e+00	0.0000e+00	0.0000e+00	1.8704e+02	4.0731e+02	3.9903e+01
12	15	0.0000e+00	0.0000e+00	0.0000e+00	1.6813e+02	-1.1825e+02	-7.1758e+01
	35	0.0000e+00	0.0000e+00	0.0000e+00	4.5668e+02	-1.9603e+02	1.0461e+02
	10	0.0000e+00	0.0000e+00	0.0000e+00	3.3683e+02	-1.4823e+02	-1.3152e+02
13	10	0.0000e+00	0.0000e+00	0.0000e+00	1.7995e+02	6.8105e+01	9.5318e+01
	15	0.0000e+00	0.0000e+00	0.0000e+00	4.7822e+01	3.0421e+01	1.0590e+02
	16	0.0000e+00	0.0000e+00	0.0000e+00	4.2348e+01	8.7342e-01	5.3334e+01
14	10	0.0000e+00	0.0000e+00	0.0000e+00	2.2284e+02	9.9239e+01	-1.2162e+02
	16	0.0000e+00	0.0000e+00	0.0000e+00	8.6521e+01	-9.1433e+01	-3.7777e+01
	463	0.0000e+00	0.0000e+00	0.0000e+00	1.4896e+02	2.2434e+02	-1.3650e+02
24	584	0.0000e+00	0.0000e+00	0.0000e+00	1.7915e+02	-1.4818e+01	-3.7082e+02
	511	0.0000e+00	0.0000e+00	0.0000e+00	-4.4129e+01	-4.3537e+02	-1.3097e+02

	32	0.0000e+00	0.0000e+00	0.0000e+00	2.2999e+02	6.0202e+02	-5.6674e+02
25	412	0.0000e+00	0.0000e+00	0.0000e+00	1.8241e+02	-1.5644e+02	-7.5284e+01
	584	0.0000e+00	0.0000e+00	0.0000e+00	2.8364e+02	-3.4117e+01	-1.7090e+02
	511	0.0000e+00	0.0000e+00	0.0000e+00	2.9434e+02	2.1265e+02	-1.6220e+02
26	52	0.0000e+00	0.0000e+00	0.0000e+00	-2.1018e+02	3.1718e+02	-2.3465e+02
	584	0.0000e+00	0.0000e+00	0.0000e+00	-7.2347e+01	4.4978e+02	-3.0641e+02
	32	0.0000e+00	0.0000e+00	0.0000e+00	-6.0446e+00	7.5034e+02	-2.8632e+02
27	412	0.0000e+00	0.0000e+00	0.0000e+00	1.6369e+02	1.7392e+02	1.1581e+02
	52	0.0000e+00	0.0000e+00	0.0000e+00	-4.5920e+02	2.9419e+02	8.7491e+01
	584	0.0000e+00	0.0000e+00	0.0000e+00	-1.4698e+02	2.2944e+02	3.5385e+02
124	52	0.0000e+00	0.0000e+00	0.0000e+00	2.0047e+02	1.4149e+02	-1.1797e+02
	464	0.0000e+00	0.0000e+00	0.0000e+00	-3.1900e+02	-2.4326e+02	-3.8011e+01
	421	0.0000e+00	0.0000e+00	0.0000e+00	-1.3555e+02	-4.9422e+01	-1.1644e+02
	536	0.0000e+00	0.0000e+00	0.0000e+00	1.0755e+02	-9.1202e+01	-1.9884e+02
129	5	0.0000e+00	0.0000e+00	0.0000e+00	2.9548e+02	-4.3437e+02	-2.4238e+02
	586	0.0000e+00	0.0000e+00	0.0000e+00	-4.4200e+02	-5.7252e+02	-5.3870e+02
	535	0.0000e+00	0.0000e+00	0.0000e+00	1.6437e+02	-3.2405e+02	-3.1719e+02
130	535	0.0000e+00	0.0000e+00	0.0000e+00	1.8229e+02	6.8934e+00	2.2916e+02
	586	0.0000e+00	0.0000e+00	0.0000e+00	-3.1415e+01	-1.1899e+02	5.6024e+01
	28	0.0000e+00	0.0000e+00	0.0000e+00	1.6314e+02	4.7002e+02	2.2213e+02
131	28	0.0000e+00	0.0000e+00	0.0000e+00	2.7173e+02	9.4434e+01	-3.1002e+01
	27	0.0000e+00	0.0000e+00	0.0000e+00	2.7359e+02	1.9863e+02	-9.5921e+01
	534	0.0000e+00	0.0000e+00	0.0000e+00	2.2013e+02	-2.9156e+02	1.6341e+01
	535	0.0000e+00	0.0000e+00	0.0000e+00	4.0848e+02	-2.5249e+02	-7.1705e+01
132	204	0.0000e+00	0.0000e+00	0.0000e+00	6.2054e+02	-1.3400e+02	7.3158e+01
	5	0.0000e+00	0.0000e+00	0.0000e+00	5.5001e+02	-3.7347e+02	-6.1100e+00
	535	0.0000e+00	0.0000e+00	0.0000e+00	4.9319e+02	-2.7151e+02	-9.8662e+01
	534	0.0000e+00	0.0000e+00	0.0000e+00	2.7212e+02	-3.5813e+02	-8.8496e+00
133	462	0.0000e+00	0.0000e+00	0.0000e+00	-1.2877e+02	1.4631e+02	-8.3814e+01
	414	0.0000e+00	0.0000e+00	0.0000e+00	-1.8698e+01	-2.0491e+02	-2.6933e+02
	6	0.0000e+00	0.0000e+00	0.0000e+00	-1.3771e+02	6.6191e+02	-2.3978e+02
	533	0.0000e+00	0.0000e+00	0.0000e+00	-1.9022e+02	2.8727e+01	-1.1366e+01
134	534	0.0000e+00	0.0000e+00	0.0000e+00	-2.2991e+02	5.4027e+01	2.1180e+02
	27	0.0000e+00	0.0000e+00	0.0000e+00	2.0645e+02	2.1330e+02	9.6363e+01
	462	0.0000e+00	0.0000e+00	0.0000e+00	-1.1274e+02	-2.1855e+02	6.7674e+01
	533	0.0000e+00	0.0000e+00	0.0000e+00	-1.5854e+01	3.2681e+01	1.6328e+02
135	204	0.0000e+00	0.0000e+00	0.0000e+00	-4.5933e+01	1.7120e+02	1.4073e+02
	534	0.0000e+00	0.0000e+00	0.0000e+00	-3.1109e+02	1.6264e+02	1.4356e+02
	533	0.0000e+00	0.0000e+00	0.0000e+00	-3.3840e+02	2.5369e+02	5.3598e+01
	6	0.0000e+00	0.0000e+00	0.0000e+00	-1.0955e+02	4.6727e+02	6.0077e+01
136	454	0.0000e+00	0.0000e+00	0.0000e+00	1.1201e+02	3.6841e+01	7.7504e+01
	515	0.0000e+00	0.0000e+00	0.0000e+00	6.9137e+01	-2.3660e+02	1.4612e+02
	582	0.0000e+00	0.0000e+00	0.0000e+00	1.2209e+02	-6.0489e+00	-8.0023e+00
137	582	0.0000e+00	0.0000e+00	0.0000e+00	1.2639e+02	9.4921e+01	7.6341e+01
	515	0.0000e+00	0.0000e+00	0.0000e+00	-1.4199e+02	-3.3751e+02	1.0893e+02
	532	0.0000e+00	0.0000e+00	0.0000e+00	4.2606e+01	-1.4795e+02	-1.7004e+02
138	515	0.0000e+00	0.0000e+00	0.0000e+00	3.1200e+02	-4.1298e+02	-2.1965e+02
	516	0.0000e+00	0.0000e+00	0.0000e+00	-1.3288e+02	-3.9026e+02	-7.1471e+01
	11	0.0000e+00	0.0000e+00	0.0000e+00	2.7153e+02	2.0711e+01	-1.6748e+02
139	11	0.0000e+00	0.0000e+00	0.0000e+00	-1.1138e+00	-3.0539e+02	-1.5640e+00
	515	0.0000e+00	0.0000e+00	0.0000e+00	3.3333e+02	9.6287e+01	-7.7229e+01
	532	0.0000e+00	0.0000e+00	0.0000e+00	-3.0049e+00	9.0311e+01	1.7343e+02
140	346	0.0000e+00	0.0000e+00	0.0000e+00	5.2209e-01	1.7335e+02	5.7371e+01
	11	0.0000e+00	0.0000e+00	0.0000e+00	2.2733e+02	2.0607e+02	1.8715e+02
	19	0.0000e+00	0.0000e+00	0.0000e+00	5.9453e+01	6.6091e+01	4.4238e+01

141	11	0.0000e+00	0.0000e+00	0.0000e+00	3.5901e+02	1.0859e+01	-6.9289e+00
	516	0.0000e+00	0.0000e+00	0.0000e+00	-1.7068e+02	-1.3897e+02	-3.3414e+01
	19	0.0000e+00	0.0000e+00	0.0000e+00	2.3634e+02	-1.4900e+00	-1.7009e+02
142	514	0.0000e+00	0.0000e+00	0.0000e+00	-3.7214e+01	-5.0388e+01	9.7952e+01
	532	0.0000e+00	0.0000e+00	0.0000e+00	1.3618e+02	-9.1166e+01	8.9304e+01
	11	0.0000e+00	0.0000e+00	0.0000e+00	1.7459e+02	3.4986e+02	1.1234e+02
	346	0.0000e+00	0.0000e+00	0.0000e+00	-3.1295e+01	1.9835e+02	1.3236e+02
143	463	0.0000e+00	0.0000e+00	0.0000e+00	-5.8169e-01	-4.7898e+02	-1.5074e+01
	513	0.0000e+00	0.0000e+00	0.0000e+00	1.4951e+02	-1.8549e+02	7.9342e+01
	530	0.0000e+00	0.0000e+00	0.0000e+00	-2.0822e+02	-1.2755e+02	6.0411e+01
	335	0.0000e+00	0.0000e+00	0.0000e+00	3.3451e+02	1.4561e+02	5.4743e+01
144	514	0.0000e+00	0.0000e+00	0.0000e+00	-1.9543e+01	1.6579e+01	-4.6335e+01
	346	0.0000e+00	0.0000e+00	0.0000e+00	3.5908e+02	2.6001e+01	1.0176e+01
	335	0.0000e+00	0.0000e+00	0.0000e+00	3.1116e+02	2.0751e+01	4.8721e+01
	530	0.0000e+00	0.0000e+00	0.0000e+00	-2.8819e+02	-4.7028e+01	-6.9241e+01
145	531	0.0000e+00	0.0000e+00	0.0000e+00	-1.7798e+02	-1.9344e+02	2.6186e+01
	451	0.0000e+00	0.0000e+00	0.0000e+00	2.6963e+01	-9.4503e+01	8.1838e+01
	454	0.0000e+00	0.0000e+00	0.0000e+00	5.3777e+01	1.7216e+01	5.6946e+01
	582	0.0000e+00	0.0000e+00	0.0000e+00	1.7107e+02	2.1804e+02	-4.4269e+01
146	514	0.0000e+00	0.0000e+00	0.0000e+00	-1.0928e+02	-7.8226e+01	-9.9207e+01
	531	0.0000e+00	0.0000e+00	0.0000e+00	-2.5770e+02	-2.0706e+02	-4.0874e-01
	582	0.0000e+00	0.0000e+00	0.0000e+00	1.5288e+02	2.7177e+02	-1.2891e+01
	532	0.0000e+00	0.0000e+00	0.0000e+00	-1.8250e+02	1.7406e+02	-1.3259e+02
147	450	0.0000e+00	0.0000e+00	0.0000e+00	-4.6731e+01	3.4355e+01	7.0002e+01
	451	0.0000e+00	0.0000e+00	0.0000e+00	-6.2241e+01	-5.1683e+01	1.6215e+01
	531	0.0000e+00	0.0000e+00	0.0000e+00	-1.2899e+02	-2.0400e+02	-6.6085e+01
	469	0.0000e+00	0.0000e+00	0.0000e+00	-5.0176e+01	-1.9038e+01	-4.9869e+01
148	530	0.0000e+00	0.0000e+00	0.0000e+00	-1.9509e+02	-2.5494e+02	-1.2010e+02
	513	0.0000e+00	0.0000e+00	0.0000e+00	-1.6168e+02	-2.6875e+02	-1.3322e+01
	450	0.0000e+00	0.0000e+00	0.0000e+00	1.4692e+00	-1.0048e+02	5.3837e+01
	469	0.0000e+00	0.0000e+00	0.0000e+00	-1.1584e+02	-1.2259e+02	-7.4506e+01
149	514	0.0000e+00	0.0000e+00	0.0000e+00	3.1203e+01	-9.8354e+01	1.3874e+01
	530	0.0000e+00	0.0000e+00	0.0000e+00	-1.1062e+02	-2.4177e+02	-2.8469e+01
	469	0.0000e+00	0.0000e+00	0.0000e+00	-8.0214e+01	-3.1192e+02	-9.0089e+01
	531	0.0000e+00	0.0000e+00	0.0000e+00	-9.1711e+01	-3.0590e+02	-5.3564e+01
150	21	0.0000e+00	0.0000e+00	0.0000e+00	-3.9071e+02	-1.8536e+02	-2.9457e+02
	22	0.0000e+00	0.0000e+00	0.0000e+00	3.8559e+02	1.0859e+02	-1.9705e+02
	30	0.0000e+00	0.0000e+00	0.0000e+00	4.7491e+02	2.7639e+02	-5.6397e+00
151	171	0.0000e+00	0.0000e+00	0.0000e+00	5.9478e+02	-1.4220e+02	-2.7402e+01
	30	0.0000e+00	0.0000e+00	0.0000e+00	-4.8617e+02	-3.7705e+02	-9.5648e+01
	21	0.0000e+00	0.0000e+00	0.0000e+00	5.5259e+02	2.3652e+02	-1.7259e+02
152	171	0.0000e+00	0.0000e+00	0.0000e+00	-1.2249e+02	4.3365e+02	5.6829e+01
	21	0.0000e+00	0.0000e+00	0.0000e+00	2.7265e+02	3.2138e+02	-1.7339e+01
	413	0.0000e+00	0.0000e+00	0.0000e+00	-6.9477e+01	-2.6176e+01	-1.5594e+02
153	413	0.0000e+00	0.0000e+00	0.0000e+00	1.0812e+02	-1.2732e+02	5.2009e+01
	171	0.0000e+00	0.0000e+00	0.0000e+00	-4.3880e+02	-2.0878e+02	3.9581e+01
	398	0.0000e+00	0.0000e+00	0.0000e+00	-1.4965e+01	-4.3929e+00	-1.2948e+01
154	524	0.0000e+00	0.0000e+00	0.0000e+00	5.8361e+01	-4.2545e+02	7.6230e+01
	526	0.0000e+00	0.0000e+00	0.0000e+00	8.7708e+02	-3.5332e+02	2.3513e+01
	525	0.0000e+00	0.0000e+00	0.0000e+00	7.9950e+02	9.7692e+01	1.2325e+02
155	524	0.0000e+00	0.0000e+00	0.0000e+00	-2.9657e+02	-3.3289e+02	-9.5868e+01
	525	0.0000e+00	0.0000e+00	0.0000e+00	3.6691e+02	2.7479e+02	-5.9102e+02
	34	0.0000e+00	0.0000e+00	0.0000e+00	-5.3285e+02	2.4048e+02	1.8907e+02
156	23	0.0000e+00	0.0000e+00	0.0000e+00	-2.2660e+02	1.3847e+02	1.4689e+02
	513	0.0000e+00	0.0000e+00	0.0000e+00	2.2068e+02	2.4416e+02	1.1424e+02
	450	0.0000e+00	0.0000e+00	0.0000e+00	2.5814e+01	1.6013e+02	2.0734e+02

157	425	0.0000e+00	0.0000e+00	0.0000e+00	6.6353e+01	-8.5735e+01	1.5397e+02
	450	0.0000e+00	0.0000e+00	0.0000e+00	-3.9671e+01	-1.8716e+02	2.1450e+02
	23	0.0000e+00	0.0000e+00	0.0000e+00	4.3379e+01	-3.8181e+01	1.4099e+02
158	34	0.0000e+00	0.0000e+00	0.0000e+00	-8.3453e+01	-1.9414e+01	-1.0950e+02
	524	0.0000e+00	0.0000e+00	0.0000e+00	5.6048e+02	-2.1683e+02	-2.0713e+02
	33	0.0000e+00	0.0000e+00	0.0000e+00	4.7430e+02	7.2237e+02	-5.4448e+02
159	33	0.0000e+00	0.0000e+00	0.0000e+00	-1.7855e+02	-7.2007e+02	4.7760e+00
	34	0.0000e+00	0.0000e+00	0.0000e+00	1.7265e+02	-8.8400e+02	1.9110e+02
	465	0.0000e+00	0.0000e+00	0.0000e+00	1.4858e+02	-3.5180e+02	7.1622e+01
160	33	0.0000e+00	0.0000e+00	0.0000e+00	-2.9729e+02	-9.4294e+02	-1.0387e+02
	465	0.0000e+00	0.0000e+00	0.0000e+00	1.0004e+02	-2.9876e+02	-5.5080e+00
	512	0.0000e+00	0.0000e+00	0.0000e+00	-2.2181e+02	2.5192e+02	2.4605e+02
161	465	0.0000e+00	0.0000e+00	0.0000e+00	-1.9335e+01	-1.6956e+02	3.2748e+01
	34	0.0000e+00	0.0000e+00	0.0000e+00	-6.5648e+02	-4.6656e+02	1.7800e+02
	10	0.0000e+00	0.0000e+00	0.0000e+00	-3.3697e+02	1.9339e+02	-2.7208e+02
162	10	0.0000e+00	0.0000e+00	0.0000e+00	1.6980e+02	-3.1414e+02	-1.7101e+02
	34	0.0000e+00	0.0000e+00	0.0000e+00	-5.9633e+02	-5.5253e+02	-2.2906e+02
	35	0.0000e+00	0.0000e+00	0.0000e+00	1.6264e+02	-2.2790e+02	-3.9529e+02
163	35	0.0000e+00	0.0000e+00	0.0000e+00	2.7977e+02	2.7402e+02	-1.3237e+02
	17	0.0000e+00	0.0000e+00	0.0000e+00	-1.0911e+02	1.8893e+02	-1.2091e+02
	36	0.0000e+00	0.0000e+00	0.0000e+00	-7.7062e+01	7.1006e+01	-2.0400e+02
164	529	0.0000e+00	0.0000e+00	0.0000e+00	-1.8645e+02	-9.6230e+02	-1.0538e+02
	526	0.0000e+00	0.0000e+00	0.0000e+00	2.1616e+02	-6.5642e+02	-2.2650e+02
	42	0.0000e+00	0.0000e+00	0.0000e+00	4.6087e+02	2.9433e+02	1.0420e+02
	127	0.0000e+00	0.0000e+00	0.0000e+00	-2.8775e+02	-3.2022e+02	1.7118e+02
165	33	0.0000e+00	0.0000e+00	0.0000e+00	4.9712e+02	1.0347e+03	8.1098e+01
	524	0.0000e+00	0.0000e+00	0.0000e+00	-5.0075e+02	-9.8296e+01	1.6822e+02
	526	0.0000e+00	0.0000e+00	0.0000e+00	2.6703e+01	-7.1574e+02	-2.9165e+02
	529	0.0000e+00	0.0000e+00	0.0000e+00	-5.7822e+01	-9.9508e+02	-3.0040e+02
166	528	0.0000e+00	0.0000e+00	0.0000e+00	-1.5396e+02	-8.3168e+02	1.0795e+00
	529	0.0000e+00	0.0000e+00	0.0000e+00	-4.5222e+01	-9.3185e+02	-4.3098e+01
	127	0.0000e+00	0.0000e+00	0.0000e+00	-8.6072e+01	-1.1988e+02	7.3309e+00
	126	0.0000e+00	0.0000e+00	0.0000e+00	-1.2690e+02	-3.1390e+02	5.3031e+00
167	32	0.0000e+00	0.0000e+00	0.0000e+00	-3.1457e+02	8.0610e+02	-2.4169e+01
	33	0.0000e+00	0.0000e+00	0.0000e+00	2.9257e+02	1.1443e+03	-5.6766e+01
	529	0.0000e+00	0.0000e+00	0.0000e+00	-2.3042e+00	-8.9969e+02	9.9293e+01
	528	0.0000e+00	0.0000e+00	0.0000e+00	-8.7262e+01	-7.6159e+02	4.3589e+01
168	511	0.0000e+00	0.0000e+00	0.0000e+00	-2.1441e+02	-2.8409e+02	-1.0439e+02
	512	0.0000e+00	0.0000e+00	0.0000e+00	9.0171e+01	-1.4673e+02	-5.2524e+01
	33	0.0000e+00	0.0000e+00	0.0000e+00	3.3419e+02	1.2391e+03	1.0262e+02
	32	0.0000e+00	0.0000e+00	0.0000e+00	-2.7370e+02	7.9010e+02	1.5629e+01
169	464	0.0000e+00	0.0000e+00	0.0000e+00	-1.0663e+01	-4.4936e+02	8.9490e+00
	528	0.0000e+00	0.0000e+00	0.0000e+00	-3.3835e+02	-6.9386e+02	4.1853e+01
	126	0.0000e+00	0.0000e+00	0.0000e+00	-3.8894e+02	-1.0094e+02	-1.1442e+02
	1	0.0000e+00	0.0000e+00	0.0000e+00	-7.8028e+00	9.0151e+01	-1.6872e+02
170	52	0.0000e+00	0.0000e+00	0.0000e+00	-4.0686e+02	2.3329e+02	6.4041e+01
	32	0.0000e+00	0.0000e+00	0.0000e+00	-6.0370e+01	7.0425e+02	1.1531e+02
	528	0.0000e+00	0.0000e+00	0.0000e+00	-1.2475e+02	-7.8944e+02	1.1977e+02
	464	0.0000e+00	0.0000e+00	0.0000e+00	-1.6769e+02	-3.2432e+02	6.9449e+01
171	527	0.0000e+00	0.0000e+00	0.0000e+00	-5.2415e+00	-5.0209e+02	9.2805e+01
	521	0.0000e+00	0.0000e+00	0.0000e+00	-1.3778e+02	-8.1401e+02	1.3389e+02
	45	0.0000e+00	0.0000e+00	0.0000e+00	1.1777e+02	1.4195e+01	-2.1360e+02
	506	0.0000e+00	0.0000e+00	0.0000e+00	-6.4748e+02	1.5232e+02	-2.3844e+01
172	35	0.0000e+00	0.0000e+00	0.0000e+00	6.7125e+01	3.7648e+02	1.3062e+02
	36	0.0000e+00	0.0000e+00	0.0000e+00	-1.1106e+02	2.0535e+02	5.9361e+01
	521	0.0000e+00	0.0000e+00	0.0000e+00	-1.2880e+02	-6.8553e+02	-1.1429e+02

	527	0.0000e+00	0.0000e+00	0.0000e+00	-1.3270e+02	-5.8364e+02	-6.1168e+01
173	525	0.0000e+00	0.0000e+00	0.0000e+00	2.9045e+02	-7.5449e+02	-2.1082e+02
	527	0.0000e+00	0.0000e+00	0.0000e+00	-1.1845e+02	-5.1593e+02	-6.2975e+01
	506	0.0000e+00	0.0000e+00	0.0000e+00	-6.2885e+02	1.8211e+02	6.6944e+01
	44	0.0000e+00	0.0000e+00	0.0000e+00	2.8505e+02	-6.5300e+01	2.0563e+02
174	34	0.0000e+00	0.0000e+00	0.0000e+00	2.8079e+02	5.0112e+02	1.4943e+02
	35	0.0000e+00	0.0000e+00	0.0000e+00	-1.0988e+02	2.5272e+02	8.3432e+01
	527	0.0000e+00	0.0000e+00	0.0000e+00	-7.9836e+01	-6.9912e+02	-5.9865e+01
	525	0.0000e+00	0.0000e+00	0.0000e+00	-8.8350e+01	-7.2972e+02	-1.5300e+01
175	526	0.0000e+00	0.0000e+00	0.0000e+00	4.8016e+02	-9.6246e+02	-1.5874e+02
	525	0.0000e+00	0.0000e+00	0.0000e+00	-1.1340e+02	-5.5246e+02	-4.8981e+01
	44	0.0000e+00	0.0000e+00	0.0000e+00	1.6796e+01	3.0239e+02	1.8731e+02
	42	0.0000e+00	0.0000e+00	0.0000e+00	2.0660e+02	1.1493e+02	1.0727e+02
176	522	0.0000e+00	0.0000e+00	0.0000e+00	-5.7075e+01	-7.8297e+02	1.6538e+02
	588	0.0000e+00	0.0000e+00	0.0000e+00	1.1819e+02	-1.1149e+03	-1.0905e+02
	7	0.0000e+00	0.0000e+00	0.0000e+00	-2.2990e+02	4.5794e+02	-2.0157e+02
	47	0.0000e+00	0.0000e+00	0.0000e+00	-2.1562e+01	5.8431e+02	-3.9135e+01
177	38	0.0000e+00	0.0000e+00	0.0000e+00	3.2678e+01	9.1304e+02	-1.4523e+01
	39	0.0000e+00	0.0000e+00	0.0000e+00	-3.5567e+02	9.6634e+02	1.1510e+02
	588	0.0000e+00	0.0000e+00	0.0000e+00	1.5194e+02	-9.3960e+02	1.4840e+02
	522	0.0000e+00	0.0000e+00	0.0000e+00	-3.7685e+01	-8.2293e+02	-1.1196e+02
178	518	0.0000e+00	0.0000e+00	0.0000e+00	-2.1801e+02	-2.0722e+02	-3.8388e+01
	587	0.0000e+00	0.0000e+00	0.0000e+00	2.1706e+02	-4.8572e+02	-3.3077e+02
	39	0.0000e+00	0.0000e+00	0.0000e+00	-3.1722e+02	1.1879e+03	-3.2960e+02
	38	0.0000e+00	0.0000e+00	0.0000e+00	7.7353e+01	1.1063e+03	-1.1651e+02
179	520	0.0000e+00	0.0000e+00	0.0000e+00	8.0686e+01	-6.0615e+02	1.4855e+02
	522	0.0000e+00	0.0000e+00	0.0000e+00	-2.8538e+01	-1.0668e+03	5.3986e+01
	47	0.0000e+00	0.0000e+00	0.0000e+00	4.4100e+01	3.4019e+02	-1.1585e+02
	46	0.0000e+00	0.0000e+00	0.0000e+00	-1.0870e+02	4.6628e+02	-6.8185e+01
180	37	0.0000e+00	0.0000e+00	0.0000e+00	-1.1889e+02	7.5615e+02	5.4223e+01
	38	0.0000e+00	0.0000e+00	0.0000e+00	7.6917e+01	7.9358e+02	5.7742e+01
	522	0.0000e+00	0.0000e+00	0.0000e+00	7.4110e+00	-9.6790e+02	-2.7388e+01
	520	0.0000e+00	0.0000e+00	0.0000e+00	7.7290e+01	-6.9549e+02	-1.0762e+02
181	517	0.0000e+00	0.0000e+00	0.0000e+00	-4.9552e+01	2.5546e+01	-2.0821e+01
	518	0.0000e+00	0.0000e+00	0.0000e+00	1.9431e+02	-4.1504e+02	-1.6569e+01
	38	0.0000e+00	0.0000e+00	0.0000e+00	9.7501e+01	6.8942e+02	-1.3797e+02
	37	0.0000e+00	0.0000e+00	0.0000e+00	-3.2130e+01	7.8064e+02	-1.3803e+02
182	521	0.0000e+00	0.0000e+00	0.0000e+00	5.5692e+01	-4.7839e+02	1.2607e+02
	520	0.0000e+00	0.0000e+00	0.0000e+00	-9.7968e+01	-9.4506e+02	1.0551e+02
	46	0.0000e+00	0.0000e+00	0.0000e+00	2.7049e+01	1.5456e+02	-1.1230e+02
	45	0.0000e+00	0.0000e+00	0.0000e+00	-6.3567e+01	3.4319e+02	-1.1752e+02
183	36	0.0000e+00	0.0000e+00	0.0000e+00	-2.4760e+02	3.7599e+02	2.1452e+01
	37	0.0000e+00	0.0000e+00	0.0000e+00	1.0219e+02	5.6703e+02	1.3997e+00
	520	0.0000e+00	0.0000e+00	0.0000e+00	-6.3376e+01	-8.7823e+02	-6.5225e+01
	521	0.0000e+00	0.0000e+00	0.0000e+00	-3.2046e+00	-5.5998e+02	-6.5626e+01
184	466	0.0000e+00	0.0000e+00	0.0000e+00	-1.1255e+02	1.6013e+02	-1.0539e+02
	517	0.0000e+00	0.0000e+00	0.0000e+00	2.1772e+01	-2.0952e+02	-2.7576e+01
	37	0.0000e+00	0.0000e+00	0.0000e+00	1.2037e+00	4.9988e+02	-1.4626e+02
	36	0.0000e+00	0.0000e+00	0.0000e+00	-1.2379e+02	4.9228e+02	-1.8768e+02
185	28	0.0000e+00	0.0000e+00	0.0000e+00	1.8522e+01	2.3217e+02	1.1752e+02
	586	0.0000e+00	0.0000e+00	0.0000e+00	-3.1371e+02	-6.5084e+02	2.0010e+02
	587	0.0000e+00	0.0000e+00	0.0000e+00	4.9147e+01	-4.6882e+02	-1.8386e+02
	518	0.0000e+00	0.0000e+00	0.0000e+00	-1.7239e+02	-4.6318e+02	-2.7156e+02
186	29	0.0000e+00	0.0000e+00	0.0000e+00	1.7442e+02	3.1437e+02	5.8145e+01
	28	0.0000e+00	0.0000e+00	0.0000e+00	6.5960e+01	2.5983e+02	1.5059e+01
	518	0.0000e+00	0.0000e+00	0.0000e+00	1.4227e+02	-6.5783e+02	-7.5527e+01
	517	0.0000e+00	0.0000e+00	0.0000e+00	9.0128e+00	-5.8026e+02	-4.4919e+01

187	26	0.0000e+00	0.0000e+00	0.0000e+00	1.2372e+02	2.4485e+02	-4.2839e+01
	27	0.0000e+00	0.0000e+00	0.0000e+00	5.9402e+01	2.8478e+02	2.0149e+01
	28	0.0000e+00	0.0000e+00	0.0000e+00	3.6492e+01	3.4895e+02	1.5986e+01
	29	0.0000e+00	0.0000e+00	0.0000e+00	2.2329e+02	4.0256e+02	-4.7003e+01
188	457	0.0000e+00	0.0000e+00	0.0000e+00	7.0439e+00	-8.1266e+01	-1.9092e+01
	462	0.0000e+00	0.0000e+00	0.0000e+00	9.8426e+01	-1.5146e+02	6.4350e+01
	27	0.0000e+00	0.0000e+00	0.0000e+00	6.3434e+01	2.1108e+02	2.2154e+01
	26	0.0000e+00	0.0000e+00	0.0000e+00	8.8055e+01	2.4260e+02	-4.7173e+01
189	516	0.0000e+00	0.0000e+00	0.0000e+00	-4.9528e+02	-3.3251e+02	1.4437e+01
	29	0.0000e+00	0.0000e+00	0.0000e+00	2.9262e+02	2.3525e+02	9.5118e+00
	517	0.0000e+00	0.0000e+00	0.0000e+00	-1.3769e+02	-5.6997e+02	5.3015e+01
	466	0.0000e+00	0.0000e+00	0.0000e+00	6.1895e+01	7.4137e+01	-1.2097e+02
190	515	0.0000e+00	0.0000e+00	0.0000e+00	-1.8118e+02	2.6500e+02	-1.7091e+02
	26	0.0000e+00	0.0000e+00	0.0000e+00	4.0906e+02	1.1413e+02	-5.8905e+01
	29	0.0000e+00	0.0000e+00	0.0000e+00	2.2156e+02	1.6224e+02	-1.1778e+02
	516	0.0000e+00	0.0000e+00	0.0000e+00	-6.1054e+02	-5.0719e+01	-1.2394e+02
191	454	0.0000e+00	0.0000e+00	0.0000e+00	-3.8635e+01	1.5191e+02	-1.1959e+02
	457	0.0000e+00	0.0000e+00	0.0000e+00	6.6562e+01	-5.2036e+01	-5.8514e+01
	26	0.0000e+00	0.0000e+00	0.0000e+00	1.8563e+02	9.8677e+01	-1.7163e+02
	515	0.0000e+00	0.0000e+00	0.0000e+00	-3.1687e+02	1.8867e+01	-8.2112e+01
192	31	0.0000e+00	0.0000e+00	0.0000e+00	2.0664e+02	1.3713e+02	-6.8535e+01
	463	0.0000e+00	0.0000e+00	0.0000e+00	-3.4439e+02	-1.3543e+02	1.6367e+01
	10	0.0000e+00	0.0000e+00	0.0000e+00	1.3244e+02	-1.0832e+02	4.8163e+01
	465	0.0000e+00	0.0000e+00	0.0000e+00	-1.7036e+01	-4.0478e+02	-7.1388e+01
193	23	0.0000e+00	0.0000e+00	0.0000e+00	2.3428e+02	6.2577e+01	4.0580e+01
	513	0.0000e+00	0.0000e+00	0.0000e+00	-2.1749e+02	1.6678e+02	9.4432e+01
	463	0.0000e+00	0.0000e+00	0.0000e+00	-5.1888e+02	1.9670e+01	4.6781e+01
	31	0.0000e+00	0.0000e+00	0.0000e+00	1.2445e+02	1.3262e+02	8.1510e+01
194	30	0.0000e+00	0.0000e+00	0.0000e+00	3.1088e+02	2.1004e+02	-3.8573e+01
	31	0.0000e+00	0.0000e+00	0.0000e+00	4.9287e+01	2.1716e+02	-1.1358e+02
	465	0.0000e+00	0.0000e+00	0.0000e+00	2.2782e+01	-4.3824e+02	2.4991e+01
	512	0.0000e+00	0.0000e+00	0.0000e+00	2.8700e+02	-6.0723e+02	8.8414e+01
195	22	0.0000e+00	0.0000e+00	0.0000e+00	1.9283e+02	9.8997e+01	-4.2037e+01
	23	0.0000e+00	0.0000e+00	0.0000e+00	9.7756e+01	9.8535e+01	5.0859e+01
	31	0.0000e+00	0.0000e+00	0.0000e+00	7.2608e+01	3.1665e+02	8.7966e+00
	30	0.0000e+00	0.0000e+00	0.0000e+00	3.2326e+02	4.6203e+02	-8.3858e+01
196	418	0.0000e+00	0.0000e+00	0.0000e+00	2.9007e+01	-5.7613e+01	-1.1058e+02
	425	0.0000e+00	0.0000e+00	0.0000e+00	4.4350e+01	-6.8291e+01	4.0300e+01
	23	0.0000e+00	0.0000e+00	0.0000e+00	8.1611e+01	1.3300e+02	5.8963e+01
	22	0.0000e+00	0.0000e+00	0.0000e+00	1.1591e+02	1.6279e+02	-7.1751e+01
197	171	0.0000e+00	0.0000e+00	0.0000e+00	-5.3199e+02	-1.1645e+02	5.3618e+00
	30	0.0000e+00	0.0000e+00	0.0000e+00	4.3287e+02	1.9587e+02	2.2080e+01
	512	0.0000e+00	0.0000e+00	0.0000e+00	-1.7081e+01	-5.6358e+02	-3.7347e+01
	511	0.0000e+00	0.0000e+00	0.0000e+00	-1.6895e+02	-1.5094e+02	-7.2996e+01
198	415	0.0000e+00	0.0000e+00	0.0000e+00	-8.2180e+01	-2.7080e+01	-1.7832e+02
	418	0.0000e+00	0.0000e+00	0.0000e+00	6.9891e+01	-2.2677e+01	-2.2955e+02
	22	0.0000e+00	0.0000e+00	0.0000e+00	3.2373e+02	1.1172e+02	-2.0126e+02
	21	0.0000e+00	0.0000e+00	0.0000e+00	-3.5850e+02	-5.3544e+01	-1.4323e+02
199	398	0.0000e+00	0.0000e+00	0.0000e+00	-5.4450e+01	-1.3240e+02	-9.1110e+01
	171	0.0000e+00	0.0000e+00	0.0000e+00	-4.6595e+02	-1.0253e+02	-9.9344e+01
	511	0.0000e+00	0.0000e+00	0.0000e+00	-2.3426e+02	-1.4914e+02	-1.5306e+02
	412	0.0000e+00	0.0000e+00	0.0000e+00	3.2327e+01	1.3673e+01	-1.8626e+02
200	53	0.0000e+00	0.0000e+00	0.0000e+00	1.4387e+01	1.2818e+02	1.5521e+02
	415	0.0000e+00	0.0000e+00	0.0000e+00	-1.1939e+02	-4.1751e+01	-2.0745e+01
	21	0.0000e+00	0.0000e+00	0.0000e+00	-2.6286e+02	-3.8708e+01	-5.1872e+01
	413	0.0000e+00	0.0000e+00	0.0000e+00	1.9988e+01	5.1594e+00	9.9134e+01
201	510	0.0000e+00	0.0000e+00	0.0000e+00	-5.6453e+01	-9.3687e+02	3.2906e+01

	491	0.0000e+00	0.0000e+00	0.0000e+00	1.3591e+02	-9.4319e+02	-4.1512e+01
	186	0.0000e+00	0.0000e+00	0.0000e+00	-2.2617e+01	-3.3441e+02	-5.3876e+01
	400	0.0000e+00	0.0000e+00	0.0000e+00	-1.2119e+01	-2.9356e+02	8.3919e+00
202	41	0.0000e+00	0.0000e+00	0.0000e+00	1.7901e+02	9.0386e+02	3.8535e+01
	43	0.0000e+00	0.0000e+00	0.0000e+00	-9.1203e+01	6.9252e+02	1.9795e+01
	491	0.0000e+00	0.0000e+00	0.0000e+00	4.6496e+01	-5.2221e+02	8.2253e+01
	510	0.0000e+00	0.0000e+00	0.0000e+00	8.0889e+01	-8.4032e+02	9.5136e+01
203	127	0.0000e+00	0.0000e+00	0.0000e+00	-2.6855e+02	6.9221e+01	1.0647e+02
	42	0.0000e+00	0.0000e+00	0.0000e+00	5.2381e+02	7.5938e+02	4.8631e+01
	43	0.0000e+00	0.0000e+00	0.0000e+00	1.3419e+02	8.4557e+02	1.0009e+02
	41	0.0000e+00	0.0000e+00	0.0000e+00	3.1079e+01	1.3597e+03	1.6315e+02
204	509	0.0000e+00	0.0000e+00	0.0000e+00	-5.9556e+01	-7.5191e+02	3.7693e+01
	510	0.0000e+00	0.0000e+00	0.0000e+00	5.1407e+01	-9.2683e+02	3.2016e+01
	400	0.0000e+00	0.0000e+00	0.0000e+00	-5.5945e+01	-3.0672e+02	-7.4169e+01
	399	0.0000e+00	0.0000e+00	0.0000e+00	1.2125e+01	-2.6168e+02	-4.0362e+01
205	40	0.0000e+00	0.0000e+00	0.0000e+00	-1.4350e+02	8.4092e+02	-1.9999e+00
	41	0.0000e+00	0.0000e+00	0.0000e+00	-3.8659e+00	1.0655e+03	3.2808e+01
	510	0.0000e+00	0.0000e+00	0.0000e+00	2.4707e+01	-6.0982e+02	1.9495e+02
	509	0.0000e+00	0.0000e+00	0.0000e+00	-3.8798e+01	-6.4743e+02	7.0037e+01
206	126	0.0000e+00	0.0000e+00	0.0000e+00	-1.0017e+02	1.0126e+01	3.9834e+00
	127	0.0000e+00	0.0000e+00	0.0000e+00	4.3553e+01	2.1447e+01	-7.0758e+00
	41	0.0000e+00	0.0000e+00	0.0000e+00	1.0327e+02	1.3445e+03	5.7149e+01
	40	0.0000e+00	0.0000e+00	0.0000e+00	-1.7355e+02	1.1481e+03	6.8208e+01
207	91	0.0000e+00	0.0000e+00	0.0000e+00	2.9485e+02	-1.2868e+02	6.7218e+01
	509	0.0000e+00	0.0000e+00	0.0000e+00	-3.0605e+02	-6.4809e+02	7.5360e+01
	399	0.0000e+00	0.0000e+00	0.0000e+00	-1.5454e+02	-1.3511e+02	-1.5874e+02
	60	0.0000e+00	0.0000e+00	0.0000e+00	1.3945e+02	-4.8298e+01	-1.7586e+02
208	168	0.0000e+00	0.0000e+00	0.0000e+00	-3.7012e+02	1.5882e+01	7.3719e+00
	40	0.0000e+00	0.0000e+00	0.0000e+00	2.1244e+02	9.6490e+02	1.1328e+01
	509	0.0000e+00	0.0000e+00	0.0000e+00	-2.4250e+02	-5.2568e+02	2.2202e+02
	91	0.0000e+00	0.0000e+00	0.0000e+00	1.5421e+02	-2.7869e+00	1.3648e+02
209	1	0.0000e+00	0.0000e+00	0.0000e+00	-3.9485e+01	2.6906e+02	-2.1334e+02
	126	0.0000e+00	0.0000e+00	0.0000e+00	-8.1243e+01	-1.5126e+02	-1.8255e+02
	40	0.0000e+00	0.0000e+00	0.0000e+00	3.3269e+02	1.0283e+03	-8.3333e+00
	168	0.0000e+00	0.0000e+00	0.0000e+00	-4.5445e+02	9.6069e+01	-9.6195e+00
210	508	0.0000e+00	0.0000e+00	0.0000e+00	4.8887e+01	-7.3317e+02	4.5304e+01
	476	0.0000e+00	0.0000e+00	0.0000e+00	-1.0178e+02	-8.4959e+02	4.5659e+01
	187	0.0000e+00	0.0000e+00	0.0000e+00	-3.7579e+01	-2.5408e+02	8.5999e+00
	407	0.0000e+00	0.0000e+00	0.0000e+00	-1.1667e+01	-2.7695e+02	5.7799e+00
211	507	0.0000e+00	0.0000e+00	0.0000e+00	-5.2360e+02	-4.2253e+01	-1.3359e+02
	49	0.0000e+00	0.0000e+00	0.0000e+00	2.4136e+02	3.8304e+02	1.7439e+01
	476	0.0000e+00	0.0000e+00	0.0000e+00	-4.8339e+00	-7.2935e+02	1.6757e+01
	508	0.0000e+00	0.0000e+00	0.0000e+00	-9.2751e+00	-4.3594e+02	3.3859e+01
212	506	0.0000e+00	0.0000e+00	0.0000e+00	-5.0259e+02	7.2995e+02	-3.0673e+02
	45	0.0000e+00	0.0000e+00	0.0000e+00	1.7980e+02	5.2389e+02	-1.2438e+02
	49	0.0000e+00	0.0000e+00	0.0000e+00	1.3678e+02	8.0866e+02	-1.6759e+02
	507	0.0000e+00	0.0000e+00	0.0000e+00	-5.7164e+02	5.0676e+02	-2.1131e+02
213	487	0.0000e+00	0.0000e+00	0.0000e+00	-9.3803e+01	-9.3084e+02	-6.1274e+01
	508	0.0000e+00	0.0000e+00	0.0000e+00	7.7014e+01	-7.3991e+02	-6.2266e+01
	407	0.0000e+00	0.0000e+00	0.0000e+00	8.3531e+00	-2.8896e+02	-3.4910e+00
	406	0.0000e+00	0.0000e+00	0.0000e+00	-4.7706e+01	-2.7542e+02	3.0536e+01
214	48	0.0000e+00	0.0000e+00	0.0000e+00	2.5384e+02	3.5363e+02	-6.6145e+01
	507	0.0000e+00	0.0000e+00	0.0000e+00	-4.9567e+02	-2.9284e+01	6.5008e+01
	508	0.0000e+00	0.0000e+00	0.0000e+00	6.4382e+00	-4.4158e+02	-7.5276e+01
	487	0.0000e+00	0.0000e+00	0.0000e+00	-1.2122e+01	-7.4143e+02	-3.2363e+01
215	44	0.0000e+00	0.0000e+00	0.0000e+00	3.5963e+02	6.3679e+02	1.1526e+02
	506	0.0000e+00	0.0000e+00	0.0000e+00	-4.9198e+02	7.6571e+02	2.9192e+02

	507	0.0000e+00	0.0000e+00	0.0000e+00	-5.8723e+02	5.3802e+02	1.5617e+02
	48	0.0000e+00	0.0000e+00	0.0000e+00	1.8824e+02	8.1273e+02	1.2743e+02
216	491	0.0000e+00	0.0000e+00	0.0000e+00	-9.6085e+01	-9.7467e+02	-2.0183e+01
	487	0.0000e+00	0.0000e+00	0.0000e+00	1.1978e+02	-8.7186e+02	-9.2420e+01
	406	0.0000e+00	0.0000e+00	0.0000e+00	-1.8148e+01	-2.8418e+02	-3.8613e+01
	186	0.0000e+00	0.0000e+00	0.0000e+00	-3.9518e+01	-2.9009e+02	3.8534e+00
217	43	0.0000e+00	0.0000e+00	0.0000e+00	2.2212e+01	4.3898e+02	-8.1455e+01
	48	0.0000e+00	0.0000e+00	0.0000e+00	7.9444e+01	5.5848e+02	-1.4707e+02
	487	0.0000e+00	0.0000e+00	0.0000e+00	1.1015e+01	-5.2734e+02	3.2120e+01
	491	0.0000e+00	0.0000e+00	0.0000e+00	5.5470e+00	-6.9300e+02	3.9221e+01
218	42	0.0000e+00	0.0000e+00	0.0000e+00	7.9296e+01	7.5095e+02	3.6910e+01
	44	0.0000e+00	0.0000e+00	0.0000e+00	1.4239e+02	7.1986e+02	-2.7948e+00
	48	0.0000e+00	0.0000e+00	0.0000e+00	2.1008e+02	9.0875e+02	-1.7242e-01
	43	0.0000e+00	0.0000e+00	0.0000e+00	-3.7948e+01	8.7829e+02	3.6001e+01
219	477	0.0000e+00	0.0000e+00	0.0000e+00	1.5833e+01	-8.3910e+02	9.2434e+01
	485	0.0000e+00	0.0000e+00	0.0000e+00	9.1540e+01	-9.0056e+02	4.2982e+01
	61	0.0000e+00	0.0000e+00	0.0000e+00	6.8520e+01	-3.2551e+02	1.3420e+01
	411	0.0000e+00	0.0000e+00	0.0000e+00	-5.3419e+01	-3.2228e+02	6.4993e+01
220	51	0.0000e+00	0.0000e+00	0.0000e+00	-1.0772e+02	5.8877e+02	2.0441e+01
	8	0.0000e+00	0.0000e+00	0.0000e+00	-1.3848e+02	6.9607e+02	1.2561e+02
	485	0.0000e+00	0.0000e+00	0.0000e+00	1.0373e+02	-7.3057e+02	1.5561e+02
	477	0.0000e+00	0.0000e+00	0.0000e+00	-3.4699e+01	-5.5888e+02	-5.8034e+01
221	47	0.0000e+00	0.0000e+00	0.0000e+00	1.0225e+02	7.6736e+02	1.7882e+01
	7	0.0000e+00	0.0000e+00	0.0000e+00	-2.4294e+02	6.4943e+02	1.9130e+01
	8	0.0000e+00	0.0000e+00	0.0000e+00	-1.8464e+02	8.2934e+02	-2.0755e+01
	51	0.0000e+00	0.0000e+00	0.0000e+00	3.7380e+01	8.1381e+02	-9.1900e+00
222	473	0.0000e+00	0.0000e+00	0.0000e+00	6.2348e+01	-8.4274e+02	5.7881e+01
	477	0.0000e+00	0.0000e+00	0.0000e+00	-5.0927e+01	-8.5719e+02	1.4307e+01
	411	0.0000e+00	0.0000e+00	0.0000e+00	-8.3833e+00	-2.9897e+02	1.8366e+01
	409	0.0000e+00	0.0000e+00	0.0000e+00	-3.4725e+01	-2.9726e+02	4.4093e+01
223	50	0.0000e+00	0.0000e+00	0.0000e+00	-3.2164e+01	5.8466e+02	9.9114e+01
	51	0.0000e+00	0.0000e+00	0.0000e+00	-3.8140e+01	4.5940e+02	1.1466e+02
	477	0.0000e+00	0.0000e+00	0.0000e+00	1.3415e+01	-7.0974e+02	1.2231e+00
	473	0.0000e+00	0.0000e+00	0.0000e+00	5.7534e+00	-5.2672e+02	-7.1065e+01
224	46	0.0000e+00	0.0000e+00	0.0000e+00	2.4130e+01	6.9576e+02	1.9041e+01
	47	0.0000e+00	0.0000e+00	0.0000e+00	6.2345e+00	7.7244e+02	9.1921e+00
	51	0.0000e+00	0.0000e+00	0.0000e+00	-5.7709e+01	8.0983e+02	1.3795e+01
	50	0.0000e+00	0.0000e+00	0.0000e+00	7.6088e+01	8.7138e+02	2.3644e+01
225	476	0.0000e+00	0.0000e+00	0.0000e+00	1.3066e+02	-8.1580e+02	7.0958e+01
	473	0.0000e+00	0.0000e+00	0.0000e+00	-5.7520e+01	-8.7341e+02	2.0672e+01
	409	0.0000e+00	0.0000e+00	0.0000e+00	-5.8912e+00	-3.0321e+02	-2.9432e+00
	187	0.0000e+00	0.0000e+00	0.0000e+00	-1.4107e+01	-3.2053e+02	6.2147e+01
226	49	0.0000e+00	0.0000e+00	0.0000e+00	4.7073e+01	5.5628e+02	1.3265e+02
	50	0.0000e+00	0.0000e+00	0.0000e+00	-2.1155e+01	3.9749e+02	1.2647e+02
	473	0.0000e+00	0.0000e+00	0.0000e+00	2.2897e+01	-6.9762e+02	-2.8066e+01
	476	0.0000e+00	0.0000e+00	0.0000e+00	8.8541e+00	-5.0013e+02	-5.6778e+01
227	45	0.0000e+00	0.0000e+00	0.0000e+00	6.4340e+01	5.8697e+02	-1.7037e+00
	46	0.0000e+00	0.0000e+00	0.0000e+00	-2.8399e+01	6.9511e+02	4.5880e+00
	50	0.0000e+00	0.0000e+00	0.0000e+00	-1.1027e+02	8.4224e+02	1.0280e+01
	49	0.0000e+00	0.0000e+00	0.0000e+00	1.5387e+02	9.3167e+02	3.9886e+00
228	58	0.0000e+00	0.0000e+00	0.0000e+00	1.8525e+01	-8.4632e+01	-2.1680e+02
	1	0.0000e+00	0.0000e+00	0.0000e+00	-6.9586e+01	-1.3217e+02	-1.5241e+02
	464	0.0000e+00	0.0000e+00	0.0000e+00	3.5188e+02	3.3790e+02	-3.1781e+00
	421	0.0000e+00	0.0000e+00	0.0000e+00	-5.7775e+01	1.7419e+02	-7.4347e+01

SFORZI "#1 Permanenti portati e propri " (Fase 1)

Generato da analisi lunedì 11 aprile 2022 alle ore 15:46:51.

Elem	Nodo	N	Vy	Vz	Mx	My	Mz
15	583	5.6843e-13	2.5587e+01	1.0214e-14	9.8268e+02	-2.4443e-12	2.2396e+03
	437	-5.6843e-13	-2.5587e+01	-1.0214e-14	-9.8268e+02	-3.6380e-12	1.6444e+03
16	430	-1.1369e-13	-2.8314e+00	-5.5067e-14	2.8414e+03	-2.9559e-12	-3.8196e+00
	583	1.1369e-13	2.8314e+00	5.5067e-14	-2.8414e+03	6.8212e-13	-5.1091e+02
17	437	2.8777e-12	4.8701e+02	1.4211e-13	-3.2421e+03	-1.4552e-11	2.2078e+04
	133	-2.8777e-12	-4.2483e+01	-1.4211e-13	3.2421e+03	-9.0949e-12	9.3050e+03
18	428	-3.4106e-13	9.1922e+02	-2.8422e-14	1.0197e+03	-1.0914e-11	4.5777e+04
	131	3.4106e-13	-4.7411e+02	2.8422e-14	-1.0197e+03	-3.6380e-12	3.6914e+04
19	427	-6.8212e-13	-1.3913e+03	-8.5265e-14	2.1122e+03	3.6380e-12	-1.1369e+05
	130	6.8212e-13	1.8366e+03	8.5265e-14	-2.1122e+03	0.0000e+00	-7.7987e+04
20	430	-3.5243e-12	1.0459e+03	0.0000e+00	-1.6668e+04	-5.4570e-12	6.8351e+04
	132	3.5243e-12	-5.9942e+02	0.0000e+00	1.6668e+04	-1.8190e-12	2.9605e+04
21	446	2.6148e-12	2.1516e+03	5.6843e-14	1.6035e+04	1.8190e-12	1.4622e+05
	134	-2.6148e-12	-1.7024e+03	-5.6843e-14	-1.6035e+04	-1.8190e-12	8.4596e+04
22	455	-2.2737e-13	2.1233e+03	-1.7053e-13	-3.9642e+03	-9.0949e-12	1.3110e+05
	135	2.2737e-13	-1.6734e+03	1.7053e-13	3.9642e+03	-1.8190e-11	9.6639e+04
23	460	2.2737e-13	2.0960e+03	-4.2633e-13	3.0119e+03	5.4570e-12	1.2332e+05
	136	-2.2737e-13	-1.6513e+03	4.2633e-13	-3.0119e+03	1.8190e-11	9.8848e+04
229	460	5.6843e-13	2.3802e+00	2.6645e-15	-5.3232e+03	5.6843e-13	6.8400e+02
	25	-5.6843e-13	-2.3802e+00	-2.6645e-15	5.3232e+03	1.8190e-12	6.6214e+01
230	455	1.1369e-13	1.0480e+01	5.3291e-15	-3.2322e+02	-1.0232e-12	1.5235e+03
	460	-1.1369e-13	-1.0480e+01	-5.3291e-15	3.2322e+02	-1.4779e-12	1.6581e+03
231	446	1.7053e-13	7.1007e+00	-2.8866e-15	-1.5896e+02	-1.8190e-12	1.2608e+03
	455	-1.7053e-13	-7.1007e+00	2.8866e-15	1.5896e+02	3.4106e-13	1.2542e+03
232	437	-5.6843e-14	1.2261e+01	-6.6613e-16	-1.4348e+03	-1.7621e-12	1.9989e+03
	446	5.6843e-14	-1.2261e+01	6.6613e-16	1.4348e+03	1.2221e-12	1.7235e+03
233	428	-1.1369e-13	-1.7802e+00	-1.5099e-14	4.5152e+02	4.5475e-13	-3.1389e+02
	430	1.1369e-13	1.7802e+00	1.5099e-14	-4.5152e+02	2.2737e-13	-2.6321e+02
234	427	-3.4106e-13	-4.7692e+00	-7.1054e-15	-2.4506e+03	-1.2506e-12	-3.5544e+02
	428	3.4106e-13	4.7692e+00	7.1054e-15	2.4506e+03	-1.9327e-12	-1.0924e+03
235	490	-3.4106e-13	-2.7154e+01	1.3323e-14	-1.5319e+02	-5.6843e-13	-4.0292e+03
	427	3.4106e-13	2.7154e+01	-1.3323e-14	1.5319e+02	2.2737e-13	-4.2009e+03
236	410	-1.1369e-13	-1.7146e+01	-6.2172e-15	-1.5222e+03	7.9581e-13	-1.6900e+03
	471	1.1369e-13	1.7146e+01	6.2172e-15	1.5222e+03	-1.5916e-12	-3.7143e+03
237	408	2.2737e-13	1.9352e-01	-1.1546e-14	3.8327e+02	-1.2506e-12	1.2787e+01
	410	-2.2737e-13	-1.9352e-01	1.1546e-14	-3.8327e+02	-1.5916e-12	4.5964e+01
238	405	-5.6843e-14	4.8800e+00	-2.2204e-16	-1.0830e+03	0.0000e+00	1.2541e+03
	408	5.6843e-14	-4.8800e+00	2.2204e-16	1.0830e+03	-1.5348e-12	4.7429e+02
239	404	-5.6843e-14	1.4216e+00	-1.0103e-14	-5.0154e+02	9.3792e-13	-5.5521e+02
	405	5.6843e-14	-1.4216e+00	1.0103e-14	5.0154e+02	2.9843e-13	9.8679e+02
240	403	3.4106e-13	-3.8599e+00	5.9952e-15	1.0225e+03	-1.6911e-12	-2.4148e+02
	404	-3.4106e-13	3.8599e+00	-5.9952e-15	-1.0225e+03	3.6948e-13	-1.1256e+03
241	402	0.0000e+00	-1.5944e+00	9.3259e-15	-1.9895e+03	1.4211e-12	-2.2261e+02
	403	0.0000e+00	1.5944e+00	-9.3259e-15	1.9895e+03	7.3896e-13	-2.6144e+02
242	401	-5.6843e-14	-1.7784e+00	1.4211e-14	2.1910e+03	1.3642e-12	9.8804e+01
	402	5.6843e-14	1.7784e+00	-1.4211e-14	-2.1910e+03	6.8212e-13	-6.3870e+02
243	470	0.0000e+00	9.4222e+00	-9.7700e-15	2.5077e+04	1.1369e-12	1.4596e+03
	401	0.0000e+00	-9.4222e+00	9.7700e-15	-2.5077e+04	4.5475e-13	1.4009e+03
244	158	-1.7053e-13	7.9861e+03	-3.5527e-15	-8.3603e+02	2.2737e-13	6.0656e+05

	405	1.7053e-13	8.1478e+03	3.5527e-15	8.3603e+02	2.0464e-12	-6.4932e+05
245	152	2.8422e-14	7.9392e+03	-8.8818e-16	-3.8549e+03	1.1369e-12	5.9626e+05
	403	-2.8422e-14	8.1994e+03	8.8818e-16	3.8549e+03	0.0000e+00	-6.6510e+05
246	160	6.2528e-13	7.8614e+03	3.5527e-15	2.1388e+02	-4.5475e-13	5.7978e+05
	410	-6.2528e-13	8.2648e+03	-3.5527e-15	-2.1388e+02	-1.3642e-12	-6.8639e+05
247	159	5.1159e-13	7.9155e+03	1.1546e-14	2.6393e+03	0.0000e+00	5.9121e+05
	408	-5.1159e-13	8.2208e+03	-1.1546e-14	-2.6393e+03	-9.0949e-13	-6.7193e+05
248	157	4.5297e-14	7.9884e+03	0.0000e+00	-6.2109e+02	-2.5011e-12	6.0716e+05
	404	-4.5297e-14	8.1373e+03	0.0000e+00	6.2109e+02	2.2737e-13	-6.4650e+05
249	150	-2.2737e-13	7.7571e+03	-8.8818e-16	-3.1557e+03	-1.5916e-12	5.2856e+05
	402	2.2737e-13	8.3767e+03	8.8818e-16	3.1557e+03	-6.8212e-13	-6.9238e+05
250	149	6.2528e-13	7.7821e+03	-1.7764e-15	-3.4916e+03	0.0000e+00	5.4114e+05
	401	-6.2528e-13	8.3450e+03	1.7764e-15	3.4916e+03	-4.5475e-13	-6.8990e+05
332	172	5.6843e-13	5.7712e+03	1.4211e-14	-1.6113e+03	7.7307e-12	3.6687e+05
	489	-5.6843e-13	4.2982e+03	-1.4211e-14	1.6113e+03	6.3665e-12	-1.3756e+05
333	139	2.2737e-13	4.4702e+03	-1.5987e-14	-4.4596e+03	-2.7285e-12	1.7094e+05
	172	-2.2737e-13	5.6523e+03	1.5987e-14	4.4596e+03	-2.7285e-12	-3.5593e+05
334	179	-1.3642e-12	9.6910e+01	1.4211e-14	-7.5170e+03	-6.3665e-12	1.9386e+04
	57	1.3642e-12	-9.6910e+01	-1.4211e-14	7.5170e+03	8.1855e-12	1.0788e+04
335	259	-2.2737e-13	-1.5621e+02	5.6843e-14	-1.1712e+04	9.0949e-13	-2.2034e+04
	179	2.2737e-13	1.5621e+02	-5.6843e-14	1.1712e+04	6.3665e-12	-2.6860e+04
336	2	-1.1369e-12	5.2863e+00	2.4869e-14	-3.3315e+03	-9.0949e-13	5.6091e+02
	3	1.1369e-12	-5.2863e+00	-2.4869e-14	3.3315e+03	1.3642e-12	6.2058e+02
337	54	4.5475e-13	-2.9891e+00	-3.1974e-14	3.7761e+03	-2.2737e-13	-2.4028e+02
	4	-4.5475e-13	2.9891e+00	3.1974e-14	-3.7761e+03	-1.8190e-12	-4.2778e+02
338	56	9.0949e-13	6.6014e+00	2.4869e-14	-8.6151e+03	2.2737e-13	1.1275e+03
	55	-9.0949e-13	-6.6014e+00	-2.4869e-14	8.6151e+03	2.7285e-12	3.4790e+02
339	59	6.8212e-13	2.4664e+03	3.1974e-14	1.6749e+03	9.0949e-13	9.1863e+04
	57	-6.8212e-13	2.4715e+03	-3.1974e-14	-1.6749e+03	-3.6380e-12	-9.2429e+04
340	71	1.9099e-11	-1.0956e+03	2.7285e-12	-4.7300e+03	7.6398e-11	-7.9358e+03
	68	-1.9099e-11	1.0956e+03	-2.7285e-12	4.7300e+03	1.8190e-10	-7.5584e+03
341	66	-2.0918e-11	-1.2336e+02	2.2737e-12	1.4577e+03	1.2733e-11	-9.1700e+02
	69	2.0918e-11	1.2336e+02	-2.2737e-12	-1.4577e+03	5.8208e-11	-8.2758e+02
342	72	-7.9581e-13	-1.5702e+00	-6.6613e-15	-2.0304e+03	5.1159e-13	-1.6622e+01
	73	7.9581e-13	1.5702e+00	6.6613e-15	2.0304e+03	1.1369e-12	-5.8321e+02
343	180	-4.0927e-12	1.1864e+02	5.0022e-12	5.1996e+03	-2.1828e-11	-3.6746e+03
	72	4.0927e-12	-1.1864e+02	-5.0022e-12	-5.1996e+03	-5.0932e-11	6.1912e+03
344	63	-1.0232e-12	1.1864e+02	6.2172e-14	1.0783e+03	-6.5938e-12	1.3537e+04
	180	1.0232e-12	-1.1864e+02	-6.2172e-14	-1.0783e+03	-1.8190e-12	6.2750e+03
345	62	-9.0949e-13	-2.7056e+00	-2.6534e-14	-3.9501e+02	2.1743e-12	-2.7359e+02
	63	9.0949e-13	2.7056e+00	2.6534e-14	3.9501e+02	-1.4211e-12	-4.5692e+02
346	65	5.9117e-12	-3.7338e+03	-1.8190e-12	1.2106e+04	-5.0932e-11	-3.1438e+04
	62	-5.9117e-12	3.7338e+03	1.8190e-12	-1.2106e+04	2.5466e-11	-4.7767e+04
347	64	3.2685e-13	-6.0912e-01	7.5495e-15	1.2413e+03	-1.1369e-13	-4.7712e+01
	65	-3.2685e-13	6.0912e-01	-7.5495e-15	-1.2413e+03	3.9790e-13	-1.8497e+02
348	249	-6.9633e-13	6.1739e+03	1.0658e-14	-7.1853e+03	-1.8190e-12	2.7922e+05
	248	6.9633e-13	6.2192e+03	-1.0658e-14	7.1853e+03	-9.0949e-13	-2.8635e+05
349	233	6.8212e-13	6.4730e+03	0.0000e+00	-1.9509e+03	3.4106e-12	3.4573e+05
	249	-6.8212e-13	6.0381e+03	0.0000e+00	1.9509e+03	-2.0464e-12	-2.7657e+05
350	262	-2.1316e-14	3.5031e+03	-2.1316e-14	4.2718e+01	2.2737e-13	2.1007e+05

	233	2.1316e-14	3.4083e+03	2.1316e-14	-4.2718e+01	-1.4779e-12	-1.9500e+05
351	263	-1.6129e-12	2.5216e+03	-2.2649e-14	6.6960e+03	-1.3074e-12	1.5328e+05
	262	1.6129e-12	2.7464e+03	2.2649e-14	-6.6960e+03	2.7285e-12	-1.8902e+05
352	264	2.8919e-12	6.5262e+03	-2.5757e-14	-5.0252e+03	8.5265e-13	3.4025e+05
	263	-2.8919e-12	6.2603e+03	2.5757e-14	5.0252e+03	-2.7285e-12	-2.9704e+05
353	265	-1.4353e-12	5.9314e+03	1.3323e-14	-2.6745e+03	-3.4106e-12	2.4955e+05
	264	1.4353e-12	6.5994e+03	-1.3323e-14	2.6745e+03	2.7285e-12	-3.5593e+05
354	258	1.3074e-12	4.6064e+03	-8.8818e-15	2.2742e+04	2.2737e-12	3.7923e+05
	265	-1.3074e-12	2.1963e+03	8.8818e-15	-2.2742e+04	-2.7285e-12	-2.0536e+03
355	243	-2.3750e-12	2.6654e+03	-1.4211e-14	-3.9008e+04	2.7285e-12	6.6981e+04
	258	2.3750e-12	4.0974e+03	1.4211e-14	3.9008e+04	-9.0949e-13	-2.8978e+05
356	260	-5.6843e-13	4.4144e+03	-1.7764e-14	1.9878e+04	3.6380e-12	2.3310e+05
	259	5.6843e-13	4.2700e+03	1.7764e-14	-1.9878e+04	6.3665e-12	-2.1011e+05
357	65	-4.5475e-13	2.2741e+03	-1.3500e-13	-2.9226e+02	-1.5461e-11	6.6053e+04
	260	4.5475e-13	2.3520e+03	1.3500e-13	2.9226e+02	-9.0949e-12	-7.2662e+04
358	257	-1.5916e-12	4.3387e+03	7.1054e-15	3.1418e+03	5.4570e-12	2.2487e+05
	3	1.5916e-12	4.3962e+03	-7.1054e-15	-3.1418e+03	-2.7285e-12	-2.3407e+05
359	261	-1.5916e-12	4.3522e+03	-1.4211e-14	-1.2387e+03	3.6380e-12	2.3203e+05
	257	1.5916e-12	4.3186e+03	1.4211e-14	1.2387e+03	-6.3665e-12	-2.2668e+05
360	72	-5.6843e-13	4.4558e+03	-5.6843e-14	-1.9296e+03	-9.0949e-13	2.4167e+05
	261	5.6843e-13	4.4152e+03	5.6843e-14	1.9296e+03	6.8212e-12	-2.3507e+05
369	241	3.4106e-13	4.5323e+03	-4.2633e-14	6.5277e+02	2.7285e-12	2.5523e+05
	4	-3.4106e-13	4.2025e+03	4.2633e-14	-6.5277e+02	2.7285e-12	-2.0241e+05
370	245	-7.9581e-13	4.4613e+03	7.1054e-15	1.5307e+03	-7.2760e-12	2.4793e+05
	241	7.9581e-13	4.2094e+03	-7.1054e-15	-1.5307e+03	-7.2760e-12	-2.0788e+05
371	240	-2.2737e-13	2.6068e+03	1.4211e-14	-1.2348e+03	9.0949e-13	1.4942e+05
	245	2.2737e-13	2.4425e+03	-1.4211e-14	1.2348e+03	-4.0927e-12	-1.2329e+05
372	246	9.0949e-13	2.5213e+03	-5.3291e-14	6.0202e+02	-1.8190e-12	1.3634e+05
	240	-9.0949e-13	2.5280e+03	5.3291e-14	-6.0202e+02	1.7053e-12	-1.3741e+05
373	242	-1.0232e-12	4.4366e+03	-5.0626e-14	-2.8409e+03	-2.8422e-12	2.4130e+05
	246	1.0232e-12	4.4250e+03	5.0626e-14	2.8409e+03	6.5938e-12	-2.3940e+05
374	214	3.4106e-13	3.7286e+03	-5.6843e-14	-4.3791e+04	6.3665e-12	1.5631e+05
	242	-3.4106e-13	4.9557e+03	5.6843e-14	4.3791e+04	5.0022e-12	-3.5173e+05
375	213	-4.5475e-13	3.4764e+03	0.0000e+00	-4.1776e+04	4.5475e-12	4.7821e+04
	214	4.5475e-13	5.0580e+03	0.0000e+00	4.1776e+04	3.6380e-12	-2.9535e+05
376	55	5.6843e-13	6.0495e+03	-1.4211e-14	9.1061e+04	5.4570e-12	5.1163e+05
	213	-5.6843e-13	2.4402e+03	1.4211e-14	-9.1061e+04	-7.2760e-12	5.0258e+04
385	179	-3.4106e-13	-7.4706e+01	2.6645e-15	-2.1706e+02	6.8212e-13	-1.7712e+04
	258	3.4106e-13	7.4706e+01	-2.6645e-15	2.1706e+02	-1.3642e-12	-2.1060e+04
386	253	4.5475e-13	1.7842e+02	-4.2633e-14	6.9175e+03	-3.6380e-12	2.1949e+04
	179	-4.5475e-13	-1.7842e+02	4.2633e-14	-6.9175e+03	-1.8190e-12	1.2575e+04
387	250	1.7053e-12	2.8315e+03	-4.2633e-14	-1.1902e+04	2.7285e-12	7.6038e+04
	72	-1.7053e-12	1.5696e+03	4.2633e-14	1.1902e+04	3.6380e-12	3.6673e+04
388	70	-4.0927e-12	1.4090e+03	-6.3949e-14	-7.2183e+02	2.0009e-11	4.5299e+04
	73	4.0927e-12	8.9268e+02	6.3949e-14	7.2183e+02	-2.8194e-11	-7.1230e+03
389	67	1.7053e-12	1.3067e+03	1.0836e-13	7.8620e+02	-5.0022e-12	3.5326e+04
	70	-1.7053e-12	1.3863e+03	-1.0836e-13	-7.8620e+02	-1.1482e-11	-4.2212e+04
390	64	-9.0949e-13	1.2095e+03	-2.4514e-13	-4.4839e+02	-6.1391e-12	3.2196e+04
	67	9.0949e-13	1.0922e+03	2.4514e-13	4.4839e+02	-2.5238e-11	-2.3518e+04
391	67	-2.4105e-12	9.0086e+02	5.3291e-14	-1.3412e+04	4.0927e-12	7.8791e+04

	263	2.4105e-12	-9.0086e+02	-5.3291e-14	1.3412e+04	2.1828e-11	7.2770e+04
392	73	-2.7285e-12	3.9019e+02	-2.7711e-13	3.5341e+03	-1.8190e-12	2.8728e+04
	262	2.7285e-12	-3.9019e+02	2.7711e-13	-3.5341e+03	-5.0022e-12	3.0643e+04
393	257	-1.4779e-12	2.3445e+01	-1.5987e-14	5.5837e+02	-1.9327e-12	5.2261e+03
	249	1.4779e-12	-2.3445e+01	1.5987e-14	-5.5837e+02	-6.8212e-13	6.9416e+03
394	256	-3.6380e-12	2.6690e+02	-4.2633e-14	-7.8932e+02	-7.2760e-12	2.7881e+04
	257	3.6380e-12	-2.6690e+02	4.2633e-14	7.8932e+02	3.6380e-12	2.3764e+04
395	261	-2.2737e-12	9.7384e+00	1.3323e-15	3.3264e+03	-7.9581e-13	1.7510e+03
	233	2.2737e-12	-9.7384e+00	-1.3323e-15	-3.3264e+03	4.5475e-13	3.3033e+03
396	252	2.9559e-12	2.7952e+02	-1.5632e-13	4.4909e+02	-2.1828e-11	2.6436e+04
	261	-2.9559e-12	-2.7952e+02	1.5632e-13	-4.4909e+02	-5.4570e-12	2.7652e+04
397	260	1.6485e-12	6.3466e+01	2.6645e-15	4.2108e+03	-4.5475e-12	1.6572e+04
	264	-1.6485e-12	-6.3466e+01	-2.6645e-15	-4.2108e+03	-4.0927e-12	1.6367e+04
398	254	-3.4106e-13	2.7383e+03	8.5265e-14	5.1109e+03	-1.0914e-11	9.7030e+04
	260	3.4106e-13	2.0773e+03	-8.5265e-14	-5.1109e+03	-1.4552e-11	-3.3076e+04
399	243	0.0000e+00	6.7422e+01	-1.7764e-15	1.1338e+04	5.1159e-13	4.5339e+04
	55	0.0000e+00	-6.7422e+01	1.7764e-15	-1.1338e+04	-8.3844e-13	-8.4592e+03
400	57	-1.5916e-12	6.3146e+03	4.2188e-15	6.4933e+03	2.2737e-13	5.5061e+05
	243	1.5916e-12	5.5567e+03	-4.2188e-15	-6.4933e+03	1.1369e-13	-3.6343e+05
401	248	-9.0949e-13	2.5434e+02	-2.3315e-15	5.7327e+03	1.1369e-12	5.4697e+04
	4	9.0949e-13	-2.5434e+02	2.3315e-15	-5.7327e+03	1.3358e-12	8.1891e+04
402	3	-1.1369e-12	7.2633e+01	-1.1102e-15	-4.5840e+03	-1.1937e-12	3.3001e+04
	248	1.1369e-12	-7.2633e+01	1.1102e-15	4.5840e+03	-1.3074e-12	3.6078e+03
403	241	-1.8190e-12	-8.8743e+01	-1.2790e-13	4.3647e+03	-1.8190e-11	-1.4313e+04
	236	1.8190e-12	8.8743e+01	1.2790e-13	-4.3647e+03	-9.0949e-12	-2.8584e+03
404	249	-2.2737e-13	5.8753e+00	6.6613e-15	1.1217e+03	-3.4106e-13	1.1267e+03
	241	2.2737e-13	-5.8753e+00	-6.6613e-15	-1.1217e+03	5.6843e-14	2.1165e+03
405	245	-2.5011e-12	5.4930e+01	-1.2790e-13	-2.0710e+03	1.2733e-11	-2.3649e+03
	244	2.5011e-12	-5.4930e+01	1.2790e-13	2.0710e+03	-9.0949e-12	1.2994e+04
406	233	9.0949e-13	-1.9182e+01	-3.5527e-15	-5.6243e+02	9.0949e-13	-4.5226e+03
	245	-9.0949e-13	1.9182e+01	3.5527e-15	5.6243e+02	1.0232e-12	-6.0660e+03
407	240	-1.2506e-12	1.7584e+02	-7.1054e-14	1.5539e+03	1.2733e-11	1.1453e+04
	238	1.2506e-12	-1.7584e+02	7.1054e-14	-1.5539e+03	1.0914e-11	2.2572e+04
408	262	-3.9790e-13	-1.3460e+02	1.9984e-15	4.2801e+02	3.4106e-13	-3.6457e+04
	240	3.9790e-13	1.3460e+02	-1.9984e-15	-4.2801e+02	4.9738e-13	-3.7842e+04
409	246	-2.7782e-12	5.4703e+01	-2.8422e-14	3.7983e+03	-3.6380e-12	-2.2500e+03
	239	2.7782e-12	-5.4703e+01	2.8422e-14	-3.7983e+03	1.4552e-11	1.2835e+04
410	263	1.3811e-12	-7.3217e+01	4.4409e-16	3.1263e+03	5.0022e-12	-2.1808e+04
	246	-1.3811e-12	7.3217e+01	-4.4409e-16	-3.1263e+03	4.7748e-12	-1.8608e+04
411	242	1.1369e-13	6.2235e+01	5.6843e-14	5.1031e+03	-1.8190e-12	-3.7284e+03
	247	-1.1369e-13	-6.2235e+01	-5.6843e-14	-5.1031e+03	9.0949e-12	1.5788e+04
412	264	1.0800e-12	-3.6550e+01	-1.4655e-14	-2.9879e+03	-6.3665e-12	-1.1544e+04
	242	-1.0800e-12	3.6550e+01	1.4655e-14	2.9879e+03	-6.8212e-13	-8.6312e+03
413	213	-1.8190e-12	-4.9933e+03	-2.8422e-14	-6.8824e+04	1.0914e-11	-4.3924e+05
	235	1.8190e-12	4.9933e+03	2.8422e-14	6.8824e+04	1.8190e-11	-5.2696e+05
414	258	1.5916e-12	9.2332e+02	1.3767e-14	2.4809e+04	4.5475e-12	2.0559e+05
	213	-1.5916e-12	-9.2332e+02	-1.3767e-14	-2.4809e+04	6.8212e-13	3.0409e+05
415	214	1.1369e-12	-6.5620e+03	6.3949e-14	9.5875e+04	1.8190e-12	-7.1731e+05
	234	-1.1369e-12	6.5620e+03	-6.3949e-14	-9.5875e+04	7.2760e-12	-5.5243e+05
416	265	7.9581e-13	2.2247e+03	1.9984e-15	-4.3167e+04	2.8422e-13	5.1273e+05

	214	-7.9581e-13	-2.2247e+03	-1.9984e-15	4.3167e+04	7.2475e-13	7.1530e+05
417	259	1.3642e-12	5.9406e+03	3.3307e-15	-5.5115e+02	-1.1084e-12	4.1175e+05
	265	-1.3642e-12	6.5315e+03	-3.3307e-15	5.5115e+02	-3.9790e-13	-5.6508e+05
418	255	-2.2737e-12	2.0378e+03	7.1054e-15	1.5420e+03	-3.6380e-12	1.1537e+05
	259	2.2737e-12	2.6190e+03	-7.1054e-15	-1.5420e+03	-2.7285e-12	-1.7169e+05
419	177	-9.0949e-13	1.3107e+02	-1.7053e-13	-1.0687e+04	0.0000e+00	2.4115e+04
	81	9.0949e-13	-1.3107e+02	1.7053e-13	1.0687e+04	7.2760e-12	1.6694e+04
420	301	-2.7285e-12	-2.2866e+02	-5.6843e-14	-1.0990e+04	-1.0914e-11	-3.5602e+04
	177	2.7285e-12	2.2866e+02	5.6843e-14	1.0990e+04	-1.0914e-11	-3.5970e+04
421	165	-1.8190e-12	-9.6146e-01	4.2633e-14	-3.2306e+03	1.8190e-12	3.9079e+02
	164	1.8190e-12	9.6146e-01	-4.2633e-14	3.2306e+03	0.0000e+00	-6.0567e+02
422	125	-2.7285e-12	2.0583e+00	0.0000e+00	3.8691e+03	-7.2760e-12	6.2726e+02
	124	2.7285e-12	-2.0583e+00	0.0000e+00	-3.8691e+03	-3.6380e-12	-1.6722e+02
423	75	9.0949e-13	-1.0059e+00	5.6843e-14	-8.7190e+03	-2.7285e-12	7.0902e+02
	74	-9.0949e-13	1.0059e+00	-5.6843e-14	8.7190e+03	-1.8190e-12	-9.3385e+02
424	80	1.8190e-12	2.4710e+03	7.1054e-14	1.8645e+03	-1.8190e-12	9.3558e+04
	81	-1.8190e-12	2.4669e+03	-7.1054e-14	-1.8645e+03	1.8190e-12	-9.3096e+04
425	112	3.6380e-11	-1.8918e+02	-3.0923e-11	2.8366e+02	1.4552e-11	-2.4224e+03
	105	-3.6380e-11	1.8918e+02	3.0923e-11	-2.8366e+02	1.0186e-10	-2.5299e+02
426	99	2.5466e-11	-1.4347e+03	-9.0949e-12	3.7726e+03	-7.2760e-12	-8.7314e+03
	106	-2.5466e-11	1.4347e+03	9.0949e-12	-3.7726e+03	-1.4552e-11	-1.1558e+04
427	117	-7.9581e-13	-6.3182e-01	-3.5527e-15	-2.4183e+03	9.0949e-13	2.6696e+02
	118	7.9581e-13	6.3182e-01	3.5527e-15	2.4183e+03	9.0949e-13	-5.0831e+02
428	178	1.2733e-11	9.8078e+01	-5.4570e-12	2.8729e+03	-2.0373e-10	-1.6417e+03
	117	-1.2733e-11	-9.8078e+01	5.4570e-12	-2.8729e+03	-2.0373e-10	3.7222e+03
429	93	-1.3642e-12	9.8078e+01	-4.2633e-14	8.7061e+02	-1.0914e-11	1.3187e+04
	178	1.3642e-12	-9.8078e+01	4.2633e-14	-8.7061e+02	-1.0004e-11	3.1923e+03
430	94	9.0949e-13	-8.7294e-02	2.1760e-14	-8.3158e+01	-1.1369e-12	2.5106e+02
	93	-9.0949e-13	8.7294e-02	-2.1760e-14	8.3158e+01	2.2169e-12	-2.7463e+02
431	86	-5.4570e-12	-2.0954e+03	-7.2760e-12	1.2743e+04	-1.4552e-11	-1.4249e+04
	94	5.4570e-12	2.0954e+03	7.2760e-12	-1.2743e+04	7.2760e-11	-3.0201e+04
432	87	-5.1159e-13	4.4778e-01	-8.8818e-15	1.6023e+03	0.0000e+00	2.1658e+02
	86	5.1159e-13	-4.4778e-01	8.8818e-15	-1.6023e+03	2.7285e-12	-4.5532e+01
433	298	1.1653e-12	5.9157e+03	2.8422e-14	-6.1869e+03	1.8190e-12	2.3236e+05
	309	-1.1653e-12	6.4773e+03	-2.8422e-14	6.1869e+03	-5.4570e-12	-3.2081e+05
434	325	9.3792e-13	6.5601e+03	-1.4211e-14	1.0150e+02	-3.6380e-12	3.5619e+05
	298	-9.3792e-13	5.9510e+03	1.4211e-14	-1.0150e+02	-8.1855e-12	-2.5935e+05
435	304	2.5580e-13	3.6068e+03	0.0000e+00	3.2320e+03	2.7285e-12	2.2528e+05
	325	-2.5580e-13	3.3046e+03	0.0000e+00	-3.2320e+03	-2.7285e-12	-1.7723e+05
436	299	1.0800e-12	2.3875e+03	0.0000e+00	8.7824e+03	0.0000e+00	1.3782e+05
	304	-1.0800e-12	2.8804e+03	0.0000e+00	-8.7824e+03	-2.6148e-12	-2.1619e+05
437	332	7.9581e-13	6.4148e+03	-2.1316e-14	-1.0773e+04	2.9559e-12	3.2341e+05
	299	-7.9581e-13	6.3716e+03	2.1316e-14	1.0773e+04	-1.5916e-12	-3.1639e+05
438	333	1.4211e-13	5.7491e+03	-2.4869e-14	-7.6407e+03	0.0000e+00	2.1456e+05
	332	-1.4211e-13	6.7816e+03	2.4869e-14	7.6407e+03	1.8190e-12	-3.7899e+05
439	306	-9.6634e-13	5.0045e+03	-2.8422e-14	2.2241e+04	2.7285e-12	4.3660e+05
	333	9.6634e-13	1.7983e+03	2.8422e-14	-2.2241e+04	3.6380e-12	6.5171e+04
440	316	-5.7554e-13	2.6201e+03	2.8422e-14	-3.1213e+04	7.2760e-12	5.8492e+04
	306	5.7554e-13	4.1427e+03	-2.8422e-14	3.1213e+04	5.4570e-12	-2.9538e+05
441	305	-1.3642e-12	4.4483e+03	1.4211e-14	2.2480e+04	9.0949e-12	2.3805e+05

	301	1.3642e-12	4.2361e+03	-1.4211e-14	-2.2480e+04	-9.0949e-12	-2.0424e+05
442	86	-5.4570e-12	2.8888e+03	5.6843e-14	1.6839e+03	-1.8190e-11	1.1993e+05
	305	5.4570e-12	1.7374e+03	-5.6843e-14	-1.6839e+03	1.4552e-11	-2.2257e+04
443	311	9.0949e-13	4.2653e+03	2.8422e-14	3.2125e+03	0.0000e+00	2.1151e+05
	164	-9.0949e-13	4.4695e+03	-2.8422e-14	-3.2125e+03	1.0914e-11	-2.4422e+05
444	312	4.0927e-12	4.3469e+03	-1.5632e-13	-1.3754e+03	3.6380e-12	2.3114e+05
	311	-4.0927e-12	4.3238e+03	1.5632e-13	1.3754e+03	-1.0914e-11	-2.2747e+05
445	117	9.0949e-13	4.5177e+03	-1.4211e-14	-2.5672e+03	1.2733e-11	2.5036e+05
	312	-9.0949e-13	4.3534e+03	1.4211e-14	2.5672e+03	7.2760e-12	-2.2363e+05
454	318	9.0949e-13	4.4570e+03	-1.1369e-13	-1.9932e+03	1.0914e-11	2.4182e+05
	124	-9.0949e-13	4.2778e+03	1.1369e-13	1.9932e+03	-3.6380e-12	-2.1311e+05
455	322	4.5475e-13	4.4667e+03	2.8422e-14	6.7299e+02	-1.0914e-11	2.4866e+05
	318	-4.5475e-13	4.2041e+03	-2.8422e-14	-6.7299e+02	1.4552e-11	-2.0690e+05
456	327	2.2737e-12	2.6066e+03	5.6843e-14	-5.3674e+02	9.0949e-12	1.4942e+05
	322	-2.2737e-12	2.4428e+03	-5.6843e-14	5.3674e+02	7.2760e-12	-1.2338e+05
457	315	-1.8190e-12	2.4909e+03	5.6843e-14	-1.4530e+02	6.3665e-12	1.3115e+05
	327	1.8190e-12	2.5585e+03	-5.6843e-14	1.4530e+02	3.6380e-12	-1.4189e+05
458	328	9.0949e-13	4.3759e+03	1.4211e-14	-2.0988e+03	6.3665e-12	2.3067e+05
	315	-9.0949e-13	4.4857e+03	-1.4211e-14	2.0988e+03	-1.8190e-12	-2.4851e+05
459	287	-4.5475e-13	3.7581e+03	-2.8422e-14	-3.9322e+04	-5.4570e-12	1.6093e+05
	328	4.5475e-13	4.9263e+03	2.8422e-14	3.9322e+04	-9.0949e-12	-3.4697e+05
460	270	-4.5475e-13	3.4945e+03	-1.4211e-14	-4.1198e+04	-7.2760e-12	5.1957e+04
	287	4.5475e-13	5.0399e+03	1.4211e-14	4.1198e+04	-3.6380e-12	-2.9382e+05
461	74	-4.5475e-13	5.9998e+03	-1.4211e-13	8.9436e+04	-3.6380e-12	5.0343e+05
	270	4.5475e-13	2.4899e+03	1.4211e-13	-8.9436e+04	-1.0914e-11	4.3000e+04
470	177	4.5475e-13	-7.2041e+01	3.5527e-15	-7.1191e+02	5.6843e-12	-1.9816e+04
	306	-4.5475e-13	7.2041e+01	-3.5527e-15	7.1191e+02	1.3642e-12	-1.7573e+04
471	313	-1.8190e-12	2.8769e+02	-1.1369e-13	1.0657e+04	7.2760e-12	3.7329e+04
	177	1.8190e-12	-2.8769e+02	1.1369e-13	-1.0657e+04	-1.4552e-11	1.8338e+04
472	303	-4.5475e-13	2.2820e+03	1.1369e-13	-8.9631e+03	3.6380e-12	4.2639e+04
	117	4.5475e-13	2.1191e+03	-1.1369e-13	8.9631e+03	2.1828e-11	-2.8085e+04
473	111	-1.8190e-12	1.3933e+03	4.2633e-13	9.2857e+01	0.0000e+00	4.5762e+04
	118	1.8190e-12	9.0843e+02	-4.2633e-13	-9.2857e+01	-2.0009e-11	-9.9142e+03
474	100	-4.3201e-12	1.2742e+03	-2.7001e-13	1.0557e+03	-1.9099e-11	3.2294e+04
	111	4.3201e-12	1.4187e+03	2.7001e-13	-1.0557e+03	1.3870e-11	-4.4788e+04
475	87	2.2737e-12	1.2280e+03	3.8369e-13	-6.8420e+02	6.3665e-12	3.3119e+04
	100	-2.2737e-12	1.0737e+03	-3.8369e-13	6.8420e+02	2.0918e-11	-2.1711e+04
476	100	-1.9966e-12	1.5153e+03	-5.6843e-14	-1.5647e+04	-5.4570e-12	1.3548e+05
	299	1.9966e-12	-1.5153e+03	5.6843e-14	1.5647e+04	1.0914e-11	1.1946e+05
477	118	-2.2737e-12	1.0816e+03	8.5265e-14	1.9732e+03	1.0914e-11	8.5828e+04
	304	2.2737e-12	-1.0816e+03	-8.5265e-14	-1.9732e+03	-7.2760e-12	7.8746e+04
478	311	-1.3642e-12	3.4453e+01	5.3291e-15	1.4855e+02	4.5475e-13	8.0412e+03
	298	1.3642e-12	-3.4453e+01	-5.3291e-15	-1.4855e+02	-2.7285e-12	9.8397e+03
479	307	-5.4570e-12	3.5203e+02	1.1369e-13	-2.0436e+01	3.6380e-11	3.5020e+04
	311	5.4570e-12	-3.5203e+02	-1.1369e-13	2.0436e+01	0.0000e+00	3.3098e+04
480	312	-2.2737e-13	1.0722e+01	-5.3291e-15	3.4434e+03	4.3201e-12	2.5489e+03
	325	2.2737e-13	-1.0722e+01	5.3291e-15	-3.4434e+03	4.0927e-12	3.0157e+03
481	300	0.0000e+00	3.6109e+02	-2.2737e-13	5.6749e+02	1.4552e-11	3.3253e+04
	312	0.0000e+00	-3.6109e+02	2.2737e-13	-5.6749e+02	2.1828e-11	3.6618e+04
482	305	-6.8212e-13	7.3961e+01	-2.1316e-14	4.5225e+03	9.5497e-12	1.9249e+04

	332	6.8212e-13	-7.3961e+01	2.1316e-14	-4.5225e+03	2.7285e-12	1.9137e+04
483	302	7.2760e-12	2.8085e+03	-2.2737e-13	2.7342e+03	2.1828e-11	1.0357e+05
	305	-7.2760e-12	2.0071e+03	2.2737e-13	-2.7342e+03	8.7311e-11	-2.6036e+04
484	316	1.8190e-12	-8.9262e+01	3.1086e-15	1.0589e+04	-4.5475e-13	-3.5080e+03
	74	-1.8190e-12	8.9262e+01	-3.1086e-15	-1.0589e+04	-1.1369e-13	-4.5318e+04
485	81	-9.0949e-13	6.2845e+03	1.7764e-15	5.1415e+03	6.8212e-13	5.4592e+05
	316	9.0949e-13	5.5868e+03	-1.7764e-15	-5.1415e+03	-6.8212e-13	-3.7360e+05
486	309	-9.0949e-13	1.9162e+02	8.8818e-16	6.1590e+03	-6.8212e-13	3.7044e+04
	124	9.0949e-13	-1.9162e+02	-8.8818e-16	-6.1590e+03	-1.0800e-12	6.5859e+04
487	164	-9.0949e-13	1.9305e+02	-7.1054e-15	-4.3571e+03	0.0000e+00	6.2055e+04
	309	9.0949e-13	-1.9305e+02	7.1054e-15	4.3571e+03	1.3642e-12	3.5247e+04
488	318	3.6380e-12	-2.8002e+02	-3.9790e-13	3.0964e+03	-4.3656e-11	-2.4656e+04
	317	-3.6380e-12	2.8002e+02	3.9790e-13	-3.0964e+03	-3.2742e-11	-2.9528e+04
489	298	4.5475e-13	7.5051e+00	5.3291e-15	1.6211e+03	4.5475e-12	5.5005e+00
	318	-4.5475e-13	-7.5051e+00	-5.3291e-15	-1.6211e+03	-2.5011e-12	4.1373e+03
490	322	-2.7285e-12	-1.2487e+02	5.6843e-14	-1.8271e+03	2.1828e-11	-8.9789e+03
	324	2.7285e-12	1.2487e+02	-5.6843e-14	1.8271e+03	2.1828e-11	-1.5183e+04
491	325	9.0949e-13	-1.9616e+01	1.0658e-14	-4.8314e+02	1.8190e-12	-7.5245e+03
	322	-9.0949e-13	1.9616e+01	-1.0658e-14	4.8314e+02	5.9117e-12	-3.3035e+03
492	327	0.0000e+00	-2.6885e+01	1.7053e-13	8.2957e+02	2.1828e-11	2.1503e+03
	331	0.0000e+00	2.6885e+01	-1.7053e-13	-8.2957e+02	7.2760e-12	-7.3526e+03
493	304	9.0949e-13	-1.7676e+02	2.6645e-15	1.5847e+02	-7.9581e-13	-6.4133e+04
	327	-9.0949e-13	1.7676e+02	-2.6645e-15	-1.5847e+02	-3.9790e-13	-3.3441e+04
494	315	-5.4001e-13	-1.4778e+02	1.1369e-13	3.5095e+03	7.2760e-12	-1.0324e+04
	319	5.4001e-13	1.4778e+02	-1.1369e-13	-3.5095e+03	3.6380e-12	-1.8271e+04
495	299	1.5667e-12	-8.8526e+01	-1.9540e-14	4.4946e+03	-4.5475e-12	-3.0554e+04
	315	-1.5667e-12	8.8526e+01	1.9540e-14	-4.4946e+03	-2.7285e-12	-1.8313e+04
496	328	1.3642e-12	-3.0788e+02	-1.1369e-13	2.6370e+03	2.9104e-11	-2.8090e+04
	310	-1.3642e-12	3.0788e+02	1.1369e-13	-2.6370e+03	2.9104e-11	-3.1573e+04
497	332	4.5475e-13	-4.1400e+01	-1.7764e-14	-4.5268e+02	-9.0949e-13	-1.5234e+04
	328	-4.5475e-13	4.1400e+01	1.7764e-14	4.5268e+02	4.0927e-12	-7.6193e+03
498	270	-1.8190e-12	-5.0941e+03	-1.1369e-13	-6.6854e+04	1.4552e-11	-4.2577e+05
	323	1.8190e-12	5.0941e+03	1.1369e-13	6.6854e+04	4.3656e-11	-5.5994e+05
499	306	1.3642e-12	8.9029e+02	2.6645e-14	2.3744e+04	0.0000e+00	1.9827e+05
	270	-1.3642e-12	-8.9029e+02	-2.6645e-14	-2.3744e+04	-4.5475e-13	2.9317e+05
500	287	-4.5475e-12	-6.7662e+03	-5.6843e-14	9.1379e+04	-5.4570e-12	-6.5393e+05
	329	4.5475e-12	6.7662e+03	5.6843e-14	-9.1379e+04	3.6380e-12	-6.5532e+05
501	333	4.5475e-13	2.0318e+03	2.2204e-15	-4.1504e+04	7.9581e-13	4.6576e+05
	287	-4.5475e-13	-2.0318e+03	-2.2204e-15	4.1504e+04	1.4779e-12	6.5581e+05
502	301	-1.3642e-12	5.9733e+03	-8.8818e-16	6.4950e+02	5.6843e-13	4.0643e+05
	333	1.3642e-12	6.4988e+03	8.8818e-16	-6.4950e+02	4.5475e-13	-5.4278e+05
503	308	6.3665e-12	2.7959e+03	1.1369e-13	4.2085e+02	-3.6380e-12	1.8112e+05
	301	-6.3665e-12	1.8609e+03	-1.1369e-13	-4.2085e+02	-7.2760e-12	-9.0521e+04
504	173	9.0949e-13	1.2183e+02	-1.7053e-13	-1.2677e+04	0.0000e+00	2.5141e+04
	83	-9.0949e-13	-1.2183e+02	1.7053e-13	1.2677e+04	7.2760e-12	1.2793e+04
505	350	-2.7285e-12	-2.7609e+02	-1.1369e-13	-1.1646e+04	7.2760e-12	-4.5234e+04
	173	2.7285e-12	2.7609e+02	1.1369e-13	1.1646e+04	-7.2760e-12	-4.1183e+04
506	174	7.2760e-12	1.2389e+02	2.2737e-13	-1.1219e+04	2.9104e-11	2.4552e+04
	85	-7.2760e-12	-1.2389e+02	-2.2737e-13	1.1219e+04	2.9104e-11	1.4023e+04
507	453	5.4570e-12	-2.2261e+02	5.6843e-14	-1.5119e+04	1.4552e-11	-3.1930e+04

	174	-5.4570e-12	2.2261e+02	-5.6843e-14	1.5119e+04	7.2760e-12	-3.7747e+04
508	122	-9.0949e-12	4.1509e+03	-8.5265e-14	-2.9037e+03	-7.2760e-12	2.2911e+05
	461	9.0949e-12	3.9601e+03	8.5265e-14	2.9037e+03	1.0914e-11	-1.9808e+05
509	475	-1.1369e-13	4.1098e+03	-1.3323e-15	5.5148e+03	-1.1369e-13	3.3336e+05
	471	1.1369e-13	4.1093e+03	1.3323e-15	-5.5148e+03	-2.2737e-13	-3.3324e+05
510	484	-6.5370e-13	-8.6410e+01	-1.8474e-13	-1.2420e+03	-1.0914e-11	-1.8398e+03
	482	6.5370e-13	8.6410e+01	1.8474e-13	1.2420e+03	-4.5475e-12	-8.4815e+03
511	486	-2.8422e-13	-6.6160e-01	8.3267e-17	4.1007e+02	1.8119e-13	-8.3345e+02
	484	2.8422e-13	6.6160e-01	-8.3267e-17	-4.1007e+02	1.1013e-13	4.6163e+02
512	161	1.7053e-13	5.5343e+01	5.6843e-14	-1.3489e+04	-2.7285e-12	2.1978e+04
	486	-1.7053e-13	-5.5343e+01	-5.6843e-14	1.3489e+04	4.5475e-12	-1.5420e+04
513	483	-8.5265e-13	4.0132e+03	2.2204e-15	-2.3733e+03	0.0000e+00	3.4305e+05
	470	8.5265e-13	4.0133e+03	-2.2204e-15	2.3733e+03	-5.1159e-13	-3.4307e+05
514	490	2.7285e-12	6.8028e+02	1.4211e-13	1.4688e+04	9.0949e-12	4.0417e+04
	488	-2.7285e-12	-6.8028e+02	-1.4211e-13	-1.4688e+04	9.0949e-12	2.9991e+04
515	479	-4.5475e-13	-1.3077e+01	1.0658e-14	-6.6831e+03	2.5011e-12	-4.1834e+03
	478	4.5475e-13	1.3077e+01	-1.0658e-14	6.6831e+03	2.2737e-13	1.2606e+03
516	475	1.5916e-12	2.2531e+01	-3.5527e-15	5.4500e+03	-2.0464e-12	1.1436e+03
	474	-1.5916e-12	-2.2531e+01	3.5527e-15	-5.4500e+03	5.6843e-13	3.8920e+03
517	483	-1.7053e-12	-7.5790e+00	-1.0658e-14	-3.9742e+03	7.9581e-13	-2.3622e+03
	482	1.7053e-12	7.5790e+00	1.0658e-14	3.9742e+03	-1.8190e-12	6.6832e+02
518	488	-1.7053e-12	1.9317e+01	0.0000e+00	6.5401e+03	-4.5475e-13	-5.1625e+03
	489	1.7053e-12	-1.9317e+01	0.0000e+00	-6.5401e+03	0.0000e+00	9.4798e+03
519	497	5.9117e-12	-1.7631e+03	4.5475e-13	-1.2980e+04	6.1846e-11	-1.3670e+04
	498	-5.9117e-12	1.7631e+03	-4.5475e-13	1.2980e+04	-1.0732e-10	-1.1263e+04
520	495	-1.0914e-11	4.2019e+02	-4.0927e-12	3.1363e+03	-1.0914e-11	3.8293e+03
	499	1.0914e-11	-4.2019e+02	4.0927e-12	-3.1363e+03	2.7285e-11	2.1131e+03
521	503	-6.9633e-13	-7.5085e-01	5.7732e-15	-6.7961e+03	2.8422e-13	-4.1024e+03
	504	6.9633e-13	7.5085e-01	-5.7732e-15	6.7961e+03	-2.2737e-13	3.8156e+03
522	502	-6.3665e-12	1.0778e+04	3.1832e-12	-7.1882e+04	4.7294e-11	8.1429e+04
	503	6.3665e-12	-1.0778e+04	-3.1832e-12	7.1882e+04	4.3656e-11	1.4720e+05
523	501	4.5475e-13	-1.4426e+02	1.0658e-14	1.9702e+03	4.2064e-12	2.2568e+03
	502	-4.5475e-13	1.4426e+02	-1.0658e-14	-1.9702e+03	5.2864e-12	-2.6349e+04
524	500	2.2737e-13	-4.1274e+00	1.0575e-14	7.3373e+02	-1.1724e-12	-2.8087e+03
	501	-2.2737e-13	4.1274e+00	-1.0575e-14	-7.3373e+02	1.2932e-12	1.6943e+03
525	492	-1.1823e-11	-6.4697e+03	3.4106e-12	2.7668e+04	-2.3647e-11	-9.4336e+04
	500	1.1823e-11	6.4697e+03	-3.4106e-12	-2.7668e+04	-1.4552e-11	-4.2908e+04
526	493	1.4211e-14	1.5448e+00	3.1086e-15	1.4661e+02	7.3896e-13	-2.2117e+03
	492	-1.4211e-14	-1.5448e+00	-3.1086e-15	-1.4661e+02	3.9790e-13	2.8018e+03
527	489	3.4106e-13	-2.5584e+01	4.4409e-16	2.7207e+03	3.9790e-13	-2.3358e+02
	161	-3.4106e-13	2.5584e+01	-4.4409e-16	-2.7207e+03	-1.1369e-13	-1.2405e+04
528	167	-3.6380e-12	2.2982e+00	0.0000e+00	-3.4983e+03	-1.8190e-12	1.0235e+03
	166	3.6380e-12	-2.2982e+00	0.0000e+00	3.4983e+03	-3.6380e-12	-5.0981e+02
529	129	1.8190e-12	6.5278e-01	5.6843e-14	4.1702e+03	-1.8190e-12	5.8842e+02
	128	-1.8190e-12	-6.5278e-01	-5.6843e-14	-4.1702e+03	-5.4570e-12	-4.4253e+02
530	77	1.8190e-12	3.9487e+00	-2.8422e-14	-9.1033e+03	0.0000e+00	1.4513e+03
	76	-1.8190e-12	-3.9487e+00	2.8422e-14	9.1033e+03	-3.6380e-12	-5.6878e+02
531	82	5.4570e-12	2.4731e+03	1.1369e-13	1.8025e+03	-1.2733e-11	9.4272e+04
	83	-5.4570e-12	2.4648e+03	-1.1369e-13	-1.8025e+03	-1.4552e-11	-9.3350e+04
532	114	1.4552e-11	-1.8947e+02	1.0914e-11	1.2367e+03	5.8208e-11	-2.3912e+03

	107	-1.4552e-11	1.8947e+02	-1.0914e-11	-1.2367e+03	-2.0373e-10	-2.8829e+02
533	101	3.6380e-11	-1.1578e+03	-3.6380e-12	4.3769e+02	-2.9104e-11	-8.1042e+03
	108	-3.6380e-11	1.1578e+03	3.6380e-12	-4.3769e+02	-2.9104e-11	-8.2700e+03
534	119	-1.1369e-12	-1.4068e+00	0.0000e+00	-2.0805e+03	-4.5475e-13	2.0144e+02
	121	1.1369e-12	1.4068e+00	0.0000e+00	2.0805e+03	0.0000e+00	-7.3884e+02
535	176	1.4552e-11	1.5337e+02	1.4552e-11	6.7810e+03	-8.7311e-11	-5.2218e+03
	119	-1.4552e-11	-1.5337e+02	-1.4552e-11	-6.7810e+03	-1.7462e-10	8.4752e+03
536	95	4.5475e-12	1.5337e+02	-1.7053e-13	1.1026e+03	1.8190e-12	1.7125e+04
	176	-4.5475e-12	-1.5337e+02	1.7053e-13	-1.1026e+03	2.7285e-12	8.4873e+03
537	96	9.0949e-13	-1.0783e+00	-5.2403e-14	-3.1362e+01	4.6612e-12	1.5243e+02
	95	-9.0949e-13	1.0783e+00	5.2403e-14	3.1362e+01	-3.4106e-12	-4.4358e+02
538	88	2.5466e-11	-1.9262e+03	-1.0914e-11	1.4225e+04	-2.9104e-11	-9.5146e+03
	96	-2.5466e-11	1.9262e+03	1.0914e-11	-1.4225e+04	8.7311e-11	-3.1346e+04
539	89	-2.2737e-13	6.7325e-03	0.0000e+00	1.9182e+03	-1.8190e-12	1.4840e+02
	88	2.2737e-13	-6.7325e-03	0.0000e+00	-1.9182e+03	0.0000e+00	-1.4583e+02
540	170	0.0000e+00	2.3416e+00	-2.8422e-14	-6.9012e+03	3.6380e-12	1.2825e+03
	169	0.0000e+00	-2.3416e+00	2.8422e-14	6.9012e+03	0.0000e+00	-7.5921e+02
541	163	0.0000e+00	2.7190e+00	-8.5265e-14	7.5299e+03	0.0000e+00	9.3356e+02
	162	0.0000e+00	-2.7190e+00	8.5265e-14	-7.5299e+03	0.0000e+00	-3.2586e+02
542	79	0.0000e+00	1.1422e+00	0.0000e+00	-1.6879e+04	1.0914e-11	1.3243e+03
	78	0.0000e+00	-1.1422e+00	0.0000e+00	1.6879e+04	7.2760e-12	-1.0690e+03
543	84	0.0000e+00	2.2556e+03	-5.6843e-14	5.7171e+02	-3.6380e-12	8.6566e+04
	85	0.0000e+00	2.2564e+03	5.6843e-14	-5.7171e+02	-1.4552e-11	-8.6656e+04
544	116	-1.2925e+01	-2.7924e+02	-4.4939e+01	-5.3498e+01	1.7736e+03	-1.7976e+03
	109	1.2925e+01	2.7924e+02	4.4939e+01	5.3498e+01	-1.1381e+03	-2.1514e+03
545	103	1.9468e+01	-4.9283e+02	-2.2203e+01	1.8448e+03	2.5773e+03	-2.5855e+03
	110	-1.9468e+01	4.9283e+02	2.2203e+01	-1.8448e+03	-2.2633e+03	-4.3841e+03
546	122	9.0949e-13	-1.6462e+00	7.1054e-15	-4.2330e+03	-9.0949e-13	2.9460e+02
	123	-9.0949e-13	1.6462e+00	-7.1054e-15	4.2330e+03	-3.6380e-12	-9.2346e+02
547	175	-1.0914e-11	3.8945e+01	2.1828e-11	-2.5707e+03	-5.8208e-11	4.2213e+03
	122	1.0914e-11	-3.8945e+01	-2.1828e-11	2.5707e+03	-1.7462e-10	-3.3951e+03
548	97	0.0000e+00	3.8945e+01	-2.2737e-13	1.1671e+03	-1.4552e-11	1.1307e+04
	175	0.0000e+00	-3.8945e+01	2.2737e-13	-1.1671e+03	1.2733e-11	-4.8027e+03
549	98	9.0949e-13	-6.6912e-01	5.2847e-14	1.0766e+01	-5.9117e-12	2.6757e+02
	97	-9.0949e-13	6.6912e-01	-5.2847e-14	-1.0766e+01	6.4801e-12	-4.4824e+02
550	90	4.3656e-11	-1.2987e+03	-1.4552e-11	2.2690e+04	1.1642e-10	3.5507e+03
	98	-4.3656e-11	1.2987e+03	1.4552e-11	-2.2690e+04	-5.8208e-11	-3.1100e+04
551	92	-6.8212e-13	1.7769e-01	3.5527e-14	2.3699e+03	1.8190e-12	1.6716e+02
	90	6.8212e-13	-1.7769e-01	-3.5527e-14	-2.3699e+03	4.5475e-13	-9.9283e+01
552	429	3.3822e-12	5.5598e+03	-2.8422e-14	2.6782e+03	0.0000e+00	2.0521e+05
	442	-3.3822e-12	5.7724e+03	2.8422e-14	-2.6782e+03	-3.6380e-12	-2.3870e+05
553	435	-1.4495e-12	5.8806e+03	0.0000e+00	5.5161e+04	-7.2760e-12	2.8966e+05
	429	1.4495e-12	5.5595e+03	0.0000e+00	-5.5161e+04	-7.2760e-12	-2.3860e+05
554	458	1.3927e-12	2.8821e+03	2.8422e-14	8.9958e+03	-1.8190e-12	1.9561e+05
	435	-1.3927e-12	2.7325e+03	-2.8422e-14	-8.9958e+03	-3.6380e-12	-1.7183e+05
555	467	-1.8758e-12	2.6747e+03	7.1054e-15	8.0613e+03	1.8190e-12	1.6348e+05
	458	1.8758e-12	2.9399e+03	-7.1054e-15	-8.0613e+03	2.7285e-12	-2.0565e+05
556	449	2.8422e-14	5.9992e+03	3.5527e-14	-6.8468e+04	6.8212e-12	3.2007e+05
	467	-2.8422e-14	5.6927e+03	-3.5527e-14	6.8468e+04	-1.8190e-12	-2.7025e+05
557	447	2.7853e-12	4.9064e+03	1.4211e-14	-1.5933e+04	5.4570e-12	1.1325e+05

	449	-2.7853e-12	6.5517e+03	-1.4211e-14	1.5933e+04	-3.6380e-12	-3.7526e+05
558	445	-1.7053e-12	4.3559e+03	5.6843e-14	2.3117e+04	0.0000e+00	4.0206e+05
	447	1.7053e-12	1.1704e+03	-5.6843e-14	-2.3117e+04	7.2760e-12	9.6478e+04
559	456	5.5707e-12	1.8584e+03	8.5265e-14	-4.4468e+04	-1.4552e-11	1.8062e+04
	445	-5.5707e-12	3.6355e+03	-8.5265e-14	4.4468e+04	-1.8190e-11	-2.9455e+05
560	452	1.8190e-12	4.1088e+03	8.5265e-14	2.7933e+04	-7.2760e-12	2.1360e+05
	453	-1.8190e-12	3.8316e+03	-8.5265e-14	-2.7933e+04	-3.6380e-12	-1.6946e+05
561	90	3.6380e-12	2.2051e+03	-9.0949e-13	2.1664e+03	1.4552e-11	1.1986e+05
	452	-3.6380e-12	6.7383e+02	9.0949e-13	-2.1664e+03	-7.2760e-12	1.0047e+04
562	424	0.0000e+00	3.8935e+03	-1.1369e-13	7.1008e+03	5.8208e-11	1.8760e+05
	169	0.0000e+00	4.0931e+03	1.1369e-13	-7.1008e+03	1.4552e-11	-2.1957e+05
563	461	-1.8190e-12	3.9736e+03	0.0000e+00	-6.1468e+03	0.0000e+00	2.1003e+05
	424	1.8190e-12	3.9543e+03	0.0000e+00	6.1468e+03	-7.2760e-12	-2.0695e+05
572	420	1.8190e-12	4.0581e+03	5.6843e-14	-7.3075e+03	-4.3656e-11	2.1361e+05
	162	-1.8190e-12	3.9285e+03	-5.6843e-14	7.3075e+03	-1.4552e-11	-1.9285e+05
573	436	1.8190e-12	3.9677e+03	-5.6843e-14	-2.9165e+04	-2.9104e-11	2.0195e+05
	420	-1.8190e-12	3.9602e+03	5.6843e-14	2.9165e+04	-4.3656e-11	-2.0076e+05
574	431	-1.8190e-12	-5.3293e+01	-8.5265e-14	7.4309e+03	-7.2760e-12	7.6546e+02
	436	1.8190e-12	5.3293e+01	8.5265e-14	-7.4309e+03	1.0914e-11	-1.7713e+04
575	440	-3.6380e-12	7.7285e+01	-9.9476e-14	-8.7672e+03	7.2760e-12	2.1484e+04
	431	3.6380e-12	-7.7285e+01	9.9476e-14	8.7672e+03	1.4552e-11	3.0925e+03
576	422	1.8190e-12	4.1400e+03	6.3949e-14	2.6060e+04	1.1823e-11	2.2998e+05
	440	-1.8190e-12	3.9624e+03	-6.3949e-14	-2.6060e+04	9.0949e-12	-2.0113e+05
577	416	1.8190e-12	3.3356e+03	8.5265e-14	-3.5728e+04	-1.0914e-11	1.3509e+05
	422	-1.8190e-12	4.6048e+03	-8.5265e-14	3.5728e+04	7.2760e-12	-3.3721e+05
578	426	0.0000e+00	2.9897e+03	-5.6843e-14	-4.0925e+04	1.4552e-11	4.1055e+02
	416	0.0000e+00	4.8136e+03	5.6843e-14	4.0925e+04	2.9104e-11	-2.8585e+05
579	78	-1.8190e-12	5.7222e+03	0.0000e+00	9.3161e+04	1.4552e-11	4.9194e+05
	426	1.8190e-12	2.0402e+03	0.0000e+00	-9.3161e+04	-1.4552e-11	8.1267e+04
588	174	-1.8190e-12	-8.4581e+01	7.1054e-15	3.6125e+02	-4.5475e-12	-2.2432e+04
	445	1.8190e-12	8.4581e+01	-7.1054e-15	-3.6125e+02	-3.6380e-12	-2.1465e+04
589	432	0.0000e+00	2.6192e+02	2.2737e-13	1.3044e+04	2.9104e-11	3.3345e+04
	174	0.0000e+00	-2.6192e+02	-2.2737e-13	-1.3044e+04	1.4552e-11	1.7337e+04
590	439	1.8190e-12	1.7517e+03	1.1369e-13	-1.9483e+03	2.9104e-11	7.1849e+03
	122	-1.8190e-12	2.2991e+03	-1.1369e-13	1.9483e+03	0.0000e+00	-5.6082e+04
591	115	0.0000e+00	2.3103e+02	-1.1369e-13	-7.8690e+02	-1.4552e-11	1.5900e+04
	123	0.0000e+00	-2.3103e+02	1.1369e-13	7.8690e+02	6.5484e-11	1.8261e+04
592	104	-4.5475e-12	-9.8853e+01	7.6739e-13	1.7602e+03	-2.1828e-11	-5.7757e+03
	115	4.5475e-12	9.8853e+01	-7.6739e-13	-1.7602e+03	-7.2760e-12	-1.1326e+04
593	92	3.6380e-12	1.8063e+02	-2.5580e-13	-5.1963e+02	3.8199e-11	1.0866e+04
	104	-3.6380e-12	-1.8063e+02	2.5580e-13	5.1963e+02	-3.6380e-11	1.5844e+04
594	104	-5.2296e-12	9.0488e+02	5.6843e-14	-2.2081e+04	-3.4561e-11	1.4205e+05
	467	5.2296e-12	-9.0488e+02	-5.6843e-14	2.2081e+04	-1.8190e-11	1.0190e+04
595	123	1.8190e-12	2.4472e+02	1.4211e-13	-6.9151e+03	4.3656e-11	8.6071e+04
	458	-1.8190e-12	-2.4472e+02	-1.4211e-13	6.9151e+03	1.0914e-11	-4.8835e+04
596	424	1.8190e-12	-1.0366e+01	-7.1054e-15	3.6190e+00	-6.3665e-12	-2.1276e+03
	429	-1.8190e-12	1.0366e+01	7.1054e-15	-3.6190e+00	-1.0914e-11	-3.2526e+03
598	461	0.0000e+00	-1.7008e+02	-1.7764e-14	4.6814e+03	5.4570e-12	-2.6951e+04
	435	0.0000e+00	1.7008e+02	1.7764e-14	-4.6814e+03	-3.6380e-12	-6.1323e+04
599	459	-3.6380e-12	4.2759e+02	6.8212e-13	1.6957e+03	-1.4552e-11	3.4982e+04

	461	3.6380e-12	-4.2759e+02	-6.8212e-13	-1.6957e+03	0.0000e+00	4.7757e+04
600	452	-1.3642e-12	3.6978e+01	-1.0658e-14	7.2456e+03	-4.5475e-12	1.2754e+04
	449	1.3642e-12	-3.6978e+01	1.0658e-14	-7.2456e+03	-9.0949e-12	6.4376e+03
601	423	-2.7285e-12	2.3844e+03	6.8212e-13	-8.4908e+03	4.3656e-11	7.7678e+04
	452	2.7285e-12	1.8703e+03	-6.8212e-13	8.4908e+03	-2.9104e-11	-2.7938e+04
602	456	1.8190e-12	-6.0555e+01	3.5527e-15	2.5923e+04	0.0000e+00	1.3833e+04
	78	-1.8190e-12	6.0555e+01	-3.5527e-15	-2.5923e+04	1.3642e-12	-4.6956e+04
603	85	5.4570e-12	5.9787e+03	-1.2434e-14	6.4032e+03	-9.0949e-13	5.3236e+05
	456	-5.4570e-12	4.9511e+03	1.2434e-14	-6.4032e+03	1.3642e-12	-2.7854e+05
604	442	-1.8190e-12	7.7645e+01	1.0658e-14	8.0296e+03	9.0949e-13	-4.4747e+02
	162	1.8190e-12	-7.7645e+01	-1.0658e-14	-8.0296e+03	1.8190e-12	4.2145e+04
605	169	0.0000e+00	2.3679e+02	-1.0658e-14	-5.0851e+03	-4.5475e-13	7.8321e+04
	442	0.0000e+00	-2.3679e+02	1.0658e-14	5.0851e+03	0.0000e+00	4.1026e+04
606	420	3.6380e-12	-2.2586e+02	2.2737e-13	3.6027e+03	0.0000e+00	-1.4495e+04
	419	-3.6380e-12	2.2586e+02	-2.2737e-13	-3.6027e+03	-1.4552e-11	-2.9209e+04
607	429	-3.6380e-12	-8.8577e+00	7.1054e-15	2.1750e+03	-3.6380e-12	-9.7906e+03
	420	3.6380e-12	8.8577e+00	-7.1054e-15	-2.1750e+03	-2.7285e-12	4.9011e+03
608	436	7.2760e-12	6.7327e+02	2.2737e-13	-1.4262e+04	0.0000e+00	1.1270e+05
	443	-7.2760e-12	-6.7327e+02	-2.2737e-13	1.4262e+04	1.4552e-11	1.7579e+04
609	435	3.6380e-12	3.4299e+03	1.4211e-14	3.9084e+03	1.8190e-12	2.7431e+05
	436	-3.6380e-12	3.5317e+03	-1.4211e-14	-3.9084e+03	1.8190e-12	-3.0242e+05
610	431	-5.4570e-12	2.3644e+03	-5.6843e-14	1.0613e+03	7.2760e-12	4.5300e+05
	417	5.4570e-12	-2.3644e+03	5.6843e-14	-1.0613e+03	1.4552e-11	4.5123e+03
611	458	-9.0949e-13	5.5558e+03	-3.5527e-15	1.8286e+03	-2.2737e-12	2.1112e+05
	431	9.0949e-13	6.8499e+03	3.5527e-15	-1.8286e+03	-1.5916e-12	-5.6828e+05
612	440	7.2760e-12	6.9181e+02	-2.2737e-13	1.6522e+04	5.8208e-11	1.1511e+05
	438	-7.2760e-12	-6.9181e+02	2.2737e-13	-1.6522e+04	5.8208e-11	1.8751e+04
613	467	1.5348e-12	3.3648e+03	0.0000e+00	-1.4706e+03	-1.8190e-12	2.5173e+05
	440	-1.5348e-12	3.5968e+03	0.0000e+00	1.4706e+03	-9.0949e-13	-3.1577e+05
614	422	-1.8190e-12	-1.0623e+02	2.2737e-13	5.4557e+03	0.0000e+00	-8.3140e+03
	448	1.8190e-12	1.0623e+02	-2.2737e-13	-5.4557e+03	5.8208e-11	-1.2272e+04
615	449	9.0949e-13	-4.6084e+01	2.8422e-14	-1.3057e+03	1.8190e-12	-2.2098e+04
	422	-9.0949e-13	4.6084e+01	-2.8422e-14	1.3057e+03	4.5475e-12	-3.3409e+03
616	426	1.0914e-11	-4.2727e+03	0.0000e+00	-5.6782e+04	-1.4552e-11	-3.8726e+05
	433	-1.0914e-11	4.2727e+03	0.0000e+00	5.6782e+04	0.0000e+00	-4.3951e+05
617	445	0.0000e+00	7.5719e+02	-7.1054e-15	2.0313e+04	-1.8190e-12	1.6860e+05
	426	0.0000e+00	-7.5719e+02	7.1054e-15	-2.0313e+04	0.0000e+00	2.4937e+05
618	416	0.0000e+00	-5.9917e+03	-1.7053e-13	9.9278e+04	-7.2760e-12	-7.0271e+05
	434	0.0000e+00	5.9917e+03	1.7053e-13	-9.9278e+04	0.0000e+00	-4.5669e+05
619	447	2.7285e-12	2.1574e+03	0.0000e+00	-5.1485e+04	-4.5475e-13	4.8300e+05
	416	-2.7285e-12	-2.1574e+03	0.0000e+00	5.1485e+04	-1.5916e-12	7.0791e+05
620	453	-9.0949e-13	5.3114e+03	5.3291e-15	-1.4724e+03	-1.1369e-12	3.1296e+05
	447	9.0949e-13	6.1715e+03	-5.3291e-15	1.4724e+03	-3.6380e-12	-5.3614e+05
621	468	7.2760e-12	2.3938e+03	-2.2737e-13	1.5469e+04	0.0000e+00	1.4647e+05
	453	-7.2760e-12	1.8937e+03	2.2737e-13	-1.5469e+04	-1.4552e-11	-9.8020e+04
622	364	0.0000e+00	5.6598e+03	4.2633e-14	-1.0136e+04	7.2760e-12	1.9532e+05
	363	0.0000e+00	6.7332e+03	-4.2633e-14	1.0136e+04	7.2760e-12	-3.6438e+05
623	382	6.2528e-13	6.6159e+03	4.2633e-14	-8.9708e+03	5.4570e-12	3.6215e+05
	364	-6.2528e-13	5.8952e+03	-4.2633e-14	8.9708e+03	1.8190e-12	-2.4756e+05
624	339	2.2737e-13	3.6592e+03	8.5265e-14	1.1259e+04	0.0000e+00	2.3299e+05

	382	-2.2737e-13	3.2522e+03	-8.5265e-14	-1.1259e+04	-4.5475e-12	-1.6828e+05
625	334	-6.2528e-13	2.3314e+03	7.1054e-15	8.6923e+03	-4.0927e-12	1.3141e+05
	339	6.2528e-13	2.9366e+03	-7.1054e-15	-8.6923e+03	-1.3642e-12	-2.2764e+05
626	378	2.6716e-12	6.3440e+03	7.1054e-15	-8.6066e+03	6.1391e-12	3.1160e+05
	334	-2.6716e-12	6.4425e+03	-7.1054e-15	8.6066e+03	-2.2737e-12	-3.2762e+05
627	384	-2.2737e-12	5.6188e+03	1.4211e-14	-5.7640e+03	9.0949e-13	1.9182e+05
	378	2.2737e-12	6.9120e+03	-1.4211e-14	5.7640e+03	0.0000e+00	-3.9776e+05
628	362	-5.6843e-13	5.2642e+03	2.8422e-14	2.2984e+04	-7.2760e-12	4.7366e+05
	384	5.6843e-13	1.5385e+03	-2.8422e-14	-2.2984e+04	-1.8190e-12	1.0942e+05
629	347	-4.2633e-13	2.6637e+03	-2.8422e-14	-3.0097e+04	3.6380e-12	6.8503e+04
	362	4.2633e-13	4.0991e+03	2.8422e-14	3.0097e+04	-3.6380e-12	-2.9181e+05
630	338	9.0949e-13	4.4861e+03	-5.6843e-14	2.4050e+04	0.0000e+00	2.4498e+05
	350	-9.0949e-13	4.1983e+03	5.6843e-14	-2.4050e+04	-1.8190e-11	-1.9916e+05
631	88	-1.8190e-12	3.3248e+03	-3.4106e-13	4.3765e+03	4.7294e-11	1.5598e+05
	338	1.8190e-12	1.3013e+03	3.4106e-13	-4.3765e+03	1.0914e-11	1.5684e+04
632	356	-9.0949e-13	4.1842e+03	5.6843e-14	3.9068e+03	-1.4552e-11	1.9992e+05
	166	9.0949e-13	4.5507e+03	-5.6843e-14	-3.9068e+03	-1.4552e-11	-2.5863e+05
633	348	9.0949e-13	4.3465e+03	-1.1369e-13	-3.4275e+02	-7.2760e-12	2.3058e+05
	356	-9.0949e-13	4.3242e+03	1.1369e-13	3.4275e+02	0.0000e+00	-2.2704e+05
634	119	2.7285e-12	4.5906e+03	-9.9476e-14	-3.8816e+03	1.0914e-11	2.6348e+05
	348	-2.7285e-12	4.2804e+03	9.9476e-14	3.8816e+03	-3.6380e-12	-2.1302e+05
643	381	0.0000e+00	4.3786e+03	1.1369e-13	-6.0683e+02	0.0000e+00	2.3041e+05
	128	0.0000e+00	4.3562e+03	-1.1369e-13	6.0683e+02	1.4552e-11	-2.2682e+05
644	376	9.0949e-13	4.4974e+03	5.6843e-14	5.5634e+03	0.0000e+00	2.5473e+05
	381	-9.0949e-13	4.1734e+03	-5.6843e-14	-5.5634e+03	0.0000e+00	-2.0321e+05
645	373	9.0949e-13	2.6297e+03	2.8422e-14	-3.0721e+03	-1.0914e-11	1.5168e+05
	376	-9.0949e-13	2.4197e+03	-2.8422e-14	3.0721e+03	7.2760e-12	-1.1830e+05
646	361	1.8190e-12	2.4581e+03	-7.8160e-14	2.2356e+03	7.2760e-12	1.2471e+05
	373	-1.8190e-12	2.5913e+03	7.8160e-14	-2.2356e+03	-1.5461e-11	-1.4589e+05
647	375	1.8190e-12	4.3312e+03	-1.4211e-14	-6.8749e+03	-1.0004e-11	2.2436e+05
	361	-1.8190e-12	4.5304e+03	1.4211e-14	6.8749e+03	1.0914e-11	-2.5674e+05
648	369	0.0000e+00	3.7414e+03	0.0000e+00	-4.0801e+04	-1.0914e-11	1.5842e+05
	375	0.0000e+00	4.9430e+03	0.0000e+00	4.0801e+04	0.0000e+00	-3.4976e+05
649	388	0.0000e+00	3.5037e+03	8.5265e-14	-3.9964e+04	0.0000e+00	5.2204e+04
	369	0.0000e+00	5.0307e+03	-8.5265e-14	3.9964e+04	0.0000e+00	-2.9117e+05
650	76	-9.0949e-13	6.0457e+03	-5.6843e-14	8.9458e+04	-7.2760e-12	5.1406e+05
	388	9.0949e-13	2.4440e+03	5.6843e-14	-8.9458e+04	-1.4552e-11	4.6650e+04
659	173	-9.0949e-13	-7.0415e+01	-2.1316e-14	-1.4828e+03	-1.3642e-12	-2.0426e+04
	362	9.0949e-13	7.0415e+01	2.1316e-14	1.4828e+03	-3.6380e-12	-1.6119e+04
660	353	0.0000e+00	3.2751e+02	1.1369e-13	1.3978e+04	2.9104e-11	4.3141e+04
	173	0.0000e+00	-3.2751e+02	-1.1369e-13	-1.3978e+04	4.3656e-11	2.0232e+04
661	355	-6.3665e-12	1.9818e+03	1.7053e-13	-1.3448e+04	1.4552e-11	2.7088e+04
	119	6.3665e-12	2.4193e+03	-1.7053e-13	1.3448e+04	0.0000e+00	-6.6170e+04
662	113	0.0000e+00	1.4673e+03	-1.7053e-13	-1.1360e+02	4.3656e-11	5.0114e+04
	121	0.0000e+00	8.3440e+02	1.7053e-13	1.1360e+02	-7.2760e-12	-3.3204e+03
663	102	5.0022e-12	1.2415e+03	-3.8369e-13	1.5169e+03	-2.5466e-11	2.9277e+04
	113	-5.0022e-12	1.4515e+03	3.8369e-13	-1.5169e+03	5.4570e-12	-4.7441e+04
664	89	9.0949e-13	1.2464e+03	8.8107e-13	-1.4555e+03	-2.1828e-11	3.4355e+04
	102	-9.0949e-13	1.0553e+03	-8.8107e-13	1.4555e+03	3.2742e-11	-2.0230e+04
665	102	-4.3343e-12	2.2304e+03	1.9895e-13	-1.6487e+04	4.0018e-11	1.9134e+05

	334	4.3343e-12	-2.2304e+03	-1.9895e-13	1.6487e+04	4.7294e-11	1.8389e+05
666	121	5.4570e-12	1.9186e+03	5.1159e-13	4.0298e+03	0.0000e+00	1.4529e+05
	339	-5.4570e-12	-1.9186e+03	-5.1159e-13	-4.0298e+03	-7.2760e-12	1.4665e+05
667	356	0.0000e+00	5.6327e+01	-2.8422e-14	-2.9413e+01	4.5475e-12	1.2429e+04
	364	0.0000e+00	-5.6327e+01	2.8422e-14	2.9413e+01	-3.6380e-12	1.6805e+04
668	367	7.2760e-12	4.6357e+02	2.2737e-13	6.4695e+02	-1.4552e-11	4.6517e+04
	356	-7.2760e-12	-4.6357e+02	-2.2737e-13	-6.4695e+02	-2.9104e-11	4.3185e+04
669	348	0.0000e+00	5.1552e+01	1.4211e-14	3.2943e+03	-4.5475e-13	9.2201e+03
	382	0.0000e+00	-5.1552e+01	-1.4211e-14	-3.2943e+03	-2.7285e-12	1.7535e+04
670	349	3.6380e-12	4.3290e+02	-3.4106e-13	6.2090e+02	4.3656e-11	4.2156e+04
	348	-3.6380e-12	-4.3290e+02	3.4106e-13	-6.2090e+02	0.0000e+00	4.1611e+04
671	338	-9.0949e-13	9.5832e+01	7.1054e-15	3.8455e+03	3.6380e-12	2.3246e+04
	378	9.0949e-13	-9.5832e+01	-7.1054e-15	-3.8455e+03	-1.8190e-12	2.6491e+04
672	368	4.5475e-12	2.8823e+03	-2.2737e-13	4.6220e+03	1.4552e-11	1.1255e+05
	338	-4.5475e-12	1.9334e+03	2.2737e-13	-4.6220e+03	0.0000e+00	-2.0746e+04
673	347	-1.8190e-12	-1.7178e+02	-1.7764e-15	7.5870e+03	-1.1369e-12	-2.5894e+04
	76	1.8190e-12	1.7178e+02	1.7764e-15	-7.5870e+03	-7.9581e-13	-6.8072e+04
674	83	3.6380e-12	6.3243e+03	-1.5987e-14	6.7945e+03	-2.9559e-12	5.5553e+05
	347	-3.6380e-12	5.5470e+03	1.5987e-14	-6.7945e+03	-3.6380e-12	-3.6355e+05
675	363	3.6380e-12	1.4618e+02	4.4409e-15	7.4773e+03	-4.5475e-13	2.4309e+04
	128	-3.6380e-12	-1.4618e+02	-4.4409e-15	-7.4773e+03	-6.8212e-13	5.4193e+04
676	166	-1.8190e-12	2.8511e+02	0.0000e+00	-5.9499e+03	-2.9559e-12	8.5681e+04
	363	1.8190e-12	-2.8511e+02	0.0000e+00	5.9499e+03	0.0000e+00	5.8021e+04
677	381	3.6380e-12	-3.7106e+02	-4.5475e-13	2.4924e+03	-1.4552e-11	-3.7184e+04
	380	-3.6380e-12	3.7106e+02	4.5475e-13	-2.4924e+03	-1.4552e-11	-3.4615e+04
678	364	0.0000e+00	6.3254e+00	-1.4211e-14	1.9792e+03	7.2760e-12	1.2242e+03
	381	0.0000e+00	-6.3254e+00	1.4211e-14	-1.9792e+03	3.1832e-12	2.2675e+03
679	376	3.6380e-12	-3.1094e+02	-2.2737e-13	1.2344e+03	0.0000e+00	-3.8255e+04
	370	-3.6380e-12	3.1094e+02	2.2737e-13	-1.2344e+03	0.0000e+00	-2.1912e+04
680	382	-3.6380e-12	-1.7684e+01	-4.9738e-14	-2.0302e+03	7.2760e-12	-1.1161e+01
	376	3.6380e-12	1.7684e+01	4.9738e-14	2.0302e+03	0.0000e+00	-9.7503e+03
681	373	-6.3665e-12	-1.6811e+02	-3.4106e-13	7.9020e+02	2.9104e-11	-1.9722e+04
	383	6.3665e-12	1.6811e+02	3.4106e-13	-7.9020e+02	2.1828e-11	-1.2807e+04
682	339	7.2760e-12	-2.1421e+02	5.3291e-15	1.3442e+02	-1.1369e-12	-5.9504e+04
	373	-7.2760e-12	2.1421e+02	-5.3291e-15	-1.3442e+02	-1.1369e-13	-5.8738e+04
683	361	-3.8085e-12	-3.4056e+02	2.2737e-13	5.8868e+02	-1.4552e-11	-3.9845e+04
	371	3.8085e-12	3.4056e+02	-2.2737e-13	-5.8868e+02	0.0000e+00	-2.6054e+04
684	334	-3.2117e-12	-1.1110e+02	1.7764e-14	6.4143e+03	-1.0914e-11	-3.2307e+04
	361	3.2117e-12	1.1110e+02	-1.7764e-14	-6.4143e+03	-1.1823e-11	-2.9019e+04
685	375	-1.8190e-11	-4.7521e+02	3.4106e-13	1.5899e+03	-4.3656e-11	-4.7031e+04
	354	1.8190e-11	4.7521e+02	-3.4106e-13	-1.5899e+03	-2.9104e-11	-4.5057e+04
686	378	9.0949e-13	-4.7504e+01	-7.1054e-15	2.6176e+02	1.8190e-12	-1.5518e+04
	375	-9.0949e-13	4.7504e+01	7.1054e-15	-2.6176e+02	-3.6380e-12	-1.0704e+04
687	388	-7.2760e-12	-5.0708e+03	-9.0949e-13	-6.9925e+04	-2.9104e-11	-4.2060e+05
	386	7.2760e-12	5.0708e+03	9.0949e-13	6.9925e+04	-1.4552e-11	-5.6059e+05
688	362	-4.5475e-12	8.7702e+02	-7.1054e-15	2.4565e+04	-1.6371e-11	1.9508e+05
	388	4.5475e-12	-8.7702e+02	7.1054e-15	-2.4565e+04	-1.1823e-11	2.8903e+05
689	369	-7.2760e-12	-6.7832e+03	5.6843e-14	9.1431e+04	-7.2760e-12	-6.4436e+05
	385	7.2760e-12	6.7832e+03	-5.6843e-14	-9.1431e+04	-1.0914e-11	-6.6819e+05
690	384	1.8190e-12	1.9889e+03	1.7764e-15	-4.1323e+04	0.0000e+00	4.5436e+05

	369	-1.8190e-12	-1.9889e+03	-1.7764e-15	4.1323e+04	4.5475e-13	6.4352e+05
691	350	0.0000e+00	5.9744e+03	-6.2172e-15	1.7104e+03	-2.2737e-13	3.9809e+05
	384	0.0000e+00	6.4977e+03	6.2172e-15	-1.7104e+03	4.5475e-13	-5.3388e+05
692	352	-7.2760e-12	3.2880e+03	-5.6843e-14	-2.7890e+03	-3.6380e-12	2.2892e+05
	350	7.2760e-12	1.3688e+03	5.6843e-14	2.7890e+03	0.0000e+00	-4.2972e+04
693	172	-4.5475e-13	1.8564e+02	2.3981e-14	-1.4362e+03	6.1391e-12	4.8784e+04
	141	4.5475e-13	-1.8564e+02	-2.3981e-14	1.4362e+03	3.1832e-12	4.7563e+04
694	130	-2.2737e-12	-8.3998e+02	4.2633e-14	4.5019e+03	5.4570e-12	-6.8439e+04
	172	2.2737e-12	8.3998e+02	-4.2633e-14	-4.5019e+03	-5.4570e-12	-9.4096e+04
695	171	1.4037e+04	-2.0814e+02	1.8281e+02	-9.9608e+01	-3.5539e+04	-5.2153e+04
	172	-1.2449e+04	2.0814e+02	-1.8281e+02	9.9608e+01	-2.4787e+04	-1.6532e+04
696	134	1.1369e-13	2.9065e+03	0.0000e+00	1.4344e+04	-1.2733e-11	8.0727e+04
	503	-1.1369e-13	2.4062e+03	0.0000e+00	-1.4344e+04	-1.4552e-11	-3.6046e+04
697	496	-5.6843e-13	1.3497e+03	-8.7041e-14	5.6765e+03	-2.1146e-11	3.5496e+04
	504	5.6843e-13	1.2446e+03	8.7041e-14	-5.6765e+03	-1.6485e-11	-2.7727e+04
698	494	-9.6634e-13	1.5613e+03	1.8208e-14	-4.1856e+02	-5.4001e-12	4.6036e+04
	496	9.6634e-13	1.4740e+03	-1.8208e-14	4.1856e+02	2.6716e-12	-3.8486e+04
699	493	1.7053e-12	1.2901e+03	7.9492e-14	-2.3592e+03	-3.6096e-12	3.1135e+04
	494	-1.7053e-12	1.3042e+03	-7.9492e-14	2.3592e+03	-9.2086e-12	-3.2178e+04
700	494	1.0889e-12	-1.3310e+01	-8.8818e-15	-8.6917e+03	-2.0464e-12	2.0049e+03
	144	-1.0889e-12	1.3310e+01	8.8818e-15	8.6917e+03	-3.6380e-12	-4.2441e+03
701	504	1.1369e-12	-5.1499e+02	5.3291e-14	9.1136e+03	1.8190e-12	-3.4155e+04
	145	-1.1369e-12	5.1499e+02	-5.3291e-14	-9.1136e+03	4.0927e-12	-4.4206e+04
702	137	-3.4106e-13	2.6158e+01	2.6645e-15	-1.7224e+03	-2.7285e-12	5.6383e+03
	147	3.4106e-13	-2.6158e+01	-2.6645e-15	1.7224e+03	3.1832e-12	7.9379e+03
703	136	1.8190e-12	-8.5561e+01	9.9476e-14	2.4602e+02	1.2733e-11	-1.8193e+04
	137	-1.8190e-12	8.5561e+01	-9.9476e-14	-2.4602e+02	-3.6380e-12	1.6366e+03
704	138	-1.3642e-12	1.7576e+00	8.8818e-16	2.1792e+03	-1.1369e-12	1.5271e+02
	146	1.3642e-12	-1.7576e+00	-8.8818e-16	-2.1792e+03	4.5475e-13	7.5946e+02
705	135	3.4106e-13	-2.7679e+01	1.5632e-13	-2.7454e+03	1.0914e-11	-1.7985e+04
	138	-3.4106e-13	2.7679e+01	-1.5632e-13	2.7454e+03	-1.0914e-11	1.2629e+04
706	140	3.6948e-13	7.2406e+01	1.6875e-14	2.6657e+03	-2.2737e-13	2.3036e+04
	143	-3.6948e-13	-7.2406e+01	-1.6875e-14	-2.6657e+03	4.0927e-12	1.4543e+04
707	132	1.7053e-12	3.1932e+03	9.9476e-14	4.4825e+03	1.2733e-11	9.6861e+04
	140	-1.7053e-12	2.5615e+03	-9.9476e-14	-4.4825e+03	-1.8190e-12	-3.5738e+04
708	161	5.6843e-14	-4.5531e+01	-4.0419e-16	-3.8587e+03	3.4106e-13	-1.6289e+04
	482	-5.6843e-14	4.5531e+01	4.0419e-16	3.8587e+03	2.9843e-13	-8.6162e+03
709	579	-3.1832e-12	1.2433e+03	-2.9843e-13	1.8611e+04	-1.0914e-11	6.4556e+04
	161	3.1832e-12	-1.2433e+03	2.9843e-13	-1.8611e+04	5.4570e-12	3.1314e+04
710	25	3.1832e-12	3.8483e+03	2.5580e-13	-2.6572e+04	-3.6380e-12	1.7605e+05
	479	-3.1832e-12	-3.8483e+03	-2.5580e-13	2.6572e+04	-5.4570e-12	2.2226e+05
711	148	-5.6843e-14	1.2050e+02	1.4433e-15	2.1696e+03	2.8422e-13	3.3442e+04
	474	5.6843e-14	-1.2050e+02	-1.4433e-15	-2.1696e+03	-2.8422e-13	3.1268e+04
712	478	8.5265e-13	1.8467e+01	2.4425e-15	-9.0123e+02	-5.6843e-14	4.5716e+03
	148	-8.5265e-13	-1.8467e+01	-2.4425e-15	9.0123e+02	9.0949e-13	4.7360e+03
713	156	-3.1832e-12	-1.8935e+03	1.5632e-13	-1.2545e+03	1.8190e-12	-7.7630e+04
	160	3.1832e-12	1.8935e+03	-1.5632e-13	1.2545e+03	1.3642e-11	-2.8875e+05
714	147	-7.9581e-13	1.4030e+02	1.1546e-14	1.7209e+03	-3.4106e-12	3.0335e+04
	156	7.9581e-13	-1.4030e+02	-1.1546e-14	-1.7209e+03	-2.5864e-12	4.7109e+04
715	155	2.8422e-12	-1.8238e+03	3.5527e-13	3.8640e+03	-3.6380e-12	-6.4572e+04

	159	-2.8422e-12	1.8238e+03	-3.5527e-13	-3.8640e+03	5.4570e-12	-2.8833e+05
716	146	2.8422e-13	9.0992e+01	1.4155e-15	1.6821e+03	-1.1937e-12	1.7239e+04
	155	-2.8422e-13	-9.0992e+01	-1.4155e-15	-1.6821e+03	2.5580e-12	3.2989e+04
717	154	3.0695e-12	-1.7863e+03	2.9843e-13	-4.6469e+03	3.6380e-12	-5.7656e+04
	158	-3.0695e-12	1.7863e+03	-2.9843e-13	4.6469e+03	0.0000e+00	-2.8800e+05
718	145	5.4001e-13	5.1587e+01	2.6479e-14	-7.1874e+03	-1.7621e-12	7.1653e+03
	154	-5.4001e-13	-5.1587e+01	-2.6479e-14	7.1874e+03	1.2221e-12	2.1311e+04
719	153	2.4425e-12	-1.8950e+03	2.8422e-14	1.5888e+03	1.0914e-11	-6.6082e+04
	157	-2.4425e-12	1.8950e+03	-2.8422e-14	-1.5888e+03	-6.3665e-12	-3.0061e+05
720	144	7.8693e-13	1.4894e+01	3.6360e-15	7.6740e+03	-4.7180e-12	-6.0020e+03
	153	-7.8693e-13	-1.4894e+01	-3.6360e-15	-7.6740e+03	-1.8474e-12	1.4224e+04
721	151	1.2506e-12	-1.9228e+03	-5.6843e-14	-4.5657e+02	1.8190e-11	-7.2942e+04
	152	-1.2506e-12	1.9228e+03	5.6843e-14	4.5657e+02	2.7285e-11	-2.9966e+05
722	143	2.2737e-13	2.0650e+01	4.9405e-15	5.2916e+03	2.4443e-12	-4.3167e+03
	151	-2.2737e-13	-2.0650e+01	-4.9405e-15	-5.2916e+03	-2.2737e-12	1.5716e+04
723	194	0.0000e+00	1.6045e+02	-2.7001e-13	7.2499e+03	3.6380e-12	1.3346e+05
	149	0.0000e+00	-1.6045e+02	2.7001e-13	-7.2499e+03	3.6380e-12	-1.0241e+05
724	141	-9.0949e-13	-9.8802e+01	1.6875e-14	-1.0670e+03	-5.6843e-14	-2.3915e+04
	194	9.0949e-13	9.8802e+01	-1.6875e-14	1.0670e+03	4.0927e-12	-3.0624e+04
725	195	0.0000e+00	1.4292e+02	-2.8422e-14	-1.0426e+04	7.2760e-12	1.3875e+05
	150	0.0000e+00	-1.4292e+02	2.8422e-14	1.0426e+04	-1.0914e-11	-1.1109e+05
726	142	-5.1159e-13	-1.5702e+02	-5.7176e-15	1.8926e+03	-2.5580e-12	-3.9733e+04
	195	5.1159e-13	1.5702e+02	5.7176e-15	-1.8926e+03	-1.1084e-12	-4.6944e+04
727	139	7.3896e-13	5.9790e+01	1.0658e-14	8.3933e+02	9.0949e-13	1.1992e+04
	142	-7.3896e-13	-5.9790e+01	-1.0658e-14	-8.3933e+02	5.0022e-12	1.9039e+04
728	131	-1.2506e-12	2.8562e+02	5.6843e-14	3.3616e+02	2.3647e-11	2.1220e+04
	139	1.2506e-12	-2.8562e+02	-5.6843e-14	-3.3616e+02	3.6380e-12	3.4128e+04
729	147	-1.9895e-13	7.4468e+03	-3.5527e-15	1.7644e+03	-4.5475e-13	3.9969e+05
	148	1.9895e-13	6.9969e+03	3.5527e-15	-1.7644e+03	6.3665e-12	-3.2883e+05
730	146	7.9581e-13	7.4194e+03	-1.2434e-14	-3.9131e+02	1.3642e-12	4.0772e+05
	147	-7.9581e-13	7.1619e+03	1.2434e-14	3.9131e+02	-1.5916e-12	-3.6678e+05
731	145	-2.8422e-14	7.2687e+03	1.9540e-14	-1.1498e+03	2.9559e-12	3.7799e+05
	146	2.8422e-14	7.3125e+03	-1.9540e-14	1.1498e+03	2.2737e-12	-3.8496e+05
732	144	7.3896e-13	4.9772e+03	-2.6201e-14	2.8695e+03	6.8212e-13	2.6104e+05
	145	-7.3896e-13	5.1956e+03	2.6201e-14	-2.8695e+03	1.7621e-12	-2.9576e+05
733	143	0.0000e+00	7.5305e+03	-1.6875e-14	9.0787e+02	-2.2737e-12	4.1319e+05
	144	0.0000e+00	7.3718e+03	1.6875e-14	-9.0787e+02	1.4211e-12	-3.8740e+05
734	142	-3.1264e-13	7.4434e+03	8.8818e-15	-6.0958e+03	-1.3642e-12	4.0816e+05
	143	3.1264e-13	7.1608e+03	-8.8818e-15	6.0958e+03	1.5916e-12	-3.6317e+05
735	141	3.1264e-13	7.4970e+03	-1.9540e-14	1.2117e+03	1.1369e-12	4.2549e+05
	142	-3.1264e-13	6.8550e+03	1.9540e-14	-1.2117e+03	1.1369e-12	-3.2501e+05
736	161	-2.8422e-14	6.7348e+03	1.4211e-14	1.2324e+04	-9.0949e-13	2.9295e+05
	141	2.8422e-14	7.5329e+03	-1.4211e-14	-1.2324e+04	1.8190e-12	-4.1711e+05
737	140	-4.5475e-13	5.0398e+03	-8.8818e-16	4.3779e+03	-2.9559e-12	2.5269e+05
	139	4.5475e-13	5.2604e+03	8.8818e-16	-4.3779e+03	0.0000e+00	-2.8782e+05
738	492	2.2737e-13	7.5684e+02	-1.8296e-13	-1.1532e+04	1.1823e-11	-4.0691e+04
	140	-2.2737e-13	3.1264e+03	1.8296e-13	1.1532e+04	-4.3201e-12	-1.6033e+05
739	137	-1.7053e-13	5.4423e+03	-1.9540e-14	2.1683e+03	4.5475e-13	3.0400e+05
	478	1.7053e-13	4.9179e+03	1.9540e-14	-2.1683e+03	-2.7285e-12	-2.2000e+05
740	138	6.2528e-13	5.1670e+03	-2.1316e-14	-1.5340e+03	2.9559e-12	2.7986e+05

	137	-6.2528e-13	5.1171e+03	2.1316e-14	1.5340e+03	2.5011e-12	-2.7194e+05
741	503	1.1369e-13	5.0166e+03	6.2172e-15	2.8999e+03	4.5475e-13	2.3299e+05
	138	-1.1369e-13	5.5051e+03	-6.2172e-15	-2.8999e+03	2.0464e-12	-3.1246e+05
742	136	-1.1369e-13	3.1429e+03	1.4211e-14	5.6295e+03	-3.1832e-12	1.8269e+05
	479	1.1369e-13	2.7179e+03	-1.4211e-14	-5.6295e+03	-1.8190e-12	-1.1463e+05
743	135	5.6843e-13	2.9306e+03	2.6645e-14	1.5682e+03	3.4106e-12	1.6013e+05
	136	-5.6843e-13	2.8872e+03	-2.6645e-14	-1.5682e+03	4.5475e-13	-1.5324e+05
744	134	7.9581e-13	2.8141e+03	1.0658e-14	5.7296e+03	6.8212e-13	1.3127e+05
	135	-7.9581e-13	3.0037e+03	-1.0658e-14	-5.7296e+03	-2.2737e-12	-1.6143e+05
745	133	1.1369e-13	1.1281e+02	2.2649e-14	-1.3618e+04	1.9327e-12	2.4980e+04
	134	-1.1369e-13	-1.1281e+02	-2.2649e-14	1.3618e+04	-3.5243e-12	1.0892e+04
746	132	1.1369e-13	-7.8040e+00	2.1316e-14	1.0596e+04	-2.5011e-12	2.3206e+03
	133	-1.1369e-13	7.8040e+00	-2.1316e-14	-1.0596e+04	-3.5811e-12	-4.8569e+03
747	131	-6.8212e-13	3.1071e+03	7.1054e-15	-6.8988e+03	2.2737e-13	1.7676e+05
	132	6.8212e-13	2.9119e+03	-7.1054e-15	6.8988e+03	4.5475e-13	-1.4464e+05
748	130	-2.2737e-13	3.0329e+03	-1.4211e-14	-1.6282e+04	-1.1369e-12	1.8051e+05
	131	2.2737e-13	2.5013e+03	1.4211e-14	1.6282e+04	2.2737e-12	-1.0010e+05
749	488	-3.4106e-13	2.5035e+03	-1.0658e-14	1.3696e+04	9.0949e-13	8.8437e+04
	130	3.4106e-13	3.1928e+03	1.0658e-14	-1.3696e+04	-3.6380e-12	-1.9575e+05
750	156	3.1264e-13	5.7485e+03	3.0198e-14	-1.2068e+04	9.0949e-13	3.5462e+05
	474	-3.1264e-13	4.6117e+03	-3.0198e-14	1.2068e+04	-2.2737e-12	-1.7254e+05
751	155	-9.0949e-13	5.3877e+03	-2.6645e-14	3.4390e+02	1.8190e-12	3.1246e+05
	156	9.0949e-13	4.8964e+03	2.6645e-14	-3.4390e+02	-2.0464e-12	-2.3435e+05
752	154	5.6843e-14	5.3449e+03	8.8818e-15	2.1363e+00	1.1369e-12	3.0595e+05
	155	-5.6843e-14	4.9392e+03	-8.8818e-15	-2.1363e+00	-1.0232e-12	-2.4145e+05
753	153	3.6948e-13	5.1117e+03	1.4211e-14	-1.4960e+03	7.3896e-13	2.6631e+05
	154	-3.6948e-13	5.1724e+03	-1.4211e-14	1.4960e+03	-9.6634e-13	-2.7596e+05
754	151	-2.8422e-14	5.1141e+03	7.1054e-15	1.0436e+03	-2.3306e-12	2.6002e+05
	153	2.8422e-14	5.3964e+03	-7.1054e-15	-1.0436e+03	-1.3642e-12	-3.0589e+05
755	195	3.9790e-13	5.5933e+03	9.7700e-15	1.3433e+04	-1.1369e-13	3.4433e+05
	151	-3.9790e-13	4.7070e+03	-9.7700e-15	-1.3433e+04	1.5916e-12	-2.0320e+05
756	194	-1.9895e-13	5.1234e+03	7.1054e-15	8.4466e+02	-2.9559e-12	2.7672e+05
	195	1.9895e-13	4.9990e+03	-7.1054e-15	-8.4466e+02	2.2737e-13	-2.5727e+05
757	482	-2.8422e-14	4.5109e+03	-7.1054e-15	-3.6322e+03	1.3642e-12	1.7183e+05
	194	2.8422e-14	5.5586e+03	7.1054e-15	3.6322e+03	-1.3642e-12	-3.3494e+05
758	160	2.8422e-13	3.2995e+03	-1.4211e-14	3.4926e+04	-4.5475e-13	2.1436e+05
	475	-2.8422e-13	2.4412e+03	1.4211e-14	-3.4926e+04	6.8212e-13	-7.6880e+04
759	159	1.1369e-13	3.0212e+03	1.7764e-15	2.9855e+03	2.9559e-12	1.7802e+05
	160	-1.1369e-13	2.6774e+03	-1.7764e-15	-2.9855e+03	2.2737e-12	-1.2336e+05
760	158	-3.4106e-13	3.0173e+03	-2.6645e-14	1.4070e+03	1.7053e-12	1.8063e+05
	159	3.4106e-13	2.6812e+03	2.6645e-14	-1.4070e+03	7.9581e-13	-1.2719e+05
761	157	-6.2528e-13	2.8633e+03	-2.0650e-14	-3.7539e+02	-2.1032e-12	1.5063e+05
	158	6.2528e-13	2.8353e+03	2.0650e-14	3.7539e+02	3.3538e-12	-1.4618e+05
762	152	-1.4211e-13	2.9241e+03	-4.6629e-15	-7.2882e+02	2.2737e-13	1.5526e+05
	157	1.4211e-13	3.0881e+03	4.6629e-15	7.2882e+02	3.7517e-12	-1.8278e+05
763	150	-2.2737e-13	2.7149e+03	-2.6645e-14	1.6871e+04	3.6380e-12	1.3519e+05
	152	2.2737e-13	2.8044e+03	2.6645e-14	-1.6871e+04	2.5011e-12	-1.4896e+05
764	149	5.1159e-13	2.8860e+03	1.7764e-14	-2.3109e+03	-1.5916e-12	1.5783e+05
	150	-5.1159e-13	2.7230e+03	-1.7764e-14	2.3109e+03	-2.0464e-12	-1.3232e+05
765	483	3.6948e-13	2.9493e+03	-1.7764e-15	-5.5316e+04	1.5916e-12	1.6463e+05

	149	-3.6948e-13	2.6303e+03	1.7764e-15	5.5316e+04	2.7285e-12	-1.1499e+05
806	352	4.9098e+03	7.2513e+02	-7.2133e+02	-6.2395e+02	1.1025e+05	1.1580e+05
	468	-4.9098e+03	-7.2513e+02	7.2133e+02	6.2395e+02	1.2057e+05	1.1624e+05
807	334	1.0827e+04	-5.2950e+02	-8.9837e+02	-4.3447e+02	1.0328e+05	-8.3795e+04
	467	-1.0827e+04	5.2950e+02	8.9837e+02	4.3447e+02	1.8419e+05	-8.5646e+04
808	348	7.3361e+03	8.5808e+01	-1.0529e+02	-6.2395e+02	1.8772e+04	1.2181e+04
	461	-7.3361e+03	-8.5808e+01	1.0529e+02	6.2395e+02	1.4920e+04	1.5278e+04
809	349	3.4914e+03	2.1566e+01	-1.6956e+02	-4.3447e+02	2.3610e+04	3.6312e+03
	459	-3.4914e+03	-2.1566e+01	1.6956e+02	4.3447e+02	3.0649e+04	3.2699e+03
810	339	1.1133e+04	-6.5062e+00	-7.5186e+02	-4.3447e+02	7.9514e+04	1.4685e+03
	458	-1.1133e+04	6.5062e+00	7.5186e+02	4.3447e+02	1.6108e+05	-3.5504e+03
811	347	6.7489e+03	2.2135e+02	1.2854e+03	-6.2395e+02	-1.9164e+05	3.4688e+04
	456	-6.7489e+03	-2.2135e+02	-1.2854e+03	6.2395e+02	-2.1968e+05	3.6143e+04
812	350	1.0814e+04	9.9396e+02	-1.0585e+03	-6.2395e+02	1.6586e+05	1.3891e+05
	453	-1.0814e+04	-9.9396e+02	1.0585e+03	6.2395e+02	1.7287e+05	1.7916e+05
813	338	6.6899e+03	-1.1332e+03	-7.5289e+01	-6.2395e+02	1.2612e+04	-1.5456e+05
	452	-6.6899e+03	1.1332e+03	7.5289e+01	6.2395e+02	1.1480e+04	-2.0806e+05
814	378	1.2468e+04	-3.6232e+02	-1.6342e+02	-6.2395e+02	1.5420e+04	-5.2199e+04
	449	-1.2468e+04	3.6232e+02	1.6342e+02	6.2395e+02	3.6875e+04	-6.3745e+04
815	354	3.5647e+03	-3.5169e+02	3.7613e+02	-6.2395e+02	-5.3571e+04	-4.9353e+04
	448	-3.5647e+03	3.5169e+02	-3.7613e+02	6.2395e+02	-6.6791e+04	-6.3189e+04
816	384	1.4406e+04	9.3117e+02	1.1367e+02	-6.2395e+02	-2.2282e+04	1.3826e+05
	447	-1.4406e+04	-9.3117e+02	-1.1367e+02	6.2395e+02	-1.4092e+04	1.5971e+05
817	362	8.8332e+03	7.5769e+02	-4.1202e+02	-6.2395e+02	6.1742e+04	1.1342e+05
	445	-8.8332e+03	-7.5769e+02	4.1202e+02	6.2395e+02	7.0104e+04	1.2904e+05
818	366	8.3201e+02	4.4950e+01	-6.9415e+01	-4.3447e+02	8.5513e+03	6.8573e+03
	444	-8.3201e+02	-4.4950e+01	6.9415e+01	4.3447e+02	1.3662e+04	7.5267e+03
819	370	2.2192e+03	1.9884e+02	-5.3553e+00	-4.3447e+02	-6.0851e+03	2.7739e+04
	443	-2.2192e+03	-1.9884e+02	5.3553e+00	4.3447e+02	7.7988e+03	3.5891e+04
820	363	5.6132e+03	-1.3063e+03	-2.5656e+02	-5.2873e+02	3.8867e+04	-1.9201e+05
	442	-5.6132e+03	1.3063e+03	2.5656e+02	5.2873e+02	4.3231e+04	-2.2600e+05
821	367	3.3212e+03	-5.1273e+01	-1.7846e+02	-4.3447e+02	2.3755e+04	-8.3120e+03
	441	-3.3212e+03	5.1273e+01	1.7846e+02	4.3447e+02	3.3354e+04	-8.0952e+03
822	361	8.3283e+03	-8.0412e+02	7.5653e+02	-6.2395e+02	-7.6260e+04	-9.5668e+04
	440	-8.3283e+03	8.0412e+02	-7.5653e+02	6.2395e+02	-1.6583e+05	-1.6165e+05
823	355	2.6339e+03	5.5703e+02	-8.1778e+01	-4.3447e+02	1.2502e+04	8.5272e+04
	439	-2.6339e+03	-5.5703e+02	8.1778e+01	4.3447e+02	1.3667e+04	9.2977e+04
824	371	2.1636e+03	-1.5469e+02	2.9102e+01	-4.3447e+02	-1.0682e+04	-2.2288e+04
	438	-2.1636e+03	1.5469e+02	-2.9102e+01	4.3447e+02	1.3699e+03	-2.7213e+04
825	376	8.2260e+03	8.1683e+02	6.8037e+02	-6.2395e+02	-6.4597e+04	9.5321e+04
	436	-8.2260e+03	-8.1683e+02	-6.8037e+02	6.2395e+02	-1.5312e+05	1.6606e+05
826	382	1.2213e+04	6.8077e+02	-7.1482e+02	-6.2395e+02	6.1918e+04	1.0079e+05
	435	-1.2213e+04	-6.8077e+02	7.1482e+02	6.2395e+02	1.6683e+05	1.1705e+05
827	385	8.1259e+03	-6.2052e+02	2.2211e+03	-6.2395e+02	-3.2906e+05	-8.6739e+04
	434	-8.1259e+03	6.2052e+02	-2.2211e+03	6.2395e+02	-3.8168e+05	-1.1183e+05
828	386	6.9954e+03	6.8966e+02	2.0193e+03	-6.2395e+02	-2.9043e+05	1.0067e+05
	433	-6.9954e+03	-6.8966e+02	-2.0193e+03	6.2395e+02	-3.5576e+05	1.2002e+05
829	353	4.1395e+03	1.0863e+02	-1.9597e+02	-6.2395e+02	2.8150e+04	1.6666e+04
	432	-4.1395e+03	-1.0863e+02	1.9597e+02	6.2395e+02	3.4560e+04	1.8097e+04
830	373	9.0837e+03	1.6701e+01	6.1382e+02	-6.2395e+02	-6.4939e+04	2.2537e+03

	431	-9.0837e+03	-1.6701e+01	-6.1382e+02	6.2395e+02	-1.3148e+05	3.0907e+03
831	364	1.1121e+04	-1.8830e+02	-1.7969e+02	-6.2395e+02	1.8060e+04	-2.9042e+04
	429	-1.1121e+04	1.8830e+02	1.7969e+02	6.2395e+02	3.9440e+04	-3.1215e+04
832	356	7.3242e+03	-1.1117e+02	-2.4719e+02	-6.2395e+02	3.5404e+04	-1.6558e+04
	424	-7.3242e+03	1.1117e+02	2.4719e+02	6.2395e+02	4.3698e+04	-1.9015e+04
833	368	3.3108e+03	-4.9391e+02	-4.0135e+02	-4.3447e+02	5.9231e+04	-7.6092e+04
	423	-3.3108e+03	4.9391e+02	4.0135e+02	4.3447e+02	6.9201e+04	-8.1960e+04
834	375	8.6846e+03	-5.4186e+02	3.9734e+02	-6.2395e+02	-5.4013e+04	-7.3367e+04
	422	-8.6846e+03	5.4186e+02	-3.9734e+02	6.2395e+02	-7.3135e+04	-1.0003e+05
835	381	7.8013e+03	8.3771e+01	2.0963e+02	-6.2395e+02	-2.5621e+04	1.2420e+04
	420	-7.8013e+03	-8.3771e+01	-2.0963e+02	6.2395e+02	-4.1462e+04	1.4387e+04
836	380	3.1395e+03	1.2886e+02	8.2974e+01	-4.3447e+02	-1.3507e+04	1.9109e+04
	419	-3.1395e+03	-1.2886e+02	-8.2974e+01	4.3447e+02	-1.3045e+04	2.2128e+04
837	383	7.2603e+02	1.7813e+01	5.3921e-01	-4.3447e+02	-5.4367e+03	2.7533e+03
	417	-7.2603e+02	-1.7813e+01	-5.3921e-01	4.3447e+02	5.2642e+03	2.9469e+03
838	323	1.6543e+04	5.0603e+02	1.4691e+03	-5.4862e+02	-2.3794e+05	7.8679e+04
	386	-1.6543e+04	-5.0603e+02	-1.4691e+03	5.4862e+02	-2.3216e+05	8.3250e+04
839	329	1.9087e+04	-3.9164e+02	1.7599e+03	-5.4862e+02	-2.8287e+05	-6.3878e+04
	385	-1.9087e+04	3.9164e+02	-1.7599e+03	5.4862e+02	-2.8030e+05	-6.1446e+04
840	333	3.0050e+04	7.4592e+02	1.7333e+02	-5.4862e+02	-2.6973e+04	1.1876e+05
	384	-3.0050e+04	-7.4592e+02	-1.7333e+02	5.4862e+02	-2.8492e+04	1.1994e+05
841	331	6.2497e+03	2.5035e+01	4.1079e+01	-3.8202e+02	-3.2259e+03	3.6858e+03
	383	-6.2497e+03	-2.5035e+01	-4.1079e+01	3.8202e+02	-9.9194e+03	4.3254e+03
842	325	2.2012e+04	5.4655e+02	9.7314e+01	-5.4862e+02	-6.9762e+03	8.7141e+04
	382	-2.2012e+04	-5.4655e+02	-9.7314e+01	5.4862e+02	-2.4164e+04	8.7754e+04
843	318	1.5976e+04	9.5785e+01	9.4153e+01	-5.4862e+02	-1.6214e+04	1.5585e+04
	381	-1.5976e+04	-9.5785e+01	-9.4153e+01	5.4862e+02	-1.3914e+04	1.5066e+04
844	317	8.5135e+03	1.2862e+02	5.9257e+01	-3.8202e+02	-7.5736e+03	2.1260e+04
	380	-8.5135e+03	-1.2862e+02	-5.9257e+01	3.8202e+02	-1.1388e+04	1.9900e+04
845	332	2.5580e+04	-2.2908e+02	-2.3714e+00	-5.4862e+02	2.3631e+03	-3.5761e+04
	378	-2.5580e+04	2.2908e+02	2.3714e+00	5.4862e+02	-1.6042e+03	-3.7545e+04
846	322	1.4850e+04	3.1126e+02	-1.0557e+01	-5.4862e+02	-4.5785e+03	5.5227e+04
	376	-1.4850e+04	-3.1126e+02	1.0557e+01	5.4862e+02	7.9566e+03	4.4376e+04
847	328	1.7531e+04	-3.1197e+02	2.4057e+02	-5.4862e+02	-3.9489e+04	-5.1670e+04
	375	-1.7531e+04	3.1197e+02	-2.4057e+02	5.4862e+02	-3.7494e+04	-4.8161e+04
848	327	1.4351e+04	2.1841e+01	7.3918e+01	-5.4862e+02	-1.5441e+04	2.8004e+03
	373	-1.4351e+04	-2.1841e+01	-7.3918e+01	5.4862e+02	-8.2125e+03	4.1888e+03
849	319	7.6785e+03	-1.0315e+02	7.9872e+01	-3.8202e+02	-9.4047e+03	-1.6931e+04
	371	-7.6785e+03	1.0315e+02	-7.9872e+01	3.8202e+02	-1.6154e+04	-1.6078e+04
850	324	7.6465e+03	1.4002e+02	6.2287e+01	-3.8202e+02	-6.4131e+03	2.2408e+04
	370	-7.6465e+03	-1.4002e+02	-6.2287e+01	3.8202e+02	-1.3519e+04	2.2398e+04
851	302	8.2822e+03	-4.3034e+02	-3.0946e+02	-3.8202e+02	4.9516e+04	-6.8350e+04
	368	-8.2822e+03	4.3034e+02	3.0946e+02	3.8202e+02	4.9512e+04	-6.9359e+04
852	307	8.6966e+03	-3.0549e+01	-8.8353e+01	-3.8202e+02	1.4414e+04	-3.7112e+03
	367	-8.6966e+03	3.0549e+01	8.8353e+01	3.8202e+02	1.3859e+04	-6.0644e+03
853	314	1.7247e+03	4.2854e+01	-3.2300e+01	-3.8202e+02	5.8154e+03	6.9968e+03
	366	-1.7247e+03	-4.2854e+01	3.2300e+01	3.8202e+02	4.5205e+03	6.7164e+03
854	298	2.2626e+04	-1.2074e+02	-2.3874e+01	-5.4862e+02	6.5059e+03	-1.7448e+04
	364	-2.2626e+04	1.2074e+02	2.3874e+01	5.4862e+02	1.1338e+03	-2.1189e+04
855	309	1.2208e+04	-9.9807e+02	-2.0898e+02	-4.6489e+02	3.3562e+04	-1.6009e+05

	363	-1.2208e+04	9.9807e+02	2.0898e+02	4.6489e+02	3.3312e+04	-1.5929e+05
856	306	1.9144e+04	5.7725e+02	-3.4409e+02	-5.4862e+02	5.5338e+04	8.9128e+04
	362	-1.9144e+04	-5.7725e+02	3.4409e+02	5.4862e+02	5.4772e+04	9.5592e+04
857	315	1.5087e+04	-3.0118e+02	4.8879e+01	-5.4862e+02	-1.3927e+04	-5.4189e+04
	361	-1.5087e+04	3.0118e+02	-4.8879e+01	5.4862e+02	-1.7148e+03	-4.2190e+04
858	311	1.5425e+04	-6.3513e+01	-1.5626e+02	-5.4862e+02	2.4679e+04	-9.0445e+03
	356	-1.5425e+04	6.3513e+01	1.5626e+02	5.4862e+02	2.5325e+04	-1.1280e+04
859	303	6.5972e+03	4.8536e+02	-9.2738e+01	-3.8202e+02	1.6222e+04	7.7466e+04
	355	-6.5972e+03	-4.8536e+02	9.2738e+01	3.8202e+02	1.3454e+04	7.7850e+04
860	310	9.7567e+03	-2.0612e+02	2.2524e+02	-5.4862e+02	-3.4408e+04	-3.3273e+04
	354	-9.7567e+03	2.0612e+02	-2.2524e+02	5.4862e+02	-3.7668e+04	-3.2687e+04
861	313	5.4709e+03	8.0709e+01	-1.3185e+02	-5.4862e+02	2.0611e+04	1.1899e+04
	353	-5.4709e+03	-8.0709e+01	1.3185e+02	5.4862e+02	2.1581e+04	1.3928e+04
862	308	1.0426e+04	7.0651e+02	-5.7438e+02	-5.4862e+02	8.8970e+04	1.1205e+05
	352	-1.0426e+04	-7.0651e+02	5.7438e+02	5.4862e+02	9.4833e+04	1.1403e+05
863	301	2.2080e+04	6.8867e+02	-9.4030e+02	-5.4862e+02	1.4743e+05	1.1273e+05
	350	-2.2080e+04	-6.8867e+02	9.4030e+02	5.4862e+02	1.5347e+05	1.0765e+05
864	300	9.1219e+03	1.7744e+01	-1.0617e+02	-3.8202e+02	1.7349e+04	2.3683e+03
	349	-9.1219e+03	-1.7744e+01	1.0617e+02	3.8202e+02	1.6625e+04	3.3096e+03
865	312	1.5582e+04	4.6532e+01	-1.0812e+02	-5.4862e+02	1.5895e+04	6.4313e+03
	348	-1.5582e+04	-4.6532e+01	1.0812e+02	5.4862e+02	1.8703e+04	8.4588e+03
866	316	1.4788e+04	2.0820e+02	1.0415e+03	-5.4862e+02	-1.6775e+05	3.3018e+04
	347	-1.4788e+04	-2.0820e+02	-1.0415e+03	5.4862e+02	-1.6553e+05	3.3605e+04
867	304	1.5596e+04	3.9657e+01	-4.8673e+01	-3.8202e+02	1.0481e+04	5.9510e+03
	339	-1.5596e+04	-3.9657e+01	4.8673e+01	3.8202e+02	5.0942e+03	6.7392e+03
868	305	1.4506e+04	-6.7921e+02	-5.9936e+01	-5.4862e+02	8.2139e+03	-1.1014e+05
	338	-1.4506e+04	6.7921e+02	5.9936e+01	5.4862e+02	1.0966e+04	-1.0721e+05
869	299	1.7260e+04	-4.9455e+02	-2.0374e+02	-3.8202e+02	3.5339e+04	-7.8558e+04
	334	-1.7260e+04	4.9455e+02	2.0374e+02	3.8202e+02	2.9858e+04	-7.9697e+04
870	265	4.6127e+04	7.3494e+02	1.1414e+02	-4.1430e+02	-1.6359e+04	1.1637e+05
	333	-4.6127e+04	-7.3494e+02	-1.1414e+02	4.1430e+02	-2.0165e+04	1.1882e+05
871	264	3.8662e+04	-1.3471e+02	-2.0851e+01	-4.1430e+02	1.9998e+03	-1.8315e+04
	332	-3.8662e+04	1.3471e+02	2.0851e+01	4.1430e+02	4.6724e+03	-2.4794e+04
872	238	1.1579e+04	4.2840e+01	7.0167e+01	-2.8849e+02	-1.6119e+04	6.8745e+03
	331	-1.1579e+04	-4.2840e+01	-7.0167e+01	2.8849e+02	-6.3350e+03	6.8343e+03
873	234	3.0175e+04	-3.9524e+02	2.0415e+03	-4.1430e+02	-3.4125e+05	-6.4736e+04
	329	-3.0175e+04	3.9524e+02	-2.0415e+03	4.1430e+02	-3.1203e+05	-6.1741e+04
874	242	2.6567e+04	-4.1362e+02	1.8494e+02	-4.1430e+02	-2.5923e+04	-7.2333e+04
	328	-2.6567e+04	4.1362e+02	-1.8494e+02	4.1430e+02	-3.3259e+04	-6.0026e+04
875	240	1.9666e+04	2.5960e+01	7.3612e+01	-4.1430e+02	-8.0979e+03	2.9118e+03
	327	-1.9666e+04	-2.5960e+01	-7.3612e+01	4.1430e+02	-1.5458e+04	5.3954e+03
876	233	3.1846e+04	5.4225e+02	-2.4198e+01	-4.1430e+02	2.1455e+03	8.5628e+04
	325	-3.1846e+04	-5.4225e+02	2.4198e+01	4.1430e+02	5.5979e+03	8.7892e+04
877	244	1.2877e+04	1.4615e+02	8.6388e+01	-2.8849e+02	-1.8487e+04	2.2433e+04
	324	-1.2877e+04	-1.4615e+02	-8.6388e+01	2.8849e+02	-9.1572e+03	2.4335e+04
878	235	2.6335e+04	4.4874e+02	1.8561e+03	-4.1430e+02	-3.1591e+05	6.8340e+04
	323	-2.6335e+04	-4.4874e+02	-1.8561e+03	4.1430e+02	-2.7803e+05	7.5257e+04
879	245	2.1654e+04	4.2051e+02	2.8146e+01	-4.1430e+02	-9.2872e+01	6.5855e+04
	322	-2.1654e+04	-4.2051e+02	-2.8146e+01	4.1430e+02	-8.9137e+03	6.8707e+04
880	239	1.3026e+04	-1.0871e+02	1.1081e+02	-2.8849e+02	-2.2911e+04	-1.8560e+04

	319	-1.3026e+04	1.0871e+02	-1.1081e+02	2.8849e+02	-1.2548e+04	-1.6228e+04
881	241	2.4349e+04	1.2365e+02	5.9067e+01	-4.1430e+02	-5.9378e+03	1.8929e+04
	318	-2.4349e+04	-1.2365e+02	-5.9067e+01	4.1430e+02	-1.2964e+04	2.0638e+04
882	236	1.3942e+04	1.7698e+02	9.3185e+01	-2.8849e+02	-1.8303e+04	2.9027e+04
	317	-1.3942e+04	-1.7698e+02	-9.3185e+01	2.8849e+02	-1.1516e+04	2.7605e+04
883	243	2.2905e+04	1.7452e+02	1.1496e+03	-4.1430e+02	-1.9158e+05	2.5959e+04
	316	-2.2905e+04	-1.7452e+02	-1.1496e+03	4.1430e+02	-1.7628e+05	2.9888e+04
884	246	2.2005e+04	-4.1842e+02	7.6260e+01	-4.1430e+02	-7.7396e+03	-6.9734e+04
	315	-2.2005e+04	4.1842e+02	-7.6260e+01	4.1430e+02	-1.6663e+04	-6.4159e+04
885	251	2.4558e+03	5.6539e+01	-4.6238e+01	-2.8849e+02	7.3874e+03	9.6937e+03
	314	-2.4558e+03	-5.6539e+01	4.6238e+01	2.8849e+02	7.4088e+03	8.3988e+03
886	253	6.7187e+03	5.1419e+01	-1.3082e+02	-4.1430e+02	2.0600e+04	7.6472e+03
	313	-6.7187e+03	-5.1419e+01	1.3082e+02	4.1430e+02	2.1262e+04	8.8067e+03
887	261	2.3932e+04	2.3346e+01	-7.1430e+01	-4.1430e+02	1.1085e+04	3.1584e+03
	312	-2.3932e+04	-2.3346e+01	7.1430e+01	4.1430e+02	1.1772e+04	4.3122e+03
888	257	2.3697e+04	-4.4782e+01	-1.3309e+02	-4.1430e+02	2.0807e+04	-7.5067e+03
	311	-2.3697e+04	4.4782e+01	1.3309e+02	4.1430e+02	2.1780e+04	-6.8234e+03
889	247	1.5647e+04	-1.6943e+02	3.2025e+02	-4.1430e+02	-5.8410e+04	-2.7253e+04
	310	-1.5647e+04	1.6943e+02	-3.2025e+02	4.1430e+02	-4.4070e+04	-2.6964e+04
890	248	1.8683e+04	-9.1156e+02	-2.0471e+02	-3.5107e+02	3.2982e+04	-1.4149e+05
	309	-1.8683e+04	9.1156e+02	2.0471e+02	3.5107e+02	3.2524e+04	-1.5021e+05
891	255	1.5503e+04	7.0381e+02	-4.3196e+02	-4.1430e+02	6.3722e+04	1.1350e+05
	308	-1.5503e+04	-7.0381e+02	4.3196e+02	4.1430e+02	7.4506e+04	1.1171e+05
892	256	1.4078e+04	-4.1107e-01	-6.4338e+01	-2.8849e+02	9.0707e+03	4.5564e+02
	307	-1.4078e+04	4.1107e-01	6.4338e+01	2.8849e+02	1.1517e+04	-5.8718e+02
893	258	2.9253e+04	4.5536e+02	-4.0407e+02	-4.1430e+02	6.6875e+04	6.8012e+04
	306	-2.9253e+04	-4.5536e+02	4.0407e+02	4.1430e+02	6.2428e+04	7.7703e+04
894	260	2.2773e+04	-6.2358e+02	-1.5036e+01	-4.1430e+02	9.7742e+02	-9.5447e+04
	305	-2.2773e+04	6.2358e+02	1.5036e+01	4.1430e+02	3.8341e+03	-1.0410e+05
895	262	2.0825e+04	2.4280e+01	-4.1546e+01	-2.8849e+02	3.6049e+03	2.8156e+03
	304	-2.0825e+04	-2.4280e+01	4.1546e+01	2.8849e+02	9.6899e+03	4.9539e+03
896	250	1.0909e+04	4.4411e+02	-1.5628e+02	-2.8849e+02	2.7122e+04	6.8996e+04
	303	-1.0909e+04	-4.4411e+02	1.5628e+02	2.8849e+02	2.2889e+04	7.3118e+04
897	254	1.3264e+04	-4.1031e+02	-2.9104e+02	-2.8849e+02	4.5275e+04	-6.5015e+04
	302	-1.3264e+04	4.1031e+02	2.9104e+02	2.8849e+02	4.7859e+04	-6.6283e+04
898	259	3.3921e+04	7.7976e+02	-8.1882e+02	-4.1430e+02	1.2686e+05	1.2708e+05
	301	-3.3921e+04	-7.7976e+02	8.1882e+02	4.1430e+02	1.3517e+05	1.2244e+05
899	252	1.4701e+04	5.2882e+00	-8.9102e+01	-2.8849e+02	1.3165e+04	6.5796e+02
	300	-1.4701e+04	-5.2882e+00	8.9102e+01	2.8849e+02	1.5347e+04	1.0342e+03
900	263	2.4415e+04	-4.5208e+02	-1.8048e+02	-2.8849e+02	2.4748e+04	-7.1164e+04
	299	-2.4415e+04	4.5208e+02	1.8048e+02	2.8849e+02	3.3006e+04	-7.3500e+04
901	249	3.4466e+04	-4.1776e+01	-5.7738e+01	-4.1430e+02	8.8484e+03	-5.2923e+03
	298	-3.4466e+04	4.1776e+01	5.7738e+01	4.1430e+02	9.6277e+03	-8.0761e+03
902	142	6.3011e+04	4.2853e+02	7.2751e+01	-9.3214e+01	-1.3365e+04	5.2468e+04
	265	-6.3011e+04	-4.2853e+02	-7.2751e+01	9.3214e+01	-1.0570e+04	8.8519e+04
903	143	5.1687e+04	-3.7335e+01	-3.9748e+01	-9.3214e+01	7.9034e+03	-7.7150e+03
	264	-5.1687e+04	3.7335e+01	3.9748e+01	9.3214e+01	5.1738e+03	-4.5684e+03
904	144	3.2223e+04	-2.8646e+02	-7.0628e+01	-6.4907e+01	9.5657e+03	-4.2066e+04
	263	-3.2223e+04	2.8646e+02	7.0628e+01	6.4907e+01	1.3671e+04	-5.2178e+04
905	145	2.6550e+04	1.3373e+02	1.8068e+01	-6.4907e+01	-3.3082e+03	2.7452e+04

	262	-2.6550e+04	-1.3373e+02	-1.8068e+01	6.4907e+01	-2.6361e+03	1.6546e+04
906	138	3.2429e+04	-4.9109e+01	-3.4119e+01	-9.3214e+01	4.4350e+03	-1.3175e+04
	261	-3.2429e+04	4.9109e+01	3.4119e+01	9.3214e+01	6.7903e+03	-2.9821e+03
907	140	3.1680e+04	-3.5312e+02	3.8662e+01	-9.3214e+01	-8.9828e+03	-5.0021e+04
	260	-3.1680e+04	3.5312e+02	-3.8662e+01	9.3214e+01	-3.7369e+03	-6.6155e+04
908	139	4.6595e+04	4.4138e+02	-3.7849e+02	-9.3214e+01	4.2577e+04	5.1542e+04
	259	-4.6595e+04	-4.4138e+02	3.7849e+02	9.3214e+01	8.1947e+04	9.3671e+04
909	141	3.8955e+04	2.2430e+02	-1.9394e+02	-9.3214e+01	1.7198e+04	2.5927e+04
	258	-3.8955e+04	-2.2430e+02	1.9394e+02	9.3214e+01	4.6607e+04	4.7868e+04
910	137	3.2111e+04	7.6873e+01	-7.9128e+01	-9.3214e+01	1.1698e+04	1.8352e+04
	257	-3.2111e+04	-7.6873e+01	7.9128e+01	9.3214e+01	1.4335e+04	6.9387e+03
911	136	1.9428e+04	5.2735e+01	-9.5677e+01	-6.4907e+01	1.9538e+04	1.0805e+04
	256	-1.9428e+04	-5.2735e+01	9.5677e+01	6.4907e+01	1.1940e+04	6.5450e+03
912	131	1.9923e+04	3.9112e+02	-2.3320e+02	-9.3214e+01	3.2230e+04	4.6715e+04
	255	-1.9923e+04	-3.9112e+02	2.3320e+02	9.3214e+01	4.4494e+04	8.1964e+04
913	132	1.8345e+04	-2.7144e+02	-2.5911e+02	-6.4907e+01	4.2114e+04	-3.8978e+04
	254	-1.8345e+04	2.7144e+02	2.5911e+02	6.4907e+01	4.3135e+04	-5.0326e+04
914	130	7.5918e+03	3.3984e+01	6.4805e+01	-9.3214e+01	-2.2877e+04	4.5568e+03
	253	-7.5918e+03	-3.3984e+01	-6.4805e+01	9.3214e+01	1.5564e+03	6.6241e+03
915	135	2.0221e+04	-1.1523e+01	-1.2732e+02	-6.4907e+01	2.4697e+04	-3.0306e+03
	252	-2.0221e+04	1.1523e+01	1.2732e+02	6.4907e+01	1.7191e+04	-7.6041e+02
916	133	2.9428e+03	3.8730e+01	-3.8771e+01	-6.4907e+01	5.6481e+03	4.5182e+03
	251	-2.9428e+03	-3.8730e+01	3.8771e+01	6.4907e+01	7.1076e+03	8.2239e+03
917	134	1.5860e+04	3.6976e+02	-2.4925e+02	-6.4907e+01	4.4521e+04	5.9544e+04
	250	-1.5860e+04	-3.6976e+02	2.4925e+02	6.4907e+01	3.7482e+04	6.2108e+04
918	147	4.6660e+04	5.4250e+01	-2.4019e+01	-9.3214e+01	3.4478e+03	9.3446e+03
	249	-4.6660e+04	-5.4250e+01	2.4019e+01	9.3214e+01	4.4544e+03	8.5038e+03
919	148	2.5084e+04	-8.5304e+02	-7.5796e+01	-7.8988e+01	6.8093e+03	-1.4658e+05
	248	-2.5084e+04	8.5304e+02	7.5796e+01	7.8988e+01	1.8127e+04	-1.3407e+05
920	152	2.0963e+04	-8.3770e+00	-3.8475e+02	-9.3214e+01	1.0768e+05	8.6824e+02
	247	-2.0963e+04	8.3770e+00	3.8475e+02	9.3214e+01	1.8905e+04	-3.6243e+03
921	153	2.9079e+04	-1.2083e+02	1.6059e+02	-9.3214e+01	-3.6273e+04	-7.1023e+03
	246	-2.9079e+04	1.2083e+02	-1.6059e+02	9.3214e+01	-1.6561e+04	-3.2651e+04
922	155	2.8632e+04	2.7809e+02	1.2470e+02	-9.3214e+01	-2.9922e+04	3.4213e+04
	245	-2.8632e+04	-2.7809e+02	-1.2470e+02	9.3214e+01	-1.1104e+04	5.7277e+04
923	159	1.7919e+04	1.3347e+02	-3.8702e+02	-6.4907e+01	9.4713e+04	1.9155e+04
	244	-1.7919e+04	-1.3347e+02	3.8702e+02	6.4907e+01	3.2615e+04	2.4755e+04
924	161	3.1195e+04	3.3105e+02	2.0253e+02	-9.3214e+01	1.8741e+04	6.4337e+04
	243	-3.1195e+04	-3.3105e+02	-2.0253e+02	9.3214e+01	-8.5374e+04	4.4579e+04
925	151	3.6058e+04	-6.5950e+01	2.0199e+02	-9.3214e+01	-3.9349e+04	8.1123e+03
	242	-3.6058e+04	6.5950e+01	-2.0199e+02	9.3214e+01	-2.7105e+04	-2.9810e+04
926	156	3.2997e+04	1.8260e+02	1.5461e+02	-9.3214e+01	-3.3536e+04	2.8727e+04
	241	-3.2997e+04	-1.8260e+02	-1.5461e+02	9.3214e+01	-1.7331e+04	3.1350e+04
927	154	2.5111e+04	3.8264e+01	1.4958e+02	-9.3214e+01	-3.2756e+04	2.3704e+03
	240	-2.5111e+04	-3.8264e+01	-1.4958e+02	9.3214e+01	-1.6454e+04	1.0219e+04
928	157	1.8201e+04	3.0619e+00	-3.8843e+02	-6.4907e+01	9.6072e+04	4.2249e+03
	239	-1.8201e+04	-3.0619e+00	3.8843e+02	6.4907e+01	3.1723e+04	-3.2176e+03
929	158	1.6659e+04	1.4887e+01	-4.1245e+02	-6.4907e+01	9.9306e+04	-2.4685e+03
	238	-1.6659e+04	-1.4887e+01	4.1245e+02	6.4907e+01	3.6390e+04	7.3661e+03
930	160	1.9277e+04	1.5361e+02	-3.5567e+02	-6.4907e+01	8.7302e+04	2.0338e+04

	236	-1.9277e+04	-1.5361e+02	3.5567e+02	6.4907e+01	2.9714e+04	3.0201e+04
931	149	3.6208e+04	2.9857e+02	2.2234e+02	-9.3214e+01	6.5742e+04	3.8402e+04
	235	-3.6208e+04	-2.9857e+02	-2.2234e+02	9.3214e+01	-1.3889e+05	5.9827e+04
932	150	4.1279e+04	-1.4742e+02	2.4038e+02	-9.3214e+01	6.7838e+04	-1.6336e+04
	234	-4.1279e+04	1.4742e+02	-2.4038e+02	9.3214e+01	-1.4692e+05	-3.2166e+04
933	146	4.1699e+04	2.7080e+02	5.6201e+00	-9.3214e+01	-4.7783e+02	2.7883e+04
	233	-4.1699e+04	-2.7080e+02	-5.6201e+00	9.3214e+01	-1.3712e+03	6.1210e+04
934	127	1.2480e+04	5.6350e+02	-6.6152e+02	-9.9608e+01	1.3909e+05	1.1121e+05
	195	-1.0892e+04	-5.6350e+02	6.6152e+02	9.9608e+01	7.9217e+04	7.4748e+04
935	126	1.2529e+04	-3.7494e+02	-6.7116e+02	-9.9608e+01	1.3925e+05	-7.4400e+04
	194	-1.0941e+04	3.7494e+02	6.7116e+02	9.9608e+01	8.2229e+04	-4.9331e+04
936	51	3.6597e+04	6.8351e+02	-6.6822e+02	-9.9608e+01	3.8677e+04	1.4675e+05
	160	-3.5009e+04	-6.8351e+02	6.6822e+02	9.9608e+01	1.8184e+05	7.8811e+04
937	50	3.4949e+04	4.0275e+02	-8.1062e+02	-9.9608e+01	6.1404e+04	8.0964e+04
	159	-3.3361e+04	-4.0275e+02	8.1062e+02	9.9608e+01	2.0610e+05	5.1944e+04
938	49	3.3872e+04	3.6603e+02	-8.7476e+02	-9.9608e+01	7.1537e+04	9.9509e+04
	158	-3.2284e+04	-3.6603e+02	8.7476e+02	9.9608e+01	2.1713e+05	2.1280e+04
939	48	3.5624e+04	-4.5102e+02	-8.2180e+02	-9.9608e+01	6.1085e+04	-1.0733e+05
	157	-3.4036e+04	4.5102e+02	8.2180e+02	9.9608e+01	2.1011e+05	-4.1510e+04
940	47	4.3196e+04	7.5119e+02	-2.2702e+02	-9.9608e+01	7.6108e+04	1.5915e+05
	156	-4.1608e+04	-7.5119e+02	2.2702e+02	9.9608e+01	-1.1915e+03	8.8747e+04
941	46	3.8632e+04	3.5150e+02	-2.1286e+02	-9.9608e+01	7.2247e+04	7.7016e+04
	155	-3.7044e+04	-3.5150e+02	2.1286e+02	9.9608e+01	-2.0030e+03	3.8978e+04
942	45	3.5378e+04	3.5983e+02	-1.8577e+02	-9.9608e+01	6.6391e+04	8.8589e+04
	154	-3.3790e+04	-3.5983e+02	1.8577e+02	9.9608e+01	-5.0872e+03	3.0156e+04
943	44	3.9265e+04	-3.9551e+02	-1.4888e+02	-9.9608e+01	6.2176e+04	-9.1953e+04
	153	-3.7677e+04	3.9551e+02	1.4888e+02	9.9608e+01	-1.3045e+04	-3.8565e+04
944	43	3.8141e+04	-2.8868e+01	-8.0991e+02	-9.9608e+01	6.0917e+04	-3.8551e+03
	152	-3.6553e+04	2.8868e+01	8.0991e+02	9.9608e+01	2.0635e+05	-5.6712e+03
945	42	4.5524e+04	2.7205e+02	-1.9570e+02	-9.9608e+01	6.9987e+04	4.2862e+04
	151	-4.3936e+04	-2.7205e+02	1.9570e+02	9.9608e+01	-5.4043e+03	4.6913e+04
946	41	5.5919e+04	1.4987e+02	-1.4994e+03	-9.9608e+01	1.6473e+05	3.9804e+04
	150	-5.4331e+04	-1.4987e+02	1.4994e+03	9.9608e+01	3.3008e+05	9.6532e+03
947	40	5.0934e+04	-1.9988e+02	-1.5213e+03	-9.9608e+01	1.7656e+05	-4.9544e+04
	149	-4.9346e+04	1.9988e+02	1.5213e+03	9.9608e+01	3.2548e+05	-1.6417e+04
948	39	3.3771e+04	-5.2677e+02	-3.0054e+02	-9.9608e+01	6.6056e+04	5.0854e+03
	148	-3.2183e+04	5.2677e+02	3.0054e+02	9.9608e+01	3.3121e+04	-1.7892e+05
949	38	6.2971e+04	2.5704e+02	-2.5678e+02	-9.9608e+01	5.2068e+04	5.7813e+04
	147	-6.1383e+04	-2.5704e+02	2.5678e+02	9.9608e+01	3.2669e+04	2.7009e+04
950	37	5.8108e+04	1.6517e+01	-1.2955e+02	-9.9608e+01	2.5033e+04	1.1063e+04
	146	-5.6520e+04	-1.6517e+01	1.2955e+02	9.9608e+01	1.7718e+04	-5.6127e+03
951	36	4.1169e+04	2.6708e+01	2.7491e+02	-9.9608e+01	-6.1475e+04	-2.7639e+04
	145	-3.9581e+04	-2.6708e+01	-2.7491e+02	9.9608e+01	-2.9247e+04	3.6453e+04
952	35	4.6188e+04	-2.6745e+02	2.7615e+02	-9.9608e+01	-6.8897e+04	-2.0094e+04
	144	-4.4600e+04	2.6745e+02	-2.7615e+02	9.9608e+01	-2.2232e+04	-6.8163e+04
953	34	6.7915e+04	6.7690e+02	1.3474e+02	-9.9608e+01	-3.9785e+04	1.6301e+05
	143	-6.6327e+04	-6.7690e+02	-1.3474e+02	9.9608e+01	-4.6805e+03	6.0362e+04
954	33	7.8681e+04	2.5473e+02	-5.2687e+01	-9.9608e+01	1.7408e+04	5.2320e+04
	142	-7.7093e+04	-2.5473e+02	5.2687e+01	9.9608e+01	-2.1035e+01	3.1741e+04
955	32	5.5289e+04	-1.3761e+02	-6.4532e+01	-9.9608e+01	1.7145e+04	-2.8056e+04

	141	-5.3701e+04	1.3761e+02	6.4532e+01	9.9608e+01	4.1505e+03	-1.7354e+04
956	31	4.4069e+04	-1.7332e+02	-2.4065e+01	-9.9608e+01	9.9703e+03	-1.3431e+04
	140	-4.2481e+04	1.7332e+02	2.4065e+01	9.9608e+01	-2.0289e+03	-4.3764e+04
957	30	5.7688e+04	6.2960e+02	1.0772e+02	-9.9608e+01	-3.0221e+04	1.4007e+05
	139	-5.6099e+04	-6.2960e+02	-1.0772e+02	9.9608e+01	-5.3267e+03	6.7696e+04
958	29	4.4719e+04	3.9243e+01	5.8328e+01	-9.9608e+01	-1.7620e+04	2.7253e+04
	138	-4.3131e+04	-3.9243e+01	-5.8328e+01	9.9608e+01	-1.6279e+03	-1.4302e+04
959	28	4.4370e+04	1.8608e+01	2.4349e+01	-9.9608e+01	-1.4146e+04	-5.3749e+03
	137	-4.2782e+04	-1.8608e+01	-2.4349e+01	9.9608e+01	6.1112e+03	1.1516e+04
960	27	2.5309e+04	2.4858e+01	-2.3105e+02	-9.9608e+01	2.7914e+04	-3.6175e+03
	136	-2.3721e+04	-2.4858e+01	2.3105e+02	9.9608e+01	4.8333e+04	1.1821e+04
961	26	2.6042e+04	-4.2752e+00	-2.8064e+02	-9.9608e+01	3.5058e+04	1.0771e+04
	135	-2.4454e+04	4.2752e+00	2.8064e+02	9.9608e+01	5.7553e+04	-1.2182e+04
962	582	2.1354e+04	3.4770e+02	-5.7010e+02	-9.9608e+01	8.4745e+04	2.4480e+04
	134	-1.9766e+04	-3.4770e+02	5.7010e+02	9.9608e+01	1.0339e+05	9.0260e+04
963	469	4.6091e+03	2.2905e+02	-1.9397e+02	-9.9608e+01	3.6227e+04	5.6500e+04
	133	-3.0209e+03	-2.2905e+02	1.9397e+02	9.9608e+01	2.7784e+04	1.9086e+04
964	23	2.5431e+04	-4.1018e+02	-2.8530e+02	-9.9608e+01	2.9062e+04	-5.5985e+04
	132	-2.3843e+04	4.1018e+02	2.8530e+02	9.9608e+01	6.5087e+04	-7.9376e+04
965	22	2.6931e+04	2.9237e+02	-6.0001e+00	-9.9608e+01	-1.4489e+04	6.3953e+04
	131	-2.5343e+04	-2.9237e+02	6.0001e+00	9.9608e+01	1.6469e+04	3.2529e+04
966	21	1.6402e+04	-1.7072e+02	7.2785e+02	-9.9608e+01	-1.3749e+05	-3.3313e+04
	130	-1.4814e+04	1.7072e+02	-7.2785e+02	9.9608e+01	-1.0270e+05	-2.3026e+04
361	256	4.5475e-13	2.5762e+03	-4.7762e+00	1.8931e+03	8.7935e+01	1.3710e+05
	2	-4.5475e-13	2.5505e+03	4.7762e+00	-1.8931e+03	1.4421e+03	-1.3299e+05
362	252	-2.5011e-12	2.5822e+03	-1.4029e+01	1.4405e+03	2.3040e+03	1.4105e+05
	256	2.5011e-12	2.5069e+03	1.4029e+01	-1.4405e+03	2.1572e+03	-1.2907e+05
363	250	9.0949e-13	2.4317e+03	4.2024e+01	5.3607e+03	-1.0854e+04	1.0572e+05
	252	-9.0949e-13	2.6574e+03	-4.2024e+01	-5.3607e+03	-2.5094e+03	-1.4160e+05
364	251	-1.8190e-12	3.1208e+02	-1.1625e+02	-5.5489e+03	2.1972e+04	5.8986e+04
	250	1.8190e-12	-3.1208e+02	1.1625e+02	5.5489e+03	1.4995e+04	4.0254e+04
365	254	-1.3642e-12	-1.7494e+02	6.5165e+01	8.9461e+03	-5.8806e+03	-1.5787e+04
	251	1.3642e-12	1.7494e+02	-6.5165e+01	-8.9461e+03	-1.5298e+04	-4.1069e+04
366	255	-2.5011e-12	2.7479e+03	-4.2965e+01	3.2560e+02	-6.4797e+02	1.4261e+05
	254	2.5011e-12	2.5172e+03	4.2965e+01	-3.2560e+02	1.4784e+04	-1.0467e+05
367	253	1.3642e-12	3.6609e+02	-1.3637e+02	-6.5795e+03	2.4464e+04	6.5677e+04
	255	-1.3642e-12	-3.6609e+02	1.3637e+02	6.5795e+03	1.6786e+04	4.5064e+04
368	59	2.2737e-12	-3.2857e+02	1.2239e+02	-3.5548e+03	-1.6294e+04	-4.3743e+04
	253	-2.2737e-12	3.2857e+02	-1.2239e+02	3.5548e+03	-2.1814e+04	-5.8562e+04
377	54	-4.5475e-13	2.2771e+03	1.0664e+02	-6.2760e+03	-1.9164e+04	8.5416e+04
	236	4.5475e-13	2.8497e+03	-1.0664e+02	6.2760e+03	-1.5000e+04	-1.7713e+05
378	236	1.1369e-12	2.3968e+03	5.5042e+01	-2.9395e+02	-8.1246e+03	1.1305e+05
	244	-1.1369e-12	2.6923e+03	-5.5042e+01	2.9395e+02	-9.3787e+03	-1.6004e+05
379	244	2.2737e-12	2.4042e+03	5.2270e+01	8.4028e+02	-7.4274e+03	1.1492e+05
	238	-2.2737e-12	2.6849e+03	-5.2270e+01	-8.4028e+02	-9.1945e+03	-1.5954e+05
380	238	-1.1369e-12	2.5704e+03	-9.6154e+00	-1.4602e+03	3.3111e+03	1.4375e+05
	239	1.1369e-12	2.5187e+03	9.6154e+00	1.4602e+03	-2.5338e+02	-1.3554e+05
381	239	3.4106e-13	2.7111e+03	-9.8913e+00	-5.4837e+03	1.2693e+03	1.5352e+05
	247	-3.4106e-13	2.6580e+03	9.8913e+00	5.4837e+03	2.0492e+03	-1.4461e+05
382	247	2.2737e-13	2.7197e+03	-9.5057e+01	-6.0478e+04	1.6027e+04	1.6954e+05

	234	-2.2737e-13	2.2094e+03	9.5057e+01	6.0478e+04	1.3251e+04	-9.0940e+04
383	234	2.2737e-12	2.3333e+03	6.3805e+01	3.7758e+03	-1.4411e+04	9.1967e+04
	235	-2.2737e-12	2.6758e+03	-6.3805e+01	-3.7758e+03	-5.5603e+03	-1.4558e+05
384	235	-2.2737e-13	2.2044e+03	1.0692e+02	7.1690e+04	-1.4711e+04	8.9796e+04
	56	2.2737e-13	2.7785e+03	-1.0692e+02	-7.1690e+04	-1.8579e+04	-1.7917e+05
446	307	-1.3642e-12	2.5189e+03	1.6573e+01	4.4890e+03	-4.4194e+03	1.2500e+05
	165	1.3642e-12	2.6079e+03	-1.6573e+01	-4.4890e+03	-8.8959e+02	-1.3925e+05
447	300	-9.0949e-13	2.5786e+03	-1.2697e+01	1.2479e+03	1.8280e+03	1.3977e+05
	307	9.0949e-13	2.5105e+03	1.2697e+01	-1.2479e+03	2.2096e+03	-1.2893e+05
448	303	9.0949e-13	2.4493e+03	3.5482e+01	6.9110e+02	-1.0511e+04	1.0664e+05
	300	-9.0949e-13	2.6398e+03	-3.5482e+01	-6.9110e+02	-7.7191e+02	-1.3693e+05
449	314	-9.0949e-13	4.1913e+02	-1.5613e+02	-2.4523e+03	2.9321e+04	7.8716e+04
	303	9.0949e-13	-4.1913e+02	1.5613e+02	2.4523e+03	2.0327e+04	5.4569e+04
450	302	-1.8190e-12	-3.1195e+02	1.1620e+02	1.0772e+04	-1.4179e+04	-3.8064e+04
	314	1.8190e-12	3.1195e+02	-1.1620e+02	-1.0772e+04	-2.3587e+04	-6.3320e+04
451	308	0.0000e+00	2.7795e+03	-5.4722e+01	4.5779e+03	1.2227e+03	1.4764e+05
	302	0.0000e+00	2.4857e+03	5.4722e+01	-4.5779e+03	1.6781e+04	-9.9303e+04
452	313	9.0949e-13	4.9859e+02	-1.8572e+02	-1.2777e+04	3.1634e+04	8.4924e+04
	308	-9.0949e-13	-4.9859e+02	1.8572e+02	1.2777e+04	2.4547e+04	6.5899e+04
453	80	-4.5475e-13	-4.6155e+02	1.7193e+02	-4.6165e+03	-2.5525e+04	-6.8525e+04
	313	4.5475e-13	4.6155e+02	-1.7193e+02	4.6165e+03	-2.8006e+04	-7.5185e+04
462	125	-9.0949e-13	2.3628e+03	7.4719e+01	-1.3143e+03	-1.4710e+04	9.7372e+04
	317	9.0949e-13	2.7640e+03	-7.4719e+01	1.3143e+03	-9.2259e+03	-1.6163e+05
463	317	9.0949e-13	2.3845e+03	5.9629e+01	1.5575e+03	-9.4728e+03	1.0943e+05
	324	-9.0949e-13	2.7046e+03	-5.9629e+01	-1.5575e+03	-9.4892e+03	-1.6034e+05
464	324	3.1832e-12	2.4013e+03	5.3378e+01	1.1706e+03	-7.2419e+03	1.1542e+05
	331	-3.1832e-12	2.6879e+03	-5.3378e+01	-1.1706e+03	-9.7323e+03	-1.6099e+05
465	331	4.5475e-13	2.6149e+03	-2.6188e+01	-1.0377e+03	5.5045e+03	1.4964e+05
	319	-4.5475e-13	2.4743e+03	2.6188e+01	1.0377e+03	2.8233e+03	-1.2728e+05
466	319	-1.8190e-12	2.7253e+03	-1.5169e+01	-4.7188e+03	2.5400e+03	1.5693e+05
	310	1.8190e-12	2.6439e+03	1.5169e+01	4.7188e+03	2.5492e+03	-1.4327e+05
467	310	4.5475e-13	2.9390e+03	-1.7672e+02	-5.1527e+04	2.8336e+04	2.0258e+05
	329	-4.5475e-13	1.9901e+03	1.7672e+02	5.1527e+04	2.6093e+04	-5.6465e+04
468	329	0.0000e+00	2.3317e+03	6.4384e+01	8.9000e+03	-1.4881e+04	9.0704e+04
	323	0.0000e+00	2.6774e+03	-6.4384e+01	-8.9000e+03	-5.2710e+03	-1.4480e+05
469	323	2.2737e-12	2.0200e+03	1.7562e+02	5.0029e+04	-2.5735e+04	6.0203e+04
	75	-2.2737e-12	2.9629e+03	-1.7562e+02	-5.0029e+04	-2.8946e+04	-2.0700e+05
564	441	1.8190e-12	1.3969e+03	-2.3954e+01	1.2064e+04	6.1559e+03	6.1490e+04
	170	-1.8190e-12	1.5255e+03	2.3954e+01	-1.2064e+04	1.5179e+03	-8.2091e+04
565	459	-3.6380e-12	1.4898e+03	1.4656e+01	-7.3909e+02	-1.6336e+03	8.1261e+04
	441	3.6380e-12	1.4111e+03	-1.4656e+01	7.3909e+02	-3.0269e+03	-6.8749e+04
566	439	-7.2760e-12	1.3270e+03	-4.6006e+01	-5.0725e+03	1.3583e+04	4.0411e+04
	459	7.2760e-12	1.5740e+03	4.6006e+01	5.0725e+03	1.0473e+03	-7.9687e+04
567	444	-1.8190e-12	4.4475e+02	1.6567e+02	1.4915e+03	-3.2272e+04	8.6638e+04
	439	1.8190e-12	-4.4475e+02	-1.6567e+02	-1.4915e+03	-2.0411e+04	5.4794e+04
568	423	0.0000e+00	-3.8725e+02	-1.4425e+02	1.5153e+04	1.7413e+04	-4.6747e+04
	444	0.0000e+00	3.8725e+02	1.4425e+02	-1.5153e+04	2.9469e+04	-7.9111e+04
569	468	0.0000e+00	1.6876e+03	6.9653e+01	6.6770e+03	-2.2190e+03	8.8243e+04
	423	0.0000e+00	1.3137e+03	-6.9653e+01	-6.6770e+03	-2.0697e+04	-2.6723e+04
570	432	1.8190e-12	1.9312e+03	2.0541e+02	-1.8169e+04	-3.4507e+04	1.6220e+05

	468	-1.8190e-12	8.2834e+02	-2.0541e+02	1.8169e+04	-2.7630e+04	4.6116e+03
571	84	-1.8190e-12	8.9402e+02	-1.9600e+02	-9.3635e+03	2.9706e+04	-6.0485e+03
	432	1.8190e-12	1.9464e+03	1.9600e+02	9.3635e+03	3.1320e+04	-1.5778e+05
580	163	-7.2760e-12	1.3634e+03	-3.6441e+01	-3.2827e+03	9.3022e+03	5.3044e+04
	419	7.2760e-12	1.5590e+03	3.6441e+01	3.2827e+03	2.3716e+03	-8.4383e+04
581	419	0.0000e+00	1.3546e+03	-3.5727e+01	8.9334e+03	6.8795e+03	5.8407e+04
	443	0.0000e+00	1.5464e+03	3.5727e+01	-8.9334e+03	4.4816e+03	-8.8907e+04
582	443	-3.6380e-12	1.3461e+03	-3.8875e+01	-8.4661e+02	3.5750e+03	6.7278e+04
	417	3.6380e-12	1.5548e+03	3.8875e+01	8.4661e+02	8.7872e+03	-1.0047e+05
583	417	-3.6380e-12	1.5356e+03	3.1700e+01	-9.4765e+01	-7.2942e+03	9.6457e+04
	438	3.6380e-12	1.3654e+03	-3.1700e+01	9.4765e+01	-2.7866e+03	-6.9395e+04
584	438	-1.8190e-12	1.4900e+03	-1.5002e+01	-1.7475e+04	2.0425e+03	8.0086e+04
	448	1.8190e-12	1.5706e+03	1.5002e+01	1.7475e+04	2.9906e+03	-9.3598e+04
585	448	1.8190e-12	1.8879e+03	1.7994e+02	-7.1717e+04	-2.9758e+04	1.5200e+05
	434	-1.8190e-12	9.2181e+02	-1.7994e+02	7.1717e+04	-2.5662e+04	-3.2235e+03
586	434	3.6380e-12	1.2124e+03	-8.0194e+01	3.2892e+03	2.1867e+04	1.5773e+04
	433	-3.6380e-12	1.6430e+03	8.0194e+01	-3.2892e+03	3.2337e+03	-8.3158e+04
587	433	1.8190e-12	1.0798e+03	-1.2681e+02	8.5982e+04	1.8480e+04	2.4088e+04
	79	-1.8190e-12	1.7606e+03	1.2681e+02	-8.5982e+04	2.1005e+04	-1.3009e+05
597	441	-7.2760e-12	5.1320e+02	1.9117e+02	-2.0379e+02	-1.8261e+04	4.9023e+04
	424	7.2760e-12	-5.1320e+02	-1.9117e+02	2.0379e+02	-1.8730e+04	5.0282e+04
635	367	9.0949e-13	2.4079e+03	5.7915e+01	4.8089e+03	-9.4256e+03	1.1156e+05
	167	-9.0949e-13	2.7188e+03	-5.7915e+01	-4.8089e+03	-9.1275e+03	-1.6137e+05
636	349	-4.5475e-12	2.5852e+03	-1.5151e+01	1.1244e+03	1.6047e+03	1.3917e+05
	367	4.5475e-12	2.5039e+03	1.5151e+01	-1.1244e+03	3.2132e+03	-1.2624e+05
637	355	0.0000e+00	2.4767e+03	2.5261e+01	-7.9647e+02	-8.7823e+03	1.1128e+05
	349	0.0000e+00	2.6124e+03	-2.5261e+01	7.9647e+02	7.4946e+02	-1.3285e+05
638	366	2.7285e-12	4.9523e+02	-1.8447e+02	-1.3804e+03	3.3952e+04	9.1147e+04
	355	-2.7285e-12	-4.9523e+02	1.8447e+02	1.3804e+03	2.4710e+04	6.6337e+04
639	368	-5.4570e-12	-3.9747e+02	1.4806e+02	1.1691e+04	-1.9223e+04	-5.1605e+04
	366	5.4570e-12	3.9747e+02	-1.4806e+02	-1.1691e+04	-2.8896e+04	-7.7573e+04
640	352	1.8190e-12	2.7786e+03	-5.4401e+01	7.8813e+03	8.0607e+02	1.4652e+05
	368	-1.8190e-12	2.4865e+03	5.4401e+01	-7.8813e+03	1.7092e+04	-9.8468e+04
641	353	3.6380e-12	5.5006e+02	-2.0490e+02	-1.5773e+04	3.4529e+04	9.2696e+04
	352	-3.6380e-12	-5.5006e+02	2.0490e+02	1.5773e+04	2.7452e+04	7.3698e+04
642	82	-2.7285e-12	-4.5379e+02	1.6903e+02	-5.5072e+03	-2.4160e+04	-6.4858e+04
	353	2.7285e-12	4.5379e+02	-1.6903e+02	5.5072e+03	-2.8471e+04	-7.6434e+04
651	129	0.0000e+00	2.4816e+03	3.0476e+01	-3.7093e+03	-6.2264e+03	1.2015e+05
	380	0.0000e+00	2.6452e+03	-3.0476e+01	3.7093e+03	-3.5367e+03	-1.4636e+05
652	380	2.7285e-12	2.3578e+03	6.9550e+01	-8.3816e+02	-1.1301e+04	1.0452e+05
	370	-2.7285e-12	2.7313e+03	-6.9550e+01	8.3816e+02	-1.0815e+04	-1.6390e+05
653	370	2.7285e-12	2.3851e+03	5.9398e+01	1.4706e+03	-8.3201e+03	1.1253e+05
	383	-2.7285e-12	2.7040e+03	-5.9398e+01	-1.4706e+03	-1.0568e+04	-1.6323e+05
654	383	-9.0949e-13	2.6515e+03	-3.9852e+01	-1.0786e+03	7.6373e+03	1.5536e+05
	371	9.0949e-13	2.4376e+03	3.9852e+01	1.0786e+03	5.0357e+03	-1.2134e+05
655	371	9.0949e-13	2.7368e+03	-1.9446e+01	-1.8611e+03	3.3552e+03	1.5912e+05
	354	-9.0949e-13	2.6324e+03	1.9446e+01	1.8611e+03	3.1691e+03	-1.4161e+05
656	354	0.0000e+00	3.0844e+03	-2.3091e+02	-4.8024e+04	3.6500e+04	2.2450e+05
	385	0.0000e+00	1.8447e+03	2.3091e+02	4.8024e+04	3.4619e+04	-3.3574e+04
657	385	1.8190e-12	2.3329e+03	6.3955e+01	1.0804e+04	-1.5021e+04	9.0328e+04

	386	-1.8190e-12	2.6762e+03	-6.3955e+01	-1.0804e+04	-4.9967e+03	-1.4407e+05
658	386	0.0000e+00	1.8008e+03	2.5725e+02	4.7300e+04	-3.6095e+04	3.2390e+04
	77	0.0000e+00	3.1821e+03	-2.5725e+02	-4.7300e+04	-4.4003e+04	-2.4742e+05
Elem	Nodo	Nx	Ny	Nxy	Mx	My	Mxy
28	484	0.0000e+00	-2.3414e-01	-1.0210e+00	-9.8718e+01	2.0542e+02	1.8019e+02
	482	0.0000e+00	-7.0147e+00	2.3823e-01	7.6383e+00	4.6524e+02	-2.5905e+01
	564	-2.3193e+00	-7.0147e+00	3.3604e+00	-1.8216e+02	-5.5312e+02	2.1337e+02
29	563	7.9238e-01	-2.6899e-01	-5.1530e-01	-1.7152e+02	2.3141e+02	2.4315e+01
	484	7.9238e-01	-5.9463e-01	1.1708e+00	1.7997e+02	1.9578e+02	1.7972e+01
	564	-2.8695e+00	-2.6899e-01	-3.3850e-01	-1.7841e+02	-2.2570e+02	-1.4372e+01
30	563	-2.6899e-01	-4.1805e+00	7.5920e-01	1.7215e+02	3.4560e+02	1.2864e+02
	564	-2.6899e-01	-8.0896e+00	5.8240e-01	-2.0123e+02	5.3965e+02	-4.9531e+00
	544	5.6647e-02	-8.0896e+00	2.3824e+00	-3.2426e+02	-6.2734e+02	1.7375e+02
31	543	1.5224e+00	-8.0037e-01	-3.9851e-01	-3.1353e+02	4.3681e+02	-1.3031e+01
	563	1.5224e+00	-4.8883e-01	1.7474e+00	2.2141e+02	3.5373e+02	-6.6729e+01
	544	-3.1380e+00	-8.0037e-01	-5.6766e-01	-3.7184e+02	-4.5086e+02	-1.0325e+02
32	543	-8.0037e-01	1.5188e-01	-1.1990e+00	3.2060e+02	3.3084e+02	2.9280e+02
	544	-8.0037e-01	-1.3978e+01	-1.0298e+00	-4.1731e+02	6.1130e+02	1.8042e+01
	1	-1.1119e+00	-1.3978e+01	5.4763e+00	-6.7034e+02	-1.4600e+03	2.7633e+02
33	58	2.3207e+00	0.0000e+00	-3.7048e+00	-4.0191e+02	1.7671e+02	1.6074e+02
	543	2.3207e+00	-6.8029e+00	-1.0613e+00	2.8461e+02	6.8619e+02	-5.3535e+01
	1	-3.4202e+00	0.0000e+00	-1.1293e-02	-6.3459e+02	1.6639e+02	7.1398e+02
34	523	1.3014e-01	-6.6023e+00	1.7278e+00	7.7585e+01	-1.2042e+02	-5.1065e+01
	561	1.3014e-01	2.3355e+00	1.3342e+00	-3.1072e+01	-1.2512e+01	4.0317e+01
	541	8.6076e-01	2.3355e+00	-2.8141e+00	5.3755e+01	-1.8244e+02	1.4048e+02
35	519	-1.0132e+01	-5.4277e-01	2.6450e-02	4.0328e+01	7.8832e+01	4.7640e+01
	523	-1.0132e+01	1.1013e+00	-2.8428e+00	-7.7379e+01	5.9477e+01	4.9452e+01
	541	-3.9497e+00	-5.4277e-01	-8.5908e-01	4.2279e+01	1.5345e+02	2.6789e+01
36	519	-5.4277e-01	-3.3785e+00	-1.0828e+00	7.2692e+01	-2.6825e+01	-1.7413e+01
	541	-5.4277e-01	1.4971e+00	-1.9723e-01	1.8137e+02	7.2287e+01	-1.9494e+01
	536	-2.1868e+00	1.4971e+00	-2.4602e+00	1.7944e+02	-7.3323e+01	7.2508e+01
37	52	-1.2996e+01	0.0000e+00	5.9979e-02	-5.4170e+02	-6.2177e+01	-2.0171e+02
	519	-1.2996e+01	-5.9082e+00	-6.2708e+00	1.1629e+02	-5.7139e+01	7.1639e+01
	536	6.4450e-01	0.0000e+00	3.2423e+00	-2.4722e+02	3.3607e+01	-1.9629e+02
38	523	-1.8726e+01	1.3014e-01	2.1600e+00	2.9956e+02	-3.6108e+01	-2.1941e+01
	161	-1.8726e+01	0.0000e+00	3.0509e+00	-1.1447e+03	-1.3810e+02	2.2756e+02
	486	3.0175e+00	5.2574e-29	-3.6599e+00	-2.2886e+02	1.9173e+02	2.9510e+02
	561	3.0175e+00	1.3014e-01	-4.5508e+00	-7.8744e+01	-3.5646e+01	4.5595e+01
39	560	-2.4849e+00	-6.8047e-01	-1.3897e+00	-4.3226e+02	-6.6833e+01	9.2111e+01
	579	-2.4849e+00	0.0000e+00	-5.2496e+00	-3.7762e+02	3.6297e+02	-2.0632e+02
	161	-1.8726e+01	0.0000e+00	-7.9273e+00	-1.3949e+03	-3.7447e+02	-1.8372e+02
	523	-1.8726e+01	-6.8047e-01	-4.0674e+00	1.6665e+02	-9.1498e+00	1.1471e+02
40	540	-6.7919e+00	-8.9316e-01	-3.5745e-01	-3.0823e+02	-1.2529e+02	2.4321e+01
	560	-6.7919e+00	-6.8047e-01	-1.8005e+00	-2.7118e+02	-1.5023e+02	7.7916e+01
	523	-1.0132e+01	-6.8047e-01	-9.6803e-01	-2.8648e+02	6.7254e+01	7.0943e+01
	519	-1.0132e+01	-8.9316e-01	4.7499e-01	-2.1779e+02	6.2208e+01	1.7349e+01
41	412	-6.0833e+00	0.0000e+00	-5.5853e-01	-8.8892e+02	-5.2648e+01	-1.5111e+02
	540	-6.0833e+00	-8.9316e-01	8.6351e-01	-3.2986e+02	-1.5410e+02	-5.4891e+01
	519	-1.2996e+01	-8.9316e-01	1.9590e+00	-1.4633e+02	1.0277e+02	-7.0343e+01
	52	-1.2996e+01	0.0000e+00	5.3696e-01	-9.3755e+02	4.5405e+01	-1.6656e+02
42	557	3.9682e-01	2.9337e-01	-2.5137e+00	-4.1703e+02	2.1809e+02	-4.8855e+00
	490	6.4282e-01	-5.6003e-01	-4.4510e+00	2.1095e+02	8.1228e+01	-1.9385e+02
	488	-1.5115e+01	-7.7114e-01	-6.6300e+00	-3.4827e+02	-1.0760e+02	-2.9498e+02
	481	-1.3790e+01	1.5312e+00	-1.1345e+00	-9.0646e+01	3.2029e+01	-2.1515e+02
43	480	-2.4408e+00	-1.2796e+00	2.3359e+00	-2.7363e+02	4.9004e+01	1.0213e+02

	558	-2.8602e+00	-3.7853e-01	2.5995e+00	-2.6982e+02	-1.2920e+01	2.3770e+01
	557	-3.7875e+00	-1.2925e+00	3.5210e+00	-3.8927e+01	2.2877e+02	1.0235e+02
	481	-4.2070e+00	-4.1234e+00	4.6239e+00	-2.5933e+02	1.0752e+02	6.3389e+01
44	577	4.2480e+00	1.1046e+00	6.0789e+00	-3.0574e+01	-5.4641e+00	-1.1181e+02
	480	5.4236e+00	3.8353e-01	-1.4444e-01	-1.3137e+02	-1.4433e+01	-1.8908e+02
	481	-1.3923e+01	4.4393e-02	-2.8583e+00	-1.8822e+02	-9.8690e+01	-2.3422e+02
	488	-1.2748e+01	7.7819e-01	3.5432e+00	-2.8228e+02	-4.5503e+01	-1.7042e+02
45	559	1.9768e-01	-4.5869e+00	-2.4739e+00	-4.7449e+01	-2.5735e+02	5.6227e+01
	558	1.9768e-01	-4.1749e+00	4.2962e-01	-5.0668e+01	-1.9797e+02	7.7524e+01
	480	8.0933e-01	-4.1749e+00	3.9490e-01	-5.1612e+00	-2.6171e+02	8.9476e+01
	472	8.0933e-01	-4.4255e+00	-3.2194e+00	-6.6836e+01	-2.6369e+02	6.8432e+01
46	489	-2.3934e+00	-7.9377e+00	-6.9512e+00	-1.7271e+01	-2.4337e+02	-2.3486e+01
	578	-1.4548e+00	1.2296e+00	-3.6393e+00	1.1587e-01	-5.5596e+01	-3.4569e+01
	559	-1.6898e+00	5.3253e-01	-1.8158e+00	-2.5388e+00	-2.6460e+02	-2.3844e+00
	472	-2.4969e-01	-1.4849e+01	-3.4308e+00	-3.3275e+01	-3.0826e+02	3.7844e+01
47	577	6.6584e-16	5.3526e+00	7.7107e+00	1.9047e+01	-6.5053e+01	1.8043e+02
	489	1.1816e-15	-2.0743e+01	4.6316e+00	-4.6856e+01	-2.8035e+02	1.5187e+02
	472	8.0933e-01	-1.3110e+01	-2.9430e+00	-9.4689e+01	-2.3544e+02	8.2473e+01
	480	8.0933e-01	5.3526e+00	3.4588e-01	1.8686e+01	-1.7081e+02	1.0075e+02
48	24	-1.0752e-01	1.3842e-01	-1.9484e+00	4.7010e+01	-1.2684e+02	4.9818e+01
	427	-1.0752e-01	0.0000e+00	-2.1930e+00	2.7379e+02	7.4132e-01	1.5961e+01
	490	8.2797e-02	0.0000e+00	-2.8498e+00	-1.8772e+02	1.2041e+01	-2.6115e+01
	557	8.2797e-02	1.3842e-01	-2.6052e+00	3.2195e+02	1.7016e+02	7.7413e+00
49	505	-3.6834e-01	5.5893e-02	-3.6182e-01	-1.0564e+02	-6.9749e+00	-5.1896e+01
	428	-3.6834e-01	0.0000e+00	-1.8488e-01	-6.2910e+01	-1.7293e+01	2.6495e+01
	427	-1.0752e-01	0.0000e+00	-1.0802e+00	2.4449e+02	9.8314e+00	4.5137e+01
	24	-1.0752e-01	5.5893e-02	-1.2572e+00	1.9652e+01	-1.3996e+01	-3.3254e+01
50	604	3.1143e-02	-5.8958e-01	-3.8594e-01	-1.3300e+02	-5.8935e+01	-1.0736e+02
	430	5.0394e-02	-3.6998e-01	-3.2021e-01	-1.6059e+02	-6.2473e+01	-1.0104e+02
	428	-2.4135e-01	-1.2698e-01	-1.8150e-01	-1.2950e+02	-5.9524e+01	-9.0935e+01
	505	-2.2210e-01	-2.6313e-01	-1.6120e-01	-1.2458e+02	-8.1118e+01	-9.1503e+01
51	603	-2.9834e-01	-1.5526e-01	-2.3390e-01	-7.9701e+01	-3.7634e+01	-4.6695e+01
	583	-3.8330e-01	-7.9699e-02	-1.7808e-01	1.1470e+01	-6.0360e+01	-6.6155e+01
	430	9.1308e-02	-3.0399e-01	-2.4928e-01	-1.3815e+02	-1.3069e+02	-1.3678e+02
	604	6.3491e-03	-4.2587e-01	-3.9396e-01	-1.2505e+02	-4.3837e+01	-7.5591e+01
52	602	5.5141e-01	-6.8887e-01	7.0963e-01	-7.9547e+01	7.3608e+01	2.1844e+01
	437	5.6241e-01	-7.6793e-01	7.0539e-01	-9.4515e+01	6.0479e+00	2.8046e+01
	583	-5.7125e-02	-4.0588e-01	4.5433e-01	-5.1148e+01	2.0084e+01	-7.9075e+00
	603	-4.6125e-02	-3.5033e-01	4.7906e-01	-9.0199e+01	7.5304e+00	-1.1331e+01
53	601	8.9491e-01	-1.3359e+00	2.6321e-01	-1.1404e+02	-9.7657e+01	8.8700e+01
	446	8.9491e-01	-1.3784e+00	3.3752e-01	-1.4939e+02	-1.8185e+02	1.5243e+02
	437	8.4943e-01	-1.5531e+00	4.5339e-01	-7.8541e+01	-9.8933e+01	9.6766e+01
	602	8.4943e-01	-1.5105e+00	3.7907e-01	-7.9524e+01	-3.1669e+01	5.8386e+01
54	600	9.3064e-01	-1.2954e+00	6.4789e-01	-1.0852e+02	-9.8460e+01	8.4365e+01
	455	8.7453e-01	-1.1109e+00	5.0331e-01	-2.2059e+02	-1.1847e+02	1.5379e+02
	446	7.9896e-01	-1.0386e+00	4.7704e-01	-2.4802e+02	-9.9483e+01	1.6589e+02
	601	7.4285e-01	-1.2676e+00	6.9256e-01	-1.4608e+02	-6.5797e+01	1.2189e+02
55	599	3.9979e-01	-9.1338e-01	9.5267e-01	-1.5628e+02	-3.9446e+01	9.7384e+01
	460	3.9979e-01	-8.5087e-01	8.3295e-01	-2.3159e+02	-5.9963e+01	1.2016e+02
	455	6.4527e-01	-9.2173e-01	8.5351e-01	-2.7707e+02	-5.3363e+01	1.3430e+02
	600	6.4527e-01	-9.8424e-01	9.7324e-01	-1.5849e+02	-4.4932e+01	8.8826e+01
56	598	-1.1208e+00	-6.0273e-01	1.5062e+00	-4.5855e+02	-6.5253e+01	3.1718e+01
	25	-1.4154e+00	-3.3731e-01	8.9608e-01	-9.1238e+02	-1.0411e+02	2.6796e+02
	460	1.8847e-01	-2.7597e-01	5.7829e-01	-4.2097e+02	-3.1690e+01	1.8526e+02
	599	-1.0619e-01	-5.6948e-01	1.3172e+00	-3.0654e+02	4.1868e+01	4.3680e+01
57	597	-1.1595e+00	6.5236e-02	-2.0307e+00	-3.5965e+02	-2.5258e+02	-1.1719e+01
	24	-1.1595e+00	1.3842e-01	-2.0160e+00	-1.5619e+02	-1.5619e+02	5.2763e+01

	557	-1.3276e+00	1.3842e-01	-2.5333e+00	-3.3992e+02	2.0940e+02	8.4527e+01
	537	-1.3276e+00	6.5236e-02	-2.5481e+00	1.7943e+02	2.8274e+02	2.0044e+01
58	596	-6.7928e-01	4.4406e-02	-2.2387e-01	-2.3392e+02	9.1373e+01	-3.5215e+01
	505	-6.7928e-01	5.5893e-02	-1.6861e-01	-1.6017e+02	1.3869e+01	-5.8341e+01
	24	-1.1595e+00	5.5893e-02	-1.3247e+00	-1.4749e+02	-4.9473e+01	-4.2955e+01
	597	-1.1595e+00	4.4406e-02	-1.3800e+00	-3.7425e+02	-1.3813e+02	-1.9829e+01
59	595	-5.4070e-01	-5.7351e-02	-5.3859e-01	-1.3221e+02	6.0401e+01	2.1837e+00
	604	-5.4070e-01	-1.1690e-01	-5.0145e-01	-1.4199e+02	3.2793e+01	-2.2662e+01
	505	-6.7928e-01	-1.1690e-01	9.0257e-02	-1.1598e+02	-2.2578e+01	-4.0985e+01
	596	-6.7928e-01	-5.7351e-02	5.3115e-02	-2.4964e+02	-3.0268e+01	-1.6140e+01
60	594	-1.1996e+00	2.8042e-02	-1.6177e-03	-8.5096e+01	-5.7386e+01	1.1700e+01
	603	-1.1996e+00	9.3991e-03	-1.9702e-01	-1.1671e+02	-2.3393e+01	7.4518e+00
	604	-5.4070e-01	9.3991e-03	-4.9575e-01	-1.4010e+02	9.6505e+00	3.3765e+00
	595	-5.4070e-01	2.8042e-02	-3.0034e-01	-8.5159e+01	4.6597e+01	7.6245e+00
61	593	-7.3180e-01	1.1376e-01	1.4730e+00	3.4585e+01	8.2499e+01	-1.9178e+01
	602	-7.3180e-01	6.6547e-02	1.2106e+00	-6.3015e+01	6.5934e+01	-4.6421e+01
	603	-1.1996e+00	6.6547e-02	2.9374e-01	-8.0365e+01	-3.3391e+01	-2.2966e+01
	594	-1.1996e+00	1.1376e-01	5.5612e-01	-7.3379e+01	-7.0353e+01	4.2772e+00
62	592	-5.0906e-01	-1.2868e-01	1.0221e+00	1.3773e+02	1.6879e+01	-9.1757e+00
	601	-5.0906e-01	-5.1006e-02	9.2739e-01	-8.6108e+01	1.0109e+00	-1.7729e+01
	602	-7.3180e-01	-5.1006e-02	1.4313e+00	-7.0731e+01	-2.2578e+00	-2.8995e+01
	593	-7.3180e-01	-1.2868e-01	1.5261e+00	7.5145e+01	-9.9620e+00	-2.0442e+01
63	591	-3.7809e-01	2.9881e-02	1.2918e+00	8.2573e+01	-3.6450e+01	-4.8923e+00
	600	-3.7809e-01	2.8268e-02	1.4060e+00	-1.0212e+02	-1.6484e+01	8.6387e+00
	601	-5.0906e-01	2.8268e-02	1.0160e+00	-6.8659e+01	3.1717e+01	1.5780e+01
	592	-5.0906e-01	2.9881e-02	9.0180e-01	1.2380e+02	4.6509e+01	2.2489e+00
64	590	-6.6571e-01	-5.6591e-03	5.7573e-01	7.6174e+01	-2.4409e+01	-2.7516e+01
	599	-6.6571e-01	3.9318e-02	1.0518e+00	-1.7094e+02	1.3570e+01	-1.9170e+01
	600	-3.7809e-01	3.9318e-02	1.3900e+00	-1.2600e+02	-2.3909e+00	1.3009e+01
	591	-3.7809e-01	-5.6591e-03	9.1400e-01	7.7302e+01	1.2268e+01	4.6635e+00
65	589	6.5010e-01	4.1388e-01	7.6898e-01	1.7596e+02	5.1788e+01	-5.2098e+01
	598	6.5010e-01	2.9236e-02	1.3471e+00	-2.7445e+02	-3.7204e+01	-5.5568e+01
	599	-6.6571e-01	2.9236e-02	1.2170e+00	-1.8921e+02	1.6647e+01	-4.7930e+01
	590	-6.6571e-01	4.1388e-01	6.3886e-01	7.4026e+01	-7.8696e+01	-4.4460e+01
66	415	-3.0902e+00	0.0000e+00	-2.8002e+00	-1.0966e+03	-6.8632e+01	-2.1344e+02
	597	-3.0902e+00	6.5236e-02	-2.2777e+00	-4.8712e+02	-2.6086e+02	1.3889e+01
	537	-1.3665e+00	6.5236e-02	-1.9447e+00	-2.7375e+02	2.7987e+02	2.8723e+01
	53	-1.3665e+00	0.0000e+00	-2.4672e+00	-5.7174e+01	7.6878e+01	-1.9861e+02
67	418	-7.3009e-01	0.0000e+00	6.5985e-01	-3.9189e+02	4.4585e+01	1.7312e+02
	596	-7.3009e-01	4.4406e-02	-2.5458e-01	-3.2537e+02	1.1042e+02	1.2383e+00
	597	-3.0902e+00	4.4406e-02	-1.6270e+00	-5.1466e+02	-1.5981e+02	-6.0664e+01
	415	-3.0902e+00	0.0000e+00	-7.1255e-01	-1.1514e+03	-4.9118e+01	1.1122e+02
68	425	-1.9472e-01	1.3287e-29	-2.6815e-01	6.7547e+01	2.8168e+01	7.2078e+01
	595	-1.9472e-01	-5.7351e-02	-4.7806e-01	-7.5418e+01	6.7233e+01	-3.4559e+00
	596	-7.3009e-01	-5.7351e-02	2.2410e-02	-1.4234e+02	-3.8215e+01	2.0113e+01
	418	-7.3009e-01	1.0282e-29	2.3232e-01	-1.4348e+02	-2.4769e+01	9.5646e+01
69	450	-2.1842e+00	-4.8570e-30	-7.8434e-01	-1.7371e+02	-1.6604e+01	-1.3432e+01
	594	-2.1842e+00	2.8042e-02	-3.1312e-02	-1.0570e+02	-6.1735e+01	3.3309e+01
	595	-1.9472e-01	2.8042e-02	-2.3981e-01	-7.8773e+01	5.5126e+01	2.7216e+01
	425	-1.9472e-01	-6.1481e-30	-9.9284e-01	5.7356e+01	1.4412e+01	-1.9525e+01
70	451	-1.3734e+00	0.0000e+00	1.2217e+00	1.7248e+02	3.1180e+01	9.4863e+01
	593	-1.3734e+00	1.1376e-01	1.7371e+00	5.0701e+01	8.7792e+01	-2.1362e+00
	594	-2.1842e+00	1.1376e-01	5.2642e-01	-5.8217e+01	-8.1066e+01	4.0878e+00
	450	-2.1842e+00	0.0000e+00	1.0988e-02	-1.6478e+02	-2.9867e+01	1.0109e+02
71	454	-1.0547e+00	0.0000e+00	5.6442e-01	5.0531e+02	9.0662e+00	2.8753e+01
	592	-1.0547e+00	-1.2868e-01	7.6192e-01	1.9544e+02	2.6268e+01	-1.4284e+01
	593	-1.3734e+00	-1.2868e-01	1.7902e+00	1.3077e+02	-1.0773e+01	9.0626e+00

	451	-1.3734e+00	0.0000e+00	1.5927e+00	3.3243e+02	-1.0489e+01	5.2100e+01
72	457	-8.3665e-01	-3.6622e-15	1.7739e+00	3.4190e+02	-1.2404e+01	-4.8856e+01
	591	-8.3665e-01	2.9881e-02	1.5903e+00	1.5863e+02	-3.6346e+01	-9.4912e+00
	592	-1.0547e+00	2.9881e-02	6.4159e-01	2.2215e+02	5.0779e+01	1.1989e+01
	454	-1.0547e+00	-1.7006e-15	8.2518e-01	4.9566e+02	1.1271e+01	-2.7376e+01
73	462	-1.8327e+00	3.6631e-30	5.9153e-01	2.0570e+02	-7.5809e+00	-1.7029e+01
	590	-1.8327e+00	-5.6591e-03	-2.5972e-02	9.6296e+01	-2.5525e+01	-6.8621e-01
	591	-8.3665e-01	-5.6591e-03	1.2125e+00	1.2031e+02	1.6699e+01	-6.5303e+00
	457	-8.3665e-01	1.1332e-29	1.8300e+00	2.7189e+02	2.9895e+00	-2.2873e+01
74	414	3.8212e+00	-1.0643e-14	2.5779e+00	9.8172e+02	3.9716e+01	1.1996e+02
	589	3.8212e+00	4.1388e-01	1.3934e+00	3.5916e+02	9.3981e+01	-4.4120e+01
	590	-1.8327e+00	4.1388e-01	3.7163e-02	1.8970e+02	-9.9683e+01	-3.7305e+01
	462	-1.8327e+00	-5.0070e-15	1.2217e+00	3.6186e+02	-5.1085e+01	1.2677e+02
75	575	-1.6306e+00	-5.8936e-01	-9.0523e-01	-1.4826e+03	-5.6517e+01	-3.4749e+02
	410	-9.3975e-01	4.4678e-01	8.6323e-01	-1.9933e+03	-3.9468e+01	-4.0535e+02
	471	-2.5696e+00	8.9590e-02	-1.0072e-01	-1.9340e+03	-7.0322e+01	-4.0106e+02
	576	-1.8787e+00	-8.4742e-01	-1.4948e+00	-1.3339e+03	-4.6845e+01	-2.8932e+02
76	574	-7.1947e-01	-7.3823e-01	-8.5238e-01	-1.2803e+03	-2.2026e+02	-5.9546e+02
	408	-7.1947e-01	-4.3383e-01	-6.3704e-01	-1.6297e+03	-2.9481e+02	-7.3807e+02
	410	-1.2265e+00	-1.2254e-01	-4.1527e-01	-1.6381e+03	-3.6264e+02	-7.1742e+02
	575	-1.2265e+00	-4.2694e-01	-6.3061e-01	-1.2125e+03	-3.2318e+02	-5.2963e+02
77	573	-4.5205e-01	-2.1128e-01	-2.7836e-01	-1.0218e+03	-6.9537e+02	-8.7274e+02
	405	-6.0351e-01	-8.1286e-01	-7.3537e-01	-1.0544e+03	-7.1282e+02	-8.6162e+02
	408	-2.2524e-01	-1.2223e+00	-8.1675e-01	-1.1271e+03	-7.7614e+02	-9.1136e+02
	574	-3.7669e-01	-8.1365e-01	-6.0193e-01	-8.9250e+02	-7.0286e+02	-7.2927e+02
78	572	3.0946e-01	-8.8610e-02	-1.8852e-02	-1.0773e+03	-1.5713e+02	-7.2004e+02
	585	1.2591e+00	-1.0764e+00	-4.8330e-01	-1.7128e+02	-4.1620e+02	-5.7165e+02
	405	-1.5318e+00	-1.8358e+00	-1.9598e+00	-1.3115e+03	-1.3572e+03	-1.2978e+03
	573	-5.8208e-01	-9.5379e-02	-2.9949e-01	-1.0970e+03	-7.7752e+02	-6.2345e+02
79	571	-1.1101e+00	3.2600e-01	-3.5509e-03	-1.2277e+03	-7.5810e+02	5.1741e+02
	404	-1.9539e+00	-9.7814e-01	1.5126e+00	-1.5131e+03	-1.0728e+03	1.2104e+03
	585	7.5698e-01	-5.7419e-01	4.5004e-01	-3.0787e+02	-2.3856e+02	5.8862e+02
	572	-8.6869e-02	3.4217e-01	-2.5646e-01	-1.1974e+03	1.4030e+02	6.0907e+02
80	570	-7.0946e-01	-3.7834e-01	4.4820e-01	-9.9810e+02	-5.9261e+02	7.3934e+02
	403	-5.9298e-01	-8.9217e-01	8.2951e-01	-1.2271e+03	-6.3061e+02	8.6518e+02
	404	-1.1637e+00	-5.2019e-01	7.8071e-01	-1.2321e+03	-6.0254e+02	8.6301e+02
	571	-1.0472e+00	9.7838e-02	2.4306e-01	-1.1508e+03	-5.9181e+02	8.4854e+02
81	569	-8.2911e-01	-3.2928e-01	5.4166e-01	-1.2535e+03	-4.2892e+02	5.6532e+02
	402	-8.2809e-01	-3.5051e-01	5.5860e-01	-1.6125e+03	-4.4515e+02	7.7677e+02
	403	-8.6339e-01	-4.2888e-01	6.4631e-01	-1.5528e+03	-3.6441e+02	7.9358e+02
	570	-8.6237e-01	-4.0702e-01	6.2823e-01	-1.2567e+03	-2.5532e+02	6.5507e+02
82	568	-1.0181e+00	-4.6634e-01	1.2785e+00	-1.3521e+03	-1.4791e+02	1.2345e+02
	401	-1.2241e+00	-3.2483e-01	8.4695e-01	-2.2533e+03	-6.1804e+01	3.5493e+02
	402	-1.0589e+00	-1.2812e-01	4.0031e-01	-2.0688e+03	-2.8148e+01	4.0874e+02
	569	-1.2649e+00	-2.8460e-01	9.1181e-01	-1.5767e+03	-7.1066e+00	3.5580e+02
83	567	1.7204e-01	1.2179e-01	1.3822e+00	-1.3581e+02	3.4069e+02	-1.2099e+02
	470	1.7204e-01	-2.7163e-16	1.0113e-01	-7.7976e+02	1.0485e+02	-4.8196e+02
	401	-1.5489e+00	-6.3371e-17	6.4211e-03	-1.8977e+03	-9.1392e+01	-4.5433e+02
	568	-1.5489e+00	1.2179e-01	1.2875e+00	-1.0104e+03	-3.4725e+02	-9.3365e+01
84	566	9.2377e-01	5.3487e-01	2.2701e-01	1.5466e+00	-1.8680e+02	2.6198e+01
	581	9.2377e-01	0.0000e+00	-4.5427e-01	6.7699e+00	-1.2000e+01	5.2170e+01
	470	1.7204e-01	0.0000e+00	-7.5338e-02	-5.4489e+01	5.3617e+01	-8.1332e+01
	567	1.7204e-01	5.3487e-01	6.0594e-01	1.7057e+02	3.5711e+02	-1.0730e+02
85	565	-5.6067e+00	-2.1228e-01	-3.5276e-01	-9.3504e+01	-1.9184e+01	-7.6796e+00
	483	-4.5464e+00	1.4226e+00	2.1532e+00	-1.1370e+02	1.6431e+01	2.1621e+01
	581	-3.4048e-01	1.2643e+00	2.3933e+00	-1.5895e+01	3.3661e+01	4.3027e+01
	566	7.1979e-01	-1.7681e-01	5.3599e-01	-2.4413e+01	3.5927e+01	1.6844e+00

86	564	-5.5756e+00	-1.6893e+00	-3.4651e+00	8.2747e+00	-1.7899e+01	1.0125e+01
	482	-5.6594e+00	-1.3553e+00	-3.3468e+00	-4.6288e+02	-1.7683e+01	-6.5403e+01
	483	-5.8049e+00	-5.1534e-03	-7.6267e-01	-1.6211e+02	4.1971e+01	3.5768e+01
	565	-5.8888e+00	-3.8411e-01	-9.8938e-01	-1.1239e+02	5.4714e+00	-4.1080e+00
87	562	-6.5772e-01	4.9364e-01	-9.7613e-01	-2.1952e+02	-1.0559e+02	4.0284e+01
	580	-6.5772e-01	0.0000e+00	-8.9000e-01	-6.0876e+01	-1.0635e+01	4.5234e+01
	484	7.9238e-01	1.0449e-30	-1.3523e+00	-2.1471e+02	8.5097e+00	5.6125e+01
	563	7.9238e-01	4.9364e-01	-1.4385e+00	-3.8090e+01	9.5651e+01	5.1176e+01
88	561	3.0175e+00	7.2770e-01	-5.3040e-01	-5.8546e+02	2.4814e+02	3.0226e+01
	486	3.0175e+00	2.0446e-16	-2.0262e-01	4.5211e+02	3.7834e+01	7.3425e-01
	580	-6.5772e-01	-3.7424e-16	-2.5577e-01	-5.3561e+01	-3.9467e+01	-7.6029e+01
	562	-6.5772e-01	7.2770e-01	-5.8355e-01	-2.1670e+02	-1.8363e+02	-4.6537e+01
89	559	-2.2523e-01	-2.2184e+00	7.7822e-02	-3.0613e+02	-1.6827e+01	4.2531e+01
	578	-2.2523e-01	-2.2518e-15	2.4532e+00	-7.5058e+01	2.2261e+00	-2.3371e+00
	579	-2.4849e+00	-2.2518e-15	9.5704e-01	-1.8801e+02	-1.4061e+01	1.4821e+01
	560	-2.4849e+00	-2.2184e+00	-1.4183e+00	-4.0574e+02	-9.4949e+00	5.9689e+01
90	555	-5.5184e-01	-2.6319e-01	5.3742e-01	-5.5013e+02	-1.8059e+01	-2.5206e+01
	575	-5.5184e-01	-2.4619e-01	-7.4436e-01	-1.1742e+03	-4.9534e-01	-1.1859e+01
	576	-1.4849e+00	-2.4619e-01	-7.1250e-01	-1.1681e+03	2.5672e+01	2.3456e+01
	556	-1.4849e+00	-2.6319e-01	5.6928e-01	-4.9206e+02	1.3872e+01	1.0109e+01
91	554	-1.0688e+00	-8.6830e-02	-1.8486e-01	-6.2274e+02	-6.4918e+00	-1.6539e+01
	574	-1.0688e+00	-8.7738e-02	-4.7252e-01	-1.2147e+03	3.0386e+01	-5.6792e+00
	575	-5.5184e-01	-8.7738e-02	-3.0079e-01	-1.2224e+03	-2.5812e+01	2.3378e+01
	555	-5.5184e-01	-8.6830e-02	-1.3123e-02	-5.5513e+02	-9.9906e+00	1.2518e+01
92	553	-1.2609e+00	6.8918e-03	-2.8539e-01	-7.2957e+02	2.9204e+01	-2.9767e+01
	573	-1.2609e+00	-3.7307e-02	-1.0055e-01	-1.0942e+03	7.3979e+01	-4.0307e+01
	574	-1.0688e+00	-3.7307e-02	-2.3672e-01	-1.2508e+03	-4.1118e+01	-7.4722e-01
	554	-1.0688e+00	6.8918e-03	-4.2155e-01	-6.2454e+02	-2.8697e+01	9.7931e+00
93	552	-1.4414e+00	-1.1883e-02	-3.3385e-01	-6.5911e+02	7.1408e+01	3.1683e+01
	572	-1.4414e+00	3.8064e-02	-2.1947e-01	-1.2043e+03	1.7747e+02	2.5252e+01
	573	-1.2609e+00	3.8064e-02	-1.3681e-01	-1.2728e+03	-2.1835e+02	2.2568e+01
	553	-1.2609e+00	-1.1883e-02	-2.5118e-01	-6.2423e+02	-1.1023e+02	2.8999e+01
94	551	-1.3711e+00	3.9880e-02	-8.8899e-02	-6.4432e+02	-1.4303e+02	-4.1842e+01
	571	-1.3711e+00	7.2515e-02	-2.4257e-01	-1.3193e+03	-3.1522e+02	-1.9395e+01
	572	-1.4414e+00	7.2515e-02	-3.6287e-01	-1.1551e+03	3.1243e+02	1.0307e+00
	552	-1.4414e+00	3.9880e-02	-2.0921e-01	-7.0522e+02	1.2247e+02	-2.1417e+01
95	550	-1.2545e+00	-5.0977e-02	1.6201e-01	-7.3432e+02	-1.2837e+01	-1.3615e+01
	570	-1.2545e+00	-6.6473e-02	-8.0603e-02	-1.2905e+03	-1.4239e+01	4.6474e+00
	571	-1.3711e+00	-6.6473e-02	-2.2826e-01	-1.1552e+03	4.6556e+01	4.4093e+01
	551	-1.3711e+00	-5.0977e-02	1.4353e-02	-7.6615e+02	1.7303e+01	2.5831e+01
96	549	-1.4274e+00	1.4396e-02	1.6840e-01	-7.3642e+02	-6.8114e+01	-1.5022e+01
	569	-1.4274e+00	3.3406e-03	1.2472e-01	-1.3412e+03	-8.9708e+01	-7.5173e+00
	570	-1.2545e+00	3.3406e-03	1.5536e-01	-1.2985e+03	5.9262e+01	1.1833e+01
	550	-1.2545e+00	1.4396e-02	1.9904e-01	-7.3879e+02	2.3265e+01	4.3287e+00
97	548	-1.3347e+00	1.3753e-01	6.1327e-01	-6.3782e+02	-1.0286e+02	3.1240e+01
	568	-1.3347e+00	6.4499e-02	1.0959e+00	-1.0989e+03	-1.4943e+02	-1.3613e+01
	569	-1.4274e+00	6.4499e-02	6.1637e-01	-1.2332e+03	3.6562e+01	-7.4514e+00
	549	-1.4274e+00	1.3753e-01	1.3371e-01	-7.0986e+02	-1.5368e+01	3.7401e+01
98	547	-4.9380e-01	4.1715e-02	2.5218e-01	-1.2470e+02	2.8821e+02	1.6034e+02
	567	-4.9380e-01	1.2179e-01	9.9666e-01	-1.8861e+02	3.4833e+02	-2.8924e+01
	568	-1.3347e+00	1.2179e-01	1.3539e+00	-9.1417e+02	-3.3437e+02	-3.0173e+01
	548	-1.3347e+00	4.1715e-02	6.0939e-01	-4.4384e+02	-2.7334e+02	1.5909e+02
99	546	-1.6322e+00	1.7021e-01	1.2226e+00	-9.4549e+01	-1.6685e+02	1.1580e+00
	566	-1.6322e+00	5.3487e-01	3.9193e-01	-3.2710e+01	-1.9637e+02	3.2096e+01
	567	-4.9380e-01	5.3487e-01	4.0915e-01	8.9400e+01	3.9580e+02	5.8765e+01
	547	-4.9380e-01	1.7021e-01	1.2399e+00	-8.8282e+01	3.4057e+02	2.7827e+01
100	545	-1.7130e+00	-4.1956e-01	2.8895e+00	-1.4816e+02	1.6135e+01	-2.5840e+01

	565	-1.7130e+00	-3.8080e-01	1.7924e+00	-1.0039e+02	-2.7704e+01	8.5723e+00
	566	-1.6322e+00	-3.8080e-01	4.1547e-01	-7.1005e+00	2.7625e+01	1.3284e+01
	546	-1.6322e+00	-4.1956e-01	1.5126e+00	-9.8657e+01	-2.0756e+01	-2.1129e+01
101	544	-8.0896e+00	-1.2205e+00	-3.3678e+00	-8.7460e+01	-4.2697e+01	2.9371e+00
	564	-8.0896e+00	-2.5018e-01	-2.5698e+00	-2.1532e+02	-1.9453e+01	5.5682e+00
	565	-1.7130e+00	-2.5018e-01	1.2290e+00	-1.2563e+02	8.7171e+00	1.0118e+01
	545	-1.7130e+00	-1.2205e+00	4.3100e-01	-1.6373e+02	2.8393e+01	7.4870e+00
102	542	-1.5083e+00	6.2248e-01	-8.8756e-01	-4.9205e+02	-2.2068e+02	-3.4383e+01
	562	-1.5083e+00	4.9364e-01	-1.1316e+00	-3.2269e+02	-1.3382e+02	3.7949e+01
	563	1.5224e+00	4.9364e-01	-1.8190e+00	-3.7619e+02	1.2146e+02	4.9263e+01
	543	1.5224e+00	6.2248e-01	-1.5749e+00	-3.5246e+01	2.0020e+02	-2.3069e+01
103	541	2.3355e+00	4.4387e-01	3.1552e-01	-3.4899e+02	2.9342e+02	-4.8365e+01
	561	2.3355e+00	7.2770e-01	8.5257e-02	-2.9718e+02	2.8142e+02	-1.0713e+02
	562	-1.5083e+00	7.2770e-01	-7.3906e-01	-3.7967e+02	-2.3237e+02	-6.7062e+01
	542	-1.5083e+00	4.4387e-01	-5.0879e-01	-5.3932e+02	-2.7889e+02	-8.2967e+00
104	539	-1.3426e+00	-1.7602e+00	1.8506e+00	-5.7972e+02	-6.5990e+01	-9.4354e+00
	559	-1.3426e+00	-2.2184e+00	1.9626e-01	-3.5572e+02	-5.0353e+01	4.1074e+01
	560	-6.7919e+00	-2.2184e+00	-1.8291e+00	-2.8043e+02	-1.3445e+00	7.1183e+01
	540	-6.7919e+00	-1.7602e+00	-1.7474e-01	-4.1573e+02	-1.1130e+01	2.0674e+01
105	538	-4.7599e+00	-2.8156e-02	5.7536e-01	-4.1093e+02	-1.2994e+01	1.7628e+01
	558	-4.7599e+00	1.9768e-01	3.0498e-01	-2.9174e+02	-4.6763e+01	-3.2949e+01
	559	-1.3426e+00	1.9768e-01	1.2794e+00	-3.7586e+02	-6.5796e+01	-3.6680e+01
	539	-1.3426e+00	-2.8156e-02	1.5498e+00	-5.6193e+02	-9.6354e+01	1.3897e+01
106	537	-1.3276e+00	6.4672e-01	-1.9193e+00	-2.4230e+02	3.9166e+02	6.5523e+01
	557	-1.3276e+00	9.3613e-01	-1.6820e+00	1.9202e+02	2.3939e+02	-5.6856e+01
	558	-4.7599e+00	9.3613e-01	-5.9452e-01	-1.6637e+02	-1.7848e+02	-1.0640e+02
	538	-4.7599e+00	6.4672e-01	-8.3177e-01	-3.9048e+02	-2.8287e+02	1.5981e+01
107	411	-1.8319e+00	-5.7738e-15	-1.4045e+00	3.5197e+02	-1.4011e+01	-6.5083e+01
	555	-1.8319e+00	-2.6319e-01	3.0581e-01	-2.9730e+02	-6.3060e+00	-3.7254e+01
	556	-3.0279e+00	-2.6319e-01	1.1088e+00	-2.6704e+02	2.7378e+01	3.2257e+00
	61	-3.0279e+00	-2.4322e-15	-6.0142e-01	4.5558e+02	1.4247e+00	-2.4603e+01
108	409	-1.6422e+00	8.3903e-16	-4.0777e-01	1.7639e+02	-1.1485e+01	-5.3705e+01
	554	-1.6422e+00	-8.6830e-02	-1.1777e-01	-4.0715e+02	-1.9070e+00	-2.3247e+01
	555	-1.8319e+00	-8.6830e-02	-2.4473e-01	-3.6095e+02	6.2615e+00	-1.8543e+00
	411	-1.8319e+00	1.1007e-15	-5.3474e-01	2.9831e+02	3.3694e-01	-3.2313e+01
109	187	-1.5526e+00	0.0000e+00	-2.4008e-01	2.5433e+01	-5.2778e+00	-4.3127e+01
	553	-1.5526e+00	6.8918e-03	-2.5562e-01	-4.0605e+02	3.0192e+01	-3.2368e+01
	554	-1.6422e+00	6.8918e-03	-3.5446e-01	-4.5385e+02	-1.4606e+01	-2.4686e+00
	409	-1.6422e+00	0.0000e+00	-3.3892e-01	1.2584e+02	-3.5908e+00	-1.3227e+01
110	407	-1.4822e+00	5.8204e-16	-3.0339e-01	-5.4150e+01	-4.8678e+00	-1.4951e+01
	552	-1.4822e+00	-1.1883e-02	-3.9072e-01	-5.7156e+02	6.1130e+01	1.1660e+01
	553	-1.5526e+00	-1.1883e-02	-2.2141e-01	-5.4180e+02	-6.8725e+01	1.9800e+01
	187	-1.5526e+00	2.3087e-16	-1.3408e-01	5.5240e+01	-8.9542e+00	-6.8103e+00
111	406	-1.6793e+00	-3.3398e-16	-1.7390e-01	-6.5279e+00	-1.3432e+01	-2.6532e+01
	551	-1.6793e+00	3.9880e-02	-1.0124e-02	-5.8701e+02	-9.1578e+01	-3.9747e+01
	552	-1.4822e+00	3.9880e-02	-2.6608e-01	-5.6658e+02	9.8805e+01	-1.6541e+01
	407	-1.4822e+00	-8.6618e-16	-4.2986e-01	-8.7739e+01	4.7927e-01	-3.3268e+00
112	186	-1.9312e+00	3.3007e-33	-1.0195e-01	-1.6871e+01	-4.2043e+00	-1.8202e+01
	550	-1.9312e+00	-5.0977e-02	1.0274e-01	-5.5381e+02	-4.6083e+00	-1.4402e+01
	551	-1.6793e+00	-5.0977e-02	9.3128e-02	-4.9608e+02	1.8122e+01	1.3223e+01
	406	-1.6793e+00	3.7700e-33	-1.1156e-01	-5.3078e+01	-1.7872e+00	9.4232e+00
113	400	-1.9322e+00	-7.8225e-33	2.4900e-01	-2.1588e+01	-1.1826e+01	7.0675e+00
	549	-1.9322e+00	1.4396e-02	8.2764e-02	-5.3509e+02	-4.5700e+01	6.1134e+00
	550	-1.9312e+00	1.4396e-02	1.3976e-01	-5.5815e+02	2.7327e+01	1.8796e+00
	186	-1.9312e+00	-8.7466e-33	3.0600e-01	-3.6486e+00	-3.3962e+00	2.8337e+00
114	399	-2.3971e+00	-1.4157e-32	9.2168e-01	-6.4143e+01	-1.5560e+01	1.2066e+02
	548	-2.3971e+00	1.3753e-01	8.3631e-01	-3.2258e+02	-7.2254e+01	9.7837e+01

	549	-1.9322e+00	1.3753e-01	4.8076e-02	-4.9189e+02	-2.7077e+00	4.3037e+01
	400	-1.9322e+00	-5.8977e-33	1.3344e-01	1.6760e-01	-1.1748e+01	6.5864e+01
115	60	-6.4889e-01	4.7703e-17	8.7449e-01	9.4816e+00	3.3849e+01	2.1960e+02
	547	-6.4889e-01	4.1715e-02	-9.6654e-02	5.8117e+01	2.4155e+02	1.5836e+02
	548	-2.3971e+00	4.1715e-02	8.3243e-01	-2.9662e+02	-2.2155e+02	1.8328e+02
	399	-2.3971e+00	1.2589e-16	1.8036e+00	2.6216e+01	-3.1911e+01	2.4452e+02
116	91	-2.4684e+00	0.0000e+00	-6.7039e-01	-3.3800e+02	-3.1131e+01	-1.0566e+02
	546	-2.4684e+00	1.7021e-01	1.1900e+00	-1.1084e+02	-1.8323e+02	2.9299e+00
	547	-6.4889e-01	1.7021e-01	1.7023e+00	1.5572e+02	3.0777e+02	9.4061e+01
	60	-6.4889e-01	0.0000e+00	-1.5804e-01	-1.5397e+02	6.7817e+01	-1.4529e+01
117	168	-3.0066e+00	0.0000e+00	2.4661e+00	-1.8716e+02	1.4494e+01	-1.7599e+00
	545	-3.0066e+00	-4.1956e-01	3.7783e+00	-1.5930e+02	3.1060e+01	-3.9397e+01
	546	-2.4684e+00	-4.1956e-01	1.4799e+00	-1.6489e+02	-4.1072e+01	-5.0930e+01
	91	-2.4684e+00	0.0000e+00	1.6766e-01	-3.3774e+02	-1.3388e+01	-1.3294e+01
118	1	-1.3978e+01	-2.9052e-15	-2.8000e+00	-4.8754e+02	-2.0061e+01	-6.5089e+01
	544	-1.3978e+01	-1.2205e+00	-5.1995e+00	-3.3855e+02	-5.5807e+01	1.0253e+01
	545	-3.0066e+00	-1.2205e+00	1.3198e+00	-2.0437e+02	4.2702e+01	-5.2635e+00
	168	-3.0066e+00	3.8697e-15	3.7193e+00	-2.3739e+02	1.9123e+01	-8.0605e+01
119	421	-4.2896e+00	5.7179e-31	-2.7452e+00	-1.1154e+03	-6.1696e+01	-1.7417e+02
	542	-4.2896e+00	6.2248e-01	-8.7651e-01	-6.3431e+02	-2.1469e+02	-5.5665e-01
	543	2.3207e+00	6.2248e-01	-1.1871e+00	-7.3041e+02	1.9935e+02	-1.4340e+01
	58	2.3207e+00	8.1421e-31	-3.0558e+00	-5.1256e+01	5.6249e+01	-1.8795e+02
120	536	1.4971e+00	-3.0190e-15	1.4189e+00	-4.1622e+02	8.5178e+01	1.9473e+02
	541	1.4971e+00	4.4387e-01	1.9131e-01	-2.7913e+02	2.9027e+02	-3.5505e+01
	542	-4.2896e+00	4.4387e-01	-4.9775e-01	-5.9679e+02	-2.9750e+02	-5.3120e+01
	421	-4.2896e+00	-1.5986e-15	7.2988e-01	-1.1674e+03	-7.7237e+01	1.7711e+02
121	398	-3.0465e+00	5.0032e-32	-1.8901e+00	-1.0617e+03	-2.0385e+01	-5.5113e+01
	539	-3.0465e+00	-1.7602e+00	7.6141e-01	-6.3524e+02	-6.9219e+01	1.1513e+01
	540	-6.0833e+00	-1.7602e+00	1.0462e+00	-5.0703e+02	-1.3085e+01	-7.6065e+01
	412	-6.0833e+00	-1.2298e-31	-1.6053e+00	-8.7425e+02	1.2028e+01	-1.4269e+02
122	413	-5.6286e+00	-1.3844e-15	-7.1584e-01	-8.8998e+02	1.0311e+01	1.4932e+02
	538	-5.6286e+00	-2.8156e-02	9.1305e-01	-5.4218e+02	-6.9341e+00	8.8419e+01
	539	-3.0465e+00	-2.8156e-02	4.6062e-01	-6.6720e+02	-9.3806e+01	-1.3546e+01
	398	-3.0465e+00	-2.3150e-15	-1.1683e+00	-1.0480e+03	-2.3310e+01	4.7350e+01
123	53	-1.3665e+00	-4.8260e-32	-1.0549e+00	-4.4880e+02	1.0028e+02	2.2076e+02
	537	-1.3665e+00	6.4672e-01	-2.3259e+00	2.8293e+02	3.8911e+02	-3.5980e+00
	538	-5.6286e+00	6.4672e-01	-4.9408e-01	-3.5628e+02	-3.1571e+02	3.6185e+01
	413	-5.6286e+00	-3.7024e-31	7.7694e-01	-7.3831e+02	-6.5322e+01	2.6055e+02
251	394	8.3754e-01	-1.9603e+00	1.3781e+00	-1.3913e+01	1.9721e+01	-9.7927e+00
	397	8.3754e-01	-4.5036e-15	-1.2773e+01	2.3847e+01	-6.2189e+01	1.1040e+02
	504	-1.7956e+01	-4.5036e-15	-9.6134e+00	3.1329e+02	5.5877e+01	7.9505e+01
	395	-1.7956e+01	-1.9603e+00	4.5380e+00	-2.5105e+01	2.7338e+01	-4.0683e+01
252	393	6.4922e-01	-2.5795e+00	2.4510e+00	-1.8778e+02	6.2680e+01	5.5161e+01
	396	6.4922e-01	6.8252e-16	2.2686e+00	-2.5288e+01	-9.7868e+00	1.1384e+02
	397	8.3754e-01	-7.4407e-15	-1.8927e+00	-2.7638e+01	2.0776e+01	6.2457e+01
	394	8.3754e-01	-2.5795e+00	-1.7104e+00	-4.9568e+01	3.7093e+01	3.7746e+00
253	392	-1.2633e+01	-1.7888e+00	-4.4944e+00	-1.7909e+02	-4.1148e+01	3.5292e+01
	503	-1.2633e+01	0.0000e+00	7.4685e+00	-7.0070e+02	-1.1212e+02	2.6070e+02
	396	6.4922e-01	8.5343e-29	1.1509e+01	-9.0705e+01	1.3132e+02	2.5453e+02
	393	6.4922e-01	-1.7888e+00	-4.5366e-01	-2.6723e+02	7.1014e+01	2.9120e+01
254	389	-5.5630e+00	-2.0538e+00	-2.2138e+00	-1.6634e+02	3.0521e+01	-6.7779e+01
	394	-5.5630e+00	-1.9603e+00	3.6385e+00	-6.9869e+01	4.5336e+01	-3.8850e+01
	395	-1.3919e+01	-1.9603e+00	3.0737e+00	-3.9070e+01	-1.8390e+00	-6.9430e+01
	391	-1.3919e+01	-2.0538e+00	-2.7786e+00	-1.3016e+02	6.5809e+01	-9.8358e+01
255	379	-4.3406e+00	-4.5267e+00	-7.3043e-01	-1.7071e+02	6.3642e+01	-3.1448e+01
	393	-4.3406e+00	-2.5795e+00	-2.1521e-01	-1.7498e+02	8.3875e+01	3.5895e+00
	394	-5.5630e+00	-2.5795e+00	5.4999e-01	-1.0115e+02	3.5170e+01	-2.4992e+01

	389	-5.5630e+00	-4.5267e+00	3.4770e-02	-1.6342e+02	1.0478e+02	-6.0030e+01
256	377	-1.0139e+01	-2.0056e+00	1.9834e+00	-2.0919e+02	1.5892e+01	-2.8511e+01
	392	-1.0139e+01	-1.7888e+00	-2.3211e+00	-2.3476e+02	2.7075e+01	1.0079e+00
	393	-4.3406e+00	-1.7888e+00	-3.1198e+00	-1.8935e+02	2.3917e+01	-3.5271e-01
	379	-4.3406e+00	-2.0056e+00	1.1847e+00	-1.8626e+02	3.7451e+01	-2.9872e+01
257	390	1.4784e+00	2.0392e-01	1.0580e+01	-1.2243e+02	2.0561e+02	2.2194e+02
	389	1.2376e+00	-2.1113e+00	-2.0009e+00	-2.7142e+02	1.0172e+02	-6.2158e+01
	391	-2.4853e+01	-2.0844e+00	-7.3386e-01	-9.6983e+01	-4.3021e+01	-5.2160e+01
	12	-2.5094e+01	2.2998e-01	1.1824e+01	-9.4645e+02	-1.5352e+02	2.2571e+02
258	387	1.1391e+00	-1.3740e-02	-6.5161e-01	-3.9916e+01	9.1680e+00	-7.5285e+01
	379	1.1421e+00	-4.5563e+00	-7.8070e-01	-1.8044e+02	7.2172e+01	-8.2489e+01
	389	1.2827e+00	-4.5353e+00	3.0758e-01	-1.8588e+02	8.7265e+01	2.3359e+00
	390	1.2856e+00	8.4733e-03	4.8094e-01	-4.5189e+01	7.0829e+00	7.1149e+00
259	11	-2.1104e+01	2.5002e-28	-1.0085e+01	-5.0155e+02	-7.8703e+01	-2.0901e+02
	377	-2.1104e+01	-2.0056e+00	-8.3510e-01	-1.5954e+02	-2.8554e+01	-5.3588e+01
	379	1.2484e+00	-2.0056e+00	1.0321e+00	-2.3172e+02	6.9208e+01	-3.8516e+01
	387	1.2484e+00	1.6699e-28	-8.2176e+00	-6.9538e+01	9.3316e+01	-1.9394e+02
260	360	-2.1213e+00	8.9770e-01	1.3141e+00	-5.6569e+01	-6.2726e+00	6.0008e+00
	374	-2.1213e+00	0.0000e+00	-1.1536e+00	-4.1601e+00	3.6029e+01	-1.9731e+01
	502	-1.1831e+01	0.0000e+00	-6.8482e+00	-4.7565e+01	-3.5076e+01	-1.7356e+01
	365	-1.1831e+01	8.9770e-01	-4.3806e+00	-3.9207e+01	-2.1606e+00	8.3758e+00
261	359	-2.4301e+00	-2.0247e+00	-9.8298e-01	-5.7915e+01	-6.4089e+00	4.3199e+00
	372	-2.4301e+00	0.0000e+00	9.4210e-01	4.8248e+01	3.9808e+01	-2.6551e+01
	374	-2.1213e+00	0.0000e+00	1.9760e+00	1.1367e+01	-3.4214e+01	-1.8813e+01
	360	-2.1213e+00	-2.0247e+00	5.0954e-02	-5.2278e+01	-1.8578e+01	1.2058e+01
262	342	-7.1029e+00	2.5793e-01	2.5797e+00	-1.1980e+02	-7.1803e+00	-9.8739e-01
	501	-7.1029e+00	0.0000e+00	5.3586e+00	2.0053e+02	1.0553e+02	-5.8748e+01
	372	-2.4301e+00	2.3534e-29	2.8838e+00	7.6068e+01	-7.9396e+01	-4.6584e+01
	359	-2.4301e+00	2.5793e-01	1.0500e-01	-5.3799e+01	-1.4752e+01	1.1176e+01
263	351	-6.2024e+00	1.1129e+00	-9.1609e-02	-1.8431e+02	1.8703e+01	1.4089e+01
	360	-6.2024e+00	8.9770e-01	5.0381e-01	-1.1716e+02	-5.8177e+00	1.7986e+01
	365	-3.9954e+00	8.9770e-01	2.1152e-01	-1.3944e+02	6.9559e+00	1.7618e+01
	358	-3.9954e+00	1.1129e+00	-3.8391e-01	-1.5809e+02	-1.6110e+01	1.3721e+01
264	345	-4.4498e+00	-1.9398e+00	1.7807e+00	-2.5355e+02	-2.9349e+01	-1.1170e-02
	359	-4.4498e+00	-2.0247e+00	-9.2388e-01	-7.1312e+01	-1.4847e+01	1.6808e+01
	360	-6.2024e+00	-2.0247e+00	-7.5930e-01	-1.0831e+02	8.8413e+00	2.6035e+01
	351	-6.2024e+00	-1.9398e+00	1.9453e+00	-1.9953e+02	-1.3120e+01	9.2151e+00
265	336	-4.6736e+00	-1.9784e+00	-1.0342e+00	-2.1478e+02	2.8752e+01	2.7804e+01
	342	-4.6736e+00	2.5793e-01	6.4287e-03	-8.4381e+01	3.8958e+00	5.1892e+00
	359	-4.4498e+00	2.5793e-01	1.6409e-01	-6.5064e+01	1.1892e+01	1.9165e+01
	345	-4.4498e+00	-1.9784e+00	-8.7650e-01	-2.5699e+02	-6.8200e+01	4.1780e+01
266	357	-2.7807e+00	1.6231e-29	1.9225e+00	-2.0176e+02	-3.2641e+01	-4.3370e+01
	351	-2.7807e+00	1.1129e+00	-1.2138e+00	-2.9374e+02	-2.6516e+00	-4.4203e+00
	358	-1.4044e+01	1.1129e+00	4.6031e+00	-2.8620e+02	-1.1547e-01	-8.6573e+00
	120	-1.4044e+01	6.5343e-29	7.7394e+00	-1.6987e+02	4.6618e+01	-4.7607e+01
267	346	-4.7245e+00	0.0000e+00	-2.3990e+00	-5.4409e+02	-2.1420e+02	-1.2789e+02
	345	-4.7245e+00	-1.9398e+00	1.6774e+00	-1.2265e+02	4.1577e+00	-1.3176e+01
	351	-2.7807e+00	-1.9398e+00	8.2308e-01	-2.9597e+02	-5.9804e+00	-6.7396e+00
	357	-2.7807e+00	0.0000e+00	-3.2533e+00	-2.5465e+02	1.8694e+02	-1.2146e+02
268	14	-1.4937e+00	-3.0848e-29	2.2080e+00	-2.1957e+02	1.6806e+02	7.2608e+01
	336	-1.4937e+00	-1.9784e+00	-2.8850e-01	-4.0309e+02	-4.3173e+01	1.1301e+01
	345	-4.7245e+00	-1.9784e+00	-9.7979e-01	-1.4023e+02	3.3367e+01	1.3389e+01
	346	-4.7245e+00	-2.8484e-29	1.5167e+00	-5.4447e+02	-1.8612e+02	7.4696e+01
269	341	-1.4858e+00	-7.9506e-01	2.3280e-01	-7.6928e+00	-2.2810e+01	-1.6489e+01
	344	-1.4858e+00	1.0348e-14	-5.4361e+00	1.9551e+01	-5.3751e+01	2.5319e+01
	501	-7.1029e+00	1.1217e-15	-1.4842e+00	1.9286e+02	4.0743e+01	2.7994e+01
	342	-7.1029e+00	-7.9506e-01	4.1847e+00	-1.1259e+02	3.2636e+00	-1.3814e+01

270	340	-4.5838e-01	-5.2012e-01	4.7345e+00	-3.2210e+01	-3.1031e+01	-5.0247e+01
	343	-4.5838e-01	0.0000e+00	3.1610e+00	7.4324e+00	-8.1031e+00	-4.2823e+01
	344	-1.4858e+00	0.0000e+00	-1.3430e+00	1.8986e+00	-4.0125e+00	-2.1942e+01
	341	-1.4858e+00	-5.2012e-01	2.3054e-01	-1.4527e+01	-3.2127e+01	-2.9366e+01
271	337	-1.3078e+01	-3.0633e-01	-1.0675e+00	-6.7153e+01	-4.8870e+00	-4.7864e+01
	500	-1.3078e+01	1.2360e-14	5.1523e+00	8.9333e+01	1.9145e+01	-7.1592e+01
	343	-4.5838e-01	2.0348e-14	9.0160e+00	1.0381e+01	-2.6279e+01	-7.0953e+01
	340	-4.5838e-01	-3.0633e-01	2.7962e+00	-2.7029e+01	-3.8090e+00	-4.7225e+01
272	330	-4.2650e+00	5.4246e-01	-4.3480e-01	-2.1127e+02	-6.5661e+01	-1.4619e+01
	341	-4.2650e+00	-7.9506e-01	1.4289e+00	-6.6159e+01	-3.1932e+01	-2.1771e+01
	342	-4.6736e+00	-7.9506e-01	1.6114e+00	-7.5055e+01	-2.2450e+01	2.5824e+00
	336	-4.6736e+00	5.4246e-01	-2.5229e-01	-2.1408e+02	-4.8251e+01	9.7346e+00
273	321	-4.9311e+00	7.3580e-01	2.5303e+00	-1.6376e+02	-7.7382e+01	-2.9655e+01
	340	-4.9311e+00	-5.2012e-01	5.5009e+00	-6.9430e+01	-3.0929e+01	-5.0997e+01
	341	-4.2650e+00	-5.2012e-01	1.4267e+00	-7.0645e+01	-5.8480e+01	-3.7920e+01
	330	-4.2650e+00	7.3580e-01	-1.5439e+00	-1.9746e+02	-4.3993e+01	-1.6578e+01
274	320	-2.1349e+00	5.4734e-01	-7.1538e-02	-9.0204e+01	-2.7456e+01	-8.8843e+00
	337	-2.1349e+00	-3.0633e-01	-1.8051e+00	-7.3935e+01	-1.0234e+00	-4.1046e+01
	340	-4.9311e+00	-3.0633e-01	3.5626e+00	-8.4077e+01	-8.8338e+00	-5.8045e+01
	321	-4.9311e+00	5.4734e-01	5.2962e+00	-1.3269e+02	5.9152e+01	-2.5883e+01
275	335	-1.3933e+01	1.5031e-14	-7.2443e+00	-8.2490e+02	-1.5380e+02	-8.2748e+01
	330	-1.3933e+01	5.4246e-01	-3.6898e+00	-4.7261e+01	-8.3308e+01	4.5079e+01
	336	-1.4937e+00	5.4246e-01	4.9337e-01	-4.2568e+02	-4.7973e+01	-6.8017e+00
	14	-1.4937e+00	6.2029e-15	-3.0611e+00	-2.3731e+02	1.4934e+02	-1.3463e+02
276	326	-1.2055e+00	7.2941e-29	1.3968e+01	-1.2809e+02	2.1453e+02	2.7405e+02
	321	-1.2055e+00	7.3580e-01	2.8411e+00	-2.9209e+02	-2.0704e+01	3.0099e+01
	330	-1.3933e+01	7.3580e-01	-4.7989e+00	-1.6965e+01	-1.1119e+02	-2.2377e+01
	335	-1.3933e+01	3.3044e-29	6.3278e+00	-8.0241e+02	-2.1815e+02	2.2157e+02
277	13	5.8795e+00	1.1142e-15	3.7555e-01	1.6961e+02	8.2808e+01	1.5087e+02
	320	5.8795e+00	5.4734e-01	1.3271e+00	-1.9264e+02	2.8583e+01	1.6327e+01
	321	-1.2055e+00	5.4734e-01	5.6069e+00	-2.2124e+02	1.7872e+01	3.8926e+01
	326	-1.2055e+00	9.7999e-15	4.6554e+00	-2.1948e+01	-9.1595e+01	1.7346e+02
278	294	-3.2377e+00	-1.2552e+00	-5.6629e-01	-1.8848e+01	-7.7418e-01	5.0321e+00
	297	-3.2377e+00	0.0000e+00	-6.5824e+00	-2.3106e+01	1.6185e+01	-2.8562e+00
	499	-1.0223e+01	0.0000e+00	-3.3787e+00	-4.7085e+01	-1.9407e+01	-4.3719e+00
	295	-1.0223e+01	-1.2552e+00	2.6375e+00	-2.1828e+00	4.0902e+00	3.5165e+00
279	293	-3.0638e+00	4.2491e-01	2.6699e+00	-2.0388e+01	1.4995e+00	5.6324e+00
	296	-3.0638e+00	2.7733e-15	2.6941e+00	-1.4787e+01	4.6377e+00	2.4536e+00
	297	-3.2377e+00	-8.7662e-15	-1.8460e+00	-1.8572e+01	-4.2443e+00	2.6799e+00
	294	-3.2377e+00	4.2491e-01	-1.8702e+00	-1.9551e+01	-2.0825e+00	5.8588e+00
280	292	-1.0026e+01	-1.0891e+00	-2.2767e+00	-1.8900e+01	1.7409e+00	4.0656e+00
	498	-1.0026e+01	0.0000e+00	3.7303e+00	-1.6742e+01	-1.7249e+00	5.3800e+00
	296	-3.0638e+00	-2.0720e-29	7.3902e+00	-1.4307e+01	2.2288e+00	5.6371e+00
	293	-3.0638e+00	-1.0891e+00	1.3832e+00	-2.0117e+01	-2.3462e+00	4.3227e+00
281	289	-7.2698e+00	5.1672e-01	-1.8047e+00	-6.4727e+00	-4.7898e-01	3.5584e-01
	294	-7.2698e+00	-1.2552e+00	7.6193e-01	-1.4417e+01	3.2406e-01	6.9124e+00
	295	-5.2640e+00	-1.2552e+00	1.9529e+00	-3.1511e+01	-4.8215e+00	5.7474e+00
	291	-5.2640e+00	5.1672e-01	-6.1369e-01	1.6702e+01	1.0071e+00	-8.0918e-01
282	286	-5.9698e+00	-1.2856e+00	1.8854e+00	-1.7544e+01	-3.7417e+00	1.4696e+00
	293	-5.9698e+00	4.2491e-01	1.3665e+00	-9.8439e+00	-3.5995e+00	5.5184e+00
	294	-7.2698e+00	4.2491e-01	-5.4196e-01	-1.1931e+01	5.6427e-01	7.8220e+00
	289	-7.2698e+00	-1.2856e+00	-2.3092e-02	-1.1702e+01	-9.2307e+00	3.7732e+00
283	285	-1.9065e+00	-6.7799e-01	6.9077e-01	-2.2825e+01	5.7960e-01	-1.2489e+00
	292	-1.9065e+00	-1.0891e+00	-1.7766e+00	-1.0162e+01	-4.6924e-01	2.7692e+00
	293	-5.9698e+00	-1.0891e+00	7.9764e-02	-9.7871e+00	-8.7938e-01	5.1441e+00
	286	-5.9698e+00	-6.7799e-01	2.5472e+00	-1.9474e+01	-1.2173e+01	1.1260e+00
284	290	-3.5832e+00	3.8810e-29	4.2114e+00	4.8075e+01	-4.2917e+01	-3.3132e+01

	289	-3.5832e+00	5.1672e-01	-1.4285e+00	8.4907e-01	-1.2487e+00	-5.4276e+00
	291	-1.6885e+01	5.1672e-01	3.5086e+00	-3.0092e+01	-1.3951e+01	-1.1533e+01
	20	-1.6885e+01	8.4307e-29	9.1484e+00	1.0471e+02	5.4053e+01	-3.9238e+01
285	288	-2.6063e+00	-2.0336e-15	-1.0002e+00	2.0202e+01	-2.0123e+01	-1.8898e+01
	286	-2.6063e+00	-1.2856e+00	3.9689e-01	-9.8866e-01	-1.3105e+01	-2.5133e+00
	289	-3.5832e+00	-1.2856e+00	3.5312e-01	-1.3172e+00	-3.1748e+00	-6.3941e+00
	290	-3.5832e+00	-2.2325e-15	-1.0440e+00	3.5723e+01	2.0585e+01	-2.2778e+01
286	19	-9.1139e+00	-6.8090e-02	-6.7306e+00	1.2125e+01	-4.7749e+00	-1.0638e+01
	285	-9.0546e+00	-7.0197e-01	-8.8301e-01	-7.7944e+00	-3.8042e+00	-2.6199e+00
	286	-2.5448e+00	-6.8143e-01	1.1302e+00	-4.8275e+00	-9.4604e+00	-5.4452e+00
	288	-2.4855e+00	-4.8202e-02	-4.7208e+00	1.6589e+01	3.5785e+00	-1.3383e+01
287	281	-1.8401e+00	-1.6154e+00	-1.8395e+00	-1.0200e+01	-1.4745e-01	6.5032e-01
	284	-1.8401e+00	-1.4897e-14	-7.7261e+00	-9.3860e+00	8.3673e+00	-5.1301e+00
	497	-9.1574e+00	-6.4431e-15	-3.7470e+00	-3.0611e+01	-8.5518e+00	-5.7934e+00
	282	-9.1574e+00	-1.6154e+00	2.1397e+00	3.5286e+00	2.0086e+00	-1.2951e-02
288	280	-2.4412e+00	-5.5377e-02	2.1959e+00	-1.2810e+01	7.8746e-01	2.3935e-01
	283	-2.4412e+00	2.6631e-16	1.9522e+00	-6.8832e+00	-5.4909e-01	1.7564e+00
	284	-1.8401e+00	1.0274e-14	-3.0396e+00	-6.6548e+00	1.2560e+00	1.1105e+00
	281	-1.8401e+00	-5.5377e-02	-2.7959e+00	-1.1071e+01	1.9115e+00	-4.0655e-01
289	279	-1.3450e+01	-1.7063e+00	-2.7573e+00	7.0758e+00	3.0814e+00	6.1764e-01
	496	-1.3450e+01	9.7142e-15	4.7767e+00	-4.5632e+01	-1.4384e+01	1.1251e+01
	283	-2.4412e+00	2.0507e-14	8.3311e+00	-1.1868e+01	1.3934e+01	1.0436e+01
	280	-2.4412e+00	-1.7063e+00	7.9712e-01	-1.2897e+01	-1.0187e+00	-1.9684e-01
290	276	-4.9853e+00	-1.5394e+00	-1.1959e+00	7.6608e+00	-3.6071e-01	-7.6360e-01
	281	-4.9853e+00	-1.6154e+00	6.3663e-01	8.9727e-01	6.5246e-02	4.0272e-01
	282	-1.9975e+00	-1.6154e+00	9.0739e-01	-5.6497e+00	3.5000e-01	1.2924e+00
	278	-1.9975e+00	-1.5394e+00	-9.2515e-01	1.5720e+01	-1.9678e+00	1.2603e-01
291	274	-7.0587e+00	-1.2812e+00	-4.5731e-01	5.3525e+00	-3.0085e+00	-2.1347e+00
	280	-7.0587e+00	-5.5377e-02	-2.5045e-01	2.4863e+00	1.4829e+00	-1.8896e+00
	281	-4.9853e+00	-5.5377e-02	-3.1980e-01	2.1229e+00	4.5709e-02	3.8758e-01
	276	-4.9853e+00	-1.2812e+00	-5.2665e-01	6.0338e+00	-2.4861e+00	1.4248e-01
292	273	-6.8450e+00	-1.1677e+00	1.3765e+00	1.6902e+01	-1.8995e+00	-1.8312e+00
	279	-6.8450e+00	-1.7063e+00	-1.3435e+00	-9.1296e+00	1.2713e+00	-1.8068e+00
	280	-7.0587e+00	-1.7063e+00	-1.6492e+00	6.9132e-01	-9.6859e-01	-9.6995e-01
	274	-7.0587e+00	-1.1677e+00	1.0708e+00	7.1129e+00	-3.7881e-01	-9.9438e-01
293	277	-1.6864e+00	1.5358e-14	7.1771e+00	1.5794e+01	-1.5405e+01	-1.1962e+01
	276	-1.6864e+00	-1.5394e+00	1.0914e+00	2.1762e+01	2.7638e-01	-7.2645e-01
	278	-1.0010e+01	-1.5394e+00	-1.1614e+00	-1.1470e+00	-3.9438e+00	-1.9407e+00
	18	-1.0010e+01	1.0672e-14	4.9244e+00	5.3275e+01	1.5483e+01	-1.3176e+01
294	275	-2.3088e+00	1.6562e-15	-1.1389e+00	1.0533e+01	-6.6320e-01	-1.1702e-02
	274	-2.3088e+00	-1.2812e+00	-1.9431e+00	2.2680e+01	-2.7054e+00	-2.4308e-01
	276	-1.6864e+00	-1.2812e+00	1.7606e+00	2.2265e+01	-3.1173e+00	-1.6287e+00
	277	-1.6864e+00	-5.8239e-15	2.5648e+00	1.0648e+01	-8.8600e-01	-1.3974e+00
295	17	-1.8357e+01	-1.4782e-14	-7.5724e+00	5.5938e+01	1.6450e+01	1.2250e+01
	273	-1.8357e+01	-1.1677e+00	1.5583e-02	-2.2670e+00	-3.8954e+00	4.2121e-01
	274	-2.3088e+00	-1.1677e+00	-4.1497e-01	2.2256e+01	1.7927e-01	-8.2496e-01
	275	-2.3088e+00	-1.5844e-14	-8.0029e+00	1.6074e+01	-1.6323e+01	1.1004e+01
296	268	-2.4535e+00	-1.9618e+00	-1.2064e+00	7.8201e+00	4.2871e-01	-1.2463e+01
	272	-2.4535e+00	0.0000e+00	-8.7964e+00	1.3561e+01	-2.0198e+01	1.4286e+00
	495	-1.1838e+01	0.0000e+00	-4.5340e+00	6.6053e+01	2.1591e+01	2.2764e+00
	269	-1.1838e+01	-1.9618e+00	3.0559e+00	-2.6655e+01	-1.6508e+00	-1.1615e+01
297	267	-2.5762e+00	-1.6122e-01	3.4498e+00	2.2120e+00	-3.2648e+00	-1.3628e+01
	271	-2.5762e+00	0.0000e+00	2.9548e+00	8.2487e+00	-1.0773e+00	-1.0874e+01
	272	-2.4535e+00	-6.7014e-29	-2.8255e+00	5.7380e+00	1.1750e+00	-1.0908e+01
	268	-2.4535e+00	-1.6122e-01	-2.3305e+00	8.2946e+00	3.4661e+00	-1.3662e+01
298	266	-1.5268e+01	-1.8934e+00	-2.3880e+00	-8.9214e+00	-3.8398e+00	-9.6972e+00
	494	-1.5268e+01	0.0000e+00	5.8189e+00	3.1535e+01	9.4856e+00	-1.7650e+01

	271	-2.5762e+00	0.0000e+00	1.0048e+01	1.0984e+01	-8.7534e+00	-1.7249e+01
	267	-2.5762e+00	-1.8934e+00	1.8408e+00	1.3144e+00	3.3339e+00	-9.2957e+00
299	231	-7.0874e+00	-1.6761e+00	-1.0336e+00	-3.3036e+01	-7.7877e+00	8.2870e-01
	268	-7.0874e+00	-1.9618e+00	1.7996e+00	-2.2408e+01	1.7018e+00	-1.4802e+01
	269	-5.1075e+00	-1.9618e+00	1.4212e+00	8.2673e+00	1.6058e+00	-1.6121e+01
	237	-5.1075e+00	-1.6761e+00	-1.4120e+00	-8.3984e+01	1.5161e+01	-4.8970e-01
300	229	-7.1014e+00	-1.5114e+00	6.0529e-01	-2.9980e+01	-4.2734e+00	-6.6021e+00
	267	-7.1014e+00	-1.6122e-01	7.9358e-01	-1.3321e+01	6.3719e+00	-1.1668e+01
	268	-7.0874e+00	-1.6122e-01	6.7554e-01	-2.6190e+01	-2.1531e+00	-1.6422e+01
	231	-7.0874e+00	-1.5114e+00	4.8726e-01	-2.3681e+01	2.3156e+01	-1.1357e+01
301	228	-5.2890e+00	-1.4606e+00	1.2176e+00	-1.7469e+01	-2.8900e+00	1.4634e+00
	266	-5.2890e+00	-1.8934e+00	-1.2164e+00	-1.0748e+01	-7.9430e-01	-7.5161e+00
	267	-7.1014e+00	-1.8934e+00	-8.1539e-01	-1.1481e+01	3.2540e+00	-9.8025e+00
	229	-7.1014e+00	-1.4606e+00	1.6186e+00	-2.8383e+01	1.2401e+01	-8.2304e-01
302	232	-2.4449e+00	0.0000e+00	1.0157e+01	-6.7230e+01	9.5697e+01	8.7717e+01
	231	-2.4449e+00	-1.6761e+00	1.2185e+00	-9.1523e+01	-8.3669e+00	1.0435e+01
	237	-1.7840e+01	-1.6761e+00	-1.0670e+00	3.0797e+01	2.1245e+01	1.5379e+01
	16	-1.7840e+01	0.0000e+00	7.8720e+00	-2.8978e+02	-9.8064e+01	9.2660e+01
303	230	-2.2540e+00	7.4469e-29	-1.5844e+00	-2.6958e+01	1.9882e+01	3.1159e+01
	229	-2.2540e+00	-1.5114e+00	-1.5068e+00	-4.9876e+01	1.9722e+01	1.8331e+00
	231	-2.4449e+00	-1.5114e+00	2.7393e+00	-8.3323e+01	-1.7279e+00	6.1084e+00
	232	-2.4449e+00	-2.6173e-29	2.6617e+00	-3.1546e+01	-1.5074e+01	3.5434e+01
304	15	-1.5320e+01	0.0000e+00	-6.7823e+00	1.4563e-01	1.4579e+01	2.3911e+01
	228	-1.5320e+01	-1.4606e+00	1.4317e-01	-3.7103e+01	2.6008e-01	7.2121e+00
	229	-2.2540e+00	-1.4606e+00	-4.9351e-01	-3.9476e+01	8.7431e+00	9.2424e+00
	230	-2.2540e+00	0.0000e+00	-7.4189e+00	-1.9140e+01	-1.1837e+01	2.5942e+01
305	224	3.4212e-01	-1.1865e+00	3.0917e+00	-2.1026e+01	1.0861e+01	3.7789e+01
	227	3.4212e-01	1.2405e-14	-7.3729e+00	-1.7018e+01	3.0226e+01	-1.1498e+01
	493	-1.2857e+01	1.1177e-14	-6.6248e+00	-1.5764e+02	-2.3882e+01	-7.8842e+00
	225	-1.2857e+01	-1.1865e+00	3.8398e+00	5.4855e+00	-1.0761e+01	4.1403e+01
306	223	5.8779e-01	-1.5348e+00	3.4102e+00	1.0018e+01	-7.0209e+00	2.9584e+01
	226	5.8779e-01	4.2127e-15	2.6815e+00	-2.9166e-01	1.4749e+00	2.1456e+01
	227	3.4212e-01	-5.1525e-15	3.3311e-01	5.5431e-01	-1.5587e+00	2.1686e+01
	224	3.4212e-01	-1.5348e+00	1.0618e+00	-9.6439e+00	6.5399e+00	2.9813e+01
307	222	-4.7881e+00	-1.0137e+00	-1.8647e+00	-1.5018e+00	5.5824e+00	3.0179e+01
	492	-4.7881e+00	-2.1838e-15	3.5147e+00	9.0518e+01	1.3134e+01	3.4376e+00
	226	5.8779e-01	-1.1593e-14	6.8749e+00	1.0332e+01	-1.7220e+01	3.2299e+00
	223	5.8779e-01	-1.0137e+00	1.4954e+00	1.6773e+01	-9.3099e+00	2.9972e+01
308	219	-4.9564e+00	-1.4116e+00	-1.5432e+00	6.3175e+01	5.6547e+00	2.2085e+01
	224	-4.9564e+00	-1.1865e+00	4.3932e+00	7.8404e+00	-3.7023e+00	3.9107e+01
	225	-1.2715e+01	-1.1865e+00	3.2804e+00	1.0569e+01	1.2086e+01	5.2236e+01
	221	-1.2715e+01	-1.4116e+00	-2.6561e+00	9.9855e+01	-1.9954e+01	3.5214e+01
309	217	-1.2412e+00	-2.3235e+00	2.9718e-01	-1.3646e+01	1.3663e+01	6.0221e+00
	223	-1.2412e+00	-1.5348e+00	1.7052e+00	3.7611e+00	-1.8154e+01	3.2712e+01
	224	-4.9564e+00	-1.5348e+00	2.3633e+00	1.0199e+01	1.5301e+01	4.0366e+01
	219	-4.9564e+00	-2.3235e+00	9.5533e-01	4.1706e+01	-2.9740e+01	1.3676e+01
310	216	-1.9152e+00	-9.2893e-01	8.8059e-01	-6.1157e+01	1.1932e+01	2.0082e+01
	222	-1.9152e+00	-1.0137e+00	-4.2228e-01	-4.1836e+00	-8.8856e+00	3.6059e+01
	223	-1.2412e+00	-1.0137e+00	-2.0961e-01	1.4334e-01	-5.6942e-01	2.9554e+01
	217	-1.2412e+00	-9.2893e-01	1.0932e+00	-2.8495e+01	-1.0149e+01	1.3577e+01
311	220	1.4056e+00	-2.4259e-14	1.1855e+01	6.0417e+01	-9.9436e+01	-1.7778e+02
	219	1.4056e+00	-1.4116e+00	-1.3461e+00	1.3452e+02	-3.3010e+01	-3.4539e+00
	221	-2.1765e+01	-1.4116e+00	-2.3141e+00	7.6623e+01	3.5034e+01	6.0430e+00
	10	-2.1765e+01	-2.2238e-14	1.0887e+01	5.2190e+02	8.5052e+01	-1.6828e+02
312	218	2.3051e-01	-6.8950e-16	-2.0112e-01	5.9383e+00	-1.3601e+01	-6.7788e+01
	217	2.3051e-01	-2.3235e+00	-5.4583e-01	-3.7440e+01	2.3288e+00	-1.8701e+01
	219	1.4056e+00	-2.3235e+00	1.1524e+00	7.8994e+01	-1.8936e+01	-2.7295e+01

	220	1.4056e+00	2.8486e-15	1.4972e+00	3.1467e+00	1.1843e+01	-7.6382e+01
313	9	-4.2130e+00	4.9924e-15	-2.3061e+00	-3.4940e+02	-5.8283e+01	-1.1959e+02
	216	-4.2130e+00	-9.2893e-01	1.4624e-01	-4.5644e+01	-2.4579e+01	9.0643e-01
	217	2.3051e-01	-9.2893e-01	2.5024e-01	-7.7711e+01	1.5819e+01	-9.3164e+00
	218	2.3051e-01	4.8257e-15	-2.2021e+00	-3.8360e+01	6.7186e+01	-1.2982e+02
314	210	-1.9903e+00	-1.6752e+00	-2.3361e+00	-3.1241e+02	3.5111e+01	3.6954e+01
	215	-1.9903e+00	-2.5464e-14	-8.6020e+00	-1.0808e+02	1.5322e+01	4.6212e+01
	479	-9.1926e+00	-5.9985e-15	-3.4832e+00	-1.6252e+02	-4.3766e+00	3.3556e+01
	211	-9.1926e+00	-1.6752e+00	2.7827e+00	-2.4542e+02	1.3209e+01	2.4297e+01
315	209	-2.6805e+00	1.1542e-01	2.8123e+00	-4.2665e+02	1.8317e+01	4.2948e+01
	212	-2.6805e+00	-1.8257e-17	2.1413e+00	-1.1425e+02	-2.6424e+01	1.1004e+02
	215	-1.9903e+00	1.1628e-15	-3.5951e+00	-1.1234e+02	4.5968e+01	8.7722e+01
	210	-1.9903e+00	1.1542e-01	-2.9242e+00	-3.3768e+02	6.7139e+01	2.0628e+01
316	208	-1.4717e+01	-1.7312e+00	-2.3349e+00	-1.0839e+02	5.6312e+01	6.2369e+01
	478	-1.4717e+01	8.9885e-15	4.6532e+00	-8.4284e+02	-2.5352e+02	2.7754e+02
	212	-2.6805e+00	2.0818e-14	8.9418e+00	-2.0807e+02	2.5736e+02	2.6645e+02
	209	-2.6805e+00	-1.7312e+00	1.9537e+00	-4.5170e+02	-1.9713e+01	5.1276e+01
317	205	-5.4360e+00	-4.6959e-01	-1.0728e+00	-3.6168e+02	5.9003e+01	4.5584e-01
	210	-5.4360e+00	-1.6752e+00	-4.8748e-02	-3.3779e+02	4.6747e+01	1.1917e+01
	211	-2.2405e+00	-1.6752e+00	7.8613e-01	-2.8725e+02	1.6625e+01	7.4550e+00
	207	-2.2405e+00	-4.6959e-01	-2.3788e-01	-3.9669e+02	1.7546e+01	-4.0066e+00
318	203	-7.0251e+00	-3.8044e+00	3.5497e-01	-4.4893e+02	4.0438e+01	-3.4013e+01
	209	-7.0251e+00	1.1542e-01	8.4560e-01	-3.0637e+02	7.6238e+01	-7.9249e-01
	210	-5.4360e+00	1.1542e-01	-6.3683e-01	-3.3852e+02	2.4558e+01	7.2850e+00
	205	-5.4360e+00	-3.8044e+00	-1.1275e+00	-3.7179e+02	3.6505e+01	-2.5935e+01
319	202	-7.4191e+00	-1.4077e-01	-6.1495e-01	-4.0980e+02	2.2680e+01	-3.7981e+01
	208	-7.4191e+00	-1.7312e+00	-3.7918e-01	-4.5006e+02	4.8893e+01	2.0328e+01
	209	-7.0251e+00	-1.7312e+00	-1.2976e-02	-3.2364e+02	-1.6137e+01	3.2530e+01
	203	-7.0251e+00	-1.4077e-01	-2.4875e-01	-4.5724e+02	-2.5955e+01	-2.5780e+01
320	206	-1.2554e+00	6.4391e-15	2.9358e+00	-2.1087e+02	1.0833e+02	1.3982e+01
	205	-1.2554e+00	-4.6959e-01	-8.8860e-01	-5.4784e+02	1.9648e+01	-3.3026e+01
	207	-1.4136e+01	-4.6959e-01	4.9788e+00	-2.8067e+02	4.7777e+01	-1.4675e+01
	6	-1.4136e+01	1.8219e-14	8.8031e+00	-5.4172e+02	-9.5099e+01	3.2334e+01
321	204	-4.1501e+00	-2.1573e-15	7.6889e-01	-6.4165e+02	-1.6305e+02	-1.9445e+02
	203	-4.1501e+00	-3.8044e+00	2.0470e-01	-3.4535e+02	3.0859e+01	-5.4281e+01
	205	-1.2554e+00	-3.8044e+00	-9.4330e-01	-5.6834e+02	3.0080e+01	-3.7641e+01
	206	-1.2554e+00	4.1294e-16	-3.7911e-01	-2.2880e+02	1.7485e+02	-1.7781e+02
322	5	-1.9199e+01	-1.1613e-14	-6.0871e+00	-6.6647e+02	-1.5836e+01	-9.1034e+01
	202	-1.9199e+01	-1.4077e-01	-7.1246e+00	-4.5343e+02	-7.9052e+00	-4.9780e+01
	203	-4.1501e+00	-1.4077e-01	-3.9901e-01	-3.6743e+02	1.5530e+00	-5.0371e+01
	204	-4.1501e+00	1.8877e-15	6.3842e-01	-6.9659e+02	1.1229e+01	-9.1625e+01
323	198	-3.5189e+00	-2.3301e+00	-3.1130e+00	2.6762e+02	-4.0521e+01	-1.4904e+01
	201	-3.5189e+00	-1.0729e-14	-1.3408e+01	8.0628e+01	-2.1115e+00	-3.4662e+01
	475	-2.1587e+01	-6.9245e-15	-8.1889e+00	9.7871e+01	-1.0394e+01	-2.0028e+01
	199	-2.1587e+01	-2.3301e+00	2.1064e+00	2.2361e+02	-1.5202e+01	-2.6876e-01
324	197	-3.4546e+00	-2.8052e-01	3.3623e+00	3.5564e+02	-3.9015e+01	-4.0396e+01
	200	-3.4546e+00	0.0000e+00	3.9231e+00	9.5692e+01	1.7900e+01	-9.5172e+01
	201	-3.5189e+00	1.6983e-28	-3.9216e+00	9.0887e+01	-4.2364e+01	-6.4784e+01
	198	-3.5189e+00	-2.8052e-01	-4.4823e+00	2.8625e+02	-7.5182e+01	-1.0009e+01
325	196	-1.6391e+01	-2.6708e+00	-3.5082e+00	1.1690e+02	-5.4913e+01	-6.8809e+01
	474	-1.6391e+01	0.0000e+00	6.1192e+00	6.5360e+02	1.9273e+02	-2.3555e+02
	200	-3.4546e+00	0.0000e+00	1.2212e+01	1.6671e+02	-2.0133e+02	-2.1940e+02
	197	-3.4546e+00	-2.6708e+00	2.5842e+00	3.7793e+02	-1.3646e+00	-5.2665e+01
326	191	-9.7281e+00	-1.1792e-01	-1.6480e+00	3.5365e+02	-4.3121e+01	4.6723e+00
	198	-9.7281e+00	-2.3301e+00	-5.1769e-01	3.0750e+02	-5.8023e+01	1.3295e+01
	199	-7.2235e+00	-2.3301e+00	1.1179e+00	2.3814e+02	-1.7540e+01	2.1211e+01
	193	-7.2235e+00	-1.1792e-01	-1.2359e-02	4.3469e+02	-5.5820e+01	1.2589e+01

327	189	-9.5625e+00	-7.5038e+00	-3.3725e-02	3.5759e+02	-1.1073e+02	7.3415e+00
	197	-9.5625e+00	-2.8052e-01	3.1717e-02	3.2466e+02	-9.7258e+01	-8.6335e+00
	198	-9.7281e+00	-2.8052e-01	-1.8871e+00	3.2173e+02	-5.4848e+01	1.0318e+01
	191	-9.7281e+00	-7.5038e+00	-1.9525e+00	3.3887e+02	-9.7340e+01	2.6293e+01
328	188	-6.9018e+00	3.1384e-01	-1.0366e-01	4.7796e+02	-8.1152e+01	3.4753e+01
	196	-6.9018e+00	-2.6708e+00	-9.7771e-01	3.5053e+02	-5.9773e+01	-5.1559e+01
	197	-9.5625e+00	-2.6708e+00	-7.4638e-01	3.3029e+02	-1.2257e+01	-4.3188e+01
	189	-9.5625e+00	3.1384e-01	1.2766e-01	3.8129e+02	-1.5598e+01	4.3124e+01
329	192	-2.2692e+00	3.4587e-15	2.8738e+00	2.7971e+02	-2.4597e+02	-1.5576e+02
	191	-2.2692e+00	-1.1792e-01	-2.6860e+00	5.3800e+02	-2.9557e+01	1.9598e+01
	193	-2.7123e+01	-1.1792e-01	1.0122e+01	1.3806e+02	-6.2563e+01	-6.8032e+00
	8	-2.7123e+01	1.7492e-14	1.5682e+01	9.1718e+02	2.3181e+02	-1.8216e+02
330	190	-2.2120e+00	-1.0207e-28	2.5387e+00	2.0764e+02	-3.6660e+00	8.3357e+01
	189	-2.2120e+00	-7.5038e+00	1.8831e+00	5.8164e+02	-8.4764e+01	5.5485e+01
	191	-2.2692e+00	-7.5038e+00	-2.9905e+00	5.4977e+02	-9.7699e+01	6.9207e+00
	192	-2.2692e+00	-3.2227e-29	-2.3348e+00	2.0176e+02	-3.5387e+01	3.4794e+01
331	7	-3.1689e+01	-4.4202e-28	-1.7517e+01	1.1899e+03	3.3326e+02	3.4674e+02
	188	-3.1689e+01	3.1384e-01	-1.2182e+01	9.8921e+01	-8.9000e+01	7.2945e+01
	189	-2.2120e+00	3.1384e-01	2.0444e+00	5.9250e+02	-2.7226e+00	4.6009e+01
	190	-2.2120e+00	-8.3030e-29	-3.2904e+00	3.2541e+02	-3.4544e+02	3.1980e+02
766	166	-1.4873e+00	-2.4550e-15	1.3815e+00	1.1220e+03	9.7881e+01	5.9058e+01
	169	-1.4873e+00	5.4383e-15	1.3835e+00	-1.4489e+03	-2.1748e+02	1.4259e+02
	170	-1.2025e+00	8.4823e-15	-7.7950e-01	-6.1566e+02	2.1980e+02	1.4421e+02
	167	-1.2025e+00	-2.6500e-16	-7.8151e-01	4.0548e+02	-1.0020e+02	6.0677e+01
767	164	-2.4564e+00	-1.1080e-14	7.7108e-01	9.0303e+02	9.8830e+01	6.0844e+01
	166	-2.4564e+00	5.4921e-15	9.2242e-01	-8.2723e+02	-1.0824e+02	6.7417e+01
	167	-3.2948e+00	1.7083e-15	-6.0813e-01	-3.1373e+02	1.0982e+02	6.8518e+01
	165	-3.2948e+00	-9.2309e-15	-7.5947e-01	3.9871e+02	-1.0041e+02	6.1945e+01
768	3	-3.6723e+00	-6.2687e-15	6.0845e-01	7.8010e+02	1.0147e+02	6.4691e+01
	164	-3.6723e+00	-2.9675e-15	3.1838e-01	-8.7570e+02	-9.7922e+01	6.2214e+01
	165	-4.3939e+00	-4.4100e-15	-2.4840e-01	-3.8743e+02	9.9427e+01	6.3265e+01
	2	-4.3939e+00	-1.9053e-16	4.1674e-02	2.8837e+02	-1.0297e+02	6.5742e+01
769	128	-1.6370e+00	-1.8947e-14	7.7979e-01	-1.0112e+03	-1.0455e+02	-8.2324e+01
	162	-1.6370e+00	0.0000e+00	8.7572e-01	1.2812e+03	2.2263e+02	-1.6480e+02
	163	-7.8268e-01	-1.8493e-15	-5.1000e-01	4.2089e+02	-2.2455e+02	-1.6614e+02
	129	-7.8268e-01	-1.7781e-14	-6.0593e-01	-2.6609e+02	1.0647e+02	-8.3666e+01
770	124	-3.2504e+00	-8.8502e-16	6.5881e-01	-8.1153e+02	-1.0584e+02	-8.2105e+01
	128	-3.2504e+00	-9.0072e-15	5.9355e-01	7.4318e+02	1.1642e+02	-8.9496e+01
	129	-2.7676e+00	-1.0359e-14	-5.1087e-01	1.9272e+02	-1.1773e+02	-9.0406e+01
	125	-2.7676e+00	2.2125e-16	-4.4562e-01	-2.7140e+02	1.0714e+02	-8.3015e+01
771	4	-5.3447e+00	-5.3628e-15	1.6737e-01	-6.9849e+02	-1.0521e+02	-7.9663e+01
	124	-5.3447e+00	9.0072e-15	4.0171e-01	7.6405e+02	1.0848e+02	-8.1944e+01
	125	-4.3012e+00	8.1117e-15	-1.9241e-01	2.3830e+02	-1.0969e+02	-8.2790e+01
	54	-4.3012e+00	-4.2888e-15	-4.2675e-01	-1.7592e+02	1.0642e+02	-8.0509e+01
772	119	-1.7458e+00	-1.0758e-15	1.4851e+00	6.9429e+02	6.2645e+00	-1.8272e+00
	122	-1.7458e+00	8.0337e-15	1.5170e+00	-9.3688e+02	-5.7129e+01	5.8893e+01
	123	-4.0401e-01	1.7737e-15	-7.1494e-01	-3.8572e+01	1.0964e+02	1.2157e+02
	121	-4.0401e-01	4.3653e-17	-7.4679e-01	-5.9052e+01	-5.8773e+01	6.0855e+01
773	117	-2.7439e+00	-5.6538e-15	1.0846e+00	5.6913e+02	3.0170e+01	2.7833e+01
	119	-2.7439e+00	3.6024e-15	1.1877e+00	-5.1222e+02	-2.2186e+01	1.8302e+01
	121	-2.5902e+00	4.1206e-15	-5.8629e-01	7.4122e+01	5.3718e+01	5.5944e+01
	118	-2.5902e+00	-8.9605e-15	-6.8938e-01	-3.9964e+01	-6.1702e+01	6.5475e+01
774	72	-4.2205e+00	-3.4369e-15	1.0080e+00	4.5494e+02	2.2392e+01	2.0552e+01
	117	-4.2205e+00	-9.6354e-16	8.8321e-01	-5.4502e+02	-3.1558e+01	3.1494e+01
	118	-4.2380e+00	-2.5470e-15	-5.0437e-01	4.7704e+01	5.8961e+01	6.4206e+01
	73	-4.2380e+00	-6.7073e-15	-3.7954e-01	-1.1166e+02	-4.9795e+01	5.3264e+01
775	113	-5.1100e-02	-1.0436e-14	6.0431e-01	-1.4974e+01	7.7572e-01	-2.2384e+00

	115	-5.1100e-02	-4.4011e-01	5.3033e-01	2.7406e+01	-9.4467e+00	-9.3033e+00
	116	-5.7643e-01	-4.4011e-01	-2.8209e-01	1.2727e+01	7.0519e+00	-9.7499e+00
	114	-5.7643e-01	-9.1841e-15	-2.0811e-01	-9.7439e+00	-1.8352e+00	-2.6849e+00
776	111	-1.9279e+00	-5.9082e-15	7.3409e-01	-2.4460e+00	1.1923e+00	-1.6270e+00
	113	-1.9279e+00	-2.1366e-15	7.5030e-01	3.6747e+00	1.1731e+00	-3.2088e+00
	114	-1.8276e+00	-6.7001e-16	-2.2809e-01	2.8815e+00	-1.0739e+00	-3.1425e+00
	112	-1.8276e+00	-9.1811e-15	-2.4429e-01	-3.7685e+00	-1.2915e+00	-1.5606e+00
777	70	-3.3881e+00	3.2216e-15	4.6098e-01	-3.0823e+00	6.9404e-01	-1.3666e+00
	111	-3.3881e+00	-2.1004e-15	4.0989e-01	4.5588e+00	-5.1090e-01	-1.4891e+00
	112	-3.3320e+00	-5.0918e-15	-3.3189e-03	7.5432e+00	6.7724e-01	-1.3779e+00
	71	-3.3320e+00	4.3448e-15	4.7765e-02	-6.2306e+00	-8.6038e-01	-1.2554e+00
778	107	-5.7229e-01	-7.8284e-15	4.2381e-01	-1.1261e+01	2.7053e+00	-2.1448e+00
	109	-5.7229e-01	1.6606e-01	4.7115e-01	1.0023e+01	7.4131e+00	-4.6979e-01
	110	-7.7539e-01	1.6606e-01	-4.7121e-01	2.3560e+01	-8.0020e+00	7.2072e-01
	108	-7.7539e-01	-9.3019e-15	-5.1855e-01	-2.3196e+01	-8.2741e+00	-9.5426e-01
779	105	-1.8356e+00	1.0735e-15	2.1074e-01	-1.2013e+01	2.6042e+00	-1.1791e+00
	107	-1.8356e+00	-9.0072e-15	2.6348e-01	1.1804e+01	-2.4608e+00	-1.2477e+00
	108	-1.9793e+00	-7.4674e-15	-4.9018e-01	2.2525e+01	6.8043e+00	8.2902e-01
	106	-1.9793e+00	-2.6838e-16	-5.4293e-01	-2.2800e+01	-6.9477e+00	8.9759e-01
780	68	-3.4178e+00	-3.3638e-15	1.7470e-01	-1.0212e+01	-2.3013e+00	-2.9311e+00
	105	-3.4178e+00	0.0000e+00	5.0525e-02	1.0998e+01	-2.8548e+00	-4.6583e-01
	106	-3.1111e+00	1.0759e-15	-3.5149e-01	1.6472e+01	6.0592e+00	1.0663e+00
	69	-3.1111e+00	-2.8495e-16	-2.2732e-01	-1.3329e+01	-9.0320e-01	-1.3989e+00
781	101	-7.1743e-01	-9.0072e-15	7.8532e-01	-1.0801e+01	-5.1403e+00	-9.1358e+00
	103	-7.1743e-01	-5.4008e-01	9.7409e-01	1.9100e+01	-1.0474e+01	-4.0783e+00
	104	2.0626e-02	-5.4008e-01	-1.5244e+00	1.9751e+01	1.8276e+01	-1.8013e+00
	102	2.0626e-02	-9.0072e-15	-1.7132e+00	-4.6880e+00	6.1334e+00	-6.8589e+00
782	99	-1.9490e+00	9.0072e-15	6.2783e-01	-1.5864e+01	-5.2640e+00	-5.9446e+00
	101	-1.9490e+00	-9.0072e-15	6.4435e-01	1.4065e+01	7.0490e+00	-7.1383e+00
	102	-2.2497e+00	-9.0072e-15	-1.6798e+00	-1.4180e+01	-7.0104e+00	-7.1125e+00
	100	-2.2497e+00	9.0072e-15	-1.6963e+00	1.0785e+01	5.2255e+00	-5.9188e+00
783	66	-3.3174e+00	-7.7092e-30	3.7027e-01	-1.1917e+01	-2.4806e+00	-3.4897e+00
	99	-3.3174e+00	9.0072e-15	2.3902e-01	1.2310e+01	6.1658e+00	-5.9542e+00
	100	-3.7234e+00	9.0072e-15	-1.1164e+00	-8.4963e+00	-6.0871e+00	-5.9015e+00
	67	-3.7234e+00	1.6520e-30	-9.8513e-01	5.5930e+00	2.4018e+00	-3.4370e+00
784	95	-5.5864e-01	4.5036e-15	3.3117e-01	7.3659e+00	7.3443e+00	-3.1086e+00
	97	-5.5864e-01	0.0000e+00	3.5864e-01	-5.0701e-01	-6.0613e+00	-4.1912e+00
	98	-6.2089e-01	-3.5906e-30	-6.0017e-01	3.9613e+01	4.1833e+00	-5.7758e+00
	96	-6.2089e-01	4.5036e-15	-6.2764e-01	-3.4581e+01	-5.4663e+00	-4.6932e+00
785	93	-1.7312e+00	-1.0480e-30	3.5801e-01	-8.2167e-01	8.2489e+00	-1.2219e+00
	95	-1.7312e+00	4.5036e-15	2.9148e-01	-1.9756e+00	-6.6714e+00	-2.5530e+00
	96	-1.5415e+00	4.5036e-15	-5.2837e-01	4.1295e+01	4.2226e+00	-4.6192e+00
	94	-1.5415e+00	5.2400e-31	-4.6184e-01	-4.6338e+01	-5.8002e+00	-3.2881e+00
786	63	-2.9184e+00	-9.7564e-31	8.9232e-03	3.0549e+01	1.4743e+01	6.2606e+00
	93	-2.9184e+00	0.0000e+00	1.8470e-01	-1.7673e+01	-5.2448e+00	-1.7535e+00
	94	-2.6077e+00	-1.7709e-30	-3.3351e-01	4.2866e+01	4.1643e+00	-2.6652e+00
	62	-2.6077e+00	4.8782e-31	-5.0929e-01	-4.3514e+01	-1.3663e+01	5.3489e+00
787	88	-6.0132e-01	-9.9164e-16	3.0635e-01	-3.5922e+02	-1.7375e+01	-3.0046e+01
	90	-6.0132e-01	3.6417e-15	3.2909e-01	4.1838e+02	2.8048e+01	-4.2788e+01
	92	-3.6553e-01	5.2234e-15	-2.5069e-01	-6.4470e+01	-4.8258e+01	-6.6913e+01
	89	-3.6553e-01	4.0237e-17	-2.7343e-01	9.3210e+01	3.7584e+01	-5.4171e+01
788	86	-1.5158e+00	3.5141e-15	3.6579e-01	-2.6938e+02	-1.7479e+01	-2.9048e+01
	88	-1.5158e+00	3.6729e-15	3.0712e-01	2.8012e+02	2.4944e+01	-3.7959e+01
	89	-1.5619e+00	3.4886e-15	-2.6819e-01	-1.1121e+02	-3.5950e+01	-5.1097e+01
	87	-1.5619e+00	4.5437e-15	-2.0952e-01	1.0068e+02	2.8485e+01	-4.2186e+01
789	65	-2.2298e+00	-3.4334e-15	1.5348e-01	-2.3896e+02	-1.1926e+01	-2.0415e+01
	86	-2.2298e+00	3.6747e-15	2.9408e-01	2.4188e+02	2.0456e+01	-3.0598e+01

	87	-2.8771e+00	6.3136e-15	-1.1891e-01	-8.0338e+01	-3.1591e+01	-4.3890e+01
	64	-2.8771e+00	-6.7074e-15	-2.5951e-01	5.8949e+01	2.3060e+01	-3.3707e+01
790	82	-1.7271e+00	-9.0072e-15	1.9097e+00	-1.9155e+02	-4.9617e+01	-4.3960e+01
	84	-1.7271e+00	0.0000e+00	2.1196e+00	9.0952e+01	6.3574e+00	-1.3746e+01
	85	-2.8453e+00	0.0000e+00	-3.2279e+00	-2.4929e+01	-6.5452e+00	-1.3877e+01
	83	-2.8453e+00	-9.0072e-15	-3.4379e+00	-3.3466e+01	4.9805e+01	-4.4091e+01
791	80	-4.4714e+00	-4.5036e-15	1.6079e+00	-1.9849e+02	-4.8752e+01	-4.2232e+01
	82	-4.4714e+00	-9.0072e-15	1.5124e+00	2.5008e+02	4.6575e+01	-4.0712e+01
	83	-4.7479e+00	-9.0072e-15	-2.3613e+00	1.7959e+01	-4.6853e+01	-4.0906e+01
	81	-4.7479e+00	-4.5036e-15	-2.2658e+00	3.5758e+01	4.9030e+01	-4.2426e+01
792	59	-6.4611e+00	0.0000e+00	6.0969e-01	-3.9244e+02	-4.3761e+01	-3.6743e+01
	80	-6.4611e+00	-4.5036e-15	3.9625e-01	2.6956e+02	5.0422e+01	-4.1396e+01
	81	-7.9215e+00	-4.5036e-15	-1.4627e+00	3.5238e+01	-5.0978e+01	-4.1784e+01
	57	-7.9215e+00	0.0000e+00	-1.2492e+00	-1.6461e+02	4.4317e+01	-3.7132e+01
793	76	-2.0602e+00	9.2150e-17	1.8130e+00	2.2760e+03	2.4802e+02	1.6392e+02
	78	-2.0602e+00	-4.5036e-15	1.6827e+00	-3.0269e+03	-5.2129e+02	3.5479e+02
	79	-1.0951e+00	-5.5057e-15	-9.8752e-01	-1.0064e+03	5.2570e+02	3.5786e+02
	77	-1.0951e+00	-2.3037e-17	-8.5722e-01	5.2211e+02	-2.5243e+02	1.6700e+02
794	74	-3.3056e+00	-1.0992e-16	1.1832e+00	1.7252e+03	2.5860e+02	1.7243e+02
	76	-3.3056e+00	4.5036e-15	1.4132e+00	-1.5996e+03	-2.7210e+02	1.8187e+02
	77	-4.2545e+00	3.5166e-15	-8.0295e-01	-2.9226e+02	2.7472e+02	1.8369e+02
	75	-4.2545e+00	2.7479e-17	-1.0330e+00	4.3097e+02	-2.6121e+02	1.7426e+02
795	55	-5.4045e+00	-4.7946e-15	1.1930e+00	1.8057e+03	2.5471e+02	1.7172e+02
	74	-5.4045e+00	4.5036e-15	8.3977e-01	-1.8489e+03	-2.5836e+02	1.7427e+02
	75	-6.5926e+00	3.6735e-15	-6.2588e-01	-5.8815e+02	2.6145e+02	1.7643e+02
	56	-6.5926e+00	-4.4308e-15	-2.7269e-01	5.4850e+02	-2.5780e+02	1.7388e+02
796	503	-7.3537e+00	-4.2565e-15	-1.8551e+00	8.7861e+02	6.3806e+01	7.2695e+01
	72	-7.3537e+00	-3.2446e-15	-1.7042e+00	-6.3782e+02	-3.6782e+00	2.8806e+00
	73	-7.9316e+00	-1.0242e-15	2.4482e+00	6.6237e+01	5.2667e+01	5.9762e+01
	504	-7.9316e+00	-1.0173e-15	2.2974e+00	1.2435e+01	-1.1280e+02	1.2958e+02
797	496	-4.8761e+00	-9.0132e-16	-2.8423e-01	-3.6224e+00	2.8792e+00	1.4609e+00
	70	-4.8761e+00	-6.4205e-15	-2.7658e-01	1.1276e+01	8.6760e-01	-9.7624e-01
	71	-4.5908e+00	-1.4244e-15	9.6029e-01	1.5085e+01	-3.2951e-01	-6.2624e-01
	497	-4.5908e+00	-1.2109e-16	9.5264e-01	-1.0602e+01	-3.4173e+00	1.8109e+00
798	498	-4.5502e+00	-1.2268e-15	1.6452e-01	6.3426e+00	-1.2238e-01	-4.6882e-01
	68	-4.5502e+00	-4.5036e-15	1.8939e-02	-1.7405e+00	1.2594e+00	-9.9760e-01
	69	-4.4644e+00	-4.1110e-15	3.5514e-01	-5.0655e+00	-2.7251e+00	-1.6792e+00
	499	-4.4644e+00	1.9955e-15	5.0072e-01	9.1758e+00	1.5881e+00	-1.1504e+00
799	495	-4.5657e+00	-1.3882e-29	-4.4348e-01	5.9385e+00	-4.2832e+00	-3.1979e+00
	66	-4.5657e+00	0.0000e+00	-5.1088e-01	-4.6739e+00	3.4606e+00	-2.6629e+00
	67	-5.9554e+00	-7.2830e-30	2.2133e-01	-2.2312e+01	-4.2190e+00	-3.1562e+00
	494	-5.9554e+00	2.9748e-30	2.8874e-01	2.4273e+01	5.0415e+00	-3.6912e+00
800	493	-5.4504e+00	1.8789e-15	-1.5079e+00	-9.7722e+01	3.7336e+00	2.9449e+00
	64	-5.4504e+00	-1.0743e-15	-1.3074e+00	8.5695e+01	2.3920e+01	-2.9164e+01
	65	-3.5647e+00	-1.1008e-15	1.5509e+00	-1.0239e+02	-2.6105e+01	-3.1701e+01
	492	-3.5647e+00	1.1388e-15	1.3504e+00	1.5797e+01	-1.5486e+00	4.0793e-01
801	500	-3.6198e+00	-1.7953e-30	-4.8028e-01	1.2519e+02	-1.8739e+01	-1.6769e+01
	62	-3.6198e+00	0.0000e+00	-4.6041e-01	-5.7450e+01	-8.6954e+00	5.7459e+00
	63	-5.4546e+00	0.0000e+00	1.3102e+00	-4.1046e+01	1.8124e+01	1.3483e+01
	501	-5.4546e+00	0.0000e+00	1.2903e+00	1.4574e+02	9.3109e+00	-9.0313e+00
802	489	-1.2201e+01	0.0000e+00	-1.5431e+00	-6.5807e+02	-1.0963e+02	-7.5863e+01
	57	-1.2201e+01	0.0000e+00	-2.1206e+00	2.1044e+02	4.6690e+01	-3.3108e+01
	59	-8.4968e+00	0.0000e+00	2.1502e+00	-1.0998e+02	-4.1823e+01	-2.9802e+01
	488	-8.4968e+00	0.0000e+00	2.7277e+00	-2.7956e+02	1.0476e+02	-7.2557e+01
803	482	-6.3887e+00	-3.3500e-15	-1.1069e-01	1.1815e+03	5.3557e+01	3.4993e+01
	55	-6.3887e+00	4.5036e-15	3.7625e-01	-1.4809e+03	-2.8832e+02	1.9448e+02
	56	-1.0235e+01	3.8572e-15	8.3302e-01	-6.2517e+02	2.7036e+02	1.8228e+02

	483	-1.0235e+01	-1.9772e-15	3.4607e-01	5.4244e+02	-3.5600e+01	2.2794e+01
804	474	-7.1598e+00	-7.7996e-16	1.8373e-01	-9.6572e+02	-1.1309e+02	-7.8215e+01
	4	-7.1598e+00	0.0000e+00	-5.6817e-01	7.2762e+02	1.1860e+02	-8.1959e+01
	54	-6.2817e+00	-4.7170e-16	2.8068e-01	2.1609e+02	-1.0749e+02	-7.4415e+01
	475	-6.2817e+00	1.9499e-16	1.0326e+00	-4.5928e+02	1.0198e+02	-7.0671e+01
805	479	-6.1263e+00	-4.0395e-15	-7.3532e-01	-5.7594e+02	1.3096e+02	8.7578e+01
	2	-6.1263e+00	-7.0676e-15	-1.3366e+00	3.6781e+02	-9.1042e+01	6.0457e+01
	3	-4.5830e+00	-4.6964e-15	6.0557e-01	8.9386e+02	1.0500e+02	6.9938e+01
	478	-4.5830e+00	-2.4628e-15	1.2069e+00	-1.1388e+03	-1.4492e+02	9.7058e+01
1	12	0.0000e+00	0.0000e+00	0.0000e+00	-1.7699e+03	-1.5589e+03	-7.7421e+02
	17	0.0000e+00	0.0000e+00	0.0000e+00	-3.0711e+02	-1.8803e+03	6.3595e+02
	36	0.0000e+00	0.0000e+00	0.0000e+00	-5.6764e+02	-1.7070e+03	-1.3242e+03
2	36	0.0000e+00	0.0000e+00	0.0000e+00	8.8982e+02	1.0281e+03	1.7838e+03
	12	0.0000e+00	0.0000e+00	0.0000e+00	6.6945e+02	1.7545e+03	9.9635e+02
	466	0.0000e+00	0.0000e+00	0.0000e+00	6.6603e+01	-1.3737e+03	1.7374e+03
3	17	0.0000e+00	0.0000e+00	0.0000e+00	-9.7170e+02	-1.0419e+03	-1.7978e+02
	12	0.0000e+00	0.0000e+00	0.0000e+00	-2.5024e+03	-1.0800e+03	-5.8089e+02
	19	0.0000e+00	0.0000e+00	0.0000e+00	-1.1735e+03	-5.0939e+01	-1.4198e+02
4	12	0.0000e+00	0.0000e+00	0.0000e+00	-1.0090e+03	-2.3076e+03	-1.0142e+03
	466	0.0000e+00	0.0000e+00	0.0000e+00	2.6147e+03	-1.8963e+03	-3.7447e+02
	516	0.0000e+00	0.0000e+00	0.0000e+00	2.5881e+03	2.0379e+03	1.5878e+02
5	19	0.0000e+00	0.0000e+00	0.0000e+00	1.6285e+02	-2.4782e+03	-1.5789e+03
	12	0.0000e+00	0.0000e+00	0.0000e+00	-8.6542e+02	-3.5748e+03	5.1324e+01
	516	0.0000e+00	0.0000e+00	0.0000e+00	8.6864e+02	1.3181e+03	-1.4545e+03
6	346	0.0000e+00	0.0000e+00	0.0000e+00	-1.3094e+03	-1.1084e+03	2.9516e+02
	335	0.0000e+00	0.0000e+00	0.0000e+00	-1.6110e+03	-1.8839e+03	-3.3997e+01
	16	0.0000e+00	0.0000e+00	0.0000e+00	-2.0200e+03	7.4142e+02	-8.7182e+02
7	16	0.0000e+00	0.0000e+00	0.0000e+00	1.5564e+03	3.6816e+03	8.2505e+02
	346	0.0000e+00	0.0000e+00	0.0000e+00	7.5803e+02	3.5756e+03	-4.7948e+02
	19	0.0000e+00	0.0000e+00	0.0000e+00	5.6882e+02	1.3524e+03	8.8346e+01
8	16	0.0000e+00	0.0000e+00	0.0000e+00	-1.5476e+02	-2.3006e+03	-1.4418e+02
	335	0.0000e+00	0.0000e+00	0.0000e+00	-2.0516e+03	-3.1199e+03	1.0873e+03
	463	0.0000e+00	0.0000e+00	0.0000e+00	1.2334e+03	-3.5311e+02	-1.0627e+03
9	16	0.0000e+00	0.0000e+00	0.0000e+00	2.4954e+03	-6.3864e+01	6.3427e+02
	19	0.0000e+00	0.0000e+00	0.0000e+00	1.0069e+03	6.5377e+02	3.1373e+02
	15	0.0000e+00	0.0000e+00	0.0000e+00	1.9370e+03	1.4697e+03	1.5490e+03
10	19	0.0000e+00	0.0000e+00	0.0000e+00	-5.5343e+02	1.0611e+02	3.4290e+02
	15	0.0000e+00	0.0000e+00	0.0000e+00	-3.1091e+02	-8.7480e+02	4.5768e+01
	17	0.0000e+00	0.0000e+00	0.0000e+00	-5.6669e+02	-7.2120e+02	-3.4177e+02
11	15	0.0000e+00	0.0000e+00	0.0000e+00	8.9559e+02	1.2047e+03	1.2237e+02
	17	0.0000e+00	0.0000e+00	0.0000e+00	2.0492e+02	7.4875e+02	4.0478e+02
	35	0.0000e+00	0.0000e+00	0.0000e+00	1.1339e+03	1.4926e+03	-3.0573e+02
12	15	0.0000e+00	0.0000e+00	0.0000e+00	1.6598e+03	1.5406e+02	-2.3414e+02
	35	0.0000e+00	0.0000e+00	0.0000e+00	1.8721e+03	-1.8572e+02	7.1316e+02
	10	0.0000e+00	0.0000e+00	0.0000e+00	2.5014e+03	1.3411e+03	-4.8665e+02
13	10	0.0000e+00	0.0000e+00	0.0000e+00	-1.1204e+03	-2.2485e+03	2.5473e+02
	15	0.0000e+00	0.0000e+00	0.0000e+00	-1.1066e+02	-1.8397e+03	6.8102e+02
	16	0.0000e+00	0.0000e+00	0.0000e+00	6.6077e+02	-2.3969e+02	1.3359e+03
14	10	0.0000e+00	0.0000e+00	0.0000e+00	-1.3879e+03	-3.1707e+03	-1.0030e+03
	16	0.0000e+00	0.0000e+00	0.0000e+00	1.5364e+03	-3.1574e+03	2.8443e+01
	463	0.0000e+00	0.0000e+00	0.0000e+00	1.4240e+03	-4.1362e+02	-1.6315e+02
24	584	0.0000e+00	0.0000e+00	0.0000e+00	8.4090e+02	-3.8776e+02	-1.6669e+03
	511	0.0000e+00	0.0000e+00	0.0000e+00	-1.8224e+03	-3.1018e+03	-7.9358e+02
	32	0.0000e+00	0.0000e+00	0.0000e+00	-2.7695e+02	1.4505e+03	-3.4063e+03
25	412	0.0000e+00	0.0000e+00	0.0000e+00	-5.7024e+02	-8.2468e+02	-8.7975e+02

	584	0.0000e+00	0.0000e+00	0.0000e+00	1.5524e+03	3.5008e+02	-1.2010e+03
	511	0.0000e+00	0.0000e+00	0.0000e+00	2.7665e+03	2.3614e+03	-7.2277e+02
26	52	0.0000e+00	0.0000e+00	0.0000e+00	9.9129e+02	2.1674e+03	-1.2139e+03
	584	0.0000e+00	0.0000e+00	0.0000e+00	-3.0443e+02	1.8493e+03	-1.4923e+03
	32	0.0000e+00	0.0000e+00	0.0000e+00	-1.4742e+03	2.1449e+03	-1.8917e+03
27	412	0.0000e+00	0.0000e+00	0.0000e+00	4.0296e+02	-8.7865e+02	8.9507e+02
	52	0.0000e+00	0.0000e+00	0.0000e+00	-1.4638e+03	-4.4440e+02	1.1254e+03
	584	0.0000e+00	0.0000e+00	0.0000e+00	1.2573e+02	1.1259e+03	1.8891e+03
124	52	0.0000e+00	0.0000e+00	0.0000e+00	1.5222e+03	2.2021e+03	-8.8342e+02
	464	0.0000e+00	0.0000e+00	0.0000e+00	-2.7000e+03	-1.5041e+03	-8.8880e+01
	421	0.0000e+00	0.0000e+00	0.0000e+00	-1.0045e+03	1.5439e+02	-7.7414e+02
	536	0.0000e+00	0.0000e+00	0.0000e+00	6.9149e+02	-5.4582e+02	-1.5953e+03
129	5	0.0000e+00	0.0000e+00	0.0000e+00	1.4015e+03	-1.9915e+03	-1.7957e+03
	586	0.0000e+00	0.0000e+00	0.0000e+00	-2.6187e+03	-2.6077e+03	-3.8387e+03
	535	0.0000e+00	0.0000e+00	0.0000e+00	1.9134e+02	-1.7941e+03	-1.9218e+03
130	535	0.0000e+00	0.0000e+00	0.0000e+00	7.8739e+02	-3.3168e+02	9.9805e+02
	586	0.0000e+00	0.0000e+00	0.0000e+00	7.8261e+02	-5.9285e+02	6.5621e+00
	28	0.0000e+00	0.0000e+00	0.0000e+00	2.0360e+02	1.6027e+03	1.2294e+03
131	28	0.0000e+00	0.0000e+00	0.0000e+00	1.3169e+01	-5.0397e+02	-1.4635e+02
	27	0.0000e+00	0.0000e+00	0.0000e+00	9.8566e+02	3.2398e+02	-1.6259e+02
	534	0.0000e+00	0.0000e+00	0.0000e+00	4.1108e+02	-1.9250e+03	3.2664e+02
	535	0.0000e+00	0.0000e+00	0.0000e+00	1.4851e+03	-1.3846e+03	-3.6665e+02
132	204	0.0000e+00	0.0000e+00	0.0000e+00	3.4212e+03	-1.7563e+02	4.8206e+02
	5	0.0000e+00	0.0000e+00	0.0000e+00	3.2538e+03	-1.6142e+03	-1.7107e+02
	535	0.0000e+00	0.0000e+00	0.0000e+00	2.3622e+03	-1.6604e+03	-5.8477e+02
	534	0.0000e+00	0.0000e+00	0.0000e+00	7.8458e+02	-2.2372e+03	2.0845e+02
133	462	0.0000e+00	0.0000e+00	0.0000e+00	-9.7389e+02	9.1799e+02	-8.6569e+02
	414	0.0000e+00	0.0000e+00	0.0000e+00	9.0204e+01	-9.3177e+02	-1.9261e+03
	6	0.0000e+00	0.0000e+00	0.0000e+00	-5.4970e+02	3.1195e+03	-1.8764e+03
	533	0.0000e+00	0.0000e+00	0.0000e+00	-1.0540e+03	3.0388e+02	-7.0855e+02
134	534	0.0000e+00	0.0000e+00	0.0000e+00	-1.9664e+03	1.7445e+01	7.1510e+02
	27	0.0000e+00	0.0000e+00	0.0000e+00	3.2963e+02	7.3482e+02	3.2919e+02
	462	0.0000e+00	0.0000e+00	0.0000e+00	-1.2179e+03	-6.4755e+02	2.4319e+02
	533	0.0000e+00	0.0000e+00	0.0000e+00	-6.7661e+02	4.8115e+02	5.1160e+02
135	204	0.0000e+00	0.0000e+00	0.0000e+00	2.2168e+02	1.2335e+03	3.7958e+02
	534	0.0000e+00	0.0000e+00	0.0000e+00	-2.1101e+03	6.8898e+02	2.6510e+02
	533	0.0000e+00	0.0000e+00	0.0000e+00	-2.1906e+03	1.1443e+03	-3.9015e+02
	6	0.0000e+00	0.0000e+00	0.0000e+00	-5.2283e+02	2.3133e+03	-3.0058e+02
136	454	0.0000e+00	0.0000e+00	0.0000e+00	1.0617e+03	8.2183e+02	-7.5109e+02
	515	0.0000e+00	0.0000e+00	0.0000e+00	1.4498e+02	-1.0803e+03	-3.3791e+02
	582	0.0000e+00	0.0000e+00	0.0000e+00	8.3028e+02	4.4773e+02	-1.3743e+03
137	582	0.0000e+00	0.0000e+00	0.0000e+00	2.3079e+03	-8.5703e+01	-2.7152e+02
	515	0.0000e+00	0.0000e+00	0.0000e+00	3.1534e+02	-2.9317e+03	2.3926e+02
	532	0.0000e+00	0.0000e+00	0.0000e+00	1.8468e+03	-1.0572e+03	-1.7790e+03
138	515	0.0000e+00	0.0000e+00	0.0000e+00	2.1109e+03	-2.6970e+03	-1.7684e+03
	516	0.0000e+00	0.0000e+00	0.0000e+00	-2.1884e+02	-2.5868e+03	9.3492e+01
	11	0.0000e+00	0.0000e+00	0.0000e+00	2.4819e+03	1.5308e+03	-1.2070e+03
139	11	0.0000e+00	0.0000e+00	0.0000e+00	-9.4148e+02	-3.7762e+03	5.1745e+02
	515	0.0000e+00	0.0000e+00	0.0000e+00	2.1652e+03	-7.6923e+02	2.2700e+02
	532	0.0000e+00	0.0000e+00	0.0000e+00	-7.7184e+02	-8.1525e+02	1.8543e+03
140	346	0.0000e+00	0.0000e+00	0.0000e+00	8.5375e+02	2.1037e+03	4.8053e+02
	11	0.0000e+00	0.0000e+00	0.0000e+00	3.5952e+03	2.6603e+03	1.8008e+03
	19	0.0000e+00	0.0000e+00	0.0000e+00	1.2859e+03	1.1152e+03	5.9926e+02
141	11	0.0000e+00	0.0000e+00	0.0000e+00	3.5295e+03	1.4113e+03	-2.6593e+02
	516	0.0000e+00	0.0000e+00	0.0000e+00	-1.1938e+03	3.7209e+01	-7.3568e+02

	19	0.0000e+00	0.0000e+00	0.0000e+00	2.1886e+03	5.5731e+02	-1.8028e+03
142	514	0.0000e+00	0.0000e+00	0.0000e+00	3.8295e+02	2.9399e+02	7.1041e+02
	532	0.0000e+00	0.0000e+00	0.0000e+00	2.2946e+03	1.1722e+02	9.9492e+02
	11	0.0000e+00	0.0000e+00	0.0000e+00	3.0195e+03	4.0678e+03	1.1675e+03
	346	0.0000e+00	0.0000e+00	0.0000e+00	5.3613e+02	3.0783e+03	1.0512e+03
143	463	0.0000e+00	0.0000e+00	0.0000e+00	3.1924e+02	-3.2853e+03	-4.5717e+02
	513	0.0000e+00	0.0000e+00	0.0000e+00	7.7734e+02	-6.5553e+02	1.1403e+03
	530	0.0000e+00	0.0000e+00	0.0000e+00	-1.6847e+03	6.3452e+02	1.1434e+03
	335	0.0000e+00	0.0000e+00	0.0000e+00	3.9141e+03	3.4639e+03	1.7676e+01
144	514	0.0000e+00	0.0000e+00	0.0000e+00	7.7979e+02	1.2242e+03	-9.1052e+01
	346	0.0000e+00	0.0000e+00	0.0000e+00	4.1235e+03	8.8854e+02	2.8789e+02
	335	0.0000e+00	0.0000e+00	0.0000e+00	3.9369e+03	1.1210e+03	2.9090e+02
	530	0.0000e+00	0.0000e+00	0.0000e+00	-2.0636e+03	8.5708e+02	-9.9272e+02
145	531	0.0000e+00	0.0000e+00	0.0000e+00	-1.4756e+03	-7.5784e+02	4.6759e+02
	451	0.0000e+00	0.0000e+00	0.0000e+00	-1.5768e+02	-4.6981e+02	5.3665e+02
	454	0.0000e+00	0.0000e+00	0.0000e+00	-5.2426e+02	3.4257e+02	1.0896e+02
	582	0.0000e+00	0.0000e+00	0.0000e+00	5.8809e+02	1.7484e+03	-6.1574e+02
146	514	0.0000e+00	0.0000e+00	0.0000e+00	-4.9683e+02	7.2109e+01	-7.6419e+02
	531	0.0000e+00	0.0000e+00	0.0000e+00	-2.2799e+03	-4.7969e+02	-1.7098e+02
	582	0.0000e+00	0.0000e+00	0.0000e+00	2.2062e+02	2.1144e+03	-6.0872e+02
	532	0.0000e+00	0.0000e+00	0.0000e+00	-7.9067e+02	2.2595e+03	-1.3551e+03
147	450	0.0000e+00	0.0000e+00	0.0000e+00	-2.7996e+02	-6.5815e+02	-4.1672e+02
	451	0.0000e+00	0.0000e+00	0.0000e+00	-1.2224e+01	-4.5494e+02	-3.9262e+02
	531	0.0000e+00	0.0000e+00	0.0000e+00	-1.0518e+02	-2.2610e+03	-6.7722e+02
	469	0.0000e+00	0.0000e+00	0.0000e+00	3.3295e+01	-1.1787e+03	-7.5469e+02
148	530	0.0000e+00	0.0000e+00	0.0000e+00	-1.1559e+03	-1.5623e+03	-1.6597e+03
	513	0.0000e+00	0.0000e+00	0.0000e+00	-1.5383e+03	-1.0250e+03	-1.4299e+03
	450	0.0000e+00	0.0000e+00	0.0000e+00	-9.8633e+02	3.7746e+02	-5.3514e+02
	469	0.0000e+00	0.0000e+00	0.0000e+00	-1.3126e+03	-1.1585e+03	-1.0154e+03
149	514	0.0000e+00	0.0000e+00	0.0000e+00	1.0616e+03	-4.3988e+02	7.8196e+01
	530	0.0000e+00	0.0000e+00	0.0000e+00	1.5583e+02	-1.9954e+03	-5.2124e+02
	469	0.0000e+00	0.0000e+00	0.0000e+00	4.8168e+01	-2.4777e+03	-1.1859e+03
	531	0.0000e+00	0.0000e+00	0.0000e+00	1.2435e+02	-2.4533e+03	-6.7943e+02
150	21	0.0000e+00	0.0000e+00	0.0000e+00	-2.4263e+03	-1.8164e+03	-1.0427e+03
	22	0.0000e+00	0.0000e+00	0.0000e+00	1.3883e+03	-5.0146e+02	-1.0344e+03
	30	0.0000e+00	0.0000e+00	0.0000e+00	1.5260e+03	5.8860e+01	-1.9300e+02
151	171	0.0000e+00	0.0000e+00	0.0000e+00	3.7919e+03	9.0551e+02	1.7326e+02
	30	0.0000e+00	0.0000e+00	0.0000e+00	-1.8239e+03	-1.1504e+02	-8.2223e+02
	21	0.0000e+00	0.0000e+00	0.0000e+00	3.1764e+03	2.4768e+03	-4.5765e+02
152	171	0.0000e+00	0.0000e+00	0.0000e+00	4.6313e+02	3.5893e+03	-9.1603e-01
	21	0.0000e+00	0.0000e+00	0.0000e+00	2.3865e+03	2.9193e+03	-9.2063e+02
	413	0.0000e+00	0.0000e+00	0.0000e+00	-1.7679e+02	-1.2177e+03	-1.4785e+03
153	413	0.0000e+00	0.0000e+00	0.0000e+00	1.9886e+03	-1.2227e+03	2.1203e+02
	171	0.0000e+00	0.0000e+00	0.0000e+00	-3.4171e+03	-2.1666e+03	2.2983e+02
	398	0.0000e+00	0.0000e+00	0.0000e+00	8.7975e+02	9.6182e+01	-5.0709e+02
154	524	0.0000e+00	0.0000e+00	0.0000e+00	4.2249e+02	-1.9392e+03	4.3852e+01
	526	0.0000e+00	0.0000e+00	0.0000e+00	4.2139e+03	-1.5310e+03	-2.6642e+02
	525	0.0000e+00	0.0000e+00	0.0000e+00	3.7635e+03	1.4855e+02	2.9801e+02
155	524	0.0000e+00	0.0000e+00	0.0000e+00	-1.6696e+03	-6.3877e+02	-3.3033e+02
	525	0.0000e+00	0.0000e+00	0.0000e+00	1.1980e+03	2.5050e+03	-2.9296e+03
	34	0.0000e+00	0.0000e+00	0.0000e+00	-2.9002e+03	2.9076e+03	1.1444e+03
156	23	0.0000e+00	0.0000e+00	0.0000e+00	-1.4726e+02	1.1877e+03	-1.8598e+02
	513	0.0000e+00	0.0000e+00	0.0000e+00	1.9137e+03	2.0472e+03	-6.6130e+02
	450	0.0000e+00	0.0000e+00	0.0000e+00	7.6779e+02	5.7024e+02	1.7545e+02
157	425	0.0000e+00	0.0000e+00	0.0000e+00	2.6816e+02	-2.0097e+02	2.5192e+02
	450	0.0000e+00	0.0000e+00	0.0000e+00	-3.2040e+02	-5.5587e+02	2.0732e+02

	23	0.0000e+00	0.0000e+00	0.0000e+00	-7.9277e+00	-4.5307e+02	9.3792e+01
158	34	0.0000e+00	0.0000e+00	0.0000e+00	-2.2189e+03	-4.1371e+02	-6.0186e+02
	524	0.0000e+00	0.0000e+00	0.0000e+00	1.8078e+03	-1.3668e+03	-1.3215e+03
	33	0.0000e+00	0.0000e+00	0.0000e+00	1.0886e+03	3.2976e+03	-2.9791e+03
159	33	0.0000e+00	0.0000e+00	0.0000e+00	4.5500e+00	-3.4115e+03	5.0445e+02
	34	0.0000e+00	0.0000e+00	0.0000e+00	1.7205e+03	-3.6209e+03	1.5173e+03
	465	0.0000e+00	0.0000e+00	0.0000e+00	1.6445e+03	-1.3872e+03	1.1446e+03
160	33	0.0000e+00	0.0000e+00	0.0000e+00	-3.4194e+02	-3.6478e+03	-3.6767e+02
	465	0.0000e+00	0.0000e+00	0.0000e+00	1.9778e+03	-2.2744e+02	-4.6712e+01
	512	0.0000e+00	0.0000e+00	0.0000e+00	-3.6624e+01	2.2464e+03	1.4787e+03
161	465	0.0000e+00	0.0000e+00	0.0000e+00	-7.3910e+02	2.4056e+02	4.2792e+02
	34	0.0000e+00	0.0000e+00	0.0000e+00	-3.3758e+03	-1.4931e+03	5.1001e+02
	10	0.0000e+00	0.0000e+00	0.0000e+00	-2.7955e+03	8.7449e+01	-1.9826e+03
162	10	0.0000e+00	0.0000e+00	0.0000e+00	2.6889e+01	-2.6511e+03	-2.7898e+02
	34	0.0000e+00	0.0000e+00	0.0000e+00	-1.9094e+03	-2.9464e+03	4.8705e+01
	35	0.0000e+00	0.0000e+00	0.0000e+00	4.6239e+02	-4.9929e+02	-5.8201e+02
163	35	0.0000e+00	0.0000e+00	0.0000e+00	1.5565e+03	1.1540e+03	-3.5628e+02
	17	0.0000e+00	0.0000e+00	0.0000e+00	1.3961e+02	1.3673e+03	-3.2035e+02
	36	0.0000e+00	0.0000e+00	0.0000e+00	2.5073e+02	-2.5005e+02	-1.1550e+02
164	529	0.0000e+00	0.0000e+00	0.0000e+00	-1.3433e+03	-4.8693e+03	-5.1346e+02
	526	0.0000e+00	0.0000e+00	0.0000e+00	9.2519e+02	-3.1981e+03	-9.8425e+02
	42	0.0000e+00	0.0000e+00	0.0000e+00	2.2940e+03	1.5030e+03	6.1085e+02
	127	0.0000e+00	0.0000e+00	0.0000e+00	-1.7146e+03	-1.2630e+03	8.7073e+02
165	33	0.0000e+00	0.0000e+00	0.0000e+00	2.1306e+03	4.8235e+03	6.9950e+02
	524	0.0000e+00	0.0000e+00	0.0000e+00	-3.1146e+03	-9.6539e+02	1.3459e+03
	526	0.0000e+00	0.0000e+00	0.0000e+00	-1.1733e+02	-3.3859e+03	-1.0916e+03
	529	0.0000e+00	0.0000e+00	0.0000e+00	-6.8324e+02	-4.6262e+03	-1.2764e+03
166	528	0.0000e+00	0.0000e+00	0.0000e+00	-1.6707e+03	-4.3937e+03	3.0405e+01
	529	0.0000e+00	0.0000e+00	0.0000e+00	-6.0597e+02	-4.6157e+03	-2.6828e+02
	127	0.0000e+00	0.0000e+00	0.0000e+00	-7.5478e+02	-3.8862e+02	8.4983e+01
	126	0.0000e+00	0.0000e+00	0.0000e+00	-1.5491e+03	-1.3893e+03	1.5508e+02
167	32	0.0000e+00	0.0000e+00	0.0000e+00	-2.3307e+03	4.1194e+03	-1.5427e+02
	33	0.0000e+00	0.0000e+00	0.0000e+00	7.6768e+02	5.4830e+03	-2.2479e+02
	529	0.0000e+00	0.0000e+00	0.0000e+00	-4.5401e+02	-4.1245e+03	4.6776e+02
	528	0.0000e+00	0.0000e+00	0.0000e+00	-1.3444e+03	-3.6485e+03	1.2639e+02
168	511	0.0000e+00	0.0000e+00	0.0000e+00	-2.1877e+03	-2.7407e+03	-6.7343e+02
	512	0.0000e+00	0.0000e+00	0.0000e+00	-3.1339e+02	-2.0833e+03	-2.0948e+02
	33	0.0000e+00	0.0000e+00	0.0000e+00	9.5648e+02	5.2304e+03	5.9278e+02
	32	0.0000e+00	0.0000e+00	0.0000e+00	-2.2811e+03	2.9628e+03	-4.9336e+01
169	464	0.0000e+00	0.0000e+00	0.0000e+00	1.2655e+02	-3.2814e+03	-1.3002e+02
	528	0.0000e+00	0.0000e+00	0.0000e+00	-1.8205e+03	-3.8131e+03	2.7447e+02
	126	0.0000e+00	0.0000e+00	0.0000e+00	-3.1908e+03	-2.1444e+02	-2.0997e+02
	1	0.0000e+00	0.0000e+00	0.0000e+00	1.3984e+03	1.1217e+03	-9.9240e+02
170	52	0.0000e+00	0.0000e+00	0.0000e+00	-5.9193e+02	1.8222e+03	-7.4282e+01
	32	0.0000e+00	0.0000e+00	0.0000e+00	-1.8989e+03	3.6035e+03	4.5205e+02
	528	0.0000e+00	0.0000e+00	0.0000e+00	-5.2516e+02	-3.7105e+03	6.9484e+02
	464	0.0000e+00	0.0000e+00	0.0000e+00	-1.0496e+03	-2.6959e+03	4.4112e+02
171	527	0.0000e+00	0.0000e+00	0.0000e+00	4.8483e+00	-3.0684e+03	3.5168e+02
	521	0.0000e+00	0.0000e+00	0.0000e+00	-4.0094e+02	-4.6611e+03	6.0760e+02
	45	0.0000e+00	0.0000e+00	0.0000e+00	8.5185e+02	5.2207e+01	-1.2428e+03
	506	0.0000e+00	0.0000e+00	0.0000e+00	-3.5286e+03	7.5331e+02	-1.7899e+02
172	35	0.0000e+00	0.0000e+00	0.0000e+00	5.2431e+02	1.4896e+03	4.4373e+02
	36	0.0000e+00	0.0000e+00	0.0000e+00	9.0157e+01	1.0610e+03	-1.5047e+02
	521	0.0000e+00	0.0000e+00	0.0000e+00	-4.4497e+02	-3.5016e+03	-9.3227e+02
	527	0.0000e+00	0.0000e+00	0.0000e+00	-4.1951e+02	-2.9572e+03	-3.9230e+02
173	525	0.0000e+00	0.0000e+00	0.0000e+00	1.5365e+03	-4.3690e+03	-9.8934e+02

	527	0.0000e+00	0.0000e+00	0.0000e+00	-3.5861e+02	-3.0663e+03	-4.0649e+02
	506	0.0000e+00	0.0000e+00	0.0000e+00	-3.4043e+03	7.9566e+02	2.7240e+02
	44	0.0000e+00	0.0000e+00	0.0000e+00	1.4334e+03	-6.4047e+02	1.2711e+03
174	34	0.0000e+00	0.0000e+00	0.0000e+00	1.9457e+03	2.1167e+03	1.0608e+03
	35	0.0000e+00	0.0000e+00	0.0000e+00	1.1518e+02	8.8500e+02	4.2637e+02
	527	0.0000e+00	0.0000e+00	0.0000e+00	-1.3545e+02	-3.5047e+03	-2.4015e+02
	525	0.0000e+00	0.0000e+00	0.0000e+00	-2.1470e+01	-3.8170e+03	1.3264e+02
175	526	0.0000e+00	0.0000e+00	0.0000e+00	2.1924e+03	-4.7512e+03	-4.6216e+02
	525	0.0000e+00	0.0000e+00	0.0000e+00	-4.4790e+02	-3.3644e+03	7.0529e+01
	44	0.0000e+00	0.0000e+00	0.0000e+00	3.8037e+02	1.5504e+03	1.0826e+03
	42	0.0000e+00	0.0000e+00	0.0000e+00	9.3891e+02	5.7479e+02	6.0738e+02
176	522	0.0000e+00	0.0000e+00	0.0000e+00	-7.6935e+02	-3.7758e+03	3.3250e+02
	588	0.0000e+00	0.0000e+00	0.0000e+00	1.5044e+03	-6.6861e+03	-1.4299e+03
	7	0.0000e+00	0.0000e+00	0.0000e+00	-3.5201e+02	4.3242e+03	-1.7693e+03
	47	0.0000e+00	0.0000e+00	0.0000e+00	-1.3541e+03	3.4353e+03	-6.2256e+02
177	38	0.0000e+00	0.0000e+00	0.0000e+00	-2.0227e+02	4.3116e+03	-2.2853e+02
	39	0.0000e+00	0.0000e+00	0.0000e+00	-1.0479e+03	4.5454e+03	4.2841e+02
	588	0.0000e+00	0.0000e+00	0.0000e+00	1.3035e+03	-5.2222e+03	1.1365e+02
	522	0.0000e+00	0.0000e+00	0.0000e+00	-2.3296e+02	-3.8674e+03	-1.1694e+03
178	518	0.0000e+00	0.0000e+00	0.0000e+00	-1.3102e+03	-2.2954e+03	-3.8474e+02
	587	0.0000e+00	0.0000e+00	0.0000e+00	1.8902e+03	-3.4185e+03	-1.7965e+03
	39	0.0000e+00	0.0000e+00	0.0000e+00	-6.0858e+02	4.9002e+03	-1.6627e+03
	38	0.0000e+00	0.0000e+00	0.0000e+00	-2.0580e+02	4.2403e+03	-6.7189e+02
179	520	0.0000e+00	0.0000e+00	0.0000e+00	-9.3546e+01	-3.2148e+03	4.7714e+02
	522	0.0000e+00	0.0000e+00	0.0000e+00	-4.8792e+02	-5.3760e+03	-9.4273e+01
	47	0.0000e+00	0.0000e+00	0.0000e+00	-5.0323e+02	1.9524e+03	-8.8666e+02
	46	0.0000e+00	0.0000e+00	0.0000e+00	-7.1614e+02	2.5952e+03	-5.3534e+02
180	37	0.0000e+00	0.0000e+00	0.0000e+00	-8.2552e+02	3.9298e+03	8.9472e+01
	38	0.0000e+00	0.0000e+00	0.0000e+00	-1.4636e+02	3.8089e+03	1.0572e+02
	522	0.0000e+00	0.0000e+00	0.0000e+00	-4.2237e+02	-4.5112e+03	-4.2638e+02
	520	0.0000e+00	0.0000e+00	0.0000e+00	1.6214e+01	-3.2410e+03	-8.4671e+02
181	517	0.0000e+00	0.0000e+00	0.0000e+00	-7.7815e+02	-8.9558e+02	-1.0921e+02
	518	0.0000e+00	0.0000e+00	0.0000e+00	8.1016e+02	-3.0704e+03	-7.3796e+01
	38	0.0000e+00	0.0000e+00	0.0000e+00	8.3922e+01	2.2436e+03	-7.7969e+02
	37	0.0000e+00	0.0000e+00	0.0000e+00	-4.9173e+02	3.2071e+03	-8.1375e+02
182	521	0.0000e+00	0.0000e+00	0.0000e+00	2.8989e+02	-2.8364e+03	4.2474e+02
	520	0.0000e+00	0.0000e+00	0.0000e+00	-6.1461e+02	-5.0402e+03	3.7192e+02
	46	0.0000e+00	0.0000e+00	0.0000e+00	-1.6635e+01	9.4230e+02	-7.0374e+02
	45	0.0000e+00	0.0000e+00	0.0000e+00	-5.5444e+00	1.9228e+03	-7.7685e+02
183	36	0.0000e+00	0.0000e+00	0.0000e+00	-7.9989e+02	1.8328e+03	-4.4304e+02
	37	0.0000e+00	0.0000e+00	0.0000e+00	1.6328e+02	3.0594e+03	-4.7317e+02
	520	0.0000e+00	0.0000e+00	0.0000e+00	-4.4381e+02	-4.1723e+03	-5.5970e+02
	521	0.0000e+00	0.0000e+00	0.0000e+00	-8.8311e+01	-2.8875e+03	-4.9194e+02
184	466	0.0000e+00	0.0000e+00	0.0000e+00	-7.1823e+02	1.9899e+02	-8.6040e+02
	517	0.0000e+00	0.0000e+00	0.0000e+00	-5.5525e+02	-1.8900e+03	-3.4421e+02
	37	0.0000e+00	0.0000e+00	0.0000e+00	-6.5536e+02	1.8157e+03	-1.1749e+03
	36	0.0000e+00	0.0000e+00	0.0000e+00	-9.0702e+01	2.4197e+03	-1.4968e+03
185	28	0.0000e+00	0.0000e+00	0.0000e+00	-7.3208e+02	8.8603e+02	7.6811e+02
	586	0.0000e+00	0.0000e+00	0.0000e+00	-1.0194e+03	-3.6328e+03	1.4276e+03
	587	0.0000e+00	0.0000e+00	0.0000e+00	6.1718e+02	-2.8641e+03	-1.1920e+03
	518	0.0000e+00	0.0000e+00	0.0000e+00	-8.1844e+02	-1.7896e+03	-1.4978e+03
186	29	0.0000e+00	0.0000e+00	0.0000e+00	4.3642e+02	1.4282e+03	3.2600e+02
	28	0.0000e+00	0.0000e+00	0.0000e+00	-5.2319e+00	1.0354e+03	9.3434e+01
	518	0.0000e+00	0.0000e+00	0.0000e+00	5.6984e+02	-2.9658e+03	-3.2397e+02
	517	0.0000e+00	0.0000e+00	0.0000e+00	-5.3220e+02	-2.7756e+03	-1.3605e+02
187	26	0.0000e+00	0.0000e+00	0.0000e+00	1.0752e+02	7.5096e+02	-1.1050e+02
	27	0.0000e+00	0.0000e+00	0.0000e+00	3.0554e+02	1.1106e+03	7.6352e+01

188	28	0.0000e+00	0.0000e+00	0.0000e+00	-5.7661e+01	1.7889e+02	4.0118e+01
	29	0.0000e+00	0.0000e+00	0.0000e+00	6.9812e+02	6.5765e+02	-1.4674e+02
	457	0.0000e+00	0.0000e+00	0.0000e+00	-1.2263e+02	-2.6689e+02	-2.0717e+00
	462	0.0000e+00	0.0000e+00	0.0000e+00	5.4529e+02	-3.5979e+02	2.0519e+02
189	27	0.0000e+00	0.0000e+00	0.0000e+00	3.8161e+02	5.9960e+02	1.2071e+02
	26	0.0000e+00	0.0000e+00	0.0000e+00	-2.1253e+01	6.7966e+02	-6.3987e+01
	516	0.0000e+00	0.0000e+00	0.0000e+00	-3.6584e+03	-2.6115e+03	-7.9123e+02
	29	0.0000e+00	0.0000e+00	0.0000e+00	4.4043e+02	8.7073e+02	-3.0719e+02
190	517	0.0000e+00	0.0000e+00	0.0000e+00	-1.3785e+03	-2.5911e+03	-4.5631e+00
	466	0.0000e+00	0.0000e+00	0.0000e+00	1.3451e+02	8.6191e+02	-1.3164e+03
	515	0.0000e+00	0.0000e+00	0.0000e+00	-1.9179e+03	1.7596e+03	-8.0551e+02
	26	0.0000e+00	0.0000e+00	0.0000e+00	8.0644e+02	5.2937e+02	-3.4378e+02
191	29	0.0000e+00	0.0000e+00	0.0000e+00	-2.6864e+02	-3.2413e+02	-1.0724e+03
	516	0.0000e+00	0.0000e+00	0.0000e+00	-3.4334e+03	-5.0557e+02	-1.0341e+03
	454	0.0000e+00	0.0000e+00	0.0000e+00	-8.1071e+02	1.6215e+03	1.6158e+02
	457	0.0000e+00	0.0000e+00	0.0000e+00	2.9777e+01	3.5953e+02	5.0238e+01
192	26	0.0000e+00	0.0000e+00	0.0000e+00	1.6964e+02	2.7936e+01	-6.5043e+02
	515	0.0000e+00	0.0000e+00	0.0000e+00	-2.6479e+03	-1.3186e+02	4.1106e+02
	31	0.0000e+00	0.0000e+00	0.0000e+00	3.0303e+02	9.2892e+02	-5.9447e+02
	463	0.0000e+00	0.0000e+00	0.0000e+00	-1.9810e+03	-1.2980e+03	2.3825e+02
193	10	0.0000e+00	0.0000e+00	0.0000e+00	2.7619e+03	2.3324e+03	1.0177e+03
	465	0.0000e+00	0.0000e+00	0.0000e+00	-1.6300e+03	-7.1715e+02	-4.3251e+01
	23	0.0000e+00	0.0000e+00	0.0000e+00	-4.1933e+02	-2.0355e+00	-5.1526e+02
	513	0.0000e+00	0.0000e+00	0.0000e+00	-1.7226e+03	1.0030e+03	-3.4023e+02
194	463	0.0000e+00	0.0000e+00	0.0000e+00	-2.7655e+03	-7.2586e+01	2.0772e+01
	31	0.0000e+00	0.0000e+00	0.0000e+00	-7.4741e+02	-3.1487e+02	2.6068e+02
	30	0.0000e+00	0.0000e+00	0.0000e+00	4.8038e+02	6.3936e+02	-4.6295e+02
	31	0.0000e+00	0.0000e+00	0.0000e+00	3.7653e+02	1.0381e+03	-1.0053e+03
195	465	0.0000e+00	0.0000e+00	0.0000e+00	-6.8416e+02	-1.7186e+03	-2.3242e+01
	512	0.0000e+00	0.0000e+00	0.0000e+00	3.3523e+02	-2.6435e+03	5.7707e+02
	22	0.0000e+00	0.0000e+00	0.0000e+00	7.3741e+02	-5.4335e+02	-5.3679e+02
	23	0.0000e+00	0.0000e+00	0.0000e+00	3.6003e+02	-5.6429e+02	-2.9009e+02
196	31	0.0000e+00	0.0000e+00	0.0000e+00	2.9311e+02	-8.4663e+01	-5.3832e+02
	30	0.0000e+00	0.0000e+00	0.0000e+00	1.0775e+03	7.2794e+02	-7.8055e+02
	418	0.0000e+00	0.0000e+00	0.0000e+00	5.4413e+01	4.1935e+01	-8.3549e+02
	425	0.0000e+00	0.0000e+00	0.0000e+00	2.5731e+02	-2.9285e+02	-2.3689e+02
197	23	0.0000e+00	0.0000e+00	0.0000e+00	3.8570e+02	7.1131e+01	-2.9831e+02
	22	0.0000e+00	0.0000e+00	0.0000e+00	4.5742e+02	1.9742e+02	-7.4570e+02
	171	0.0000e+00	0.0000e+00	0.0000e+00	-3.5686e+03	-1.0874e+03	2.0864e+02
	30	0.0000e+00	0.0000e+00	0.0000e+00	1.4139e+03	4.2293e+02	2.2525e+02
198	512	0.0000e+00	0.0000e+00	0.0000e+00	-9.3909e+02	-2.5193e+03	-2.6064e+02
	511	0.0000e+00	0.0000e+00	0.0000e+00	-1.9184e+03	-2.2749e+02	-3.4180e+02
	415	0.0000e+00	0.0000e+00	0.0000e+00	-5.1934e+02	5.1780e+02	-4.7110e+02
	418	0.0000e+00	0.0000e+00	0.0000e+00	1.8250e+02	7.6186e+02	-1.1949e+03
199	22	0.0000e+00	0.0000e+00	0.0000e+00	1.2438e+03	-4.3733e+02	-1.1154e+03
	21	0.0000e+00	0.0000e+00	0.0000e+00	-2.0657e+03	-8.0356e+02	-3.5006e+02
	398	0.0000e+00	0.0000e+00	0.0000e+00	3.8102e+02	-7.9901e+02	-4.5178e+02
	171	0.0000e+00	0.0000e+00	0.0000e+00	-3.7095e+03	-7.1807e+02	-5.3232e+02
200	511	0.0000e+00	0.0000e+00	0.0000e+00	-2.2094e+03	-1.5400e+02	-9.7260e+02
	412	0.0000e+00	0.0000e+00	0.0000e+00	1.5625e+03	5.6760e+02	-5.6969e+02
	53	0.0000e+00	0.0000e+00	0.0000e+00	2.4871e+02	1.2230e+03	1.7174e+03
	415	0.0000e+00	0.0000e+00	0.0000e+00	-1.2153e+03	5.2805e+02	5.7463e+02
201	21	0.0000e+00	0.0000e+00	0.0000e+00	-2.5834e+03	-4.3917e+02	4.8198e+02
	413	0.0000e+00	0.0000e+00	0.0000e+00	1.0909e+03	1.3195e+02	1.2633e+03
	510	0.0000e+00	0.0000e+00	0.0000e+00	-3.6943e+02	-4.6691e+03	1.9065e+02
	491	0.0000e+00	0.0000e+00	0.0000e+00	6.1996e+02	-4.7246e+03	-1.8271e+02
	186	0.0000e+00	0.0000e+00	0.0000e+00	-2.0049e+02	-4.1133e+02	-2.3841e+02

	400	0.0000e+00	0.0000e+00	0.0000e+00	-1.0713e+02	-2.2440e+02	5.5377e+01
202	41	0.0000e+00	0.0000e+00	0.0000e+00	6.3960e+02	3.9970e+03	2.0815e+02
	43	0.0000e+00	0.0000e+00	0.0000e+00	-4.6644e+02	2.8943e+03	1.6217e+02
	491	0.0000e+00	0.0000e+00	0.0000e+00	1.4177e+02	-2.6540e+03	4.0021e+02
	510	0.0000e+00	0.0000e+00	0.0000e+00	2.1080e+02	-4.1864e+03	4.4926e+02
203	127	0.0000e+00	0.0000e+00	0.0000e+00	-1.6325e+03	2.8345e+02	5.4414e+02
	42	0.0000e+00	0.0000e+00	0.0000e+00	2.5582e+03	3.5799e+03	2.9098e+02
	43	0.0000e+00	0.0000e+00	0.0000e+00	6.1111e+02	3.1233e+03	5.3239e+02
	41	0.0000e+00	0.0000e+00	0.0000e+00	-9.0573e+01	5.6097e+03	8.0058e+02
204	509	0.0000e+00	0.0000e+00	0.0000e+00	-6.1846e+02	-4.0661e+03	-1.4652e+02
	510	0.0000e+00	0.0000e+00	0.0000e+00	1.6192e+02	-4.7342e+03	-3.8799e+01
	400	0.0000e+00	0.0000e+00	0.0000e+00	-3.7670e+02	-3.1249e+02	-4.9014e+02
	399	0.0000e+00	0.0000e+00	0.0000e+00	-7.1311e+01	-1.2478e+02	-4.0026e+02
205	40	0.0000e+00	0.0000e+00	0.0000e+00	-1.4109e+03	3.8054e+03	-2.0673e+02
	41	0.0000e+00	0.0000e+00	0.0000e+00	-3.3878e+02	4.7212e+03	1.4393e+02
	510	0.0000e+00	0.0000e+00	0.0000e+00	-2.2637e+02	-3.0659e+03	7.4743e+02
	509	0.0000e+00	0.0000e+00	0.0000e+00	-6.0905e+02	-3.1161e+03	-1.5733e+01
206	126	0.0000e+00	0.0000e+00	0.0000e+00	-1.4081e+03	1.2066e+02	1.6767e+01
	127	0.0000e+00	0.0000e+00	0.0000e+00	-1.6055e+02	9.6222e+01	6.1549e+01
	41	0.0000e+00	0.0000e+00	0.0000e+00	1.8007e+02	5.6413e+03	2.9275e+02
	40	0.0000e+00	0.0000e+00	0.0000e+00	-1.6933e+03	4.8689e+03	2.4797e+02
207	91	0.0000e+00	0.0000e+00	0.0000e+00	2.1687e+03	-6.5673e+02	-3.7553e+01
	509	0.0000e+00	0.0000e+00	0.0000e+00	-1.8339e+03	-3.4093e+03	-1.6447e+02
	399	0.0000e+00	0.0000e+00	0.0000e+00	-8.4117e+02	3.6446e+02	-1.0873e+03
	60	0.0000e+00	0.0000e+00	0.0000e+00	8.7869e+02	3.3257e+01	-1.0303e+03
208	168	0.0000e+00	0.0000e+00	0.0000e+00	-9.3870e+02	-2.2396e+02	-4.1308e+02
	40	0.0000e+00	0.0000e+00	0.0000e+00	2.9179e+02	4.5381e+03	-3.5431e+02
	509	0.0000e+00	0.0000e+00	0.0000e+00	-1.5293e+03	-2.6191e+03	6.5507e+02
	91	0.0000e+00	0.0000e+00	0.0000e+00	1.6420e+03	-6.7029e+01	3.3621e+02
209	1	0.0000e+00	0.0000e+00	0.0000e+00	1.5336e+03	1.7902e+03	-8.3467e+02
	126	0.0000e+00	0.0000e+00	0.0000e+00	-1.6945e+03	-5.2344e+02	-1.0113e+03
	40	0.0000e+00	0.0000e+00	0.0000e+00	8.2228e+02	4.4500e+03	-2.3966e+02
	168	0.0000e+00	0.0000e+00	0.0000e+00	-9.2161e+02	3.2611e+02	-2.8725e+02
210	508	0.0000e+00	0.0000e+00	0.0000e+00	1.7958e+02	-3.3252e+03	3.4587e+02
	476	0.0000e+00	0.0000e+00	0.0000e+00	-3.8599e+02	-4.0084e+03	2.8422e+02
	187	0.0000e+00	0.0000e+00	0.0000e+00	-1.9539e+02	-1.0506e+02	5.5682e+01
	407	0.0000e+00	0.0000e+00	0.0000e+00	-9.4100e+01	-2.0896e+02	1.0030e+02
211	507	0.0000e+00	0.0000e+00	0.0000e+00	-2.6093e+03	-6.2434e+02	-5.7453e+02
	49	0.0000e+00	0.0000e+00	0.0000e+00	8.2231e+02	1.3399e+03	2.3788e+02
	476	0.0000e+00	0.0000e+00	0.0000e+00	-1.8793e+01	-3.4697e+03	2.7623e+02
	508	0.0000e+00	0.0000e+00	0.0000e+00	-2.2127e+02	-2.1455e+03	2.3670e+02
212	506	0.0000e+00	0.0000e+00	0.0000e+00	-2.8528e+03	3.0242e+03	-1.4970e+03
	45	0.0000e+00	0.0000e+00	0.0000e+00	1.1016e+03	2.7982e+03	-7.1172e+02
	49	0.0000e+00	0.0000e+00	0.0000e+00	1.8979e+02	2.6327e+03	-6.8636e+02
	507	0.0000e+00	0.0000e+00	0.0000e+00	-2.6918e+03	1.6476e+03	-8.6194e+02
213	487	0.0000e+00	0.0000e+00	0.0000e+00	-3.0837e+02	-4.4910e+03	-2.8717e+02
	508	0.0000e+00	0.0000e+00	0.0000e+00	3.5235e+02	-3.3582e+03	-3.4908e+02
	407	0.0000e+00	0.0000e+00	0.0000e+00	4.2301e+01	-2.8448e+02	-6.1895e+00
	406	0.0000e+00	0.0000e+00	0.0000e+00	-2.7766e+02	-2.4487e+02	2.8502e+02
214	48	0.0000e+00	0.0000e+00	0.0000e+00	8.5212e+02	1.2513e+03	-4.4337e+02
	507	0.0000e+00	0.0000e+00	0.0000e+00	-2.5588e+03	-5.9500e+02	3.5878e+02
	508	0.0000e+00	0.0000e+00	0.0000e+00	-9.9992e+01	-2.1824e+03	-3.3948e+02
	487	0.0000e+00	0.0000e+00	0.0000e+00	-2.1492e+01	-3.6615e+03	-2.9489e+02
215	44	0.0000e+00	0.0000e+00	0.0000e+00	1.6897e+03	3.0672e+03	6.9378e+02
	506	0.0000e+00	0.0000e+00	0.0000e+00	-2.8085e+03	3.1385e+03	1.4670e+03
	507	0.0000e+00	0.0000e+00	0.0000e+00	-2.8151e+03	1.7408e+03	6.8075e+02
	48	0.0000e+00	0.0000e+00	0.0000e+00	3.1234e+02	2.7018e+03	5.9098e+02

216	491	0.0000e+00	0.0000e+00	0.0000e+00	-4.4118e+02	-4.8060e+03	4.5323e+00
	487	0.0000e+00	0.0000e+00	0.0000e+00	6.3410e+02	-4.1582e+03	-4.7592e+02
	406	0.0000e+00	0.0000e+00	0.0000e+00	-1.1101e+02	-1.9253e+02	-1.2233e+02
	186	0.0000e+00	0.0000e+00	0.0000e+00	-2.5500e+02	-2.5177e+02	1.6252e+02
217	43	0.0000e+00	0.0000e+00	0.0000e+00	1.1045e+02	1.7820e+03	-2.9484e+02
	48	0.0000e+00	0.0000e+00	0.0000e+00	7.9067e+02	2.2777e+03	-6.3941e+02
	487	0.0000e+00	0.0000e+00	0.0000e+00	1.7798e+02	-2.8013e+03	1.0614e+02
	491	0.0000e+00	0.0000e+00	0.0000e+00	1.3200e+01	-3.4452e+03	2.2619e+02
218	42	0.0000e+00	0.0000e+00	0.0000e+00	2.7133e+02	3.3602e+03	1.5994e+02
	44	0.0000e+00	0.0000e+00	0.0000e+00	1.0683e+03	3.4406e+03	9.8429e+01
	48	0.0000e+00	0.0000e+00	0.0000e+00	1.3925e+03	3.2727e+03	1.1444e+02
	43	0.0000e+00	0.0000e+00	0.0000e+00	-1.5924e+02	3.3211e+03	1.7022e+02
219	477	0.0000e+00	0.0000e+00	0.0000e+00	1.2882e+02	-4.2764e+03	9.1306e+02
	485	0.0000e+00	0.0000e+00	0.0000e+00	1.0139e+03	-5.0213e+03	4.0940e+02
	61	0.0000e+00	0.0000e+00	0.0000e+00	5.1148e+02	-7.8273e+02	2.8610e+01
	411	0.0000e+00	0.0000e+00	0.0000e+00	-3.0088e+02	-6.7598e+02	5.4284e+02
220	51	0.0000e+00	0.0000e+00	0.0000e+00	-1.5275e+03	2.7907e+03	6.2067e+02
	8	0.0000e+00	0.0000e+00	0.0000e+00	2.4860e+02	3.8314e+03	1.3428e+03
	485	0.0000e+00	0.0000e+00	0.0000e+00	1.0729e+03	-4.3762e+03	1.2418e+03
	477	0.0000e+00	0.0000e+00	0.0000e+00	-1.8426e+02	-2.4824e+03	-1.6105e-01
221	47	0.0000e+00	0.0000e+00	0.0000e+00	-7.5860e+02	4.2885e+03	-2.0239e+02
	7	0.0000e+00	0.0000e+00	0.0000e+00	-3.0211e+02	5.0613e+03	7.5337e+01
	8	0.0000e+00	0.0000e+00	0.0000e+00	3.1505e+02	4.3650e+03	5.5454e+02
	51	0.0000e+00	0.0000e+00	0.0000e+00	-9.8791e+02	3.6775e+03	2.6740e+02
222	473	0.0000e+00	0.0000e+00	0.0000e+00	2.2721e+02	-4.1178e+03	5.4803e+02
	477	0.0000e+00	0.0000e+00	0.0000e+00	-3.7279e+02	-4.4193e+03	3.5192e+02
	411	0.0000e+00	0.0000e+00	0.0000e+00	-1.2755e+02	-3.8780e+02	2.6916e+02
	409	0.0000e+00	0.0000e+00	0.0000e+00	-2.3505e+02	-3.2006e+02	3.4915e+02
223	50	0.0000e+00	0.0000e+00	0.0000e+00	-4.1881e+02	2.4138e+03	4.9543e+02
	51	0.0000e+00	0.0000e+00	0.0000e+00	-6.1770e+02	2.0901e+03	7.6020e+02
	477	0.0000e+00	0.0000e+00	0.0000e+00	-7.5319e+01	-3.2866e+03	3.7488e+02
	473	0.0000e+00	0.0000e+00	0.0000e+00	-2.3918e+02	-2.4654e+03	-9.4970e+01
224	46	0.0000e+00	0.0000e+00	0.0000e+00	-6.8222e+01	3.5930e+03	-4.4150e+01
	47	0.0000e+00	0.0000e+00	0.0000e+00	-8.0766e+02	4.0476e+03	3.0295e+01
	51	0.0000e+00	0.0000e+00	0.0000e+00	-8.8044e+02	3.3681e+03	1.7192e+02
	50	0.0000e+00	0.0000e+00	0.0000e+00	9.5163e+01	3.3573e+03	9.7472e+01
225	476	0.0000e+00	0.0000e+00	0.0000e+00	6.8724e+02	-3.8821e+03	4.6843e+02
	473	0.0000e+00	0.0000e+00	0.0000e+00	-3.3180e+02	-4.2328e+03	1.9177e+02
	409	0.0000e+00	0.0000e+00	0.0000e+00	-5.6421e+01	-3.9803e+02	1.0264e+01
	187	0.0000e+00	0.0000e+00	0.0000e+00	-1.1594e+02	-4.2456e+02	3.8484e+02
226	49	0.0000e+00	0.0000e+00	0.0000e+00	5.5463e+02	2.1843e+03	5.9809e+02
	50	0.0000e+00	0.0000e+00	0.0000e+00	-1.6493e+02	1.6574e+03	5.2850e+02
	473	0.0000e+00	0.0000e+00	0.0000e+00	-5.0516e+00	-3.3056e+03	-4.2534e+01
	476	0.0000e+00	0.0000e+00	0.0000e+00	8.5852e+01	-2.5994e+03	-7.0716e+01
227	45	0.0000e+00	0.0000e+00	0.0000e+00	6.5857e+02	3.0935e+03	-1.4077e+02
	46	0.0000e+00	0.0000e+00	0.0000e+00	-3.8066e+02	3.4432e+03	1.1478e+00
	50	0.0000e+00	0.0000e+00	0.0000e+00	-6.0573e+02	3.1450e+03	6.5128e+01
	49	0.0000e+00	0.0000e+00	0.0000e+00	1.0563e+03	3.2845e+03	-7.6790e+01
228	58	0.0000e+00	0.0000e+00	0.0000e+00	1.6753e+02	-9.1167e+02	-1.7557e+03
	1	0.0000e+00	0.0000e+00	0.0000e+00	-1.5196e+03	-1.1791e+03	-1.2124e+03
	464	0.0000e+00	0.0000e+00	0.0000e+00	1.9556e+03	2.4365e+03	-1.3100e+02
	421	0.0000e+00	0.0000e+00	0.0000e+00	-4.8389e+02	1.3343e+03	-7.3897e+02

SFORZI "Dinamica SLDh X" (Fase 1)

Generato da analisi lunedì 11 aprile 2022 alle ore 15:46:52.

Elem	Nodo	N	Vy	Vz	Mx	My	Mz
15	583	4.1214e-12	-1.7941e+02	-4.0198e-14	1.0968e+03	3.5829e-12	-1.3207e+04

	437	-4.1214e-12	1.7941e+02	4.0198e-14	-1.0968e+03	1.9929e-12	-1.4027e+04
16	430	-5.0141e-12	-1.2511e+02	2.0177e-14	-3.4823e+03	2.9369e-12	-1.1486e+04
	583	5.0141e-12	1.2511e+02	-2.0177e-14	3.4823e+03	-3.7129e-12	-1.1257e+04
17	437	1.6019e-12	-3.7130e+02	-1.7528e-13	5.1661e+04	7.2873e-11	-2.2312e+04
	133	-1.6019e-12	3.7130e+02	1.7528e-13	-5.1661e+04	-3.1060e-11	-2.1947e+04
18	428	-1.8978e-12	6.1627e+02	-1.2706e-12	7.7696e+04	3.0493e-11	6.2176e+04
	131	1.8978e-12	-6.1627e+02	1.2706e-12	-7.7696e+04	2.3552e-11	2.6782e+04
19	427	2.7399e-12	1.3350e+03	-4.7240e-13	6.8765e+04	5.8914e-11	1.1855e+05
	130	-2.7399e-12	-1.3350e+03	4.7240e-13	-6.8765e+04	-3.1124e-11	4.7616e+04
20	430	1.2791e-12	-1.0473e+03	1.3750e-12	5.1651e+04	-6.6411e-11	-7.0900e+04
	132	-1.2791e-12	1.0473e+03	-1.3750e-12	-5.1651e+04	-5.9278e-11	-5.4983e+04
21	446	-5.5197e-12	6.5300e+02	-1.0940e-12	5.5013e+04	5.9338e-11	5.1587e+04
	134	5.5197e-12	-6.5300e+02	1.0940e-12	-5.5013e+04	2.8719e-11	2.7553e+04
22	455	-8.5466e-13	-1.6326e+03	7.0384e-13	4.6727e+04	-9.4607e-11	-1.3431e+05
	135	8.5466e-13	1.6326e+03	-7.0384e-13	-4.6727e+04	8.9730e-11	-6.2792e+04
23	460	-1.1845e-12	-3.0735e+03	2.3252e-12	5.0044e+04	-2.7490e-11	-2.3267e+05
	136	1.1845e-12	3.0735e+03	-2.3252e-12	-5.0044e+04	-4.6815e-11	-1.3437e+05
229	460	2.7744e-12	-2.4847e+01	4.1589e-15	-9.0423e+03	-1.9550e-12	-2.4708e+03
	25	-2.7744e-12	2.4847e+01	-4.1589e-15	9.0423e+03	1.0464e-12	-5.5091e+03
230	455	-5.1928e-13	-4.3598e+01	7.3587e-15	5.6916e+02	-1.1775e-12	-6.2331e+03
	460	5.1928e-13	4.3598e+01	-7.3587e-15	-5.6916e+02	-1.5344e-12	-7.0038e+03
231	446	9.4227e-13	-4.1634e+01	2.2303e-15	-1.8610e+02	-7.9799e-13	-7.1659e+03
	455	-9.4227e-13	4.1634e+01	-2.2303e-15	1.8610e+02	5.6048e-13	-7.5803e+03
232	437	2.9669e-12	-4.9896e+01	-4.5153e-15	-1.5924e+03	6.0678e-13	-7.6731e+03
	446	-2.9669e-12	4.9896e+01	4.5153e-15	1.5924e+03	7.5062e-13	-7.4755e+03
233	428	3.8766e-12	-4.8917e+01	7.8131e-15	5.2532e+02	-7.3313e-13	-8.1500e+03
	430	-3.8766e-12	4.8917e+01	-7.8131e-15	-5.2532e+02	-6.2753e-13	-7.7103e+03
234	427	-3.4470e-12	-5.2543e+01	7.3694e-15	-2.7046e+02	-3.3153e-13	-8.3124e+03
	428	3.4470e-12	5.2543e+01	-7.3694e-15	2.7046e+02	-8.2447e-13	-7.6398e+03
235	490	2.2881e-12	-4.2514e+01	-8.1524e-15	-5.3452e+02	6.6549e-13	-7.2658e+03
	427	-2.2881e-12	4.2514e+01	8.1524e-15	5.3452e+02	1.4468e-12	-5.7110e+03
236	410	-1.1909e-12	-2.5658e+01	-7.5693e-15	8.2271e+02	1.1468e-12	-2.9799e+03
	471	1.1909e-12	2.5658e+01	7.5693e-15	-8.2271e+02	1.5206e-12	-5.1073e+03
237	408	-5.2345e-12	-4.3264e+01	-6.4646e-15	7.2310e+02	1.1699e-12	-6.1669e+03
	410	5.2345e-12	4.3264e+01	6.4646e-15	-7.2310e+02	1.0732e-12	-6.9675e+03
238	405	-7.4958e-13	-4.1845e+01	-2.9967e-15	1.3663e+03	3.4496e-13	-7.0185e+03
	408	7.4958e-13	4.1845e+01	2.9967e-15	-1.3663e+03	4.4059e-13	-7.8025e+03
239	404	-3.4112e-12	-6.4522e+01	5.5066e-15	1.1795e+03	-7.5070e-13	-9.6993e+03
	405	3.4112e-12	6.4522e+01	-5.5066e-15	-1.1795e+03	-5.1774e-13	-9.8888e+03
240	403	-1.8269e-12	-5.1036e+01	3.6014e-15	9.7724e+02	-6.4769e-13	-8.9813e+03
	404	1.8269e-12	5.1036e+01	-3.6014e-15	-9.7724e+02	-8.5126e-13	-9.0953e+03
241	402	-3.4131e-12	-6.9622e+01	-7.8310e-15	1.0968e+03	9.3848e-13	-1.0694e+04
	403	3.4131e-12	6.9622e+01	7.8310e-15	-1.0968e+03	1.1892e-12	-1.0442e+04
242	401	-3.4112e-12	-6.3964e+01	-5.3441e-15	-6.8853e+02	5.7043e-13	-9.8417e+03
	402	3.4112e-12	6.3964e+01	5.3441e-15	6.8853e+02	9.4286e-13	-9.5792e+03
243	470	-3.4131e-12	-5.9141e+01	8.0005e-15	-1.5465e+03	-1.8785e-12	-9.5973e+03
	401	3.4131e-12	5.9141e+01	-8.0005e-15	1.5465e+03	-1.0707e-12	-8.3573e+03
244	158	3.6153e-13	1.9280e+02	-1.1491e-14	-4.0138e+04	-2.2525e-12	4.8042e+04
	405	-3.6153e-13	-1.9280e+02	1.1491e-14	4.0138e+04	9.2010e-12	5.3928e+04
245	152	-2.9232e-13	-1.1929e+02	7.2023e-15	-5.9818e+04	9.1652e-12	-3.4166e+04

	403	2.9232e-13	1.1929e+02	-7.2023e-15	5.9818e+04	-1.6387e-11	-2.9096e+04
246	160	-1.8219e-12	4.7855e+02	2.2202e-14	-3.7059e+04	-2.8069e-12	1.2225e+05
	410	1.8219e-12	-4.7855e+02	-2.2202e-14	3.7059e+04	-8.1549e-13	1.3086e+05
247	159	-1.2565e-12	3.2688e+02	3.4345e-15	-3.9639e+04	1.9718e-12	7.9825e+04
	408	1.2565e-12	-3.2688e+02	-3.4345e-15	3.9639e+04	-6.4878e-12	9.3124e+04
248	157	1.5368e-13	4.0950e+01	-2.3180e-14	-3.9846e+04	9.2949e-12	8.8505e+03
	404	-1.5368e-13	-4.0950e+01	2.3180e-14	3.9846e+04	4.3498e-12	1.3020e+04
249	150	5.7953e-13	-1.8596e+02	8.3916e-15	-5.5348e+04	-7.3700e-12	-4.8416e+04
	402	-5.7953e-13	1.8596e+02	-8.3916e-15	5.5348e+04	4.2523e-12	-5.0281e+04
250	149	-2.8217e-13	-2.8261e+02	1.4880e-14	-5.7890e+04	2.4398e-12	-7.7948e+04
	401	2.8217e-13	2.8261e+02	-1.4880e-14	5.7890e+04	-8.8518e-12	-7.1682e+04
332	172	-2.9617e-12	3.3081e+02	3.0222e-14	1.6149e+04	-7.5705e-12	2.6072e+04
	489	2.9617e-12	-3.3081e+02	-3.0222e-14	-1.6149e+04	-5.8431e-12	7.7040e+04
333	139	-2.3764e-12	7.3563e+02	2.4285e-14	5.2174e+03	-5.9172e-12	1.3898e+05
	172	2.3764e-12	-7.3563e+02	-2.4285e-14	-5.2174e+03	-3.7067e-12	9.1320e+04
334	179	1.5029e-11	1.0798e+03	9.2622e-13	6.9213e+04	-1.1762e-10	8.4992e+04
	57	-1.5029e-11	-1.0798e+03	-9.2622e-13	-6.9213e+04	-1.1878e-10	2.5130e+05
335	259	-3.0059e-11	1.0590e+03	3.1888e-14	6.5960e+03	5.8243e-11	2.3626e+05
	179	3.0059e-11	-1.0590e+03	-3.1888e-14	-6.5960e+03	-5.8435e-11	9.5239e+04
336	2	-4.5851e-13	2.7253e+01	1.1413e-13	8.2774e+03	1.1642e-10	4.1290e+03
	3	4.5851e-13	-2.7253e+01	-1.1413e-13	-8.2774e+03	-1.1648e-10	1.9810e+03
337	54	-3.2616e-11	-2.6065e+01	2.4286e-13	-7.4746e+03	4.1579e-11	-3.8490e+03
	4	3.2616e-11	2.6065e+01	-2.4286e-13	7.4746e+03	-1.1734e-10	-2.0166e+03
338	56	-2.9104e-11	1.0954e+02	-5.1588e-13	-1.1918e+04	1.1738e-10	1.2107e+04
	55	2.9104e-11	-1.0954e+02	5.1588e-13	1.1918e+04	-6.5251e-11	1.2378e+04
339	59	2.3746e-12	-9.1246e+01	9.1740e-13	1.0647e+04	-1.4631e-10	-1.2490e+04
	57	-2.3746e-12	9.1246e+01	-9.1740e-13	-1.0647e+04	-9.2112e-11	-7.9123e+03
340	71	2.4182e-10	6.2534e+04	1.1643e-10	1.9931e+05	-7.1115e-10	4.7217e+05
	68	-2.4182e-10	-6.2534e+04	-1.1643e-10	-1.9931e+05	-3.6383e-11	4.1238e+05
341	66	-5.8518e-10	-6.1239e+04	2.9503e-11	2.0239e+05	-1.2629e-10	-4.5400e+05
	69	5.8518e-10	6.1239e+04	-2.9503e-11	-2.0239e+05	-2.3666e-10	-4.1233e+05
342	72	4.0821e-12	2.8283e+00	4.2753e-14	8.7981e+03	-8.2674e-12	5.0530e+02
	73	-4.0821e-12	-2.8283e+00	-4.2753e-14	-8.7981e+03	-1.5120e-11	5.7573e+02
343	180	1.4899e-10	-6.8260e+03	5.8364e-11	-3.5108e+05	-5.2165e-10	3.4235e+05
	72	-1.4899e-10	6.8260e+03	-5.8364e-11	3.5108e+05	-9.6054e-10	-4.8714e+05
344	63	-1.0423e-12	-6.8260e+03	-4.5570e-13	-8.4362e+03	2.7292e-12	-6.4966e+05
	180	1.0423e-12	6.8260e+03	4.5570e-13	8.4362e+03	3.3118e-12	-4.9029e+05
345	62	1.0650e-11	-1.0243e+02	-8.8764e-15	-6.5572e+03	-4.2918e-12	-1.2515e+04
	63	-1.0650e-11	1.0243e+02	8.8764e-15	6.5572e+03	4.6040e-12	-1.5151e+04
346	65	-1.7717e-10	-8.3169e+04	3.1325e-11	2.5254e+05	-9.3164e-10	-8.6743e+05
	62	1.7717e-10	8.3169e+04	-3.1325e-11	-2.5254e+05	5.2184e-10	-8.9692e+05
347	64	-9.4652e-13	-7.1620e+00	-2.9568e-14	1.3761e+04	-3.6469e-12	-3.4397e+03
	65	9.4652e-13	7.1620e+00	2.9568e-14	-1.3761e+04	3.7991e-11	1.3320e+03
348	249	1.4807e-11	-6.9287e+03	1.1480e-13	-4.8495e+04	-1.0232e-12	-9.9570e+05
	248	-1.4807e-11	6.9287e+03	-1.1480e-13	4.8495e+04	-1.4581e-11	-1.1869e+06
349	233	6.9340e-11	-7.4695e+03	2.5481e-13	1.2227e+04	-2.9104e-11	-1.1682e+06
	249	-6.9340e-11	7.4695e+03	-2.5481e-13	-1.2227e+04	-2.9104e-11	-1.2071e+06
350	262	-1.5004e-11	-7.0133e+03	2.3492e-13	-1.5625e+04	-4.3725e-11	-1.0473e+06
	233	1.5004e-11	7.0133e+03	-2.3492e-13	1.5625e+04	-1.6360e-11	-1.1830e+06
351	263	4.9487e-12	-4.0786e+03	9.0006e-14	3.5128e+04	-7.2988e-12	-6.5449e+05

	262	-4.9487e-12	4.0786e+03	-9.0006e-14	-3.5128e+04	-9.2402e-12	-6.4250e+05
352	264	7.6409e-11	-6.1065e+03	-5.7072e-14	-1.5079e+04	-1.4704e-11	-1.0567e+06
	263	-7.6409e-11	6.1065e+03	5.7072e-14	1.5079e+04	2.4422e-11	-9.2806e+05
353	265	4.5579e-11	-7.8330e+03	-1.1376e-13	-9.2136e+03	1.6297e-11	-1.2353e+06
	264	-4.5579e-11	7.8330e+03	1.1376e-13	9.2136e+03	1.4700e-11	-1.2596e+06
354	258	-1.4558e-11	-7.2393e+03	1.5894e-14	4.1964e+04	4.1252e-11	-1.1583e+06
	265	1.4558e-11	7.2393e+03	-1.5894e-14	-4.1964e+04	-5.8330e-11	-1.1076e+06
355	243	8.6301e-11	-6.0633e+03	-7.1193e-15	-2.4460e+04	1.3027e-10	-9.6097e+05
	258	-8.6301e-11	6.0633e+03	7.1193e-15	2.4460e+04	-6.5308e-11	-9.2570e+05
356	260	-3.0000e-11	2.3738e+03	2.5434e-13	-1.5672e+03	-5.8691e-11	3.6708e+05
	259	3.0000e-11	-2.3738e+03	-2.5434e-13	1.5672e+03	-6.5264e-11	3.8898e+05
357	65	-3.2545e-11	9.7455e+03	4.7729e-13	-1.5901e+04	1.7263e-11	8.4098e+05
	260	3.2545e-11	-9.7455e+03	-4.7729e-13	1.5901e+04	-8.3868e-11	8.1249e+05
358	257	7.2760e-12	-2.1326e+03	-1.0179e-12	2.7708e+04	1.1677e-10	-3.3249e+05
	3	-7.2760e-12	2.1326e+03	1.0179e-12	-2.7708e+04	5.8774e-11	-3.5070e+05
359	261	-7.5890e-12	-2.1730e+03	2.0122e-14	1.2530e+04	-8.2378e-11	-3.4398e+05
	257	7.5890e-12	2.1730e+03	-2.0122e-14	-1.2530e+04	1.8225e-12	-3.4704e+05
360	72	1.4674e-11	-2.4424e+03	-2.2837e-13	1.2076e+04	1.1369e-13	-4.0188e+05
	261	-1.4674e-11	2.4424e+03	2.2837e-13	-1.2076e+04	1.8201e-12	-3.9273e+05
369	241	-2.9331e-11	-2.6607e+03	9.1141e-13	3.0345e+04	-3.6398e-12	-4.1122e+05
	4	2.9331e-11	2.6607e+03	-9.1141e-13	-3.0345e+04	-1.1369e-13	-4.4114e+05
370	245	-1.4583e-11	-3.0971e+03	-1.4246e-14	1.1793e+04	-5.8322e-11	-4.9036e+05
	241	1.4583e-11	3.0971e+03	1.4246e-14	-1.1793e+04	5.8322e-11	-4.9451e+05
371	240	1.4581e-11	-3.1335e+03	2.8461e-14	1.0724e+04	3.6452e-12	-4.9759e+05
	245	-1.4581e-11	3.1335e+03	-2.8461e-14	-1.0724e+04	-2.9137e-11	-4.9885e+05
372	246	2.9107e-11	-3.1309e+03	1.1391e-13	9.9130e+03	-2.7715e-12	-4.9820e+05
	240	-2.9107e-11	3.1309e+03	-1.1391e-13	-9.9130e+03	-2.0920e-11	-4.9743e+05
373	242	5.8672e-11	-3.0482e+03	-5.7453e-14	1.1581e+04	-2.6427e-11	-4.9997e+05
	246	-5.8672e-11	3.0482e+03	5.7453e-14	-1.1581e+04	4.1330e-11	-4.9069e+05
374	214	0.0000e+00	-1.6059e+03	-2.1725e-14	-1.2496e+04	2.9471e-11	-1.7663e+05
	242	0.0000e+00	1.6059e+03	2.1725e-14	1.2496e+04	-5.1649e-12	-3.3486e+05
375	213	5.8325e-11	-5.6531e+02	4.5541e-13	-7.9487e+03	-1.4579e-10	-9.1142e+04
	214	-5.8325e-11	5.6531e+02	-4.5541e-13	7.9487e+03	7.5548e-12	-8.5801e+04
376	55	-5.8919e-11	-1.3995e+03	-9.1716e-13	7.7609e+04	5.8442e-11	-3.2119e+05
	213	5.8919e-11	1.3995e+03	9.1716e-13	-7.7609e+04	5.8322e-11	-1.1464e+05
385	179	-1.4552e-11	-3.2320e+02	2.8458e-13	4.5164e+04	-1.0199e-10	-7.5941e+04
	258	1.4552e-11	3.2320e+02	-2.8458e-13	-4.5164e+04	-4.6031e-11	-9.1807e+04
386	253	1.4700e-11	-3.2418e+02	3.7523e-12	-1.3245e+05	-1.5001e-11	-7.1648e+04
	179	-1.4700e-11	3.2418e+02	-3.7523e-12	1.3245e+05	-2.3464e-10	8.9284e+03
387	250	-1.6379e-11	3.5057e+03	-1.8762e-12	1.0707e+05	1.3041e-10	1.8662e+05
	72	1.6379e-11	-3.5057e+03	1.8762e-12	-1.0707e+05	1.0536e-10	4.3965e+05
388	70	8.0127e-11	-1.0310e+04	-1.0204e-12	2.0282e+04	3.2544e-11	-6.9217e+05
	73	-8.0127e-11	1.0310e+04	1.0204e-12	-2.0282e+04	6.5490e-11	-8.3234e+05
389	67	7.2856e-11	1.2755e+03	-1.1893e-13	2.1316e+04	-5.2525e-11	1.0132e+05
	70	-7.2856e-11	-1.2755e+03	1.1893e-13	-2.1316e+04	5.3037e-11	1.1939e+05
390	64	-2.9721e-11	-8.6667e+03	6.3051e-13	1.7180e+04	-1.7876e-10	-7.0805e+05
	67	2.9721e-11	8.6667e+03	-6.3051e-13	-1.7180e+04	1.1707e-10	-5.7348e+05
391	67	-1.0324e-12	1.3814e+03	-6.3707e-12	-4.5709e+04	4.0983e-10	1.2004e+05
	263	1.0324e-12	-1.3814e+03	6.3707e-12	4.5709e+04	4.8786e-11	1.1267e+05
392	73	-7.3469e-12	-1.5510e+03	6.5424e-13	-1.3599e+05	8.5372e-11	-1.2860e+05

	262	7.3469e-12	1.5510e+03	-6.5424e-13	1.3599e+05	-4.0934e-10	-1.0741e+05
393	257	9.1038e-13	2.6237e+02	-1.3208e-13	-2.1146e+04	3.0150e-11	7.0676e+04
	249	-9.1038e-13	-2.6237e+02	1.3208e-13	2.1146e+04	3.0906e-11	6.5509e+04
394	256	-1.4552e-11	-8.3571e+02	-2.0631e-12	5.3846e+04	5.8517e-10	-8.3242e+04
	257	1.4552e-11	8.3571e+02	2.0631e-12	-5.3846e+04	-1.1773e-10	-7.8511e+04
395	261	-1.0343e-11	1.3172e+02	1.1409e-13	-2.0354e+04	-1.1151e-11	3.4526e+04
	233	1.0343e-11	-1.3172e+02	-1.1409e-13	2.0354e+04	-3.3016e-11	3.3849e+04
396	252	-1.3666e-12	-4.8782e+02	9.1932e-13	5.9816e+04	3.5418e-10	-4.6986e+04
	261	1.3666e-12	4.8782e+02	-9.1932e-13	-5.9816e+04	-4.8028e-10	-4.7511e+04
397	260	-2.6206e-13	1.3843e+02	1.2147e-13	-1.6922e+04	5.8482e-11	3.5485e+04
	264	2.6206e-13	-1.3843e+02	-1.2147e-13	1.6922e+04	-2.6595e-10	3.6518e+04
398	254	-1.4651e-11	-2.0486e+03	-1.5003e-11	4.6069e+04	3.0003e-11	-1.8999e+05
	260	1.4651e-11	2.0486e+03	1.5003e-11	-4.6069e+04	4.8056e-10	-2.0650e+05
399	243	-2.1928e-11	-3.3692e+03	1.5648e-13	9.5852e+04	-4.3704e-11	-7.8183e+05
	55	2.1928e-11	3.3692e+03	-1.5648e-13	-9.5852e+04	-2.9256e-12	-1.0611e+06
400	57	-2.9119e-11	-4.1102e+03	1.4413e-14	-4.8769e+04	3.6576e-11	-1.1623e+06
	243	2.9119e-11	4.1102e+03	-1.4413e-14	4.8769e+04	-5.8334e-11	-8.6813e+05
401	248	-1.4580e-11	1.6305e+03	8.5434e-14	6.4509e+04	-1.8485e-11	2.9467e+05
	4	1.4580e-11	-1.6305e+03	-8.5434e-14	-6.4509e+04	-1.1824e-11	5.8095e+05
402	3	4.5497e-13	2.0768e+03	4.7818e-14	-2.3770e+04	1.1590e-11	6.7820e+05
	248	-4.5497e-13	-2.0768e+03	-4.7818e-14	2.3770e+04	-3.0003e-11	3.6861e+05
403	241	-2.0347e-12	1.1858e+03	3.4108e-13	-8.4901e+04	2.1480e-10	1.0554e+05
	236	2.0347e-12	-1.1858e+03	-3.4108e-13	8.4901e+04	-3.9504e-10	1.2394e+05
404	249	-1.8228e-12	2.2115e+02	-3.3566e-14	4.5138e+04	1.7523e-10	6.0475e+04
	241	1.8228e-12	-2.2115e+02	3.3566e-14	-4.5138e+04	-5.9235e-11	6.1602e+04
405	245	-4.6960e-13	7.1886e+02	3.6452e-12	-7.3524e+04	-2.3465e-10	6.6054e+04
	244	4.6960e-13	-7.1886e+02	-3.6452e-12	7.3524e+04	-1.1666e-10	7.3046e+04
406	233	7.3080e-12	1.5229e+02	4.1390e-13	5.6153e+04	-3.3787e-11	4.3452e+04
	245	-7.3080e-12	-1.5229e+02	-4.1390e-13	-5.6153e+04	-2.0602e-10	4.0618e+04
407	240	6.8463e-13	1.9312e+02	-1.8248e-12	-7.3364e+04	5.8280e-10	1.6909e+04
	238	-6.8463e-13	-1.9312e+02	1.8248e-12	7.3364e+04	-3.5302e-10	2.0470e+04
408	262	-1.8190e-12	1.1671e+02	2.9119e-14	8.1587e+04	6.0639e-12	4.5919e+04
	240	1.8190e-12	-1.1671e+02	-2.9119e-14	-8.1587e+04	-1.7100e-11	2.0546e+04
409	246	-2.5304e-12	-3.0836e+02	-5.5431e-12	-7.7219e+04	5.9442e-10	-2.8235e+04
	239	2.5304e-12	3.0836e+02	5.5431e-12	7.7219e+04	1.1762e-10	-3.1434e+04
410	263	1.1450e-12	-9.8459e+01	2.8793e-13	6.8437e+04	-7.3440e-11	-2.9308e+04
	246	-1.1450e-12	9.8459e+01	-2.8793e-13	-6.8437e+04	-4.9435e-11	-2.5435e+04
411	242	1.0233e-12	4.9401e+02	-3.6063e-13	-3.6411e+04	-3.5409e-10	4.1422e+04
	247	-1.0233e-12	-4.9401e+02	3.6063e-13	3.6411e+04	4.6573e-10	5.4775e+04
412	264	-7.2948e-12	-2.0782e+02	-1.7395e-13	6.0545e+04	4.1540e-11	-5.7630e+04
	242	7.2948e-12	2.0782e+02	1.7395e-13	-6.0545e+04	1.5300e-11	-5.7090e+04
413	213	-5.8209e-11	-1.0411e+03	-1.0914e-11	1.7695e+05	1.1874e-09	-3.5375e+04
	235	5.8209e-11	1.0411e+03	1.0914e-11	-1.7695e+05	9.3144e-10	-1.7237e+05
414	258	1.3645e-12	-2.6224e+02	1.1748e-13	-3.2280e+04	9.2384e-11	-8.8887e+04
	213	-1.3645e-12	2.6224e+02	-1.1748e-13	3.2280e+04	-1.0820e-10	-5.6508e+04
415	214	-2.9132e-11	4.1347e+02	-2.7291e-12	2.2715e+05	5.8407e-11	1.9569e+05
	234	2.9132e-11	-4.1347e+02	2.7291e-12	-2.2715e+05	2.9251e-10	-1.7024e+05
416	265	3.6380e-12	-7.9593e+02	-1.1459e-13	-3.5785e+04	8.5945e-12	-2.3557e+05
	214	-3.6380e-12	7.9593e+02	1.1459e-13	3.5785e+04	2.4082e-11	-2.0401e+05
417	259	1.4555e-11	-6.8797e+02	-1.6765e-14	-3.7590e+04	-1.8282e-11	-1.8220e+05

	265	-1.4555e-11	6.8797e+02	1.6765e-14	3.7590e+04	5.0934e-11	-1.7494e+05
418	255	-1.4559e-11	-2.3828e+03	-1.2879e-12	5.6885e+04	8.2359e-11	-2.7996e+05
	259	1.4559e-11	2.3828e+03	1.2879e-12	-5.6885e+04	1.0540e-10	-1.8429e+05
419	177	-1.1738e-10	1.0864e+03	-3.7587e-12	8.0806e+04	4.8023e-10	8.8493e+04
	81	1.1738e-10	-1.0864e+03	3.7587e-12	-8.0806e+04	5.8223e-10	2.4988e+05
420	301	2.9161e-11	1.1073e+03	-4.0204e-14	4.9004e+03	1.1670e-10	2.4463e+05
	177	-2.9161e-11	-1.1073e+03	4.0204e-14	-4.9004e+03	-7.2777e-12	1.0200e+05
421	165	-9.1127e-13	2.8568e+01	-1.8759e-12	9.3546e+03	5.8661e-11	5.0150e+03
	164	9.1127e-13	-2.8568e+01	1.8759e-12	-9.3546e+03	2.4001e-10	1.3992e+03
422	125	8.2499e-11	-3.3354e+01	1.8190e-12	-8.5208e+03	-2.9703e-10	-4.7801e+03
	124	-8.2499e-11	3.3354e+01	-1.8190e-12	8.5208e+03	-2.4028e-10	-2.7020e+03
423	75	-9.0949e-13	-8.9737e+00	9.0972e-13	-1.5836e+04	-6.6087e-11	-2.4782e+03
	74	9.0949e-13	8.9737e+00	-9.0972e-13	1.5836e+04	-1.1649e-10	1.4092e+03
424	80	5.8350e-11	-1.2632e+01	-9.1216e-13	1.1666e+04	1.3102e-10	-4.4305e+03
	81	-5.8350e-11	1.2632e+01	9.1216e-13	-1.1666e+04	1.1644e-10	1.9389e+03
425	112	1.0501e-09	5.3611e+04	-3.5481e-10	1.5608e+05	9.3314e-10	4.2891e+05
	105	-1.0501e-09	-5.3611e+04	3.5481e-10	-1.5608e+05	9.3360e-10	3.2967e+05
426	99	9.3861e-10	-4.8989e+04	-1.7497e-10	1.4284e+05	1.1658e-09	-3.8562e+05
	106	-9.3861e-10	4.8989e+04	1.7497e-10	-1.4284e+05	4.7042e-10	-3.0792e+05
427	117	8.1793e-12	3.0223e+00	-2.3449e-13	1.0278e+04	2.9104e-11	5.7020e+02
	118	-8.1793e-12	-3.0223e+00	2.3449e-13	-1.0278e+04	2.9178e-11	5.8503e+02
428	178	-7.0817e-10	-7.1450e+03	-1.1649e-10	-3.6372e+05	-9.3314e-10	3.6015e+05
	117	7.0817e-10	7.1450e+03	1.1649e-10	3.6372e+05	3.7561e-09	-5.1171e+05
429	93	-6.0034e-11	-7.1450e+03	-1.0186e-12	-8.1941e+03	2.8786e-12	-6.8142e+05
	178	6.0034e-11	7.1450e+03	1.0186e-12	8.1941e+03	2.9472e-11	-5.1179e+05
430	94	8.7355e-11	-4.8425e+01	4.7563e-14	-8.2743e+03	-3.6672e-12	-4.5721e+03
	93	-8.7355e-11	4.8425e+01	-4.7563e-14	8.2743e+03	-7.4516e-12	-8.5419e+03
431	86	-1.6548e-10	-5.8961e+04	-5.9363e-10	1.7105e+05	3.7549e-09	-6.0180e+05
	94	1.6548e-10	5.8961e+04	5.9363e-10	-1.7105e+05	1.9205e-09	-6.4927e+05
432	87	-3.6628e-12	-1.1875e+01	-2.3443e-13	1.2638e+04	3.2593e-11	-2.7257e+03
	86	3.6628e-12	1.1875e+01	2.3443e-13	-1.2638e+04	2.0587e-11	-2.8193e+03
433	298	-1.5501e-10	-7.5139e+03	5.6843e-14	-5.6479e+04	-7.2771e-12	-1.0913e+06
	309	1.5501e-10	7.5139e+03	-5.6843e-14	5.6479e+04	-5.4582e-12	-1.2756e+06
434	325	-1.9659e-10	-8.4011e+03	5.0887e-13	1.5776e+04	-5.8463e-11	-1.3157e+06
	298	1.9659e-10	8.4011e+03	-5.0887e-13	-1.5776e+04	-4.6379e-12	-1.3559e+06
435	304	-3.2541e-11	-7.7651e+03	5.0912e-13	-1.9433e+04	-6.5135e-11	-1.1528e+06
	325	3.2541e-11	7.7651e+03	-5.0912e-13	1.9433e+04	-4.1249e-11	-1.3165e+06
436	299	-2.3161e-11	-4.7293e+03	1.2725e-13	4.0168e+04	-1.4764e-11	-7.5520e+05
	304	2.3161e-11	4.7293e+03	-1.2725e-13	-4.0168e+04	-1.8216e-11	-7.4871e+05
437	332	-1.1281e-10	-6.8855e+03	-5.7231e-14	-2.0017e+04	-7.8007e-12	-1.1995e+06
	299	1.1281e-10	6.8855e+03	5.7231e-14	2.0017e+04	3.2682e-11	-1.0384e+06
438	333	-1.7257e-11	-8.6852e+03	-2.2740e-13	-9.8952e+03	6.5091e-11	-1.3696e+06
	332	1.7257e-11	8.6852e+03	2.2740e-13	9.8952e+03	5.8236e-11	-1.3967e+06
439	306	-2.4631e-11	-8.2019e+03	-3.2564e-14	5.1726e+04	-1.0563e-10	-1.3104e+06
	333	2.4631e-11	8.2019e+03	3.2564e-14	-5.1726e+04	1.3063e-10	-1.2568e+06
440	316	-1.3756e-11	-6.5616e+03	-1.0168e-12	-2.5291e+04	2.6062e-10	-1.0180e+06
	306	1.3756e-11	6.5616e+03	1.0168e-12	2.5291e+04	1.1698e-10	-1.0238e+06
441	305	-3.2590e-11	2.4839e+03	2.8436e-14	2.1078e+03	7.2938e-12	3.8451e+05
	301	3.2590e-11	-2.4839e+03	-2.8436e-14	-2.1078e+03	-1.3023e-10	4.0662e+05
442	86	-1.1655e-10	1.0171e+04	-1.8354e-12	-1.8374e+04	5.1977e-12	8.8576e+05

	305	1.1655e-10	-1.0171e+04	1.8354e-12	1.8374e+04	2.9116e-10	8.3997e+05
443	311	-3.2742e-11	-2.2070e+03	-2.0373e-12	3.4137e+04	2.6082e-10	-3.4471e+05
	164	3.2742e-11	2.2070e+03	2.0373e-12	-3.4137e+04	2.6097e-10	-3.6232e+05
444	312	6.0030e-11	-2.2235e+03	-9.0994e-13	1.5283e+04	4.8016e-10	-3.5224e+05
	311	-6.0030e-11	2.2235e+03	9.0994e-13	-1.5283e+04	-2.0495e-13	-3.5484e+05
445	117	-6.0034e-11	-2.4927e+03	-2.8429e-14	1.4160e+04	5.8774e-11	-4.0918e+05
	312	6.0034e-11	2.4927e+03	2.8429e-14	-1.4160e+04	-7.2902e-12	-4.0180e+05
454	318	1.1643e-10	-2.8527e+03	-9.2098e-13	3.6595e+04	5.6843e-14	-4.3925e+05
	124	-1.1643e-10	2.8527e+03	9.2098e-13	-3.6595e+04	3.6773e-12	-4.7463e+05
455	322	-5.8238e-11	-3.3267e+03	-5.6850e-14	1.5265e+04	7.2777e-12	-5.2708e+05
	318	5.8238e-11	3.3267e+03	5.6850e-14	-1.5265e+04	1.2711e-13	-5.3082e+05
456	327	-1.0168e-12	-3.3668e+03	-7.1061e-14	1.3740e+04	1.8270e-12	-5.3453e+05
	322	1.0168e-12	3.3668e+03	7.1061e-14	-1.3740e+04	1.8349e-12	-5.3612e+05
457	315	5.8272e-11	-3.3664e+03	2.5622e-13	1.2347e+04	-4.6405e-12	-5.3568e+05
	327	-5.8272e-11	3.3664e+03	-2.5622e-13	-1.2347e+04	-3.2759e-11	-5.3484e+05
458	328	-6.0015e-11	-3.2604e+03	-2.5622e-13	1.4198e+04	4.1262e-11	-5.3441e+05
	315	6.0015e-11	3.2604e+03	2.5622e-13	-1.4198e+04	2.9175e-11	-5.2522e+05
459	287	2.9107e-11	-1.7386e+03	-4.5674e-13	-1.7171e+04	1.8375e-12	-1.9330e+05
	328	-2.9107e-11	1.7386e+03	4.5674e-13	1.7171e+04	9.2752e-12	-3.6045e+05
460	270	1.1643e-10	-6.4679e+02	4.0691e-12	-6.9988e+03	-3.2947e-10	-1.0567e+05
	287	-1.1643e-10	6.4679e+02	-4.0691e-12	6.9988e+03	-1.1664e-10	-9.6774e+04
461	74	-6.0030e-11	-1.4028e+03	-1.8208e-12	8.6405e+04	1.1670e-10	-3.1739e+05
	270	6.0030e-11	1.4028e+03	1.8208e-12	-8.6405e+04	2.6034e-10	-1.1949e+05
470	177	-2.9178e-11	-3.9816e+02	4.5940e-13	4.9791e+04	-3.2858e-11	-9.1686e+04
	306	2.9178e-11	3.9816e+02	-4.5940e-13	-4.9791e+04	-6.0691e-11	-1.1496e+05
471	313	1.8236e-12	-4.2865e+02	-7.2797e-12	-1.3788e+05	2.3328e-10	-9.3827e+04
	177	-1.8236e-12	4.2865e+02	7.2797e-12	1.3788e+05	1.3971e-09	1.1087e+04
472	303	-4.1204e-11	3.4520e+03	-5.4570e-12	1.0302e+05	5.2084e-10	1.8913e+05
	117	4.1204e-11	-3.4520e+03	5.4570e-12	-1.0302e+05	3.2963e-10	4.2752e+05
473	111	2.9111e-10	-1.1409e+04	-5.7231e-14	2.8226e+04	2.3297e-10	-7.7608e+05
	118	-2.9111e-10	1.1409e+04	5.7231e-14	-2.8226e+04	-1.3049e-10	-9.1098e+05
474	100	1.6024e-10	1.6694e+03	-9.4289e-13	1.9985e+04	8.2605e-11	1.3433e+05
	111	-1.6024e-10	-1.6694e+03	9.4289e-13	-1.9985e+04	6.0837e-11	1.5455e+05
475	87	2.9618e-11	-9.7380e+03	-6.4374e-12	2.4376e+04	2.6605e-10	-7.8626e+05
	100	-2.9618e-11	9.7380e+03	6.4374e-12	-2.4376e+04	4.2414e-10	-6.5370e+05
476	100	-5.6767e-12	1.6572e+03	3.6385e-12	-5.0675e+04	-9.9020e-10	1.4624e+05
	299	5.6767e-12	-1.6572e+03	-3.6385e-12	5.0675e+04	2.4014e-10	1.3292e+05
477	118	-2.3195e-12	-1.7699e+03	1.4562e-11	-1.3425e+05	-6.5807e-10	-1.4551e+05
	304	2.3195e-12	1.7699e+03	-1.4562e-11	1.3425e+05	-7.0095e-10	-1.2382e+05
478	311	2.9107e-11	3.2180e+02	-2.3443e-13	-1.8191e+04	2.3343e-10	8.6416e+04
	298	-2.9107e-11	-3.2180e+02	2.3443e-13	1.8191e+04	-1.2002e-10	8.0605e+04
479	307	1.1719e-13	-1.0624e+03	-1.8331e-12	5.1270e+04	-5.2088e-10	-1.0619e+05
	311	-1.1719e-13	1.0624e+03	1.8331e-12	-5.1270e+04	1.4163e-09	-9.9391e+04
480	312	-3.2568e-11	1.5612e+02	2.3534e-13	-1.7813e+04	-1.4552e-10	4.0925e+04
	325	3.2568e-11	-1.5612e+02	-2.3534e-13	1.7813e+04	2.9161e-11	4.0112e+04
481	300	1.8190e-12	-6.1649e+02	-7.5137e-12	5.9563e+04	5.2083e-10	-5.9779e+04
	312	-1.8190e-12	6.1649e+02	7.5137e-12	-5.9563e+04	9.6101e-10	-5.9541e+04
482	305	-6.8467e-13	1.8077e+02	-7.1143e-14	-1.4875e+04	3.4982e-10	4.6380e+04
	332	6.8467e-13	-1.8077e+02	7.1143e-14	1.4875e+04	-2.9127e-10	4.7639e+04
483	302	2.9175e-11	-2.4933e+03	-1.6276e-11	4.3818e+04	1.8629e-09	-2.3195e+05

	305	-2.9175e-11	2.4933e+03	1.6276e-11	-4.3818e+04	2.9457e-09	-2.5060e+05
484	316	8.2424e-11	-3.9785e+03	-1.7773e-15	9.2852e+04	1.4729e-11	-9.4675e+05
	74	-8.2424e-11	3.9785e+03	1.7773e-15	-9.2852e+04	-8.3886e-12	-1.2295e+06
485	81	2.7309e-12	-5.0605e+03	-3.9913e-13	-4.4284e+04	6.5897e-11	-1.4052e+06
	316	-2.7309e-12	5.0605e+03	3.9913e-13	4.4284e+04	2.6242e-11	-1.0947e+06
486	309	-2.2285e-12	2.0238e+03	1.7053e-13	7.1305e+04	-5.8224e-11	3.7002e+05
	124	2.2285e-12	-2.0238e+03	-1.7053e-13	-7.1305e+04	-5.8662e-11	7.1691e+05
487	164	-2.2280e-12	2.6622e+03	-1.1391e-13	-2.2493e+04	6.6412e-11	8.5545e+05
	309	2.2280e-12	-2.6622e+03	1.1391e-13	2.2493e+04	-5.8707e-11	4.8641e+05
488	318	-5.8321e-11	1.3216e+03	-7.2797e-12	-8.5357e+04	4.7423e-10	1.1934e+05
	317	5.8321e-11	-1.3216e+03	7.2797e-12	8.5357e+04	4.7176e-10	1.3642e+05
489	298	-1.4211e-14	2.7467e+02	1.3298e-13	4.6506e+04	-6.5496e-11	7.4460e+04
	318	1.4211e-14	-2.7467e+02	-1.3298e-13	-4.6506e+04	-4.1535e-11	7.7160e+04
490	322	-4.8979e-12	8.0565e+02	7.2842e-12	-7.3738e+04	-4.6595e-10	7.5261e+04
	324	4.8979e-12	-8.0565e+02	-7.2842e-12	7.3738e+04	-4.6589e-10	8.0632e+04
491	325	-2.9118e-11	1.8626e+02	-2.5426e-13	5.8103e+04	6.5110e-11	5.2530e+04
	322	2.9118e-11	-1.8626e+02	2.5426e-13	-5.8103e+04	9.3305e-11	5.0290e+04
492	327	-4.5702e-13	1.7195e+02	-6.8213e-13	-7.2905e+04	-5.2068e-10	1.5209e+04
	331	4.5702e-13	-1.7195e+02	6.8213e-13	7.2905e+04	9.6012e-10	1.8077e+04
493	304	1.0169e-12	1.4546e+02	6.2063e-17	8.6914e+04	-3.0015e-11	5.4578e+04
	327	-1.0169e-12	-1.4546e+02	-6.2063e-17	-8.6914e+04	2.2502e-11	2.7681e+04
494	315	1.0076e-11	-4.0455e+02	-1.8281e-11	-7.6874e+04	9.3158e-10	-3.7067e+04
	319	-1.0076e-11	4.0455e+02	1.8281e-11	7.6874e+04	5.2093e-10	-4.1219e+04
495	299	-1.2976e-12	-1.2791e+02	-6.8227e-13	7.3557e+04	1.9581e-10	-3.7636e+04
	315	1.2976e-12	1.2791e+02	6.8227e-13	-7.3557e+04	2.2800e-10	-3.3411e+04
496	328	-2.9164e-11	6.3188e+02	-1.8190e-11	-3.2072e+04	1.3977e-09	5.3709e+04
	310	2.9164e-11	-6.3188e+02	1.8190e-11	3.2072e+04	9.3178e-10	6.9110e+04
497	332	-1.4598e-11	-2.7135e+02	-3.5962e-13	6.2311e+04	1.7704e-10	-7.5183e+04
	328	1.4598e-11	2.7135e+02	3.5962e-13	-6.2311e+04	1.4626e-10	-7.4603e+04
498	270	4.4629e-12	-1.0420e+03	-1.4559e-11	1.9511e+05	3.7548e-09	-2.7143e+04
	323	-4.4629e-12	1.0420e+03	1.4559e-11	-1.9511e+05	-9.3178e-10	-1.8600e+05
499	306	9.1038e-13	-3.4420e+02	2.2737e-13	-3.4129e+04	1.4575e-10	-1.1583e+05
	270	-9.1038e-13	3.4420e+02	-2.2737e-13	3.4129e+04	-1.5506e-10	-7.4563e+04
500	287	5.8237e-11	4.1620e+02	-3.6452e-12	2.5091e+05	1.6480e-10	2.2403e+05
	329	-5.8237e-11	-4.1620e+02	3.6452e-12	-2.5091e+05	2.4000e-10	-2.2251e+05
501	333	1.4616e-11	-9.6037e+02	-3.6977e-13	-3.9979e+04	8.8560e-11	-2.9083e+05
	287	-1.4616e-11	9.6037e+02	3.6977e-13	3.9979e+04	4.7960e-11	-2.3952e+05
502	301	1.4609e-11	-9.3467e+02	-3.4236e-13	-3.3237e+04	5.8215e-11	-2.4401e+05
	333	-1.4609e-11	9.3467e+02	3.4236e-13	3.3237e+04	1.6271e-11	-2.4120e+05
503	308	2.0363e-12	-3.0950e+03	2.8643e-14	5.6515e+04	4.8050e-10	-3.6502e+05
	301	-2.0363e-12	3.0950e+03	-2.8643e-14	-5.6515e+04	-7.0874e-10	-2.3686e+05
504	173	-1.1642e-10	9.4469e+02	-8.1361e-12	7.5663e+04	4.6568e-10	7.7083e+04
	83	1.1642e-10	-9.4469e+02	8.1361e-12	-7.5663e+04	9.6013e-10	2.1721e+05
505	350	-6.5080e-11	9.5943e+02	-5.9024e-14	3.4641e+03	2.3295e-10	2.1210e+05
	173	6.5080e-11	-9.5943e+02	5.9024e-14	-3.4641e+03	-2.3286e-10	8.8237e+04
506	174	8.2364e-11	6.5164e+02	1.2203e-11	6.1693e+04	-4.6685e-10	4.9903e+04
	85	-8.2364e-11	-6.5164e+02	-1.2203e-11	-6.1693e+04	-4.6590e-10	1.5337e+05
507	453	-6.5141e-11	6.1049e+02	-1.8194e-12	6.4554e+03	6.5864e-10	1.3487e+05
	174	6.5141e-11	-6.1049e+02	1.8194e-12	-6.4554e+03	-4.6590e-10	5.6337e+04
508	122	6.5492e-11	-1.5237e+03	5.6889e-14	1.1037e+04	-1.1732e-10	-2.5079e+05

	461	-6.5492e-11	1.5237e+03	-5.6889e-14	-1.1037e+04	1.4211e-13	-2.4494e+05
509	475	6.3949e-14	3.5863e+02	3.8352e-15	-3.8932e+04	-3.2434e-12	1.0294e+05
	471	-6.3949e-14	-3.5863e+02	-3.8352e-15	3.8932e+04	2.7552e-12	8.1465e+04
510	484	-5.2391e-12	-3.6660e+02	2.0771e-13	-3.6481e+04	-8.2280e-12	-1.6036e+04
	482	5.2391e-12	3.6660e+02	-2.0771e-13	3.6481e+04	-8.5356e-12	-2.8666e+04
511	486	-4.3801e-14	1.1236e+01	3.5968e-15	-4.4774e+03	-3.0273e-12	2.9342e+03
	484	4.3801e-14	-1.1236e+01	-3.5968e-15	4.4774e+03	3.6084e-13	3.3810e+03
512	161	-2.9376e-12	3.6408e+02	8.5929e-14	-1.2936e+04	-8.1965e-12	2.8930e+04
	486	2.9376e-12	-3.6408e+02	-8.5929e-14	1.2936e+04	-8.3419e-12	1.5385e+04
513	483	-7.7394e-13	-9.3581e+01	-2.6831e-15	-1.3927e+04	5.9078e-13	-2.8636e+04
	470	7.7394e-13	9.3581e+01	2.6831e-15	1.3927e+04	1.1341e-12	-1.9421e+04
514	490	-3.8174e-12	-3.8249e+03	-3.0919e-13	5.3691e+04	-1.1138e-11	-1.5071e+05
	488	3.8174e-12	3.8249e+03	3.0919e-13	-5.3691e+04	4.0800e-11	-2.4527e+05
515	479	-5.7127e-13	8.4019e+01	7.4930e-14	6.3830e+03	-3.7819e-12	8.3002e+03
	478	5.7127e-13	-8.4019e+01	-7.4930e-14	-6.3830e+03	-2.0857e-12	1.0494e+04
516	475	-5.5876e-13	-8.1273e+01	1.6005e-13	-9.4278e+02	-2.5229e-12	-1.1168e+04
	474	5.5876e-13	8.1273e+01	-1.6005e-13	9.4278e+02	-7.3383e-12	-7.0318e+03
517	483	-2.5737e-13	2.1486e+01	-1.7456e-14	4.0077e+04	-9.2339e-12	1.2517e+04
	482	2.5737e-13	-2.1486e+01	1.7456e-14	-4.0077e+04	1.0097e-11	-9.9815e+03
518	488	1.0452e-12	-2.2526e+01	-1.7097e-14	6.9634e+03	-1.0063e-11	-4.1725e+03
	489	-1.0452e-12	2.2526e+01	1.7097e-14	-6.9634e+03	2.2141e-11	-1.5155e+03
519	497	1.1590e-11	7.4533e+03	-1.4997e-11	-5.1014e+04	2.2611e-10	5.9774e+04
	498	-1.1590e-11	-7.4533e+03	1.4997e-11	5.1014e+04	-1.3202e-10	4.6929e+04
520	495	6.1995e-11	9.1242e+03	-1.0924e-11	-5.6520e+04	3.4899e-11	7.5273e+04
	499	-6.1995e-11	-9.1242e+03	1.0924e-11	5.6520e+04	2.4904e-11	5.4889e+04
521	503	4.1281e-13	2.0043e+01	-7.0279e-15	7.5324e+03	6.6784e-13	1.8419e+03
	504	-4.1281e-13	-2.0043e+01	7.0279e-15	-7.5324e+03	1.1101e-12	6.2360e+03
522	502	2.4448e-11	-5.0289e+03	2.0046e-11	-2.1200e+05	-1.2498e-10	2.1643e+05
	503	-2.4448e-11	5.0289e+03	-2.0046e-11	2.1200e+05	-1.9822e-10	-2.9786e+05
523	501	-2.8142e-12	-2.8027e+03	1.9059e-14	3.5086e+03	-1.5192e-12	-2.8167e+05
	502	2.8142e-12	2.8027e+03	-1.9059e-14	-3.5086e+03	-1.4643e-12	-1.8641e+05
524	500	-1.0381e-12	-2.4363e+02	7.5391e-15	5.3557e+03	-1.1105e-12	-5.2685e+04
	501	1.0381e-12	2.4363e+02	-7.5391e-15	-5.3557e+03	-5.2708e-13	-1.4506e+04
525	492	-9.3566e-12	2.3525e+04	-6.0698e-12	6.8969e+04	1.5642e-10	4.5160e+05
	500	9.3566e-12	-2.3525e+04	6.0698e-12	-6.8969e+04	-7.2297e-11	1.4084e+05
526	493	4.3732e-13	7.1807e+00	-1.1553e-14	5.1612e+03	3.4533e-13	8.9931e+03
	492	-4.3732e-13	-7.1807e+00	1.1553e-14	-5.1612e+03	3.1209e-13	-8.2486e+03
527	489	-3.4467e-13	-1.5887e+02	-1.9995e-14	-1.4183e+04	4.3233e-12	-4.4149e+04
	161	3.4467e-13	1.5887e+02	1.9995e-14	1.4183e+04	7.6060e-13	-3.4421e+04
528	167	5.4570e-12	-5.8731e+00	2.0338e-12	8.6129e+03	-1.8889e-12	2.1257e+03
	166	-5.4570e-12	5.8731e+00	-2.0338e-12	-8.6129e+03	-1.1643e-10	-2.1922e+03
529	129	-1.3027e-10	5.8796e+00	5.3337e-15	-7.4804e+03	-2.6037e-10	-1.2513e+03
	128	1.3027e-10	-5.8796e+00	-5.3337e-15	7.4804e+03	2.6036e-10	1.4108e+03
530	77	5.8208e-11	2.4579e+01	3.7500e-12	-1.5115e+04	-4.6929e-10	5.0552e+03
	76	-5.8208e-11	-2.4579e+01	-3.7500e-12	1.5115e+04	-3.6815e-10	6.1512e+02
531	82	1.3021e-10	1.7648e+01	2.7286e-12	1.0547e+04	-1.3021e-10	5.2724e+03
	83	-1.3021e-10	-1.7648e+01	-2.7286e-12	-1.0547e+04	-1.6465e-10	-1.8225e+03
532	114	8.3952e-10	1.8275e+04	2.3286e-10	-2.7681e+04	-5.5880e-09	1.8112e+05
	107	-8.3952e-10	-1.8275e+04	-2.3286e-10	2.7681e+04	1.8628e-09	8.2465e+04
533	101	2.8037e-09	-1.8228e+04	2.3284e-10	3.1608e+04	-3.7547e-09	-1.7205e+05

	108	-2.8037e-09	1.8228e+04	-2.3284e-10	-3.1608e+04	2.0834e-09	-9.0182e+04
534	119	1.6276e-11	2.1532e+00	1.6078e-13	9.4895e+03	-8.8517e-11	3.8576e+02
	121	-1.6276e-11	-2.1532e+00	-1.6078e-13	-9.4895e+03	3.2571e-11	4.3892e+02
535	176	6.9865e-10	-5.9970e+03	-2.3287e-10	-3.1052e+05	1.8630e-09	3.0397e+05
	119	-6.9865e-10	5.9970e+03	2.3287e-10	3.1052e+05	3.7253e-09	-4.3117e+05
536	95	-1.7462e-10	-5.9970e+03	1.6426e-12	-8.4892e+03	-7.2761e-12	-5.6705e+05
	176	1.7462e-10	5.9970e+03	-1.6426e-12	8.4892e+03	-1.8750e-12	-4.3445e+05
537	96	8.7313e-11	-1.5261e+01	-1.0694e-13	1.0337e+04	1.6332e-11	-1.7918e+03
	95	-8.7313e-11	1.5261e+01	1.0694e-13	-1.0337e+04	2.9610e-12	-2.5668e+03
538	88	-3.2968e-10	-1.8420e+04	-4.1990e-10	7.9879e+04	2.0835e-09	-1.8660e+05
	96	3.2968e-10	1.8420e+04	4.1990e-10	-7.9879e+04	1.8637e-09	-2.1147e+05
539	89	-8.1547e-12	-2.0465e+00	2.5423e-13	9.8479e+03	1.1732e-10	-7.8413e+02
	88	8.1547e-12	2.0465e+00	-2.5423e-13	-9.8479e+03	-1.4840e-10	3.4215e+02
540	170	-1.1655e-10	-2.5945e+01	1.4240e-14	6.7948e+03	-2.3310e-10	-7.3843e+02
	169	1.1655e-10	2.5945e+01	-1.4240e-14	-6.7948e+03	2.3309e-10	-5.3983e+03
541	163	1.6464e-10	2.1952e+01	-7.3329e-12	-9.0865e+03	3.8116e-12	1.4103e+03
	162	-1.6464e-10	-2.1952e+01	7.3329e-12	9.0865e+03	4.7999e-10	3.7926e+03
542	79	-1.1649e-10	-4.9257e+01	-1.8226e-12	-1.8212e+04	2.6032e-10	-2.9433e+03
	78	1.1649e-10	4.9257e+01	1.8226e-12	1.8212e+04	4.1449e-12	-8.3489e+03
543	84	-1.1643e-10	4.8808e+01	-1.8195e-12	9.0070e+03	2.3295e-10	1.7519e+03
	85	1.1643e-10	-4.8808e+01	1.8195e-12	-9.0070e+03	3.6667e-12	9.5366e+03
544	116	1.8187e+02	-1.7014e+03	1.4860e+03	-4.1937e+04	-8.0808e+04	-3.8181e+04
	109	-1.8187e+02	1.7014e+03	-1.4860e+03	4.1937e+04	5.9960e+04	2.2416e+04
545	103	-1.8057e+02	-1.6765e+03	1.4819e+03	-3.6298e+04	-8.1575e+04	-3.6670e+04
	110	1.8057e+02	1.6765e+03	-1.4819e+03	3.6298e+04	6.0743e+04	1.5845e+04
546	122	-4.5497e-13	8.0185e-01	2.5584e-13	6.0489e+03	1.5673e-10	1.9999e+02
	123	4.5497e-13	-8.0185e-01	-2.5584e-13	-6.0489e+03	-2.4003e-10	2.0128e+02
547	175	9.6028e-10	-4.5069e+03	9.3864e-10	-2.2297e+05	-7.4506e-09	2.1941e+05
	122	-9.6028e-10	4.5069e+03	-9.3864e-10	2.2297e+05	-3.7262e-09	-3.1500e+05
548	97	5.8322e-11	-4.5069e+03	-1.8208e-12	-7.5611e+03	1.6517e-10	-4.3993e+05
	175	-5.8322e-11	4.5069e+03	1.8208e-12	7.5611e+03	5.5346e-12	-3.1273e+05
549	98	-5.8215e-11	7.5989e+01	-2.0476e-13	1.2511e+04	-1.4773e-11	7.7790e+03
	97	5.8215e-11	-7.5989e+01	2.0476e-13	-1.2511e+04	6.5642e-11	1.2759e+04
550	90	5.2167e-10	1.9778e+04	-9.3145e-10	5.9017e+04	4.6572e-09	2.9731e+05
	98	-5.2167e-10	-1.9778e+04	9.3145e-10	-5.9017e+04	2.6349e-09	1.3970e+05
551	92	1.6324e-11	8.0430e+00	-9.3755e-13	3.7706e+03	6.5238e-11	2.5731e+03
	90	-1.6324e-11	-8.0430e+00	9.3755e-13	-3.7706e+03	2.9235e-11	5.9230e+02
552	429	3.6430e-10	-3.1231e+03	-2.8443e-14	-5.2856e+04	4.0690e-12	-4.0935e+05
	442	-3.6430e-10	3.1231e+03	2.8443e-14	5.2856e+04	3.6420e-12	-5.7450e+05
553	435	1.7046e-10	-4.0084e+03	1.0172e-12	-3.8159e+03	-2.3284e-10	-5.9463e+05
	429	-1.7046e-10	4.0084e+03	-1.0172e-12	3.8159e+03	-1.1643e-10	-6.8011e+05
554	458	3.5656e-10	-3.9103e+03	1.4220e-14	-1.1731e+04	1.8201e-12	-5.8834e+05
	435	-3.5656e-10	3.9103e+03	-1.4220e-14	1.1731e+04	-1.3018e-10	-6.5536e+05
555	467	7.8619e-11	-1.8845e+03	-1.1457e-13	4.6518e+04	1.3017e-10	-3.0589e+05
	458	-7.8619e-11	1.8845e+03	1.1457e-13	-4.6518e+04	-1.4820e-11	-2.9352e+05
556	449	2.4381e-10	-3.3354e+03	4.1089e-13	-1.6122e+04	-3.9186e-11	-5.7175e+05
	467	-2.4381e-10	3.3354e+03	-4.1089e-13	1.6122e+04	-5.8243e-11	-5.1292e+05
557	447	-3.2246e-11	-4.0902e+03	7.1098e-15	-1.6434e+04	-1.6464e-10	-6.4833e+05
	449	3.2246e-11	4.0902e+03	-7.1098e-15	1.6434e+04	1.1644e-10	-6.5443e+05
558	445	7.4325e-11	-3.8631e+03	1.0170e-12	3.2750e+04	-1.6473e-10	-6.4043e+05

	447	-7.4325e-11	3.8631e+03	-1.0170e-12	-3.2750e+04	-6.3022e-12	-5.6878e+05
559	456	4.8312e-11	-2.7452e+03	2.0343e-12	-3.8342e+04	5.8229e-10	-4.5511e+05
	445	-4.8312e-11	2.7452e+03	-2.0343e-12	3.8342e+04	-6.5876e-10	-3.9919e+05
560	452	-2.9333e-11	1.5254e+03	-9.1038e-13	4.4656e+03	3.6473e-12	2.3044e+05
	453	2.9333e-11	-1.5254e+03	9.1038e-13	-4.4656e+03	2.3294e-10	2.5539e+05
561	90	3.5407e-10	6.3024e+03	9.0952e-12	-1.7764e+04	-9.6046e-10	5.7973e+05
	452	-3.5407e-10	-6.3024e+03	-9.0952e-12	1.7764e+04	-2.6077e-10	4.8958e+05
562	424	9.0961e-13	-1.2045e+03	-3.6399e-12	3.1117e+04	6.5879e-10	-1.8307e+05
	169	-9.0961e-13	1.2045e+03	3.6399e-12	-3.1117e+04	6.5895e-10	-2.0282e+05
563	461	-1.1651e-10	-1.2628e+03	1.8210e-12	1.0670e+04	5.2063e-10	-1.9756e+05
	424	1.1651e-10	1.2628e+03	-1.8210e-12	-1.0670e+04	-9.6010e-10	-2.0403e+05
572	420	-5.8237e-11	-1.6237e+03	1.8270e-12	3.1191e+04	-1.4555e-11	-2.4242e+05
	162	5.8237e-11	1.6237e+03	-1.8270e-12	-3.1191e+04	-4.6572e-10	-2.7775e+05
573	436	9.2097e-13	-1.9665e+03	-1.9896e-13	1.3007e+04	2.3294e-10	-3.0990e+05
	420	-9.2097e-13	1.9665e+03	1.9896e-13	-1.3007e+04	-1.6272e-11	-3.1543e+05
574	431	1.7468e-10	-1.9621e+03	-2.0347e-12	1.0626e+04	5.2104e-10	-3.0958e+05
	436	-1.7468e-10	1.9621e+03	2.0347e-12	-1.0626e+04	5.2107e-10	-3.1435e+05
575	440	-3.4929e-10	-1.9653e+03	1.0169e-12	8.3727e+03	-9.0973e-12	-3.1444e+05
	431	3.4929e-10	1.9653e+03	-1.0169e-12	-8.3727e+03	-8.2565e-11	-3.1052e+05
576	422	-1.1645e-10	-1.9451e+03	-2.2749e-13	1.1039e+04	1.3018e-10	-3.2127e+05
	440	1.1645e-10	1.9451e+03	2.2749e-13	-1.1039e+04	-2.5795e-12	-3.1088e+05
577	416	-1.1654e-10	-1.0385e+03	6.3571e-14	-1.0939e+04	-1.1653e-10	-1.1141e+05
	422	1.1654e-10	1.0385e+03	-6.3571e-14	1.0939e+04	1.0294e-11	-2.1935e+05
578	426	1.8507e-12	-2.9761e+02	3.6381e-12	-8.1668e+03	-9.6007e-10	-4.9549e+04
	416	-1.8507e-12	2.9761e+02	-3.6381e-12	8.1668e+03	-6.5899e-10	-4.3642e+04
579	78	5.8215e-11	-7.1729e+02	-8.1362e-12	6.4459e+04	4.6590e-10	-1.8433e+05
	426	-5.8215e-11	7.1729e+02	8.1362e-12	-6.4459e+04	6.5895e-10	-3.9354e+04
588	174	-1.8203e-12	-2.8126e+02	4.6923e-13	2.7422e+04	-3.2540e-10	-7.0938e+04
	445	1.8203e-12	2.8126e+02	-4.6923e-13	-2.7422e+04	1.3021e-10	-7.5038e+04
589	432	-5.1455e-12	-2.5765e+02	-1.5003e-11	-7.6612e+04	1.0419e-09	-6.3075e+04
	174	-5.1455e-12	2.5765e+02	1.5003e-11	7.6612e+04	1.3178e-09	1.3359e+04
590	439	-6.3668e-12	2.1565e+03	-1.0924e-11	6.1288e+04	4.6663e-10	9.6027e+04
	122	6.3668e-12	-2.1565e+03	1.0924e-11	-6.1288e+04	8.3949e-10	2.8923e+05
591	115	-2.9261e-10	-7.9910e+03	-4.5842e-13	2.0586e+04	-5.2176e-10	-5.5410e+05
	123	2.9261e-10	7.9910e+03	4.5842e-13	-2.0586e+04	6.6007e-10	-6.2765e+05
592	104	-3.5049e-10	3.4363e+03	2.0349e-12	2.4390e+04	-2.3301e-10	2.8407e+05
	115	3.5049e-10	-3.4363e+03	-2.0349e-12	-2.4390e+04	-5.9946e-11	3.1063e+05
593	92	4.0857e-10	-6.5291e+03	-1.8252e-12	2.1665e+04	-3.8328e-10	-5.2054e+05
	104	-4.0857e-10	6.5291e+03	1.8252e-12	-2.1665e+04	7.3890e-10	-4.4505e+05
594	104	2.9400e-11	1.7232e+03	-1.6396e-11	-5.8632e+04	1.8773e-09	1.5713e+05
	467	-2.9400e-11	-1.7232e+03	1.6396e-11	5.8632e+04	2.3286e-10	1.3336e+05
595	123	1.8212e-12	-1.9979e+03	1.6638e-11	-9.3662e+04	-7.5824e-10	-1.6553e+05
	458	-1.8212e-12	1.9979e+03	-1.6638e-11	9.3662e+04	-1.4020e-09	-1.3852e+05
596	424	5.8209e-11	1.9089e+02	-9.1669e-13	-1.0706e+04	5.4570e-12	5.4198e+04
	429	-5.8209e-11	-1.9089e+02	9.1669e-13	1.0706e+04	7.5053e-12	4.4902e+04
598	461	-1.1567e-13	1.0379e+02	-9.0975e-13	-1.3579e+04	1.4563e-10	2.8085e+04
	435	1.1567e-13	-1.0379e+02	9.0975e-13	1.3579e+04	1.1644e-10	2.5802e+04
599	459	5.8244e-12	-2.9323e+02	-2.2140e-11	4.0155e+04	9.3178e-10	-2.9267e+04
	461	-5.8244e-12	2.9323e+02	2.2140e-11	-4.0155e+04	1.0414e-09	-2.7545e+04
600	452	-4.1182e-11	1.0229e+02	6.4436e-13	-7.3814e+03	1.8430e-10	2.9060e+04

	449	4.1182e-11	-1.0229e+02	-6.4436e-13	7.3814e+03	-4.8000e-10	2.4295e+04
601	423	2.9108e-11	-1.6054e+03	-1.6311e-11	1.0514e+04	4.6974e-10	-1.4637e+05
	452	-2.9108e-11	1.6054e+03	1.6311e-11	-1.0514e+04	9.3144e-10	-1.6437e+05
602	456	5.8236e-11	-2.6998e+03	6.8451e-13	6.6398e+04	-1.1643e-10	-5.6432e+05
	78	-5.8236e-11	2.6998e+03	-6.8451e-13	-6.6398e+04	-1.7462e-10	-9.1253e+05
603	85	1.3018e-10	-3.5186e+03	-1.1460e-13	-2.9896e+04	-1.1849e-10	-1.0599e+06
	456	-1.3018e-10	3.5186e+03	1.1460e-13	2.9896e+04	2.6833e-10	-6.7832e+05
604	442	1.6466e-10	1.2984e+03	2.9004e-13	4.9962e+04	-1.7462e-10	1.7733e+05
	162	-1.6466e-10	-1.2984e+03	-2.9004e-13	-4.9962e+04	1.6008e-10	5.2089e+05
605	169	2.0385e-12	1.8780e+03	-6.8467e-13	-1.7962e+04	1.6270e-10	6.5529e+05
	442	-2.0385e-12	-1.8780e+03	6.8467e-13	1.7962e+04	1.4625e-10	2.9175e+05
606	420	-8.1366e-12	6.5252e+02	-2.1833e-11	-6.9825e+04	1.8627e-09	5.4482e+04
	419	8.1366e-12	-6.5252e+02	2.1833e-11	6.9825e+04	1.8627e-09	7.1842e+04
607	429	1.8199e-12	1.6525e+02	5.0850e-13	2.6901e+04	-1.7712e-10	4.1627e+04
	420	-1.8199e-12	-1.6525e+02	-5.0850e-13	-2.6901e+04	-8.8862e-11	4.9593e+04
608	436	-1.6470e-10	4.3146e+02	-1.4568e-11	-5.9759e+04	4.6619e-10	3.8712e+04
	443	1.6470e-10	-4.3146e+02	1.4568e-11	5.9759e+04	1.3173e-09	4.4776e+04
609	435	6.5112e-11	1.0220e+02	-9.1665e-13	3.0516e+04	2.3284e-10	2.8445e+04
	436	-6.5112e-11	-1.0220e+02	9.1665e-13	-3.0516e+04	8.8816e-11	2.7987e+04
610	431	4.5491e-12	1.1799e+02	-7.2771e-12	-8.2861e+04	9.3136e-10	7.2668e+03
	417	-4.5491e-12	-1.1799e+02	7.2771e-12	8.2861e+04	4.6572e-10	1.5665e+04
611	458	-4.1165e-11	1.4394e+02	4.6267e-13	5.4142e+04	-4.1202e-11	6.2390e+04
	431	4.1165e-11	-1.4394e+02	-4.6267e-13	-5.4142e+04	-2.6242e-11	1.9008e+04
612	440	1.4833e-12	2.1232e+02	-7.2795e-12	-6.3870e+04	-1.0430e-09	1.8063e+04
	438	-1.4833e-12	-2.1232e+02	7.2795e-12	6.3870e+04	1.9220e-09	2.3114e+04
613	467	8.2271e-12	-9.3583e+01	3.2176e-13	3.4482e+04	1.2743e-11	-2.9528e+04
	440	-8.2271e-12	9.3583e+01	-3.2176e-13	-3.4482e+04	-2.6250e-10	-2.2841e+04
614	422	8.2370e-11	3.2414e+02	4.7464e-13	-3.0451e+04	-9.3144e-10	2.7215e+04
	448	-8.2370e-11	-3.2414e+02	-4.7464e-13	3.0451e+04	9.3133e-10	3.7301e+04
615	449	3.2582e-11	-1.6579e+02	-1.1912e-13	3.3990e+04	-5.8272e-11	-4.5447e+04
	422	-3.2582e-11	1.6579e+02	1.1912e-13	-3.3990e+04	3.0387e-10	-4.6080e+04
616	426	-3.4936e-10	-5.8668e+02	3.0000e-11	7.6055e+04	-5.8224e-11	-1.6883e+04
	433	3.4936e-10	5.8668e+02	-3.0000e-11	-7.6055e+04	-1.8627e-09	-1.0296e+05
617	445	-2.9120e-12	-2.0139e+02	-2.2749e-13	-1.5214e+04	1.0497e-10	-6.0550e+04
	426	2.9120e-12	2.0139e+02	2.2749e-13	1.5214e+04	9.7759e-11	-5.0708e+04
618	416	-1.6500e-10	2.7268e+02	-8.1352e-12	1.3538e+05	4.6617e-10	1.5380e+05
	434	1.6500e-10	-2.7268e+02	8.1352e-12	-1.3538e+05	2.3294e-10	-1.4410e+05
619	447	6.5097e-11	-6.1791e+02	-2.8584e-13	-2.0011e+04	2.9119e-11	-1.7068e+05
	416	-6.5097e-11	6.1791e+02	2.8584e-13	2.0011e+04	4.6115e-11	-1.7045e+05
620	453	-6.5092e-11	-5.9697e+02	4.5476e-13	-2.4545e+04	-7.3136e-11	-1.7744e+05
	447	6.5092e-11	5.9697e+02	-4.5476e-13	2.4545e+04	-3.2571e-11	-1.3241e+05
621	468	-2.6044e-10	-1.0989e+03	-7.2780e-12	3.5668e+04	4.6583e-10	-1.6647e+05
	453	2.6044e-10	1.0989e+03	7.2780e-12	-3.5668e+04	5.2089e-10	-5.5455e+04
622	364	-2.2220e-11	-6.3317e+03	1.4323e-14	-5.2025e+04	-4.0675e-12	-9.1517e+05
	363	2.2220e-11	6.3317e+03	-1.4323e-14	5.2025e+04	-2.8422e-14	-1.0793e+06
623	382	1.5644e-10	-7.5035e+03	1.0168e-12	1.6766e+04	-5.8237e-11	-1.1703e+06
	364	-1.5644e-10	7.5035e+03	-1.0168e-12	-1.6766e+04	-1.8340e-12	-1.2158e+06
624	339	-4.7435e-11	-7.0095e+03	1.0173e-12	-1.9569e+04	-8.2320e-11	-1.0400e+06
	382	4.7435e-11	7.0095e+03	-1.0173e-12	1.9569e+04	-6.5085e-11	-1.1891e+06
625	334	-4.6639e-11	-4.1915e+03	2.5528e-13	4.0415e+04	-2.9232e-11	-6.6986e+05

	339	4.6639e-11	4.1915e+03	-2.5528e-13	-4.0415e+04	-4.8928e-11	-6.6304e+05
626	378	1.6771e-11	-6.2128e+03	-3.2173e-13	-1.9729e+04	2.2169e-11	-1.0822e+06
	334	-1.6771e-11	6.2128e+03	3.2173e-13	1.9729e+04	2.9116e-11	-9.3718e+05
627	384	4.5001e-11	-7.7487e+03	2.2740e-13	-9.4822e+03	-8.2323e-11	-1.2227e+06
	378	-4.5001e-11	7.7487e+03	-2.2740e-13	9.4822e+03	5.8217e-11	-1.2452e+06
628	362	6.5588e-11	-7.3054e+03	1.6284e-14	5.3651e+04	2.4011e-10	-1.1693e+06
	384	-6.5588e-11	7.3054e+03	-1.6284e-14	-5.3651e+04	-2.9119e-10	-1.1173e+06
629	347	2.0482e-11	-5.6546e+03	-9.0995e-13	-2.2137e+04	7.3636e-10	-8.8114e+05
	362	-2.0482e-11	5.6546e+03	9.0995e-13	2.2137e+04	-2.6042e-10	-8.7838e+05
630	338	-2.2737e-13	2.3117e+03	-9.1052e-13	2.2182e+03	-4.8001e-10	3.5963e+05
	350	2.2737e-13	-2.3117e+03	9.1052e-13	-2.2182e+03	4.8002e-10	3.7664e+05
631	88	-2.3283e-10	8.9731e+03	-3.6398e-12	-1.2794e+04	-2.3332e-10	7.8351e+05
	338	2.3283e-10	-8.9731e+03	3.6398e-12	1.2794e+04	9.3868e-10	7.3890e+05
632	356	-5.8208e-11	-1.8662e+03	1.8199e-12	2.8852e+04	9.3133e-10	-2.9204e+05
	166	5.8208e-11	1.8662e+03	-1.8199e-12	-2.8852e+04	-9.5999e-10	-3.0580e+05
633	348	-6.5088e-11	-1.9815e+03	5.7293e-14	1.4959e+04	-9.5999e-10	-3.1369e+05
	356	6.5088e-11	1.9815e+03	-5.7293e-14	-1.4959e+04	2.1904e-11	-3.1644e+05
634	119	4.5480e-13	-2.2762e+03	4.2642e-14	1.4053e+04	-3.6385e-12	-3.7482e+05
	348	-4.5480e-13	2.2762e+03	-4.2642e-14	-1.4053e+04	-7.2760e-12	-3.6575e+05
643	381	-9.7134e-13	-2.5356e+03	4.0679e-12	3.0961e+04	-7.2839e-12	-3.9143e+05
	128	9.7134e-13	2.5356e+03	-4.0679e-12	-3.0961e+04	-1.4555e-11	-4.2085e+05
644	376	-1.7703e-10	-3.0107e+03	2.8425e-14	1.5148e+04	-7.2868e-12	-4.7693e+05
	381	1.7703e-10	3.0107e+03	-2.8425e-14	-1.5148e+04	-3.6384e-12	-4.8046e+05
645	373	1.1642e-10	-3.0622e+03	8.8818e-16	1.3658e+04	-3.6384e-12	-4.8654e+05
	376	-1.1642e-10	3.0622e+03	-8.8818e-16	-1.3658e+04	1.8190e-12	-4.8724e+05
646	361	-5.8216e-11	-3.0670e+03	6.4351e-13	1.2226e+04	-3.6681e-12	-4.8775e+05
	373	5.8216e-11	3.0670e+03	-6.4351e-13	-1.2226e+04	-6.5093e-11	-4.8756e+05
647	375	6.5093e-11	-2.9442e+03	-9.0961e-13	1.3936e+04	1.3021e-10	-4.8217e+05
	361	-6.5093e-11	2.9442e+03	9.0961e-13	-1.3936e+04	1.3027e-10	-4.7470e+05
648	369	-1.1642e-10	-1.5819e+03	-5.7510e-14	-1.7581e+04	-1.1648e-10	-1.7616e+05
	375	1.1642e-10	1.5819e+03	5.7510e-14	1.7581e+04	2.3289e-10	-3.2768e+05
649	388	1.1642e-10	-6.0598e+02	4.0675e-12	-6.2596e+03	-7.3628e-10	-9.9617e+04
	369	-1.1642e-10	6.0598e+02	-4.0675e-12	6.2596e+03	-4.6566e-10	-9.0065e+04
650	76	2.9113e-11	-1.2594e+03	-3.6389e-12	8.1448e+04	7.5002e-12	-2.8775e+05
	388	-2.9113e-11	1.2594e+03	3.6389e-12	-8.1448e+04	2.3294e-10	-1.0451e+05
659	173	-2.9104e-11	-3.8979e+02	9.1659e-13	4.4023e+04	-4.3656e-10	-8.8409e+04
	362	2.9104e-11	3.8979e+02	-9.1659e-13	-4.4023e+04	-1.7463e-10	-1.1390e+05
660	353	2.4001e-10	-4.1414e+02	8.1349e-12	-1.1903e+05	-4.6568e-10	-9.1231e+04
	173	-2.4001e-10	4.1414e+02	-8.1349e-12	1.1903e+05	-4.6574e-10	1.1283e+04
661	355	2.9232e-11	3.0619e+03	-7.2760e-12	9.5871e+04	2.3286e-10	1.6930e+05
	119	-2.9232e-11	-3.0619e+03	7.2760e-12	-9.5871e+04	5.2069e-10	3.7767e+05
662	113	-3.7947e-10	-1.0428e+04	2.8435e-13	2.4269e+04	1.1647e-10	-7.1108e+05
	121	3.7947e-10	1.0428e+04	-2.8435e-13	-2.4269e+04	-1.1664e-10	-8.3089e+05
663	102	-6.5084e-11	2.1450e+03	-4.5504e-13	1.8936e+04	-5.8245e-11	1.7562e+05
	113	6.5084e-11	-2.1450e+03	4.5504e-13	-1.8936e+04	9.6409e-11	1.9557e+05
664	89	-8.7327e-11	-8.6810e+03	2.4610e-12	2.3480e+04	-1.3027e-10	-6.9587e+05
	102	8.7327e-11	8.6810e+03	-2.4610e-12	-2.3480e+04	-2.4007e-10	-5.8781e+05
665	102	1.0374e-11	1.8234e+03	-5.7526e-12	-4.9513e+04	2.1001e-10	1.6059e+05
	334	-1.0374e-11	-1.8234e+03	5.7526e-12	4.9513e+04	6.7886e-10	1.4635e+05
666	121	-2.7685e-12	-1.9147e+03	2.3647e-11	-1.2167e+05	-5.8323e-11	-1.5664e+05

	339	2.7685e-12	1.9147e+03	-2.3647e-11	1.2167e+05	-4.8001e-10	-1.3471e+05
667	356	-9.0994e-13	3.2428e+02	5.0848e-13	-1.6174e+04	-2.3283e-10	8.6515e+04
	364	9.0994e-13	-3.2428e+02	-5.0848e-13	1.6174e+04	-1.1643e-10	8.1795e+04
668	367	-1.1642e-10	-9.4728e+02	1.4552e-11	4.5825e+04	-1.8627e-09	-9.5599e+04
	356	1.1642e-10	9.4728e+02	-1.4552e-11	-4.5825e+04	-1.9201e-09	-8.7704e+04
669	348	-4.1163e-11	1.5308e+02	-2.5425e-13	-1.6143e+04	6.0028e-11	4.0016e+04
	382	4.1163e-11	-1.5308e+02	2.5425e-13	1.6143e+04	1.3018e-10	3.9445e+04
670	349	3.6399e-12	-5.7403e+02	1.4246e-14	5.3292e+04	-5.4570e-12	-5.6131e+04
	348	-3.6399e-12	5.7403e+02	-1.4246e-14	-5.3292e+04	9.0994e-13	-5.4972e+04
671	338	4.1170e-11	1.7920e+02	1.8332e-12	-1.5302e+04	-6.4293e-10	4.6237e+04
	378	-4.1170e-11	-1.7920e+02	-1.8332e-12	1.5302e+04	-2.4000e-10	4.7052e+04
672	368	-5.8217e-11	-2.4917e+03	-4.4259e-11	4.1449e+04	1.9200e-09	-2.3329e+05
	338	5.8217e-11	2.4917e+03	4.4259e-11	-4.1449e+04	9.3162e-10	-2.4896e+05
673	347	1.3017e-10	-3.8640e+03	-2.2737e-13	8.6943e+04	5.8209e-11	-9.3395e+05
	76	-1.3017e-10	3.8640e+03	2.2737e-13	-8.6943e+04	2.9333e-11	-1.1797e+06
674	83	-1.8192e-12	-4.9332e+03	2.0500e-13	-3.7947e+04	-7.5965e-11	-1.3517e+06
	347	1.8192e-12	4.9332e+03	-2.0500e-13	3.7947e+04	-6.5084e-11	-1.0853e+06
675	363	-1.8750e-12	1.8751e+03	-1.7054e-13	6.3499e+04	7.3123e-11	3.5167e+05
	128	1.8750e-12	-1.8751e+03	1.7054e-13	-6.3499e+04	1.6274e-11	6.5552e+05
676	166	-1.1457e-13	2.5603e+03	-6.2528e-13	-2.1386e+04	1.3277e-10	8.0708e+05
	363	1.1457e-13	-2.5603e+03	6.2528e-13	2.1386e+04	8.8521e-11	4.8350e+05
677	381	-1.8750e-12	1.1222e+03	-7.2762e-12	-7.4532e+04	3.1239e-09	1.0067e+05
	380	1.8750e-12	-1.1222e+03	7.2762e-12	7.4532e+04	-1.9896e-09	1.1649e+05
678	364	1.4211e-14	2.7579e+02	4.5475e-13	4.2192e+04	3.5407e-10	7.5079e+04
	381	-1.4211e-14	-2.7579e+02	-4.5475e-13	-4.2192e+04	-4.4042e-10	7.7159e+04
679	376	1.8192e-12	7.3936e+02	-2.1828e-11	-6.6922e+04	2.7940e-09	6.8662e+04
	370	-1.8192e-12	-7.3936e+02	2.1828e-11	6.6922e+04	3.2596e-09	7.4405e+04
680	382	5.1204e-13	1.8608e+02	-1.1594e-12	5.3462e+04	-5.8238e-11	5.2484e+04
	376	-5.1204e-13	-1.8608e+02	1.1594e-12	-5.3462e+04	9.3542e-10	5.0237e+04
681	373	-1.8193e-12	1.6417e+02	8.1374e-12	-6.6990e+04	1.8627e-09	1.4068e+04
	383	1.8193e-12	-1.6417e+02	-8.1374e-12	6.6990e+04	-2.3283e-09	1.7713e+04
682	339	6.2045e-14	1.5250e+02	-1.1370e-13	8.0322e+04	2.0584e-11	5.7035e+04
	373	-6.2045e-14	-1.5250e+02	1.1370e-13	-8.0322e+04	3.7983e-11	2.9116e+04
683	361	3.3965e-12	-3.6898e+02	-1.5000e-11	-6.9270e+04	-3.2928e-09	-3.3693e+04
	371	-3.3965e-12	3.6898e+02	1.5000e-11	6.9270e+04	3.7543e-09	-3.7709e+04
684	334	-8.2028e-12	-1.3230e+02	-1.1377e-13	6.7541e+04	-1.1661e-10	-3.8847e+04
	361	8.2028e-12	1.3230e+02	1.1377e-13	-6.7541e+04	1.3023e-10	-3.4609e+04
685	375	2.9330e-11	5.8685e+02	8.1359e-12	-2.7707e+04	1.0413e-09	5.0328e+04
	354	-2.9330e-11	-5.8685e+02	-8.1359e-12	2.7707e+04	-2.3399e-09	6.3902e+04
686	378	1.4587e-11	-2.7563e+02	-3.4125e-12	5.6907e+04	2.4006e-10	-7.6370e+04
	375	-1.4587e-11	2.7563e+02	3.4125e-12	-5.6907e+04	2.9215e-11	-7.5776e+04
687	388	1.1642e-10	-9.3973e+02	-5.8208e-11	1.7756e+05	1.3175e-09	-2.3563e+04
	386	-1.1642e-10	9.3973e+02	5.8208e-11	-1.7756e+05	9.3145e-10	-1.7198e+05
688	362	-6.5142e-11	-3.4563e+02	9.1662e-13	-3.0484e+04	-5.9362e-10	-1.1673e+05
	388	6.5142e-11	3.4563e+02	-9.1662e-13	3.0484e+04	4.2379e-10	-7.4409e+04
689	369	-1.1647e-10	4.0180e+02	1.4648e-14	2.3092e+05	-1.1700e-09	-2.1045e+05
	385	1.1647e-10	-4.0180e+02	-1.4648e-14	-2.3092e+05	7.0815e-10	2.2445e+05
690	384	5.8224e-11	-9.2222e+02	6.3561e-14	-3.6261e+04	-4.1168e-11	-2.8182e+05
	369	-5.8224e-11	9.2222e+02	-6.3561e-14	3.6261e+04	3.3550e-11	-2.2747e+05
691	350	-1.0185e-12	-9.6792e+02	-8.5285e-14	-2.9570e+04	3.0004e-11	-2.5407e+05

	384	1.0185e-12	9.6792e+02	8.5285e-14	2.9570e+04	1.4568e-11	-2.4836e+05
692	352	1.8191e-12	-2.7167e+03	-7.2762e-12	5.0580e+04	2.6043e-10	-3.3103e+05
	350	-1.8191e-12	2.7167e+03	7.2762e-12	-5.0580e+04	4.6579e-10	-1.9790e+05
693	172	9.7014e-13	-1.4331e+02	5.3875e-14	5.1175e+04	-4.3515e-12	-3.3237e+04
	141	-9.7014e-13	1.4331e+02	-5.3875e-14	-5.1175e+04	-5.6077e-12	-4.1209e+04
694	130	-1.4746e-12	5.4137e+02	3.7077e-13	-7.0450e+04	-1.1683e-10	3.4567e+04
	172	1.4746e-12	-5.4137e+02	-3.7077e-13	7.0450e+04	7.2885e-11	7.0721e+04
695	171	-1.0507e+03	-1.5379e+02	-3.8728e+02	4.4015e+02	6.8132e+04	-3.4701e+04
	172	1.0507e+03	1.5379e+02	3.8728e+02	-4.4015e+02	5.9672e+04	-1.6092e+04
696	134	-1.1978e-12	1.2248e+03	-8.5892e-14	5.6419e+04	1.6818e-10	9.0981e+04
	503	1.1978e-12	-1.2248e+03	8.5892e-14	-5.6419e+04	-1.6823e-11	1.2799e+05
697	496	-8.2023e-12	-6.4656e+03	-6.9148e-14	9.5668e+03	8.0441e-12	-4.4594e+05
	504	8.2023e-12	6.4656e+03	6.9148e-14	-9.5668e+03	5.1373e-12	-5.1018e+05
698	494	1.2283e-11	2.5005e+03	-6.2254e-14	1.5341e+04	4.9865e-12	2.0096e+05
	496	-1.2283e-11	-2.5005e+03	6.2254e-14	-1.5341e+04	3.5551e-12	2.3171e+05
699	493	-4.1109e-12	-4.8776e+03	6.2992e-14	1.5297e+04	-2.9551e-12	-3.8505e+05
	494	4.1109e-12	4.8776e+03	-6.2992e-14	-1.5297e+04	-3.0184e-12	-3.3627e+05
700	494	2.4927e-12	1.4803e+03	-2.5791e-13	-2.9360e+04	2.7351e-11	1.2651e+05
	144	-2.4927e-12	-1.4803e+03	2.5791e-13	2.9360e+04	8.2329e-12	1.2259e+05
701	504	8.1648e-13	-1.8268e+03	-5.0525e-13	-3.7813e+04	3.4862e-11	-1.4269e+05
	145	-8.1648e-13	1.8268e+03	5.0525e-13	3.7813e+04	4.1794e-12	-1.3532e+05
702	137	6.8703e-13	1.1558e+02	-1.4311e-14	1.8644e+04	-3.5506e-11	3.4825e+04
	147	-6.8703e-13	-1.1558e+02	1.4311e-14	-1.8644e+04	4.6532e-11	2.5381e+04
703	136	1.3043e-12	-7.1493e+02	-9.8277e-13	2.7020e+04	9.4884e-11	-5.6321e+04
	137	-1.3043e-12	7.1493e+02	9.8277e-13	-2.7020e+04	1.2702e-11	-8.2713e+04
704	138	5.2628e-13	-3.3728e+01	-5.7827e-14	1.9698e+04	-1.5616e-11	-1.1044e+04
	146	-5.2628e-13	3.3728e+01	5.7827e-14	-1.9698e+04	5.0075e-11	-7.4139e+03
705	135	-9.4968e-13	-4.4202e+02	3.6210e-13	2.3936e+04	-3.9623e-11	-3.8084e+04
	138	9.4968e-13	4.4202e+02	-3.6210e-13	-2.3936e+04	-5.1854e-11	-4.7706e+04
706	140	-9.8454e-13	1.0256e+02	6.4755e-14	3.6071e+04	-5.9268e-12	2.9263e+04
	143	9.8454e-13	-1.0256e+02	-6.4755e-14	-3.6071e+04	-6.4408e-12	2.3974e+04
707	132	1.3867e-12	-1.4193e+03	-6.3761e-13	-5.4657e+03	7.3284e-11	-1.2092e+05
	140	-1.3867e-12	1.4193e+03	6.3761e-13	5.4657e+03	3.7933e-11	-1.5374e+05
708	161	-4.6982e-13	-1.6994e+02	2.8746e-15	-6.5607e+03	-2.0243e-12	-4.0700e+04
	482	4.6982e-13	1.6994e+02	-2.8746e-15	6.5607e+03	1.5075e-12	-5.2290e+04
709	579	-2.0730e-12	-1.3058e+03	-2.1723e-12	1.4729e+04	3.2200e-11	-2.7814e+04
	161	2.0730e-12	1.3058e+03	2.1723e-12	-1.4729e+04	7.6597e-11	-7.3195e+04
710	25	9.5287e-13	-3.6334e+03	1.2535e-12	1.0590e+05	-8.0644e-11	-1.1350e+05
	479	-9.5287e-13	3.6334e+03	-1.2535e-12	-1.0590e+05	-8.0705e-11	-2.8128e+05
711	148	5.1045e-13	2.0483e+02	2.3424e-14	1.8987e+04	-1.4368e-12	4.9154e+04
	474	-5.1045e-13	-2.0483e+02	-2.3424e-14	-1.8987e+04	-3.0965e-12	6.0849e+04
712	478	-1.1657e-12	2.1273e+02	-1.6066e-14	-7.4083e+03	6.6431e-13	6.0334e+04
	148	1.1657e-12	-2.1273e+02	1.6066e-14	7.4083e+03	2.3260e-12	4.6933e+04
713	156	-2.8887e-12	-2.7042e+02	-6.7839e-13	-3.2902e+04	1.8735e-10	-1.2171e+04
	160	2.8887e-12	2.7042e+02	6.7839e-13	3.2902e+04	-6.3863e-11	-4.1950e+04
714	147	-6.8360e-13	1.0377e+02	8.2009e-14	-6.2447e+03	-5.0305e-12	2.6708e+04
	156	6.8360e-13	-1.0377e+02	-8.2009e-14	6.2447e+03	-2.1310e-11	3.0585e+04
715	155	-1.9030e-12	-2.1088e+02	-5.8506e-13	-2.7695e+04	5.9052e-12	-9.7284e+03
	159	1.9030e-12	2.1088e+02	5.8506e-13	2.7695e+04	9.8741e-11	-3.3699e+04
716	146	5.6733e-13	-4.0571e+01	4.1695e-14	-6.0139e+03	-1.6614e-11	-1.0399e+04

	155	-5.6733e-13	4.0571e+01	-4.1695e-14	6.0139e+03	-8.0815e-12	-1.2036e+04
717	154	1.6823e-12	-1.9482e+02	-1.2812e-12	-2.6765e+04	8.6708e-12	-1.1749e+04
	158	-1.6823e-12	1.9482e+02	1.2812e-12	2.6765e+04	1.4966e-10	-2.7644e+04
718	145	7.6930e-13	-3.0395e+01	-1.2670e-14	1.1290e+04	-3.3876e-12	-7.2865e+03
	154	-7.6930e-13	3.0395e+01	1.2670e-14	-1.1290e+04	1.1973e-11	-1.1404e+04
719	153	-1.7748e-12	-1.5684e+02	-1.9568e-13	-2.7391e+04	-7.9619e-11	-1.3015e+04
	157	1.7748e-12	1.5684e+02	1.9568e-13	2.7391e+04	1.0255e-10	-1.7430e+04
720	144	4.6057e-13	-8.2798e+01	-5.9294e-14	1.6415e+04	9.0352e-12	-2.6572e+04
	153	-4.6057e-13	8.2798e+01	5.9294e-14	-1.6415e+04	8.8868e-12	-1.9937e+04
721	151	9.9843e-13	3.1196e+02	-2.9214e-13	1.6873e+04	1.5153e-11	2.6682e+04
	152	-9.9843e-13	-3.1196e+02	2.9214e-13	-1.6873e+04	2.9780e-11	3.3805e+04
722	143	7.0767e-13	1.1320e+02	6.0225e-14	-6.0820e+03	-2.4255e-12	3.0734e+04
	151	-7.0767e-13	-1.1320e+02	-6.0225e-14	6.0820e+03	-1.2857e-11	3.1838e+04
723	194	-2.2466e-12	-1.8258e+02	-2.6006e-13	1.1388e+05	-1.0636e-10	-6.8358e+03
	149	-2.2466e-12	1.8258e+02	2.6006e-13	-1.1388e+05	1.3847e-10	-2.9982e+04
724	141	5.6870e-13	-1.0915e+02	2.9158e-14	-3.7054e+04	1.1959e-11	-3.7748e+04
	194	-5.6870e-13	1.0915e+02	-2.9158e-14	3.7054e+04	-1.7207e-11	-2.2563e+04
725	195	-1.5166e-12	-3.3251e+02	2.8471e-13	1.3061e+05	-4.9409e-11	-1.9076e+04
	150	1.5166e-12	3.3251e+02	-2.8471e-13	-1.3061e+05	-1.6522e-11	-4.6113e+04
726	142	-6.6492e-13	-8.9897e+01	7.5831e-14	-4.3553e+04	-5.1741e-12	-3.3461e+04
	195	6.6492e-13	8.9897e+01	-7.5831e-14	4.3553e+04	-1.9230e-11	-1.6446e+04
727	139	-2.7168e-13	-1.7558e+02	8.2052e-14	1.3864e+04	-1.4686e-12	-4.6342e+04
	142	2.7168e-13	1.7558e+02	-8.2052e-14	-1.3864e+04	-6.6897e-12	-4.4790e+04
728	131	1.6491e-12	-1.3908e+02	-4.3345e-13	7.7606e+03	1.1668e-10	-1.4638e+04
	139	-1.6491e-12	1.3908e+02	4.3345e-13	-7.7606e+03	-8.7451e-11	-1.2544e+04
729	147	6.2137e-12	-8.9151e+02	-3.2665e-14	6.6320e+03	1.3077e-12	-1.4497e+05
	148	-6.2137e-12	8.9151e+02	3.2665e-14	-6.6320e+03	2.7499e-12	-1.3586e+05
730	146	2.7813e-12	-1.5711e+03	1.5513e-14	3.0292e+03	-3.5721e-12	-2.4973e+05
	147	-2.7813e-12	1.5711e+03	-1.5513e-14	-3.0292e+03	-2.9565e-12	-2.4988e+05
731	145	-5.7484e-12	-1.6578e+03	1.5198e-14	-5.3033e+03	-3.7095e-12	-2.5280e+05
	146	5.7484e-12	1.6578e+03	-1.5198e-14	5.3033e+03	-2.7839e-12	-2.7438e+05
732	144	-1.0656e-12	-7.7539e+02	9.5049e-15	1.8342e+04	-2.7481e-12	-1.1946e+05
	145	1.0656e-12	7.7539e+02	-9.5049e-15	-1.8342e+04	-2.6610e-12	-1.2711e+05
733	143	5.2806e-13	-1.2656e+03	-1.1594e-14	-5.4518e+03	1.9297e-12	-2.2108e+05
	144	-5.2806e-13	1.2656e+03	1.1594e-14	5.4518e+03	1.9686e-12	-1.9023e+05
734	142	-9.3192e-13	-1.8073e+03	1.9175e-14	5.5840e+03	-1.2655e-12	-2.8518e+05
	143	9.3192e-13	1.8073e+03	-1.9175e-14	-5.5840e+03	-2.1156e-12	-2.9044e+05
735	141	-5.7319e-13	-1.4886e+03	2.3706e-14	-1.8349e+03	-3.8656e-12	-2.3410e+05
	142	5.7319e-13	1.4886e+03	-2.3706e-14	1.8349e+03	-3.3438e-12	-2.3184e+05
736	161	-2.8470e-12	-4.0611e+02	-1.8748e-14	-2.7801e+03	2.7512e-12	-3.1666e+04
	141	2.8470e-12	4.0611e+02	1.8748e-14	2.7801e+03	1.8932e-12	-9.5004e+04
737	140	1.1672e-12	1.4216e+03	-1.3959e-14	7.7423e+03	2.3348e-12	2.1428e+05
	139	-1.1672e-12	-1.4216e+03	1.3959e-14	-7.7423e+03	1.0432e-12	2.3849e+05
738	492	8.2829e-12	7.4335e+03	3.4648e-14	8.3682e+03	1.6474e-11	6.8723e+05
	140	-8.2829e-12	-7.4335e+03	-3.4648e-14	-8.3682e+03	-1.7837e-11	5.7408e+05
739	137	2.9809e-13	-8.2526e+02	-1.7869e-14	1.6581e+04	1.8737e-12	-1.1655e+05
	478	-2.9809e-13	8.2526e+02	1.7869e-14	-1.6581e+04	1.5809e-12	-1.4786e+05
740	138	3.0080e-12	-1.1652e+03	2.3968e-14	5.6283e+03	-2.5814e-12	-1.8435e+05
	137	-3.0080e-12	1.1652e+03	-2.3968e-14	-5.6283e+03	-1.5962e-12	-1.8619e+05
741	503	-6.3760e-12	-1.6628e+03	1.3962e-14	6.5756e+03	-2.9422e-12	-2.7942e+05

	138	6.3760e-12	1.6628e+03	-1.3962e-14	-6.5756e+03	-2.3528e-12	-2.6158e+05
742	136	3.7097e-12	-6.2118e+02	-2.9350e-14	-1.3950e+04	1.6287e-12	-8.2138e+04
	479	-3.7097e-12	6.2118e+02	2.9350e-14	1.3950e+04	2.2582e-12	-1.1701e+05
743	135	2.2053e-12	-7.2993e+02	-5.4491e-15	9.9719e+03	4.1777e-12	-1.1606e+05
	136	-2.2053e-12	7.2993e+02	5.4491e-15	-9.9719e+03	-2.2755e-12	-1.1606e+05
744	134	5.4039e-13	-9.2799e+02	-1.8171e-14	1.8945e+04	1.9346e-12	-1.4813e+05
	135	-5.4039e-13	9.2799e+02	1.8171e-14	-1.8945e+04	2.8331e-12	-1.4698e+05
745	133	-7.2214e-13	-5.1165e+02	-1.5162e-14	-7.0698e+03	3.7335e-12	-7.9834e+04
	134	7.2214e-13	5.1165e+02	1.5162e-14	7.0698e+03	3.6955e-12	-8.2872e+04
746	132	-6.1584e-12	-4.8936e+02	9.5187e-15	-8.2030e+03	-9.6798e-13	-7.9038e+04
	133	6.1584e-12	4.8936e+02	-9.5187e-15	8.2030e+03	-1.4342e-12	-8.0005e+04
747	131	-2.5658e-12	-8.8040e+02	1.8156e-14	1.7661e+04	-1.6934e-13	-1.5335e+05
	132	2.5658e-12	8.8040e+02	-1.8156e-14	-1.7661e+04	-2.3029e-12	-1.3630e+05
748	130	1.6694e-13	-1.0458e+03	-1.0753e-14	6.9000e+03	1.5952e-12	-1.5645e+05
	131	-1.6694e-13	1.0458e+03	1.0753e-14	-6.9000e+03	2.0507e-12	-1.5991e+05
749	488	5.2576e-12	-6.1260e+02	-2.1442e-14	-7.0279e+03	3.9668e-12	-9.5302e+04
	130	-5.2576e-12	6.1260e+02	2.1442e-14	7.0279e+03	4.1848e-12	-9.5445e+04
750	156	-2.2070e-12	-1.2084e+03	-1.0623e-14	1.6977e+04	-2.7931e-12	-1.6682e+05
	474	2.2070e-12	1.2084e+03	1.0623e-14	-1.6977e+04	4.0845e-12	-2.2033e+05
751	155	-3.6774e-12	-1.4279e+03	-8.0059e-15	4.4727e+03	-3.0697e-12	-2.2705e+05
	156	3.6774e-12	1.4279e+03	8.0059e-15	-4.4727e+03	4.6626e-12	-2.2701e+05
752	154	1.3825e-12	-1.5416e+03	1.1174e-14	3.3761e+03	3.3499e-12	-2.4430e+05
	155	-1.3825e-12	1.5416e+03	-1.1174e-14	-3.3761e+03	-4.4865e-12	-2.4594e+05
753	153	-1.1962e-12	-1.5191e+03	2.0524e-14	4.6616e+03	-2.7844e-12	-2.4143e+05
	154	1.1962e-12	1.5191e+03	-2.0524e-14	-4.6616e+03	-2.0992e-12	-2.4163e+05
754	151	1.9568e-12	-1.4568e+03	-1.9584e-14	5.8940e+03	1.6472e-12	-2.3894e+05
	153	-1.9568e-12	1.4568e+03	1.9584e-14	-5.8940e+03	1.3745e-12	-2.3453e+05
755	195	6.1540e-13	-1.1135e+03	-8.1267e-15	-9.1235e+03	-3.2616e-12	-1.4729e+05
	151	-6.1540e-13	1.1135e+03	8.1267e-15	9.1235e+03	5.1807e-12	-2.0736e+05
756	194	9.9678e-13	-4.7685e+02	-1.5106e-14	3.4951e+03	1.8685e-12	-8.0545e+04
	195	-9.9678e-13	4.7685e+02	1.5106e-14	-3.4951e+03	1.1070e-12	-6.8724e+04
757	482	-1.2580e-12	4.9478e+02	1.6823e-14	2.5929e+04	-4.1835e-12	9.2991e+04
	194	1.2580e-12	-4.9478e+02	-1.6823e-14	-2.5929e+04	-2.0870e-12	6.1151e+04
758	160	-2.2476e-12	-1.2490e+03	-7.2292e-15	2.6317e+04	-3.4131e-12	-1.7048e+05
	475	2.2476e-12	1.2490e+03	7.2292e-15	-2.6317e+04	3.8858e-12	-2.2966e+05
759	159	3.1898e-12	-1.1021e+03	-5.1419e-15	2.8753e+03	-2.0448e-12	-1.7640e+05
	160	-3.1898e-12	1.1021e+03	5.1419e-15	-2.8753e+03	2.2823e-12	-1.7406e+05
760	158	-2.7254e-13	-1.2016e+03	-5.4990e-15	-1.5024e+03	-1.2327e-12	-1.9053e+05
	159	2.7254e-13	1.2016e+03	5.4990e-15	1.5024e+03	1.8427e-12	-1.9160e+05
761	157	-2.5164e-12	-1.1969e+03	6.4558e-15	-1.4967e+03	-2.4041e-12	-1.9008e+05
	158	2.5164e-12	1.1969e+03	-6.4558e-15	1.4967e+03	2.0592e-12	-1.9054e+05
762	152	2.8590e-12	-1.2561e+03	6.0875e-15	3.2675e+03	-1.9745e-12	-2.2163e+05
	157	-2.8590e-12	1.2561e+03	-6.0875e-15	-3.2675e+03	-1.1450e-12	-1.9978e+05
763	150	4.6741e-12	-1.5769e+03	1.2632e-14	-2.7861e+03	-1.3758e-12	-2.4041e+05
	152	-4.6741e-12	1.5769e+03	-1.2632e-14	2.7861e+03	-2.0547e-12	-2.4526e+05
764	149	-1.8311e-12	-1.5048e+03	1.0774e-14	2.2758e+03	-9.1271e-13	-2.3713e+05
	150	1.8311e-12	1.5048e+03	-1.0774e-14	-2.2758e+03	-5.1552e-13	-2.3387e+05
765	483	6.0534e-12	-8.4251e+02	-1.2492e-14	4.3779e+03	3.3200e-12	-1.1990e+05
	149	-6.0534e-12	8.4251e+02	1.2492e-14	-4.3779e+03	2.2631e-12	-1.4243e+05
806	352	-7.6605e+02	-3.1513e+03	9.0813e+02	-2.6184e+04	-1.4070e+05	-4.3500e+05

	468	7.6605e+02	3.1513e+03	-9.0813e+02	2.6184e+04	-1.4990e+05	-5.7375e+05
807	334	-4.4200e+02	-4.3607e+03	-3.6539e+02	-1.8232e+04	5.4479e+04	-6.7322e+05
	467	4.4200e+02	4.3607e+03	3.6539e+02	1.8232e+04	6.2452e+04	-7.2221e+05
808	348	3.0823e+02	-2.5478e+03	2.7340e+02	-2.6184e+04	-3.9514e+04	-3.2044e+05
	461	-3.0823e+02	2.5478e+03	-2.7340e+02	2.6184e+04	-4.8006e+04	-4.9537e+05
809	349	5.5637e+02	-2.4763e+03	2.0317e+02	-1.8232e+04	-2.9004e+04	-3.6302e+05
	459	-5.5637e+02	2.4763e+03	-2.0317e+02	1.8232e+04	-3.6023e+04	-4.2946e+05
810	339	1.6624e+02	-4.4331e+03	2.0707e+02	-1.8232e+04	-3.1701e+04	-6.8346e+05
	458	-1.6624e+02	4.4331e+03	-2.0707e+02	1.8232e+04	-3.4562e+04	-7.3513e+05
811	347	-1.9732e+03	-2.1859e+03	6.9769e+03	-2.6184e+04	-1.0187e+06	-3.3311e+05
	456	1.9732e+03	2.1859e+03	-6.9769e+03	2.6184e+04	-1.2140e+06	-3.6640e+05
812	350	-4.8448e+02	-2.2880e+03	1.3041e+03	-2.6184e+04	-2.0572e+05	-2.8193e+05
	453	4.8448e+02	2.2880e+03	-1.3041e+03	2.6184e+04	-2.1159e+05	-4.5078e+05
813	338	-3.2073e+03	-3.9021e+03	6.2723e+02	-2.6184e+04	-9.5268e+04	-5.2213e+05
	452	3.2073e+03	3.9021e+03	-6.2723e+02	2.6184e+04	-1.0546e+05	-7.2672e+05
814	378	6.3713e+02	-6.9469e+03	-5.0048e+02	-2.6184e+04	7.2523e+04	-1.0315e+06
	449	-6.3713e+02	6.9469e+03	5.0048e+02	2.6184e+04	8.7640e+04	-1.1916e+06
815	354	7.8566e+02	-5.9157e+03	-2.5211e+02	-2.6184e+04	3.5292e+04	-8.2336e+05
	448	-7.8566e+02	5.9157e+03	2.5211e+02	2.6184e+04	4.5555e+04	-1.0699e+06
816	384	-3.7965e+02	-7.1365e+03	1.5010e+03	-2.6184e+04	-2.2853e+05	-1.0679e+06
	447	3.7965e+02	7.1365e+03	-1.5010e+03	2.6184e+04	-2.5179e+05	-1.2158e+06
817	362	-1.0491e+03	-6.3345e+03	1.1942e+03	-2.6184e+04	-1.6611e+05	-9.4699e+05
	445	1.0491e+03	6.3345e+03	-1.1942e+03	2.6184e+04	-2.1606e+05	-1.0801e+06
818	366	5.4855e+01	-2.0075e+03	3.7105e+01	-1.8232e+04	-3.6601e+03	-2.9613e+05
	444	-5.4855e+01	2.0075e+03	-3.7105e+01	1.8232e+04	-8.3562e+03	-3.4633e+05
819	370	-3.5654e+02	-4.5441e+03	-2.1611e+02	-1.8232e+04	3.0979e+04	-6.7029e+05
	443	3.5654e+02	4.5441e+03	2.1611e+02	1.8232e+04	3.8186e+04	-7.8387e+05
820	363	2.5146e+03	-2.9687e+03	-2.4794e+03	-2.2188e+04	3.8268e+05	-4.2769e+05
	442	-2.5146e+03	2.9687e+03	2.4794e+03	2.2188e+04	4.1073e+05	-5.2239e+05
821	367	-1.2130e+03	-2.0880e+03	2.9935e+02	-1.8232e+04	-4.0364e+04	-3.0693e+05
	441	1.2130e+03	2.0880e+03	-2.9935e+02	1.8232e+04	-5.5445e+04	-3.6131e+05
822	361	1.4546e+02	-3.7474e+03	2.2063e+02	-2.6184e+04	-3.2761e+04	-4.7623e+05
	440	-1.4546e+02	3.7474e+03	-2.2063e+02	2.6184e+04	-3.7852e+04	-7.2347e+05
823	355	1.3905e+03	-2.1821e+03	-4.2955e+02	-1.8232e+04	6.8593e+04	-3.1860e+05
	439	-1.3905e+03	2.1821e+03	4.2955e+02	1.8232e+04	6.8865e+04	-3.7975e+05
824	371	4.5721e+02	-4.6763e+03	-1.1348e+02	-1.8232e+04	1.6607e+04	-6.8944e+05
	438	-4.5721e+02	4.6763e+03	1.1348e+02	1.8232e+04	1.9712e+04	-8.0700e+05
825	376	3.2163e+02	-3.6955e+03	-3.7301e+02	-2.6184e+04	5.5016e+04	-4.6866e+05
	436	-3.2163e+02	3.6955e+03	3.7301e+02	2.6184e+04	6.4354e+04	-7.1444e+05
826	382	1.8033e+02	-7.0478e+03	-3.2200e+02	-2.6184e+04	4.5049e+04	-1.0468e+06
	435	-1.8033e+02	7.0478e+03	3.2200e+02	2.6184e+04	5.7999e+04	-1.2085e+06
827	385	-2.7311e+02	-6.9179e+03	6.7153e+02	-2.6184e+04	-9.7960e+04	-9.7886e+05
	434	2.7311e+02	6.9179e+03	-6.7153e+02	2.6184e+04	-1.1701e+05	-1.2350e+06
828	386	1.4415e+03	-7.0544e+03	3.6115e+02	-2.6184e+04	-4.8468e+04	-1.0012e+06
	433	-1.4415e+03	7.0544e+03	-3.6115e+02	2.6184e+04	-6.7253e+04	-1.2563e+06
829	353	-1.4778e+03	-3.2322e+03	3.3248e+02	-2.6184e+04	-4.3135e+04	-4.5300e+05
	432	1.4778e+03	3.2322e+03	-3.3248e+02	2.6184e+04	-6.3390e+04	-5.8165e+05
830	373	-5.4096e+01	-3.9053e+03	-1.3537e+02	-2.6184e+04	2.0038e+04	-4.9335e+05
	431	5.4096e+01	3.9053e+03	1.3537e+02	2.6184e+04	2.3288e+04	-7.5688e+05
831	364	8.7575e+02	-6.1848e+03	-7.9855e+02	-2.6184e+04	1.1272e+05	-9.2385e+05

	429	-8.7575e+02	6.1848e+03	7.9855e+02	2.6184e+04	1.4283e+05	-1.0553e+06
832	356	7.3542e+02	-2.1960e+03	5.0029e+02	-2.6184e+04	-7.1171e+04	-2.7253e+05
	424	-7.3542e+02	2.1960e+03	-5.0029e+02	2.6184e+04	-8.8940e+04	-4.3078e+05
833	368	-1.0232e+03	-2.3149e+03	6.8717e+02	-1.8232e+04	-1.0388e+05	-3.3761e+05
	423	1.0232e+03	2.3149e+03	-6.8717e+02	1.8232e+04	-1.1602e+05	-4.0323e+05
834	375	-8.6417e+02	-3.0466e+03	-4.8648e+02	-2.6184e+04	7.2239e+04	-3.7085e+05
	422	8.6417e+02	3.0466e+03	4.8648e+02	2.6184e+04	8.3462e+04	-6.0485e+05
835	381	8.4351e+02	-3.3488e+03	-5.5286e+02	-2.6184e+04	8.1592e+04	-4.1776e+05
	420	-8.4351e+02	3.3488e+03	5.5286e+02	2.6184e+04	9.5333e+04	-6.5450e+05
836	380	-1.4669e+03	-4.6602e+03	2.1435e+02	-1.8232e+04	-2.9792e+04	-6.8912e+05
	419	1.4669e+03	4.6602e+03	-2.1435e+02	1.8232e+04	-3.8903e+04	-8.0217e+05
837	383	-1.4065e+02	-4.5202e+03	-7.2065e+01	-1.8232e+04	9.3708e+03	-6.6939e+05
	417	1.4065e+02	4.5202e+03	7.2065e+01	1.8232e+04	1.3692e+04	-7.7710e+05
838	323	3.3806e+03	-7.2040e+03	4.0538e+02	-2.8907e+04	-6.2181e+04	-1.1270e+06
	386	-3.3806e+03	7.2040e+03	-4.0538e+02	2.8907e+04	-6.7943e+04	-1.1787e+06
839	329	-7.4667e+02	-7.0599e+03	6.5089e+02	-2.8907e+04	-1.0312e+05	-1.1028e+06
	385	7.4667e+02	7.0599e+03	-6.5089e+02	2.8907e+04	-1.0528e+05	-1.1569e+06
840	333	-9.7119e+02	-7.9311e+03	1.4809e+03	-2.8907e+04	-2.3702e+05	-1.2520e+06
	384	9.7119e+02	7.9311e+03	-1.4809e+03	2.8907e+04	-2.3687e+05	-1.2861e+06
841	331	-2.9776e+02	-4.8427e+03	-5.8743e+01	-2.0129e+04	9.5608e+03	-7.6295e+05
	383	2.9776e+02	4.8427e+03	5.8743e+01	2.0129e+04	9.2424e+03	-7.8682e+05
842	325	-6.2190e+02	-7.6993e+03	-3.0307e+02	-2.8907e+04	4.8398e+04	-1.2136e+06
	382	6.2190e+02	7.6993e+03	3.0307e+02	2.8907e+04	4.8626e+04	-1.2503e+06
843	318	2.1722e+03	-3.3689e+03	-6.0197e+02	-2.8907e+04	9.5931e+04	-5.0364e+05
	381	-2.1722e+03	3.3689e+03	6.0197e+02	2.8907e+04	9.6739e+04	-5.7585e+05
844	317	-3.5237e+03	-4.9874e+03	-2.5407e+02	-2.0129e+04	4.0175e+04	-7.8948e+05
	380	3.5237e+03	4.9874e+03	2.5407e+02	2.0129e+04	4.1243e+04	-8.0657e+05
845	332	1.9968e+03	-7.6025e+03	4.6569e+02	-2.8907e+04	-7.4676e+04	-1.1977e+06
	378	-1.9968e+03	7.6025e+03	-4.6569e+02	2.8907e+04	-7.4397e+04	-1.2353e+06
846	322	9.1955e+02	-3.6476e+03	-3.8956e+02	-2.8907e+04	6.2086e+04	-5.4864e+05
	376	-9.1955e+02	3.6476e+03	3.8956e+02	2.8907e+04	6.2590e+04	-6.1993e+05
847	328	-2.3032e+03	-3.0423e+03	4.8762e+02	-2.8907e+04	-7.8088e+04	-4.4870e+05
	375	2.3032e+03	3.0423e+03	-4.8762e+02	2.8907e+04	-7.7989e+04	-5.2658e+05
848	327	-7.1055e+01	-3.7355e+03	-1.3130e+02	-2.8907e+04	2.0865e+04	-5.6457e+05
	373	7.1055e+01	3.7355e+03	1.3130e+02	2.8907e+04	2.1152e+04	-6.3207e+05
849	319	1.0186e+03	-4.9244e+03	1.1460e+02	-2.0129e+04	-1.8428e+04	-7.7682e+05
	371	-1.0186e+03	4.9244e+03	-1.1460e+02	2.0129e+04	-1.8275e+04	-7.9909e+05
850	324	-1.0631e+03	-4.8100e+03	-2.3408e+02	-2.0129e+04	3.7397e+04	-7.5756e+05
	370	1.0631e+03	4.8100e+03	2.3408e+02	2.0129e+04	3.7531e+04	-7.8176e+05
851	302	-2.7957e+03	-2.5333e+03	6.7247e+02	-2.0129e+04	-1.0699e+05	-3.9751e+05
	368	2.7957e+03	2.5333e+03	-6.7247e+02	2.0129e+04	-1.0822e+05	-4.1326e+05
852	307	-2.7538e+03	-2.3572e+03	-2.9402e+02	-2.0129e+04	4.7035e+04	-3.6858e+05
	367	2.7538e+03	2.3572e+03	2.9402e+02	2.0129e+04	4.7156e+04	-3.8588e+05
853	314	-1.0233e+02	-2.3463e+03	2.2078e+01	-2.0129e+04	-3.3748e+03	-3.6707e+05
	366	1.0233e+02	2.3463e+03	-2.2078e+01	2.0129e+04	-3.9813e+03	-3.8385e+05
854	298	2.0192e+03	-7.1327e+03	-7.1049e+02	-2.8907e+04	1.1418e+05	-1.1250e+06
	364	-2.0192e+03	7.1327e+03	7.1049e+02	2.8907e+04	1.1322e+05	-1.1576e+06
855	309	8.1472e+03	-3.5743e+03	-2.5050e+03	-2.4495e+04	4.0385e+05	-5.5478e+05
	363	-8.1472e+03	3.5743e+03	2.5050e+03	2.4495e+04	3.9774e+05	-5.8924e+05
856	306	-2.6416e+03	-7.2438e+03	1.0255e+03	-2.8907e+04	-1.6541e+05	-1.1416e+06

	362	2.6416e+03	7.2438e+03	-1.0255e+03	2.8907e+04	-1.6284e+05	-1.1765e+06
857	315	-4.6861e+02	-3.6957e+03	2.1452e+02	-2.8907e+04	-3.4423e+04	-5.5682e+05
	361	4.6861e+02	3.6957e+03	-2.1452e+02	2.8907e+04	-3.4239e+04	-6.2711e+05
858	311	1.5338e+03	-2.3038e+03	-4.9177e+02	-2.8907e+04	7.8337e+04	-3.4059e+05
	356	-1.5338e+03	2.3038e+03	4.9177e+02	2.8907e+04	7.9119e+04	-3.9764e+05
859	303	3.5634e+03	-2.4294e+03	-4.7535e+02	-2.0129e+04	7.7426e+04	-3.8022e+05
	355	-3.5634e+03	2.4294e+03	4.7535e+02	2.0129e+04	7.4687e+04	-3.9732e+05
860	310	2.3217e+03	-6.0753e+03	-2.4246e+02	-2.8907e+04	3.9064e+04	-9.4149e+05
	354	-2.3217e+03	6.0753e+03	2.4246e+02	2.8907e+04	3.8669e+04	-1.0032e+06
861	313	-3.4446e+03	-3.4626e+03	3.6739e+02	-2.8907e+04	-5.5911e+04	-5.3336e+05
	353	3.4446e+03	3.4626e+03	-3.6739e+02	2.8907e+04	-6.2123e+04	-5.7530e+05
862	308	-3.0185e+03	-3.3573e+03	1.0418e+03	-2.8907e+04	-1.6750e+05	-5.1459e+05
	352	3.0185e+03	3.3573e+03	-1.0418e+03	2.8907e+04	-1.6589e+05	-5.6029e+05
863	301	-1.2589e+03	-2.2794e+03	1.4581e+03	-2.8907e+04	-2.3397e+05	-3.3474e+05
	350	1.2589e+03	2.2794e+03	-1.4581e+03	2.8907e+04	-2.3262e+05	-3.9576e+05
864	300	1.4511e+03	-2.6799e+03	-2.1752e+02	-2.0129e+04	3.4875e+04	-4.2001e+05
	349	-1.4511e+03	2.6799e+03	2.1752e+02	2.0129e+04	3.4765e+04	-4.3765e+05
865	312	6.6660e+02	-2.5075e+03	2.7974e+02	-2.8907e+04	-4.4672e+04	-3.7289e+05
	348	-6.6660e+02	2.5075e+03	-2.7974e+02	2.8907e+04	-4.4889e+04	-4.3049e+05
866	316	-6.6457e+03	-2.6750e+03	6.3228e+03	-2.8907e+04	-1.0209e+06	-4.2284e+05
	347	6.6457e+03	2.6750e+03	-6.3228e+03	2.8907e+04	-1.0025e+06	-4.3318e+05
867	304	-9.5126e+02	-5.1046e+03	1.6735e+02	-2.0129e+04	-2.6739e+04	-8.1019e+05
	339	9.5126e+02	5.1046e+03	-1.6735e+02	2.0129e+04	-2.6814e+04	-8.2331e+05
868	305	-7.5170e+03	-3.7843e+03	6.3286e+02	-2.8907e+04	-9.9667e+04	-5.8601e+05
	338	7.5170e+03	3.7843e+03	-6.3286e+02	2.8907e+04	-1.0289e+05	-6.2542e+05
869	299	-1.0467e+03	-5.0564e+03	-2.8436e+02	-2.0129e+04	4.6053e+04	-8.0259e+05
	334	1.0467e+03	5.0564e+03	2.8436e+02	2.0129e+04	4.4947e+04	-8.1548e+05
870	265	-1.6449e+03	-8.8037e+03	1.4778e+03	-2.7752e+04	-2.4132e+05	-1.4296e+06
	333	1.6449e+03	8.8037e+03	-1.4778e+03	2.7752e+04	-2.3157e+05	-1.3877e+06
871	264	3.6501e+03	-8.4631e+03	4.9533e+02	-2.7752e+04	-8.4518e+04	-1.3761e+06
	332	-3.6501e+03	8.4631e+03	-4.9533e+02	2.7752e+04	-7.4012e+04	-1.3322e+06
872	238	-4.8796e+02	-5.2506e+03	-5.5058e+01	-1.9324e+04	8.6244e+03	-8.5485e+05
	331	4.8796e+02	5.2506e+03	5.5058e+01	1.9324e+04	9.0134e+03	-8.2544e+05
873	234	-1.3085e+03	-7.8781e+03	6.5675e+02	-2.7752e+04	-1.1221e+05	-1.2953e+06
	329	1.3085e+03	7.8781e+03	-6.5675e+02	2.7752e+04	-9.8004e+04	-1.2261e+06
874	242	-3.9900e+03	-3.5647e+03	5.1632e+02	-2.7752e+04	-8.7839e+04	-5.9863e+05
	328	3.9900e+03	3.5647e+03	-5.1632e+02	2.7752e+04	-7.7407e+04	-5.4349e+05
875	240	-9.5757e+01	-4.3512e+03	-1.2616e+02	-2.7752e+04	2.0307e+04	-7.2441e+05
	327	9.5757e+01	4.3512e+03	1.2616e+02	2.7752e+04	2.0068e+04	-6.6896e+05
876	233	-1.2179e+03	-8.5706e+03	-3.1073e+02	-2.7752e+04	5.2449e+04	-1.3934e+06
	325	1.2179e+03	8.5706e+03	3.1073e+02	2.7752e+04	4.7013e+04	-1.3493e+06
877	244	-1.7493e+03	-5.2101e+03	-2.4138e+02	-1.9324e+04	4.0627e+04	-8.4812e+05
	324	1.7493e+03	5.2101e+03	2.4138e+02	1.9324e+04	3.6657e+04	-8.1919e+05
878	235	5.6173e+03	-8.1218e+03	4.6513e+02	-2.7752e+04	-8.6939e+04	-1.3398e+06
	323	-5.6173e+03	8.1218e+03	-4.6513e+02	2.7752e+04	-6.2244e+04	-1.2594e+06
879	245	1.5715e+03	-4.2418e+03	-4.0906e+02	-2.7752e+04	6.8687e+04	-7.0762e+05
	322	-1.5715e+03	4.2418e+03	4.0906e+02	2.7752e+04	6.2230e+04	-6.5080e+05
880	239	1.6491e+03	-5.3465e+03	1.3387e+02	-1.9324e+04	-2.3706e+04	-8.7016e+05
	319	-1.6491e+03	5.3465e+03	-1.3387e+02	1.9324e+04	-1.9148e+04	-8.4079e+05
881	241	3.7084e+03	-3.9390e+03	-6.5480e+02	-2.7752e+04	1.1158e+05	-6.5810e+05

	318	-3.7084e+03	3.9390e+03	6.5480e+02	2.7752e+04	9.8000e+04	-6.0354e+05
882	236	-6.1344e+03	-5.4352e+03	-2.7948e+02	-1.9324e+04	4.9933e+04	-8.8349e+05
	317	6.1344e+03	5.4352e+03	2.7948e+02	1.9324e+04	3.9606e+04	-8.5584e+05
883	243	-1.2200e+04	-2.9249e+03	6.5817e+03	-2.7752e+04	-1.0820e+06	-4.7059e+05
	316	1.2200e+04	2.9249e+03	-6.5817e+03	2.7752e+04	-1.0242e+06	-4.6541e+05
884	246	-8.2666e+02	-4.2894e+03	2.3179e+02	-2.7752e+04	-3.9506e+04	-7.1470e+05
	315	8.2666e+02	4.2894e+03	-2.3179e+02	2.7752e+04	-3.4674e+04	-6.5893e+05
885	251	-1.2577e+02	-2.6752e+03	3.4244e+01	-1.9324e+04	-7.7207e+03	-4.3265e+05
	314	1.2577e+02	2.6752e+03	-3.4244e+01	1.9324e+04	-3.4238e+03	-4.2347e+05
886	253	-5.4989e+03	-4.0165e+03	4.3919e+02	-2.7752e+04	-8.3218e+04	-6.5440e+05
	313	5.4989e+03	4.0165e+03	-4.3919e+02	2.7752e+04	-5.7743e+04	-6.3110e+05
887	261	1.0066e+03	-2.9089e+03	2.8572e+02	-2.7752e+04	-4.8796e+04	-4.7138e+05
	312	-1.0066e+03	2.9089e+03	-2.8572e+02	2.7752e+04	-4.2656e+04	-4.6012e+05
888	257	2.4494e+03	-2.6924e+03	-5.1372e+02	-2.7752e+04	8.8241e+04	-4.3555e+05
	311	-2.4494e+03	2.6924e+03	5.1372e+02	2.7752e+04	7.6192e+04	-4.2671e+05
889	247	4.1189e+03	-6.8463e+03	2.8196e+02	-2.7752e+04	-5.1252e+04	-1.1314e+06
	310	-4.1189e+03	6.8463e+03	-2.8196e+02	2.7752e+04	-3.9086e+04	-1.0600e+06
890	248	1.5012e+04	-4.1181e+03	-2.4663e+03	-2.3517e+04	3.9450e+05	-6.7349e+05
	309	-1.5012e+04	4.1181e+03	2.4663e+03	2.3517e+04	3.9471e+05	-6.4445e+05
891	255	-5.4678e+03	-3.8380e+03	1.0875e+03	-2.7752e+04	-1.8026e+05	-6.2051e+05
	308	5.4678e+03	3.8380e+03	-1.0875e+03	2.7752e+04	-1.6777e+05	-6.0798e+05
892	256	-4.4061e+03	-2.6711e+03	-3.3844e+02	-1.9324e+04	5.9932e+04	-4.3241e+05
	307	4.4061e+03	2.6711e+03	3.3844e+02	1.9324e+04	4.8414e+04	-4.2241e+05
893	258	-4.2073e+03	-8.1243e+03	1.1283e+03	-2.7752e+04	-1.9162e+05	-1.3220e+06
	306	4.2073e+03	8.1243e+03	-1.1283e+03	2.7752e+04	-1.6948e+05	-1.2779e+06
894	260	-1.2858e+04	-4.3242e+03	6.2725e+02	-2.7752e+04	-1.0456e+05	-6.9561e+05
	305	1.2858e+04	4.3242e+03	-6.2725e+02	2.7752e+04	-9.6202e+04	-6.8849e+05
895	262	-2.2102e+03	-5.5133e+03	1.5596e+02	-1.9324e+04	-2.4692e+04	-8.8817e+05
	304	2.2102e+03	5.5133e+03	-1.5596e+02	1.9324e+04	-2.5219e+04	-8.7611e+05
896	250	6.2084e+03	-2.7352e+03	-5.2277e+02	-1.9324e+04	8.4918e+04	-4.4102e+05
	303	-6.2084e+03	2.7352e+03	5.2277e+02	1.9324e+04	8.2371e+04	-4.3433e+05
897	254	-4.5687e+03	-2.8590e+03	6.7218e+02	-1.9324e+04	-1.0982e+05	-4.6120e+05
	302	4.5687e+03	2.8590e+03	-6.7218e+02	1.9324e+04	-1.0534e+05	-4.5372e+05
898	259	-2.3764e+03	-2.6307e+03	1.4510e+03	-2.7752e+04	-2.3596e+05	-4.2544e+05
	301	2.3764e+03	2.6307e+03	-1.4510e+03	2.7752e+04	-2.2835e+05	-4.1713e+05
899	252	2.3501e+03	-2.9867e+03	-2.3804e+02	-1.9324e+04	4.1015e+04	-4.8132e+05
	300	-2.3501e+03	2.9867e+03	2.3804e+02	1.9324e+04	3.5173e+04	-4.7448e+05
900	263	1.9635e+03	-5.4474e+03	-2.6079e+02	-1.9324e+04	4.1197e+04	-8.7658e+05
	299	-1.9635e+03	5.4474e+03	2.6079e+02	1.9324e+04	4.2374e+04	-8.6659e+05
901	249	2.8702e+03	-8.0476e+03	-7.4058e+02	-2.7752e+04	1.2350e+05	-1.3102e+06
	298	-2.8702e+03	8.0476e+03	7.4058e+02	2.7752e+04	1.1351e+05	-1.2652e+06
902	142	-2.4707e+03	-5.7728e+03	7.2804e+02	-1.6516e+04	-1.2438e+05	-9.8398e+05
	265	2.4707e+03	5.7728e+03	-7.2804e+02	1.6516e+04	-1.1515e+05	-9.1532e+05
903	143	5.2646e+03	-5.4985e+03	2.7284e+02	-1.6516e+04	-5.8893e+04	-9.4065e+05
	264	-5.2646e+03	5.4985e+03	-2.7284e+02	1.6516e+04	-3.1323e+04	-8.6843e+05
904	144	2.8129e+03	-3.6818e+03	-1.8784e+02	-1.1500e+04	2.8705e+04	-6.2139e+05
	263	-2.8129e+03	3.6818e+03	1.8784e+02	1.1500e+04	3.3477e+04	-5.8995e+05
905	145	-3.5927e+03	-3.6282e+03	1.1470e+02	-1.1500e+04	-1.7073e+04	-6.0495e+05
	262	3.5927e+03	3.6282e+03	-1.1470e+02	1.1500e+04	-2.0962e+04	-5.8875e+05
906	138	1.3355e+03	-3.0736e+03	1.9177e+02	-1.6516e+04	-4.3113e+04	-6.6433e+05

	261	-1.3355e+03	3.0736e+03	-1.9177e+02	1.6516e+04	-2.0637e+04	-3.4723e+05
907	140	-1.8267e+04	-4.1831e+03	3.3712e+02	-1.6516e+04	-6.7158e+04	-8.3503e+05
	260	1.8267e+04	4.1831e+03	-3.3712e+02	1.6516e+04	-4.3816e+04	-5.4149e+05
908	139	-3.1735e+03	-2.8213e+03	6.9517e+02	-1.6516e+04	-1.1949e+05	-6.2474e+05
	259	3.1735e+03	2.8213e+03	-6.9517e+02	1.6516e+04	-1.0924e+05	-3.0402e+05
909	141	-5.2949e+03	-5.4076e+03	6.6214e+02	-1.6516e+04	-1.3843e+05	-9.3907e+05
	258	5.2949e+03	5.4076e+03	-6.6214e+02	1.6516e+04	-7.9457e+04	-8.4010e+05
910	137	3.1846e+03	-2.9206e+03	-3.2106e+02	-1.6516e+04	7.3113e+04	-6.4299e+05
	257	-3.1846e+03	2.9206e+03	3.2106e+02	1.6516e+04	3.3105e+04	-3.1842e+05
911	136	-5.6354e+03	-2.2680e+03	2.0866e+02	-1.1500e+04	-5.0503e+04	-4.1945e+05
	256	5.6354e+03	2.2680e+03	-2.0866e+02	1.1500e+04	-1.8432e+04	-3.2682e+05
912	131	-7.2152e+03	-3.3833e+03	5.3558e+02	-1.6516e+04	-1.0156e+05	-6.6326e+05
	255	7.2152e+03	3.3833e+03	-5.3558e+02	1.6516e+04	-7.4939e+04	-4.5002e+05
913	132	-5.9264e+03	-2.3874e+03	4.4361e+02	-1.1500e+04	-8.2564e+04	-4.3634e+05
	254	5.9264e+03	2.3874e+03	-4.4361e+02	1.1500e+04	-6.3733e+04	-3.4916e+05
914	130	-7.0263e+03	-3.5723e+03	2.8333e+02	-1.6516e+04	-8.9803e+04	-6.9223e+05
	253	7.0263e+03	3.5723e+03	-2.8333e+02	1.6516e+04	-6.0047e+03	-4.8333e+05
915	135	3.0745e+03	-2.4108e+03	1.5703e+02	-1.1500e+04	-3.4465e+04	-4.3487e+05
	252	-3.0745e+03	2.4108e+03	-1.5703e+02	1.1500e+04	-1.7240e+04	-3.5832e+05
916	133	-1.5054e+02	-2.2956e+03	1.9532e+01	-1.1500e+04	-1.0628e+04	-4.2508e+05
	251	1.5054e+02	2.2956e+03	-1.9532e+01	1.1500e+04	5.6632e+03	-3.3022e+05
917	134	9.0386e+03	-2.2761e+03	-3.9642e+02	-1.1500e+04	6.0414e+04	-4.1878e+05
	250	-9.0386e+03	2.2761e+03	3.9642e+02	1.1500e+04	7.0032e+04	-3.3007e+05
918	147	3.3812e+03	-5.3536e+03	-5.0566e+02	-1.6516e+04	1.0292e+05	-9.3058e+05
	249	-3.3812e+03	5.3536e+03	5.0566e+02	1.6516e+04	6.3462e+04	-8.3084e+05
919	148	2.1496e+04	-3.2236e+03	-1.2513e+03	-1.3995e+04	1.9195e+05	-6.2563e+05
	248	-2.1496e+04	3.2236e+03	1.2513e+03	1.3995e+04	2.1974e+05	-4.3513e+05
920	152	5.7120e+03	-5.1576e+03	1.6781e+02	-1.6516e+04	-4.6158e+04	-1.0346e+06
	247	-5.7120e+03	5.1576e+03	-1.6781e+02	1.6516e+04	-1.2384e+04	-6.6264e+05
921	153	-1.0985e+03	-4.0703e+03	1.1131e+02	-1.6516e+04	-2.3152e+04	-9.1537e+05
	246	1.0985e+03	4.0703e+03	-1.1131e+02	1.6516e+04	-1.3569e+04	-4.2470e+05
922	155	2.1652e+03	-4.0097e+03	-2.8807e+02	-1.6516e+04	5.7605e+04	-9.0397e+05
	245	-2.1652e+03	4.0097e+03	2.8807e+02	1.6516e+04	3.7224e+04	-4.1618e+05
923	159	-2.3176e+03	-3.7215e+03	-2.5576e+02	-1.1500e+04	5.6762e+04	-6.8200e+05
	244	2.3176e+03	3.7215e+03	2.5576e+02	1.1500e+04	2.7428e+04	-5.4244e+05
924	161	-1.7569e+04	-2.4533e+03	3.7545e+03	-1.6516e+04	-6.6503e+05	-4.5647e+05
	243	1.7569e+04	2.4533e+03	-3.7545e+03	1.6516e+04	-5.7025e+05	-3.5069e+05
925	151	-5.5382e+03	-3.6211e+03	2.6622e+02	-1.6516e+04	-5.5996e+04	-8.5532e+05
	242	5.5382e+03	3.6211e+03	-2.6622e+02	1.6516e+04	-3.1918e+04	-3.3752e+05
926	156	5.1144e+03	-3.8613e+03	-4.4681e+02	-1.6516e+04	9.2344e+04	-8.8815e+05
	241	-5.1144e+03	3.8613e+03	4.4681e+02	1.6516e+04	5.4789e+04	-3.8359e+05
927	154	-1.4314e+02	-4.0936e+03	-1.0393e+02	-1.6516e+04	1.8809e+04	-9.1732e+05
	240	1.4314e+02	4.0936e+03	1.0393e+02	1.6516e+04	1.5424e+04	-4.3037e+05
928	157	2.1830e+03	-3.8088e+03	5.8553e+01	-1.1500e+04	-1.3814e+04	-6.9373e+05
	239	-2.1830e+03	3.8088e+03	-5.8553e+01	1.1500e+04	-5.9038e+03	-5.5942e+05
929	158	-7.1532e+02	-3.7574e+03	-1.0950e+02	-1.1500e+04	2.3557e+04	-6.8750e+05
	238	7.1532e+02	3.7574e+03	1.0950e+02	1.1500e+04	1.2492e+04	-5.4875e+05
930	160	-8.5219e+03	-3.8525e+03	-3.1756e+02	-1.1500e+04	7.8719e+04	-6.9968e+05
	236	8.5219e+03	3.8525e+03	3.1756e+02	1.1500e+04	2.5907e+04	-5.6782e+05
931	149	8.1981e+03	-5.8282e+03	4.2933e+02	-1.6516e+04	-1.2047e+05	-1.1107e+06

	235	-8.1981e+03	5.8282e+03	-4.2933e+02	1.6516e+04	-2.1929e+04	-8.0694e+05
932	150	-1.9933e+03	-5.7585e+03	4.3114e+02	-1.6516e+04	-1.0066e+05	-1.1128e+06
	234	1.9933e+03	5.7585e+03	-4.3114e+02	1.6516e+04	-4.2016e+04	-7.8206e+05
933	146	-1.6527e+03	-5.6003e+03	-2.5243e+02	-1.6516e+04	5.5750e+04	-9.5733e+05
	233	1.6527e+03	5.6003e+03	2.5243e+02	1.6516e+04	2.7358e+04	-8.8523e+05
934	127	-8.6012e+02	-5.8409e+02	1.2859e+02	4.4015e+02	-2.0521e+04	-1.5058e+05
	195	8.6012e+02	5.8409e+02	-1.2859e+02	-4.4015e+02	-2.1941e+04	-4.2186e+04
935	126	-1.0144e+03	5.4602e+02	4.3004e+01	4.4015e+02	-8.3883e+03	5.4212e+04
	194	1.0144e+03	-5.4602e+02	-4.3004e+01	-4.4015e+02	-6.7824e+03	1.2653e+05
936	51	-7.9745e+03	1.5105e+03	2.1740e+02	4.4015e+02	-3.3800e+04	1.4521e+05
	160	7.9745e+03	-1.5105e+03	-2.1740e+02	-4.4015e+02	-3.8059e+04	3.5408e+05
937	50	-1.7702e+03	9.4740e+02	-1.4049e+02	4.4015e+02	2.4258e+04	1.7973e+04
	159	1.7702e+03	-9.4740e+02	1.4049e+02	-4.4015e+02	2.2344e+04	3.0497e+05
938	49	-4.0693e+02	8.6892e+02	-9.3478e+01	4.4015e+02	1.7838e+04	-1.9063e+04
	158	4.0693e+02	-8.6892e+02	9.3478e+01	-4.4015e+02	1.3457e+04	2.9163e+05
939	48	2.4008e+03	8.8717e+02	-5.0780e+01	4.4015e+02	1.1145e+04	1.8476e+04
	157	-2.4008e+03	-8.8717e+02	5.0780e+01	-4.4015e+02	7.2937e+03	2.9147e+05
940	47	4.9831e+03	1.9467e+03	4.1369e+02	4.4015e+02	-5.9574e+04	1.7700e+05
	156	-4.9831e+03	-1.9467e+03	-4.1369e+02	-4.4015e+02	-7.7019e+04	4.6577e+05
941	46	2.0332e+03	1.3975e+03	3.1113e+02	4.4015e+02	-4.8364e+04	5.5714e+04
	155	-2.0332e+03	-1.3975e+03	-3.1113e+02	-4.4015e+02	-5.4368e+04	4.0744e+05
942	45	-1.4104e+02	1.3386e+03	2.1264e+02	4.4015e+02	-3.5259e+04	4.9996e+04
	154	1.4104e+02	-1.3386e+03	-2.1264e+02	-4.4015e+02	-3.4960e+04	3.9436e+05
943	44	-1.2133e+03	1.3648e+03	7.8346e+01	4.4015e+02	-1.6521e+04	5.6587e+04
	153	1.2133e+03	-1.3648e+03	-7.8346e+01	-4.4015e+02	-9.5065e+03	3.9631e+05
944	43	5.6795e+03	1.7661e+03	-1.0546e+02	4.4015e+02	1.1129e+04	9.2369e+04
	152	-5.6795e+03	-1.7661e+03	1.0546e+02	-4.4015e+02	2.5073e+04	4.9159e+05
945	42	-5.5368e+03	1.4818e+03	-1.5249e+02	4.4015e+02	1.9153e+04	6.3054e+04
	151	5.5368e+03	-1.4818e+03	1.5249e+02	-4.4015e+02	3.2286e+04	4.2752e+05
946	41	-2.1211e+03	1.6183e+03	4.5445e+01	4.4015e+02	-9.0081e+03	8.0218e+04
	150	2.1211e+03	-1.6183e+03	-4.5445e+01	-4.4015e+02	-1.4457e+04	4.5423e+05
947	40	7.5137e+03	2.4887e+03	8.4835e+01	4.4015e+02	-4.8464e+03	2.6011e+05
	149	-7.5137e+03	-2.4887e+03	-8.4835e+01	-4.4015e+02	-2.5919e+04	5.6150e+05
948	39	2.2386e+04	2.5682e+03	4.5928e+02	4.4015e+02	-6.0158e+04	3.3246e+05
	148	-2.2386e+04	-2.5682e+03	-4.5928e+02	-4.4015e+02	-9.1648e+04	5.1538e+05
949	38	4.0607e+03	2.1976e+03	2.9091e+02	4.4015e+02	-3.9776e+04	2.1155e+05
	147	-4.0607e+03	-2.1976e+03	-2.9091e+02	-4.4015e+02	-5.6474e+04	5.1393e+05
950	37	-1.5568e+03	1.2270e+03	2.9920e+02	4.4015e+02	-4.9243e+04	-1.6727e+04
	146	1.5568e+03	-1.2270e+03	-2.9920e+02	-4.4015e+02	-4.9584e+04	4.0998e+05
951	36	-2.7977e+03	7.3528e+02	6.9807e+02	4.4015e+02	-1.2780e+05	-2.6963e+04
	145	2.7977e+03	-7.3528e+02	-6.9807e+02	-4.4015e+02	-1.0257e+05	2.6804e+05
952	35	2.3899e+03	1.9188e+03	-3.4391e+02	4.4015e+02	5.6143e+04	2.7316e+05
	144	-2.3899e+03	-1.9188e+03	3.4391e+02	-4.4015e+02	5.7681e+04	3.6108e+05
953	34	5.6771e+03	9.6444e+02	-4.1388e+02	4.4015e+02	8.3805e+04	-8.6062e+04
	143	-5.6771e+03	-9.6444e+02	4.1388e+02	-4.4015e+02	5.3496e+04	3.8995e+05
954	33	-2.7506e+03	1.3536e+03	-2.0717e+02	4.4015e+02	2.5293e+04	4.0267e+04
	142	2.7506e+03	-1.3536e+03	2.0717e+02	-4.4015e+02	4.6441e+04	4.1061e+05
955	32	-6.3411e+03	2.3148e+03	-2.3321e+02	4.4015e+02	2.4373e+04	2.4185e+05
	141	6.3411e+03	-2.3148e+03	2.3321e+02	-4.4015e+02	5.4315e+04	5.2221e+05
956	31	-2.2761e+04	-1.2783e+02	2.7383e+02	4.4015e+02	-5.6614e+04	-1.0647e+05

	140	2.2761e+04	1.2783e+02	-2.7383e+02	-4.4015e+02	-3.6178e+04	9.1419e+04
957	30	-2.7071e+03	5.5303e+02	-3.8838e+02	4.4015e+02	5.8941e+04	-7.2028e+04
	139	2.7071e+03	-5.5303e+02	3.8838e+02	-4.4015e+02	6.9285e+04	2.5389e+05
958	29	1.8992e+03	3.5697e+02	5.0450e+02	4.4015e+02	-8.3209e+04	-9.6457e+04
	138	-1.8992e+03	-3.5697e+02	-5.0450e+02	-4.4015e+02	-8.3328e+04	2.1338e+05
959	28	3.0386e+03	1.4027e+03	7.6144e+02	4.4015e+02	-1.2612e+05	1.3065e+05
	137	-3.0386e+03	-1.4027e+03	-7.6144e+02	-4.4015e+02	-1.2542e+05	3.3238e+05
960	27	6.7461e+03	8.1373e+02	1.2286e+03	4.4015e+02	-2.1191e+05	6.3726e+04
	136	-6.7461e+03	-8.1373e+02	-1.2286e+03	-4.4015e+02	-1.9359e+05	2.0492e+05
961	26	4.1597e+03	3.8099e+02	7.3980e+02	4.4015e+02	-1.2938e+05	-3.4052e+04
	135	-4.1597e+03	-3.8099e+02	-7.3980e+02	-4.4015e+02	-1.1478e+05	1.5882e+05
962	582	9.1911e+03	6.1828e+02	-2.3518e+02	4.4015e+02	3.7505e+04	1.5725e+04
	134	-9.1911e+03	-6.1828e+02	2.3518e+02	-4.4015e+02	4.0171e+04	1.8888e+05
963	469	3.3228e+02	9.6725e+02	1.0029e+02	4.4015e+02	-1.9327e+04	1.0607e+05
	133	-3.3228e+02	-9.6725e+02	-1.0029e+02	-4.4015e+02	-1.4040e+04	2.1326e+05
964	23	-5.9057e+03	4.9766e+02	4.4389e+02	4.4015e+02	-7.4346e+04	9.1808e+03
	132	5.9057e+03	-4.9766e+02	-4.4389e+02	-4.4015e+02	-7.2146e+04	1.5915e+05
965	22	-7.3876e+03	9.3271e+02	-5.5432e+02	4.4015e+02	9.3486e+04	2.9120e+04
	131	7.3876e+03	-9.3271e+02	5.5432e+02	-4.4015e+02	8.9539e+04	2.7885e+05
966	21	-7.8596e+03	1.3264e+03	-8.6414e+02	4.4015e+02	1.4675e+05	1.3160e+05
	130	7.8596e+03	-1.3264e+03	8.6414e+02	-4.4015e+02	1.3852e+05	3.0680e+05
361	256	-1.6384e-11	-2.6937e+03	1.0034e+03	3.2017e+04	-1.4049e+05	-3.7717e+05
	2	1.6384e-11	2.6937e+03	-1.0034e+03	-3.2017e+04	-1.8100e+05	-4.8592e+05
362	252	5.8695e-11	-2.6986e+03	1.0052e+03	1.8203e+04	-1.5672e+05	-4.2072e+05
	256	-5.8695e-11	2.6986e+03	-1.0052e+03	-1.8203e+04	-1.6297e+05	-4.3751e+05
363	250	-2.9242e-11	-3.0452e+03	1.1343e+03	3.3515e+04	-1.8299e+05	-4.9124e+05
	252	2.9242e-11	3.0452e+03	-1.1343e+03	-3.3515e+04	-1.7773e+05	-4.7712e+05
364	251	7.4266e-11	-2.3820e+03	8.8730e+02	-1.0076e+04	-1.4146e+05	-3.7976e+05
	250	-7.4266e-11	2.3820e+03	-8.8730e+02	1.0076e+04	-1.4070e+05	-3.7772e+05
365	254	-4.6065e-11	-2.3221e+03	8.6498e+02	-7.5997e+03	-1.3886e+05	-3.7278e+05
	251	4.6065e-11	2.3221e+03	-8.6498e+02	7.5997e+03	-1.4226e+05	-3.8191e+05
366	255	4.4260e-11	-3.0714e+03	1.1441e+03	1.4698e+04	-1.9680e+05	-5.2832e+05
	254	-4.4260e-11	3.0714e+03	-1.1441e+03	-1.4698e+04	-1.7961e+05	-4.8218e+05
367	253	5.8689e-11	-3.8337e+03	1.4280e+03	4.1766e+04	-2.1468e+05	-5.7632e+05
	255	-5.8689e-11	3.8337e+03	-1.4280e+03	-4.1766e+04	-2.1732e+05	-5.8341e+05
368	59	7.4208e-11	-3.1111e+03	1.1589e+03	3.6898e+04	-1.9635e+05	-5.2712e+05
	253	-7.4208e-11	3.1111e+03	-1.1589e+03	-3.6898e+04	-1.6468e+05	-4.4210e+05
377	54	-2.9105e-11	5.7347e+03	-2.1362e+03	3.3302e+04	3.7599e+05	1.0094e+06
	236	2.9105e-11	-5.7347e+03	2.1362e+03	-3.3302e+04	3.0834e+05	8.2776e+05
378	236	-4.5563e-13	4.4983e+03	-1.6756e+03	2.0618e+04	2.6426e+05	7.0943e+05
	244	4.5563e-13	-4.4983e+03	1.6756e+03	-2.0618e+04	2.6859e+05	7.2105e+05
379	244	4.3895e-11	4.6529e+03	-1.7332e+03	1.5125e+04	2.7604e+05	7.4106e+05
	238	-4.3895e-11	-4.6529e+03	1.7332e+03	-1.5125e+04	2.7511e+05	7.3856e+05
380	238	-5.8557e-11	4.6150e+03	-1.7191e+03	1.5557e+04	2.7432e+05	7.3643e+05
	239	5.8557e-11	-4.6150e+03	1.7191e+03	-1.5557e+04	2.7235e+05	7.3115e+05
381	239	-2.9126e-11	4.8787e+03	-1.8173e+03	1.9376e+04	2.8820e+05	7.7369e+05
	247	2.9126e-11	-4.8787e+03	1.8173e+03	-1.9376e+04	3.2151e+05	8.6311e+05
382	247	-1.4587e-11	6.1644e+03	-2.2962e+03	1.1697e+04	3.5924e+05	9.6442e+05
	234	1.4587e-11	-6.1644e+03	2.2962e+03	-1.1697e+04	3.4799e+05	9.3420e+05
383	234	-2.9125e-11	5.7980e+03	-2.1597e+03	2.7191e+04	3.3979e+05	9.1221e+05

	235	2.9125e-11	-5.7980e+03	2.1597e+03	-2.7191e+04	3.3621e+05	9.0258e+05
384	235	5.4618e-12	7.3582e+03	-2.7409e+03	4.0486e+04	3.9814e+05	1.0689e+06
	56	-5.4618e-12	-7.3582e+03	2.7409e+03	-4.0486e+04	4.5528e+05	1.2222e+06
446	307	-5.8236e-11	-2.6966e+03	1.0045e+03	3.9992e+04	-1.4242e+05	-3.8234e+05
	165	5.8236e-11	2.6966e+03	-1.0045e+03	-3.9992e+04	-1.7946e+05	-4.8177e+05
447	300	3.7504e-12	-2.8544e+03	1.0632e+03	2.2356e+04	-1.6548e+05	-4.4423e+05
	307	-3.7504e-12	2.8544e+03	-1.0632e+03	-2.2356e+04	-1.7267e+05	-4.6355e+05
448	303	-6.5180e-11	-3.2355e+03	1.2052e+03	3.5763e+04	-1.9420e+05	-5.2136e+05
	300	6.5180e-11	3.2355e+03	-1.2052e+03	-3.5763e+04	-1.8905e+05	-5.0753e+05
449	314	1.8416e-10	-2.4424e+03	9.0977e+02	-1.2049e+04	-1.4550e+05	-3.9060e+05
	303	-1.8416e-10	2.4424e+03	-9.0977e+02	1.2049e+04	-1.4381e+05	-3.8607e+05
450	302	-1.2004e-10	-2.4178e+03	9.0064e+02	-8.9515e+03	-1.4435e+05	-3.8753e+05
	314	1.2004e-10	2.4178e+03	-9.0064e+02	8.9515e+03	-1.4836e+05	-3.9827e+05
451	308	-6.5313e-11	-3.2106e+03	1.1960e+03	1.7995e+04	-2.0516e+05	-5.5078e+05
	302	6.5313e-11	3.2106e+03	-1.1960e+03	-1.7995e+04	-1.8831e+05	-5.0553e+05
452	313	-5.8321e-11	-4.0133e+03	1.4950e+03	5.0099e+04	-2.2571e+05	-6.0594e+05
	308	5.8321e-11	4.0133e+03	-1.4950e+03	-5.0099e+04	-2.2653e+05	-6.0815e+05
453	80	8.2509e-11	-3.0446e+03	1.1341e+03	3.9566e+04	-1.8767e+05	-5.0382e+05
	313	-8.2509e-11	3.0446e+03	-1.1341e+03	-3.9566e+04	-1.6564e+05	-4.4468e+05
462	125	1.4841e-10	6.3846e+03	-2.3782e+03	4.2091e+04	4.1613e+05	1.1171e+06
	317	-1.4841e-10	-6.3846e+03	2.3782e+03	-4.2091e+04	3.4574e+05	9.2818e+05
463	317	-1.7466e-10	5.0968e+03	-1.8985e+03	2.5073e+04	2.9943e+05	8.0386e+05
	324	1.7466e-10	-5.0968e+03	1.8985e+03	-2.5073e+04	3.0431e+05	8.1695e+05
464	324	-2.0339e-12	5.2217e+03	-1.9451e+03	1.8316e+04	3.0964e+05	8.3125e+05
	331	2.0339e-12	-5.2217e+03	1.9451e+03	-1.8316e+04	3.0890e+05	8.2926e+05
465	331	-3.7501e-12	5.2018e+03	-1.9377e+03	1.8738e+04	3.0908e+05	8.2975e+05
	319	3.7501e-12	-5.2018e+03	1.9377e+03	-1.8738e+04	3.0710e+05	8.2443e+05
466	319	-2.9189e-11	5.4602e+03	-2.0339e+03	2.3008e+04	3.2325e+05	8.6779e+05
	310	2.9189e-11	-5.4602e+03	2.0339e+03	-2.3008e+04	3.5912e+05	9.6410e+05
467	310	1.8190e-12	6.8251e+03	-2.5423e+03	1.2435e+04	3.9737e+05	1.0668e+06
	329	-1.8190e-12	-6.8251e+03	2.5423e+03	-1.2435e+04	3.8567e+05	1.0354e+06
468	329	1.1643e-10	6.6215e+03	-2.4665e+03	3.3867e+04	3.8683e+05	1.0385e+06
	323	-1.1643e-10	-6.6215e+03	2.4665e+03	-3.3867e+04	3.8519e+05	1.0341e+06
469	323	-1.2002e-10	7.7407e+03	-2.8834e+03	4.1355e+04	4.3180e+05	1.1592e+06
	75	1.2002e-10	-7.7407e+03	2.8834e+03	-4.1355e+04	4.6599e+05	1.2510e+06
564	441	-1.3018e-10	-1.3486e+03	-5.0234e+02	-3.8183e+04	6.6592e+04	-1.7877e+05
	170	1.3018e-10	1.3486e+03	5.0234e+02	3.8183e+04	9.4582e+04	-2.5391e+05
565	459	-1.7465e-10	-1.3673e+03	-5.0930e+02	1.6555e+04	7.5716e+04	-2.0326e+05
	441	1.7465e-10	1.3673e+03	5.0930e+02	-1.6555e+04	8.6425e+04	-2.3202e+05
566	439	-3.6825e-10	-1.7363e+03	-6.4677e+02	2.8815e+04	1.0641e+05	-2.8568e+05
	459	3.6825e-10	1.7363e+03	6.4677e+02	-2.8815e+04	9.9263e+04	-2.6648e+05
567	444	1.1646e-10	-1.0042e+03	-3.7405e+02	-1.1704e+04	6.2200e+04	-1.6698e+05
	439	-1.1646e-10	1.0042e+03	3.7405e+02	1.1704e+04	5.6789e+04	-1.5246e+05
568	423	-1.1644e-10	-1.0307e+03	-3.8393e+02	-1.1954e+04	5.7978e+04	-1.5565e+05
	444	1.1644e-10	1.0307e+03	3.8393e+02	1.1954e+04	6.6840e+04	-1.7944e+05
569	468	1.8199e-12	-1.6697e+03	-6.2196e+02	2.3108e+04	1.0848e+05	-2.9122e+05
	423	-1.8199e-12	1.6697e+03	6.2196e+02	-2.3108e+04	9.6157e+04	-2.5814e+05
570	432	1.6468e-10	-2.0672e+03	-7.7001e+02	3.8626e+04	1.1703e+05	-3.1418e+05
	468	-1.6468e-10	2.0672e+03	7.7001e+02	-3.8626e+04	1.1603e+05	-3.1149e+05
571	84	1.6464e-10	-1.6643e+03	-6.1994e+02	3.6972e+04	1.0551e+05	-2.8325e+05

	432	-1.6464e-10	1.6643e+03	6.1994e+02	-3.6972e+04	8.8157e+04	-2.3666e+05
580	163	5.8696e-11	3.3883e+03	1.2621e+03	3.5387e+04	-2.3189e+05	6.2252e+05
	419	-5.8696e-11	-3.3883e+03	-1.2621e+03	-3.5387e+04	-1.7245e+05	4.6296e+05
581	419	-3.4925e-10	2.6120e+03	9.7295e+02	2.2254e+04	-1.5361e+05	4.1238e+05
	443	3.4925e-10	-2.6120e+03	-9.7295e+02	-2.2254e+04	-1.5581e+05	4.1829e+05
582	443	-1.4211e-14	2.6878e+03	1.0012e+03	1.5628e+04	-1.5840e+05	4.2523e+05
	417	1.4211e-14	-2.6878e+03	-1.0012e+03	-1.5628e+04	-1.5999e+05	4.2949e+05
583	417	1.1656e-10	2.6635e+03	9.9215e+02	1.3935e+04	-1.6028e+05	4.3028e+05
	438	-1.1656e-10	-2.6635e+03	-9.9215e+02	-1.3935e+04	-1.5523e+05	4.1672e+05
584	438	1.1643e-10	2.9419e+03	1.0959e+03	1.8314e+04	-1.6912e+05	4.5403e+05
	448	-1.1643e-10	-2.9419e+03	-1.0959e+03	-1.8314e+04	-1.9854e+05	5.3300e+05
585	448	1.1642e-10	3.5820e+03	1.3343e+03	6.0078e+03	-2.1152e+05	5.6783e+05
	434	-1.1642e-10	-3.5820e+03	-1.3343e+03	-6.0078e+03	-1.9944e+05	5.3541e+05
586	434	1.6467e-10	3.5953e+03	1.3392e+03	3.3017e+04	-2.1024e+05	5.6441e+05
	433	-1.6467e-10	-3.5953e+03	-1.3392e+03	-3.3017e+04	-2.0898e+05	5.6102e+05
587	433	-4.6568e-10	4.3262e+03	1.6115e+03	3.8507e+04	-2.3351e+05	6.2688e+05
	79	4.6568e-10	-4.3262e+03	-1.6115e+03	-3.8507e+04	-2.6828e+05	7.2023e+05
597	441	-1.6078e-13	-7.4135e+02	-2.7615e+02	3.8951e+04	2.9423e+04	-7.8987e+04
	424	1.6078e-13	7.4135e+02	2.7615e+02	-3.8951e+04	2.4034e+04	-6.4521e+04
635	367	8.2325e-11	-2.3348e+03	8.6971e+02	3.3905e+04	-1.2386e+05	-3.3252e+05
	167	-8.2325e-11	2.3348e+03	-8.6971e+02	-3.3905e+04	-1.5484e+05	-4.1569e+05
636	349	1.2000e-10	-2.5160e+03	9.3720e+02	2.2117e+04	-1.4573e+05	-3.9122e+05
	367	-1.2000e-10	2.5160e+03	-9.3720e+02	-2.2117e+04	-1.5234e+05	-4.0897e+05
637	355	-5.8212e-11	-2.9372e+03	1.0941e+03	3.3387e+04	-1.7658e+05	-4.7405e+05
	349	5.8212e-11	2.9372e+03	-1.0941e+03	-3.3387e+04	-1.7134e+05	-4.5998e+05
638	366	2.6031e-10	-2.0758e+03	7.7322e+02	-1.2897e+04	-1.2378e+05	-3.3230e+05
	355	-2.6031e-10	2.0758e+03	-7.7322e+02	1.2897e+04	-1.2210e+05	-3.2780e+05
639	368	-6.5086e-11	-2.0925e+03	7.7946e+02	-9.6819e+03	-1.2490e+05	-3.3531e+05
	366	6.5086e-11	2.0925e+03	-7.7946e+02	9.6819e+03	-1.2842e+05	-3.4476e+05
640	352	-1.1642e-10	-2.8773e+03	1.0718e+03	1.9376e+04	-1.8342e+05	-4.9241e+05
	368	1.1642e-10	2.8773e+03	-1.0718e+03	-1.9376e+04	-1.6919e+05	-4.5421e+05
641	353	5.8213e-11	-3.5200e+03	1.3112e+03	4.5511e+04	-1.9787e+05	-5.3121e+05
	352	-5.8213e-11	3.5200e+03	-1.3112e+03	-4.5511e+04	-1.9879e+05	-5.3367e+05
642	82	2.3465e-10	-2.7485e+03	1.0238e+03	3.6572e+04	-1.6859e+05	-4.5259e+05
	353	-2.3465e-10	2.7485e+03	-1.0238e+03	-3.6572e+04	-1.5039e+05	-4.0374e+05
651	129	-1.7462e-10	5.6320e+03	-2.0979e+03	3.5270e+04	3.6623e+05	9.8318e+05
	380	1.7462e-10	-5.6320e+03	2.0979e+03	-3.5270e+04	3.0584e+05	8.2106e+05
652	380	-1.7462e-10	4.7390e+03	-1.7653e+03	2.4090e+04	2.7950e+05	7.5035e+05
	370	1.7462e-10	-4.7390e+03	1.7653e+03	-2.4090e+04	2.8186e+05	7.5668e+05
653	370	-1.1642e-10	4.7768e+03	-1.7794e+03	1.8060e+04	2.8322e+05	7.6033e+05
	383	1.1642e-10	-4.7768e+03	1.7794e+03	-1.8060e+04	2.8261e+05	7.5870e+05
654	383	-1.1642e-10	4.7839e+03	-1.7820e+03	1.8835e+04	2.8403e+05	7.6251e+05
	371	1.1642e-10	-4.7839e+03	1.7820e+03	-1.8835e+04	2.8265e+05	7.5879e+05
655	371	2.9156e-11	5.0119e+03	-1.8669e+03	2.2557e+04	2.9689e+05	7.9704e+05
	354	-2.9156e-11	-5.0119e+03	1.8669e+03	-2.2557e+04	3.2945e+05	8.8444e+05
656	354	2.3464e-10	6.1903e+03	-2.3059e+03	1.1055e+04	3.6021e+05	9.6700e+05
	385	-2.3464e-10	-6.1903e+03	2.3059e+03	-1.1055e+04	3.5000e+05	9.3961e+05
657	385	1.1642e-10	6.1332e+03	-2.2846e+03	3.2477e+04	3.5825e+05	9.6175e+05
	386	-1.1642e-10	-6.1332e+03	2.2846e+03	-3.2477e+04	3.5684e+05	9.5797e+05
658	386	-1.7462e-10	7.0036e+03	-2.6088e+03	3.9422e+04	3.8990e+05	1.0467e+06

	77	1.7462e-10	-7.0036e+03	2.6088e+03	-3.9422e+04	4.2239e+05	1.1340e+06
Elem	Nodo	Nx	Ny	Nxy	Mx	My	Mxy
28	484	9.7655e-16	1.7564e+01	-4.0048e+00	-1.7028e+02	3.2069e+02	-6.3571e+02
	482	9.7655e-16	3.1007e+01	-2.1531e+00	4.4366e+02	2.2805e+03	-5.2394e+02
	564	-5.4130e+00	3.1007e+01	9.6573e+00	5.4938e+02	-1.8113e+03	1.2922e+03
29	563	1.0834e+00	-7.2595e-01	2.9407e+00	4.4269e+02	-2.7572e+02	2.3514e+02
	484	1.0834e+00	-2.1254e+00	-4.1475e+00	-4.1433e+02	-3.3458e+02	3.2279e+02
	564	1.3972e+01	-7.2595e-01	1.8756e+00	5.2947e+02	6.6744e+02	1.7322e+02
30	563	-7.2595e-01	9.2938e+00	2.4307e+00	-5.3896e+02	1.0104e+02	4.5528e+02
	564	-7.2595e-01	1.7886e+01	1.4658e+00	7.5344e+02	1.0921e+03	-1.0873e+02
	544	-2.1349e+00	1.7886e+01	-4.6416e+00	2.3791e+02	-1.4050e+03	8.1432e+02
31	543	6.1556e-01	4.6450e-01	-2.8229e+00	2.2529e+02	-4.2663e+01	1.9570e+01
	563	6.1556e-01	1.8570e+00	-2.4593e+00	-4.2614e+02	9.6522e+01	-2.1622e+02
	544	8.0971e+00	4.6450e-01	-2.1267e+00	-3.1279e+01	3.6079e+02	1.3918e+02
32	543	4.6450e-01	-3.0265e+00	2.5242e+00	-2.2589e+02	1.1916e+02	1.8546e+02
	544	4.6450e-01	1.0184e+01	2.3493e+00	3.9100e+02	5.8087e+02	-1.3417e+01
	1	1.5256e+00	1.0184e+01	-2.9268e+00	2.3051e+02	4.2222e+02	4.1760e+02
33	58	-1.1976e+00	0.0000e+00	3.0696e+00	2.6204e+02	-3.2810e+01	-1.6811e+02
	543	-1.1976e+00	4.9841e+00	-1.4579e+00	-3.9172e+02	-1.3041e+02	-3.2471e+02
	1	3.4568e+00	0.0000e+00	-1.4246e+00	1.0527e+02	-6.1093e+01	-2.9942e+02
34	523	-1.1375e-01	4.2941e+00	-2.8060e+00	-4.9056e+01	2.4238e+02	-1.1974e+02
	561	-1.1375e-01	-1.0311e+00	-2.7256e+00	-2.3202e+02	-2.1810e+02	5.7915e+01
	541	6.9286e-02	-1.0311e+00	1.9791e+00	-2.8841e+02	2.4752e+02	-8.6003e+01
35	519	5.0703e+00	5.6963e-01	-2.0346e+00	-2.1683e+02	-9.0845e+01	-3.5219e+01
	523	5.0703e+00	-8.9645e-01	2.6928e+00	4.8291e+02	-1.5603e+02	8.7063e+01
	541	1.5149e+00	5.6963e-01	-2.2237e+00	1.1482e+02	-1.9539e+02	-7.5030e+01
36	519	5.6963e-01	2.2451e+00	2.0222e+00	-8.3263e+01	8.6539e+01	-1.0253e+01
	541	5.6963e-01	-1.2932e+00	1.9894e+00	-2.2983e+02	-1.5872e+02	4.2954e+01
	536	2.0261e+00	-1.2932e+00	2.0120e+00	-1.9185e+02	2.4701e+02	-1.0753e+02
37	52	8.9214e+00	0.0000e+00	-1.5140e+00	5.3194e+02	5.9367e+01	1.4052e+02
	519	8.9214e+00	4.9629e+00	5.4832e+00	-2.5563e+02	1.0566e+02	-1.4872e+02
	536	-2.1488e+00	0.0000e+00	-2.9345e+00	2.3675e+02	-5.3932e+01	1.6532e+02
38	523	3.8491e+00	-1.1375e-01	4.6585e+00	2.0165e+02	-1.1181e+02	-1.3829e+02
	161	3.8491e+00	4.9777e-16	-2.5084e+00	-1.0229e+03	-1.9297e+02	1.8115e+02
	486	-6.5020e-01	4.9777e-16	-4.0633e+00	-1.2488e+02	1.9823e+02	2.8218e+02
	561	-6.5020e-01	-1.1375e-01	-1.7243e+00	2.6309e+02	-1.1341e+02	-2.5125e+01
39	560	2.5850e+00	7.1902e-01	-1.5174e+00	-1.0816e+02	8.7167e+01	4.8922e+01
	579	2.5850e+00	-1.2666e-15	5.7616e+00	-1.0451e+02	2.4085e+02	-1.6780e+02
	161	3.8491e+00	-1.2666e-15	1.8968e+00	-8.1338e+02	-2.1888e+02	-1.9829e+02
	523	3.8491e+00	7.1902e-01	-3.4213e+00	3.9696e+02	1.0043e+02	-4.3799e+01
40	540	3.2759e+00	3.4839e-01	-2.4220e+00	2.0943e+02	1.3046e+02	-5.1946e+01
	560	3.2759e+00	7.1902e-01	-2.0896e+00	1.0601e+02	4.8733e+01	-6.6972e+01
	523	5.0703e+00	7.1902e-01	-1.2531e+00	2.8189e+02	1.4719e+02	-4.1102e+01
	519	5.0703e+00	3.4839e-01	-2.6350e+00	-2.1478e+02	-7.7221e+01	3.4892e+01
41	412	2.7498e+00	0.0000e+00	-1.4361e+00	8.4304e+02	5.1420e+01	9.6602e+01
	540	2.7498e+00	3.4839e-01	-2.5752e+00	1.4467e+02	1.3902e+02	2.7860e+01
	519	8.9214e+00	3.4839e-01	-2.8808e+00	2.0923e+02	1.7699e+02	5.8764e+01
	52	8.9214e+00	0.0000e+00	-1.8537e+00	8.6639e+02	-4.7708e+01	1.0709e+02
42	557	4.1702e-01	-3.5359e+00	-2.2173e+00	-4.4948e+02	2.1553e+02	7.2872e+01
	490	-3.2421e+00	3.3819e+00	2.6900e+01	-2.2985e+02	4.1549e+02	-9.3663e+02
	488	5.0258e+01	1.9445e+00	1.7069e+01	-2.8533e+03	-5.9359e+02	-1.0018e+03
	481	4.1477e+01	6.0218e+00	-1.8536e+01	-5.3746e+02	-3.0324e+02	-1.9153e+02
43	480	-2.0519e+01	1.9302e+01	-4.6384e-01	-5.4775e+02	-9.5088e+01	7.0624e+02
	558	-1.6695e+01	1.5157e+01	-5.9755e-01	-3.4146e+02	-3.4800e+02	2.9310e+02
	557	-1.8051e+00	5.9669e+00	-4.5479e+00	-3.2688e+01	-2.7982e+02	4.5080e+01

	481	-4.5559e+00	1.8562e+01	-1.2511e+01	-5.9338e+02	-1.6623e+02	3.9300e+01
44	577	1.7884e+00	-2.7072e+00	-1.4334e+01	-4.0770e+02	2.1681e+02	1.6289e+02
	480	1.5560e+00	-3.8489e+00	-1.2690e+01	-8.9901e+02	4.6487e+02	-4.6234e+02
	481	4.3352e+01	-4.4194e+00	-1.3771e+01	-1.3991e+03	-6.8574e+02	-6.1286e+02
	488	4.3061e+01	-3.2550e+00	-1.5325e+01	-2.4608e+03	-1.2032e+02	-1.3750e+02
45	559	1.8773e+00	5.9875e+00	3.0365e+00	-1.2903e+01	-2.5653e+02	5.1273e+01
	558	1.8773e+00	1.0203e+00	1.4024e+01	-2.5231e+02	-5.4799e+02	-8.4878e+01
	480	1.5844e+00	1.0203e+00	1.8920e+01	9.9652e+01	-1.2027e+03	-2.7089e+02
	472	1.5844e+00	-1.6921e+01	5.2675e+00	-4.0181e+02	-8.1131e+02	-1.5764e+02
46	489	-4.9180e+00	-8.9899e+00	-1.3565e+01	-4.9721e+02	-2.2912e+03	-1.0884e+03
	578	-6.9655e+00	1.1272e+01	-1.6906e+01	5.7097e+00	7.7747e+01	-7.6219e+02
	559	1.3072e+00	3.4578e+00	3.9192e+00	2.1965e+02	-7.4370e+02	-9.6597e+01
	472	2.2466e+00	-5.4233e+01	1.4852e+01	-2.7609e+02	-1.6776e+03	-1.6013e+02
47	577	-6.4669e-15	-1.3704e+00	1.2096e+01	2.2445e+02	-4.5808e+02	6.4571e+02
	489	-6.9104e-15	-4.0864e+01	1.4711e+01	-4.4513e+02	-2.7686e+03	5.4656e+02
	472	1.5844e+00	-4.0284e+01	1.4334e+01	-8.3730e+02	-1.7742e+03	-1.2910e+02
	480	1.5844e+00	-1.3704e+00	1.2005e+01	3.0993e+02	-1.2807e+03	-1.3570e+02
48	24	8.6193e-02	6.7191e-01	-2.6549e+00	-6.0314e+01	-8.1184e+01	-3.8918e+01
	427	8.6193e-02	0.0000e+00	-3.8730e+00	-2.6344e+02	-1.9487e+01	2.0055e+01
	490	2.8621e-01	0.0000e+00	-3.1834e+00	-6.8529e+02	4.2784e+01	-1.3624e+02
	557	2.8621e-01	6.7191e-01	-2.1426e+00	8.0417e+02	2.1261e+02	-1.7640e+02
49	505	3.3017e-01	-8.7323e-02	-3.7534e+00	-2.7971e+01	-1.2665e+01	4.1048e+01
	428	3.3017e-01	0.0000e+00	-4.9517e+00	-2.0984e+02	6.8057e+00	2.3242e+01
	427	8.6193e-02	0.0000e+00	-4.3946e+00	-2.9604e+02	7.1539e+00	-1.5548e+01
	24	8.6193e-02	-8.7323e-02	-3.2032e+00	-1.5664e+01	5.1089e+01	1.3150e+01
50	604	4.5605e+00	-3.4080e+00	-1.8801e+00	5.4925e+01	9.2769e+01	1.1690e+02
	430	3.8875e+00	-4.5686e+00	-3.0502e+00	7.5247e+01	3.9584e+01	4.6139e+01
	428	4.5517e+00	-4.2549e+00	-2.5840e+00	-9.0080e+01	-1.3497e+01	-2.6078e+01
	505	3.8814e+00	-3.5396e+00	-2.1830e+00	-3.2453e+01	8.7133e+01	6.3092e+01
51	603	3.7437e+00	-3.7851e+00	-2.4345e+00	3.3789e+01	-1.4599e+01	6.6834e+01
	583	3.8585e+00	-3.9441e+00	-2.4942e+00	1.7467e+01	5.7221e+01	7.9998e+01
	430	4.2654e+00	-3.9601e+00	-2.3968e+00	1.1657e+02	1.6233e+02	1.5078e+02
	604	4.3797e+00	-3.7037e+00	-2.1849e+00	5.6140e+01	1.3380e+02	5.5864e+01
52	602	-3.4515e+00	3.0845e+00	-2.5565e+00	-1.8495e+01	1.3308e+02	-3.0109e+00
	437	-3.2074e+00	3.4292e+00	-2.9900e+00	2.9864e+01	4.9563e+01	-3.3759e+01
	583	-3.6331e+00	3.5478e+00	-3.0210e+00	3.3202e+01	8.6188e+00	-2.7734e+01
	603	-3.3891e+00	3.3056e+00	-2.8113e+00	3.6035e+01	-4.0464e+01	-5.9399e+01
53	601	-4.9270e+00	4.2002e+00	-9.4767e-02	-3.3056e+01	-6.2557e+01	3.9307e+01
	446	-4.9270e+00	5.0671e+00	-4.9383e-01	2.8093e+01	-1.0033e+02	6.3275e+01
	437	-4.3295e+00	4.7311e+00	-5.8051e-01	1.7796e+01	-5.1037e+01	3.1837e+01
	602	-4.3295e+00	3.8629e+00	-1.9379e-01	2.0122e+01	9.4212e+00	-8.0834e+00
54	600	-3.8902e+00	3.6103e+00	-1.2659e+00	6.8386e+01	-9.2475e+01	2.2761e+01
	455	-4.1848e+00	4.7640e+00	-2.0087e+00	1.7950e+02	4.4022e+01	-7.6729e+01
	446	-4.4983e+00	5.2300e+00	-2.2385e+00	3.3652e+01	-3.8840e+01	-2.8580e+01
	601	-4.7930e+00	3.7989e+00	-1.0927e+00	6.1771e+01	-5.7535e+01	5.8557e+01
55	599	-1.8127e+00	1.8202e+00	-1.6896e+00	8.9064e+01	7.1117e+01	-8.0567e+01
	460	-1.8127e+00	2.8748e+00	-2.7086e+00	4.7408e+02	1.0822e+02	-1.6873e+02
	455	-3.2396e+00	3.2342e+00	-2.7705e+00	3.6395e+02	2.7674e+01	-1.4233e+02
	600	-3.2396e+00	2.1761e+00	-1.7328e+00	1.4386e+02	-6.0496e+01	-3.5597e+01
56	598	-2.3267e+00	-7.6718e-01	1.2546e+00	3.7553e+02	1.3276e+02	-6.4741e+01
	25	-2.7951e+00	3.3827e-01	-7.8183e-01	5.6136e+02	1.3266e+02	-2.4576e+02
	460	-9.0444e-01	1.2032e+00	-2.5131e+00	5.6724e+02	-7.6100e+01	-1.5711e+02
	599	-1.4877e+00	4.2421e-01	-1.0129e+00	1.5929e+02	-5.1483e+01	-6.0685e+01
57	597	4.6209e-01	4.3080e-01	-3.5331e+00	3.3906e+02	7.0830e+01	-1.2644e+01
	24	4.6209e-01	6.7191e-01	-2.6277e+00	1.3639e+02	-7.2825e+01	-3.3319e+01
	557	5.8130e+00	6.7191e-01	-1.7759e+00	7.9518e+02	2.1958e+02	1.2736e+01
	537	5.8130e+00	4.3080e-01	-2.5859e+00	4.0587e+02	5.9865e+01	3.3928e+01

58	596	3.6335e-01	-9.7060e-02	-4.9481e+00	2.9776e+02	-2.3004e+01	1.6287e+01
	505	3.6335e-01	-8.7323e-02	-3.7831e+00	1.1055e+02	-1.5053e+01	3.9589e+01
	24	4.6209e-01	-8.7323e-02	-3.1563e+00	1.6567e+02	7.3925e+01	2.8278e+01
	597	4.6209e-01	-9.7060e-02	-4.2879e+00	3.5352e+02	9.1947e+01	4.7165e+00
59	595	-1.8473e-01	-2.6886e-02	-5.3130e+00	1.1135e+02	-1.5069e+02	2.6643e+01
	604	-1.8473e-01	5.0382e-02	-4.3871e+00	8.1878e+01	-6.3091e+01	8.0042e+01
	505	3.6335e-01	5.0382e-02	-4.3385e+00	7.1546e+01	4.9063e+01	7.8525e+01
	596	3.6335e-01	-2.6886e-02	-5.2643e+00	2.9425e+02	1.3756e+02	2.4915e+01
60	594	-1.9500e-01	1.0224e-01	-4.9089e+00	-1.0260e+02	-5.6083e+01	-1.1200e+01
	603	-1.9500e-01	4.7125e-02	-4.3692e+00	-2.9047e+01	-6.3905e+01	1.6388e+01
	604	-1.8473e-01	4.7125e-02	-4.5982e+00	7.5462e+01	5.0233e+01	4.1338e+01
	595	-1.8473e-01	1.0224e-01	-5.1378e+00	-8.5519e+01	2.3797e+01	1.6006e+01
61	593	3.0564e-01	1.8340e-02	-4.5111e+00	-2.0960e+01	1.4261e+02	-7.8306e+00
	602	3.0564e-01	3.2246e-03	-4.1044e+00	-6.0186e+00	1.0074e+02	-3.1739e+01
	603	-1.9500e-01	3.2246e-03	-4.2579e+00	-1.1838e+01	-9.8876e+01	-2.9088e+01
	594	-1.9500e-01	1.8340e-02	-4.6645e+00	-1.2576e+02	-1.4333e+02	3.9962e+00
62	592	1.7324e-01	-1.2480e-01	-5.2947e+00	-8.2098e+01	3.1960e+01	2.0330e+01
	601	1.7324e-01	-7.4666e-02	-4.6312e+00	-2.6882e+01	-2.8642e+00	3.0037e+01
	602	3.0564e-01	-7.4666e-02	-4.0909e+00	-3.1932e+01	1.6359e+01	-7.1444e+00
	593	3.0564e-01	-1.2480e-01	-4.7544e+00	-2.7998e+01	1.2416e+01	-1.6328e+01
63	591	-7.2163e-01	3.9258e-02	-4.8351e+00	-4.8354e+02	-1.2194e+02	3.1116e+01
	600	-7.2163e-01	-1.5243e-02	-3.9539e+00	-7.9699e+01	-6.4365e+01	9.3721e+01
	601	1.7324e-01	-1.5243e-02	-4.4416e+00	-6.3338e+01	7.8494e+01	8.3618e+01
	592	1.7324e-01	3.9258e-02	-5.3230e+00	-1.5538e+02	1.4426e+02	2.0887e+01
64	590	-6.4018e-01	1.0223e-01	-2.9380e+00	-7.1555e+02	-3.5986e+01	2.2398e+01
	599	-6.4018e-01	-1.4123e-01	-2.1184e+00	-1.9652e+02	-6.5440e+01	3.0552e+01
	600	-7.2163e-01	-1.4123e-01	-3.2023e+00	-1.9006e+02	-4.5277e+01	4.1768e+01
	591	-7.2163e-01	1.0223e-01	-4.0244e+00	-5.4991e+02	-2.2488e+01	1.5975e+01
65	589	-2.5582e+00	-3.2338e-01	-9.9828e-01	-7.7548e+02	6.1048e+01	4.4580e+01
	598	-2.5582e+00	-2.9989e-01	-2.7852e-01	-4.2589e+02	1.0227e+02	1.0244e+01
	599	-6.4018e-01	-2.9989e-01	-1.0024e+00	-2.9856e+02	-7.3447e+01	-3.4503e+01
	590	-6.4018e-01	-3.2338e-01	-2.1334e+00	-7.5351e+02	-6.8466e+01	-6.7456e+01
66	415	9.5558e-01	0.0000e+00	-2.2238e+00	9.5238e+02	3.9571e+01	1.5056e+02
	597	9.5558e-01	4.3080e-01	-3.2568e+00	4.2624e+02	8.9495e+01	-1.5741e+01
	537	2.2652e+00	4.3080e-01	-3.0713e+00	-2.2658e+02	-2.1794e+01	1.0807e+02
	53	2.2652e+00	0.0000e+00	-1.9932e+00	3.8908e+02	-2.4133e+01	2.6367e+02
67	418	6.0284e-01	0.0000e+00	-3.7654e+00	7.6774e+02	-1.6168e+01	-1.1066e+02
	596	6.0284e-01	-9.7060e-02	-5.2495e+00	4.3375e+02	-2.6484e+01	-3.9339e+01
	597	9.5558e-01	-9.7060e-02	-3.9258e+00	5.1758e+02	9.5577e+01	4.7325e+01
	415	9.5558e-01	0.0000e+00	-2.5181e+00	1.0684e+03	2.3519e+01	-2.9305e+01
68	425	3.6965e-01	-3.8233e-29	-3.6916e+00	-1.8880e+02	-8.1250e+01	-2.0938e+02
	595	3.6965e-01	-2.6886e-02	-5.4287e+00	1.3533e+02	-1.7628e+02	1.4484e+01
	596	6.0284e-01	-2.6886e-02	-5.5687e+00	2.7038e+02	1.7374e+02	9.4607e+00
	418	6.0284e-01	-3.5458e-29	-3.8281e+00	5.8968e+02	7.6796e+01	-2.0732e+02
69	450	-1.7837e-01	-2.4038e-29	-3.8818e+00	-4.3214e+02	-1.4827e+01	-5.0518e+01
	594	-1.7837e-01	1.0224e-01	-4.9750e+00	-1.6665e+02	-5.6008e+01	1.2166e+01
	595	3.6965e-01	1.0224e-01	-5.2534e+00	-1.1327e+02	2.0500e+01	-4.0794e+01
	425	3.6965e-01	-2.5761e-29	-4.1600e+00	-2.9762e+02	1.0923e+01	-9.0877e+01
70	451	6.8170e-02	0.0000e+00	-3.7074e+00	8.5589e+01	4.4417e+01	1.0666e+02
	593	6.8170e-02	1.8340e-02	-4.4940e+00	-3.4215e+01	1.4801e+02	-1.7417e+01
	594	-1.7837e-01	1.8340e-02	-4.7305e+00	-1.3356e+02	-1.5274e+02	-2.5538e+01
	450	-1.7837e-01	0.0000e+00	-3.9438e+00	-3.8303e+02	-4.3289e+01	1.0096e+02
71	454	-1.7569e-01	0.0000e+00	-4.2981e+00	1.7864e+02	3.6811e+00	-5.2875e+01
	592	-1.7569e-01	-1.2480e-01	-5.4686e+00	-4.3478e+01	3.4148e+01	-4.4632e+01
	593	6.8170e-02	-1.2480e-01	-4.7370e+00	-3.7551e+01	1.1883e+01	9.4466e+00
	451	6.8170e-02	0.0000e+00	-3.5703e+00	1.8335e+02	3.5449e+00	-8.0078e+00
72	457	-1.0713e+00	7.3851e-15	-3.5859e+00	-1.0021e+03	-5.1920e+01	-2.3115e+02

	591	-1.0713e+00	3.9258e-02	-4.9232e+00	-5.2133e+02	-1.4361e+02	-1.7693e+01
	592	-1.7569e-01	3.9258e-02	-5.4971e+00	-2.0901e+02	1.5529e+02	-9.5533e+00
	454	-1.7569e-01	8.5717e-15	-4.1598e+00	-1.4794e+02	5.8596e+01	-2.2393e+02
73	462	-1.5667e+00	-1.0545e-29	-1.7028e+00	-1.5676e+03	-9.9681e+00	-7.8166e+01
	590	-1.5667e+00	1.0223e-01	-2.7115e+00	-9.0797e+02	-3.2739e+01	3.6300e+01
	591	-1.0713e+00	1.0223e-01	-4.1124e+00	-7.8437e+02	-2.3306e+01	-6.0544e+01
	457	-1.0713e+00	-1.9137e-29	-3.0904e+00	-1.3397e+03	1.2871e+01	-1.2292e+02
74	414	-4.5242e+00	1.2162e-15	-3.1134e-01	-1.2748e+03	2.6208e+01	7.8218e+01
	589	-4.5242e+00	-3.2338e-01	-1.4816e+00	-8.9185e+02	5.6720e+01	5.8888e+01
	590	-1.5667e+00	-3.2338e-01	-1.9021e+00	-9.5738e+02	-8.4895e+01	-8.9094e+01
	462	-1.5667e+00	2.3021e-15	-5.9945e-01	-1.5502e+03	-2.1965e+01	6.1040e+01
75	575	-1.8953e+00	4.8568e-01	1.0080e+00	-4.3237e+01	-4.0680e+01	-1.0718e+01
	410	-1.3146e+00	1.2094e+00	2.4780e+00	3.3340e+02	-2.2503e+01	6.6428e+01
	471	-1.0878e+00	4.5499e-01	8.6426e-01	4.0275e+02	2.0422e+01	8.8711e+01
	576	-5.0909e-01	-2.0002e-01	-3.2433e-01	-1.1450e+02	-1.3765e+01	-4.3499e+01
76	574	-3.3490e+00	2.1174e+00	1.6360e+00	-2.0213e+01	-4.5256e+01	-2.7796e+01
	408	-3.3490e+00	3.1568e+00	2.6612e+00	2.2055e+02	-9.6800e+00	7.0209e+01
	410	-2.1980e+00	2.8113e+00	2.5504e+00	2.1703e+02	3.6776e+01	6.4734e+01
	575	-2.1980e+00	1.7723e+00	1.5257e+00	-8.8837e+01	-1.2554e+01	-5.7873e+01
77	573	-5.6548e+00	3.9001e+00	-1.1811e-01	4.0210e+01	-5.2458e+01	-7.6839e+00
	405	-5.2605e+00	5.6375e+00	1.0986e+00	1.1114e+02	-2.3735e+01	4.3865e+01
	408	-4.5568e+00	4.9773e+00	1.0071e+00	1.3690e+02	2.4934e+01	5.8565e+01
	574	-4.1626e+00	3.7972e+00	4.6416e-01	-3.0814e+01	-6.3045e+01	-5.9573e+01
78	572	-4.9761e+00	4.7568e+00	2.3361e+00	1.2568e+01	-4.0395e+01	-3.6303e+01
	585	-5.5716e+00	5.3687e+00	2.6294e+00	1.7419e+01	-1.3790e+01	4.1445e+00
	405	-4.4158e+00	5.5587e+00	3.1401e+00	7.6493e+01	2.8160e+01	2.4284e+01
	573	-5.0111e+00	4.4806e+00	2.1015e+00	8.9907e+00	-1.7129e+01	-2.9620e+01
79	571	4.8976e+00	-4.3357e+00	3.5800e+00	-3.7517e+01	6.8438e+01	-1.2945e+01
	404	4.4714e+00	-4.9353e+00	4.3363e+00	-2.5867e+01	5.8331e+01	-4.5833e+01
	585	4.5744e+00	-4.7774e+00	4.1410e+00	-2.5211e+01	3.0313e+01	-3.9187e+01
	572	4.1481e+00	-4.3560e+00	3.7745e+00	-8.4097e+01	-1.3192e+01	-9.5656e+00
80	570	5.9610e+00	-5.5561e+00	1.6640e+00	-2.8523e+01	3.9362e+01	-1.8191e+01
	403	6.1301e+00	-6.4413e+00	2.2079e+00	-6.3537e+01	1.5650e+01	1.4786e+01
	404	5.7420e+00	-6.4517e+00	2.3561e+00	-3.5242e+01	2.6112e+01	-9.2882e+00
	571	5.9114e+00	-5.3860e+00	1.5661e+00	-4.3381e+01	2.2843e+01	-1.1660e+01
81	569	4.7916e+00	-4.4461e+00	3.2988e+00	2.5956e+01	3.9843e+01	-1.5429e+01
	402	4.8377e+00	-5.2271e+00	4.0651e+00	-9.7864e+01	5.6835e+00	2.3191e+01
	403	5.0535e+00	-5.3959e+00	4.1816e+00	-8.7243e+01	1.8267e+01	1.4203e+01
	570	5.0997e+00	-4.5907e+00	3.3688e+00	-4.5225e+01	1.5365e+01	-1.7090e+01
82	568	2.3467e+00	-2.2724e+00	4.5512e+00	3.4401e+01	5.3223e+00	1.5637e+01
	401	2.7063e+00	-2.5777e+00	5.2928e+00	-1.8190e+02	-1.7443e+01	6.2907e+01
	402	2.5790e+00	-2.7084e+00	5.5916e+00	-1.4170e+02	4.8787e+00	3.3493e+01
	569	2.9434e+00	-2.3683e+00	4.6890e+00	3.2547e+01	2.1158e+01	-5.3689e+00
83	567	9.3025e-01	-4.4943e-02	3.7964e+00	2.6384e+02	-5.7915e+01	4.8414e+01
	470	9.3025e-01	-3.6097e-15	4.7658e+00	-2.4381e+02	-4.0401e+00	2.5147e+01
	401	1.4526e-01	-2.6054e-15	5.6792e+00	-1.8006e+02	5.2314e+00	4.2991e+01
	568	1.4526e-01	-4.4943e-02	4.7001e+00	2.6270e+01	4.6473e+01	6.9841e+01
84	566	5.5000e+00	1.9851e-01	3.3206e+00	-1.9458e+01	1.5842e+02	7.7678e+01
	581	5.5000e+00	2.9226e-16	7.7664e+00	1.8358e+02	1.7303e+01	2.7482e+01
	470	9.3025e-01	2.9226e-16	5.8007e+00	3.7524e+02	-2.3642e+01	-3.2261e+01
	567	9.3025e-01	1.9851e-01	1.5420e+00	-4.4128e+02	-1.2109e+02	2.5347e+01
85	565	-1.8856e+01	-1.4464e+00	-9.2531e+00	-1.0665e+03	-3.3832e+02	-3.7853e+02
	483	-1.0733e+01	5.5883e+00	9.3905e+00	-1.7321e+03	9.8007e+01	-4.5539e+01
	581	-3.3150e+00	8.8134e+00	1.6562e+01	-3.3963e+02	2.8957e+02	2.3948e+02
	566	4.8416e+00	2.6293e+00	1.6865e+00	-1.4350e+02	3.0085e+02	-2.2990e+02
86	564	3.6369e+01	-1.6979e+00	-6.1431e+00	7.3439e+02	8.3082e+02	-6.8980e+01
	482	3.2979e+01	-1.9808e+00	5.8280e-01	-8.8532e+02	-1.0814e+02	-7.3702e+02

	483	-1.7704e+01	-2.3634e+00	-6.8390e+00	-1.5695e+03	-7.5348e+02	-9.1187e+02
	565	-2.1078e+01	-2.0212e+00	-1.4206e+01	-6.1465e+02	-1.1382e+03	-3.8200e+01
87	562	2.7686e-01	-7.2371e-01	-2.2997e+00	1.4893e+02	1.4972e+02	-3.7874e+01
	580	2.7686e-01	2.8366e-16	-2.9556e+00	1.3473e+02	-2.2539e+01	1.3206e+02
	484	1.0834e+00	2.8366e-16	3.2473e+00	1.0191e+03	-1.8234e+01	2.2994e+02
	563	1.0834e+00	-7.2371e-01	2.5553e+00	-2.1019e+02	-2.5442e+02	1.3453e+02
88	561	-6.5020e-01	-2.6546e-01	-1.7549e+00	-2.0842e+02	-7.4215e+01	5.8175e+01
	486	-6.5020e-01	4.2890e-15	-2.0666e+00	2.3264e+02	-9.1196e+00	5.4065e+01
	580	2.7686e-01	3.2029e-15	-2.4983e+00	3.6731e+01	-8.5484e+00	5.1205e+01
	562	2.7686e-01	-2.6546e-01	-2.1621e+00	1.3926e+01	7.6116e+01	5.6226e+01
89	559	4.3540e+00	5.1524e-01	-2.1418e+00	-2.8509e+02	2.1172e+02	1.4707e+02
	578	4.3540e+00	1.4507e-16	-3.5922e+00	-6.4706e+01	2.8713e+01	1.7773e+02
	579	2.5850e+00	1.4507e-16	-3.2756e+00	-1.1462e+02	6.2927e+00	4.0327e+01
	560	2.5850e+00	5.1524e-01	-1.6100e+00	-1.0415e+02	-5.0362e+01	1.6526e+01
90	555	-6.3851e-01	-3.5412e-01	2.7105e+00	-8.1887e+02	-2.3060e+01	1.0053e+01
	575	-6.3851e-01	-7.4564e-02	1.1607e+00	-3.2899e+02	-3.0280e+01	7.2523e+00
	576	-1.8056e+00	-7.4564e-02	-6.6158e-02	-3.0850e+02	-1.2418e+01	-1.7918e+01
	556	-1.8056e+00	-3.5412e-01	1.4965e+00	-8.5222e+02	1.9501e+01	-1.6287e+01
91	554	-7.4063e-01	-1.0373e-01	4.0513e+00	-6.7394e+02	9.4308e+00	8.0302e+00
	574	-7.4063e-01	-7.9662e-02	3.1727e+00	-2.8638e+02	-6.0983e+00	-1.5935e+01
	575	-6.3851e-01	-7.9662e-02	2.2355e+00	-2.9529e+02	-1.6666e+01	-3.2290e+01
	555	-6.3851e-01	-1.0373e-01	3.1137e+00	-7.8995e+02	-1.9719e+01	-1.0940e+01
92	553	-5.6499e-01	5.1390e-02	5.2127e+00	-4.6830e+02	2.4777e+01	9.1864e+00
	573	-5.6499e-01	1.3300e-02	4.5022e+00	-2.2933e+02	3.2359e+00	-2.4179e+01
	574	-7.4063e-01	1.3300e-02	4.0135e+00	-2.2716e+02	-1.8480e+01	-3.9457e+01
	554	-7.4063e-01	5.1390e-02	4.7240e+00	-6.3002e+02	-2.8225e+01	-7.8072e+00
93	552	-3.0150e-01	5.7723e-03	6.1495e+00	-2.7113e+02	2.3643e+01	3.4378e+00
	572	-3.0150e-01	-1.6546e-02	5.3818e+00	-1.1789e+02	1.3313e+01	-3.3999e+01
	573	-5.6499e-01	-1.6546e-02	5.0102e+00	-1.5267e+02	-4.7612e+00	-3.9031e+01
	553	-5.6499e-01	5.7723e-03	5.7778e+00	-4.1974e+02	-1.0918e+01	-5.2819e+00
94	551	-2.5854e-01	-5.7040e-03	6.6372e+00	-9.6383e+01	2.5128e+01	4.2130e+00
	571	-2.5854e-01	-5.2780e-03	5.8502e+00	-5.7719e+01	3.6521e+01	-2.6820e+01
	572	-3.0150e-01	-5.2780e-03	5.6693e+00	-7.9090e+01	-3.5956e+01	-3.2478e+01
	552	-3.0150e-01	-5.7040e-03	6.4561e+00	-2.0324e+02	-1.9749e+01	5.0451e+00
95	550	1.3645e-01	-5.1727e-03	6.8535e+00	1.1743e+02	1.6577e+01	3.1179e+00
	570	1.3645e-01	4.5774e-03	5.9268e+00	3.4480e+01	1.4199e+01	-2.9258e+01
	571	-2.5854e-01	4.5774e-03	5.8750e+00	3.3208e+01	-1.5671e+01	-3.0981e+01
	551	-2.5854e-01	-5.1727e-03	6.8017e+00	4.6050e+01	-1.6898e+01	4.6065e+00
96	549	4.0066e-01	1.3026e-02	6.6138e+00	2.7974e+02	4.2747e+01	3.1330e+00
	569	4.0066e-01	7.8027e-03	5.6374e+00	9.6500e+01	3.6020e+01	-2.6705e+01
	570	1.3645e-01	7.8027e-03	5.8321e+00	7.7071e+01	-1.6178e+01	-2.3693e+01
	550	1.3645e-01	1.3026e-02	6.8090e+00	1.6369e+02	-2.5206e+01	4.1787e+00
97	548	5.3769e-01	-6.4357e-02	6.0837e+00	2.9693e+02	4.5702e+01	3.7376e+00
	568	5.3769e-01	-5.9551e-02	5.0778e+00	1.0829e+02	2.3963e+01	6.1760e+00
	569	4.0066e-01	-5.9551e-02	5.3263e+00	1.1160e+02	1.6867e+01	7.9345e+00
	549	4.0066e-01	-6.4357e-02	6.3379e+00	2.9659e+02	7.1234e+00	-5.1571e+00
98	547	-5.4537e-01	-1.1212e-01	4.8881e+00	1.6927e+02	-1.1547e+02	3.8443e+00
	567	-5.4537e-01	-4.4943e-02	3.7341e+00	-2.1379e+02	-8.2121e+01	6.4237e+01
	568	5.3769e-01	-4.4943e-02	4.6750e+00	5.7379e+01	7.9607e+01	7.0948e+01
	548	5.3769e-01	-1.1212e-01	5.8399e+00	2.5769e+02	1.0717e+02	1.0026e+01
99	546	1.2218e+00	-4.5004e-01	7.8987e+00	1.3805e+02	1.4711e+02	-6.9277e+00
	566	1.2218e+00	1.9851e-01	4.0588e+00	-7.4921e+01	1.3145e+02	-2.2094e+01
	567	-5.4537e-01	1.9851e-01	1.2158e+00	4.4911e+02	-1.2138e+02	3.4366e+01
	547	-5.4537e-01	-4.5004e-01	4.6881e+00	-3.7941e+02	-1.6650e+02	2.5695e+01
100	545	-5.8182e+00	1.5144e+00	2.3197e+00	7.1454e+01	-5.7932e+01	-1.5916e+02
	565	-5.8182e+00	1.9598e+00	-2.9726e+00	-1.6323e+02	-2.2977e+02	-1.2507e+02
	566	1.2218e+00	1.9598e+00	1.7086e+00	-3.7238e+01	3.0686e+02	-8.4456e+01

	546	1.2218e+00	1.5144e+00	6.9198e+00	6.5328e+01	9.6825e+01	-1.1872e+02
101	544	1.7886e+01	2.7047e+00	-5.0186e+00	4.8077e+02	4.4852e+02	1.7327e+02
	564	1.7886e+01	3.7088e+00	-1.1019e+01	2.0063e+02	7.8214e+02	4.3878e+01
	565	-5.8182e+00	3.7088e+00	-7.3479e+00	-4.3751e+02	-8.2892e+02	-3.9505e+01
	545	-5.8182e+00	2.7047e+00	-1.3835e+00	2.9241e+02	-4.5191e+02	1.1486e+02
102	542	8.6013e-01	-5.4254e-01	-2.5790e+00	3.3762e+02	1.7790e+02	2.2343e+01
	562	8.6013e-01	-7.2371e-01	-2.3265e+00	2.2836e+02	1.6503e+02	-2.8941e+01
	563	6.1556e-01	-7.2371e-01	2.2381e+00	5.1805e+02	-2.9716e+02	-7.4049e+01
	543	6.1556e-01	-5.4254e-01	2.4525e+00	1.2045e+02	-2.7449e+02	-7.3660e+01
103	541	-1.0311e+00	-3.0807e-01	-2.0001e+00	2.6922e+02	-1.1948e+02	-5.3139e+00
	561	-1.0311e+00	-2.6546e-01	-1.6923e+00	2.4606e+02	-7.6494e+01	1.3211e+01
	562	8.6013e-01	-2.6546e-01	-2.1413e+00	1.4543e+02	7.0342e+01	1.5106e+01
	542	8.6013e-01	-3.0807e-01	-2.5016e+00	3.1428e+02	1.1528e+02	4.0972e+00
104	539	-1.9738e+00	9.0712e-01	-3.9045e+00	1.7408e+02	9.0759e+01	-9.2834e+01
	559	-1.9738e+00	5.1524e-01	-2.3642e+00	-4.9466e+01	2.2949e+02	-6.8022e+01
	560	3.2759e+00	5.1524e-01	-2.8665e+00	2.9921e+01	-3.9731e+01	-2.1441e+01
	540	3.2759e+00	9.0712e-01	-2.7009e+00	2.1495e+02	5.8774e+01	-4.2632e+01
105	538	1.2904e+00	9.7747e-01	-1.2129e+01	1.3351e+02	-1.6530e+02	-3.0024e+01
	558	1.2904e+00	1.8773e+00	-1.1794e+01	-4.8275e+02	-2.5191e+02	4.0970e+01
	559	-1.9738e+00	1.8773e+00	-2.3262e+00	-3.3075e+02	3.2513e+01	-4.9967e+01
	539	-1.9738e+00	9.7747e-01	-2.9056e+00	3.0574e+02	2.4206e+01	-1.2023e+02
106	537	5.8130e+00	-9.9136e-01	-2.9641e+00	-2.4340e+02	-3.4008e+02	1.1101e+02
	557	5.8130e+00	-1.8099e+00	-3.3266e+00	2.0782e+02	-1.7206e+02	7.5385e+01
	558	1.2904e+00	-1.8099e+00	-1.3649e+01	-3.7030e+02	-1.0050e+02	8.9077e+01
	538	1.2904e+00	-9.9136e-01	-1.2584e+01	6.2561e+01	1.5338e+02	1.1213e+02
107	411	-2.2424e+00	-6.5763e-16	-1.1801e-01	-1.5536e+03	7.2452e+00	5.1963e+01
	555	-2.2424e+00	-3.5412e-01	2.4563e+00	-1.0064e+03	-2.8931e+01	3.3186e+01
	556	-5.2010e+00	-3.5412e-01	2.2882e+00	-1.0348e+03	-1.1744e+01	1.1794e+01
	61	-5.2010e+00	-1.3375e-15	-2.8942e-01	-1.6018e+03	-5.0965e+00	2.2197e+01
108	409	-1.2210e+00	-6.5751e-15	3.1934e+00	-1.2662e+03	1.3817e+01	9.7110e+01
	554	-1.2210e+00	-1.0373e-01	4.1164e+00	-8.3710e+02	7.7860e+00	4.2491e+01
	555	-2.2424e+00	-1.0373e-01	2.8597e+00	-9.3453e+02	-2.9950e+01	1.0695e+01
	411	-2.2424e+00	-3.9785e-15	1.9370e+00	-1.4701e+03	-9.5228e+00	6.1294e+01
109	187	-8.2678e-01	0.0000e+00	4.2205e+00	-8.5323e+02	2.1867e+01	1.2412e+02
	553	-8.2678e-01	5.1390e-02	5.3037e+00	-5.9789e+02	2.5671e+01	4.5001e+01
	554	-1.2210e+00	5.1390e-02	4.7891e+00	-7.1566e+02	-4.0319e+01	2.1938e+01
	409	-1.2210e+00	0.0000e+00	3.7060e+00	-1.1226e+03	-1.7067e+01	1.0054e+02
110	407	-4.2451e-01	-9.9066e-15	4.9408e+00	-4.7195e+02	1.7598e+01	1.0627e+02
	552	-4.2451e-01	5.7723e-03	6.2514e+00	-3.2809e+02	2.3668e+01	3.6536e+01
	553	-8.2678e-01	5.7723e-03	5.8688e+00	-4.6013e+02	-2.0545e+01	3.4180e+01
	187	-8.2678e-01	-9.1143e-15	4.5585e+00	-7.0398e+02	-1.2697e+01	1.0391e+02
111	406	-3.1859e-01	1.0721e-14	5.2597e+00	-1.6437e+02	1.6361e+01	9.3400e+01
	551	-3.1859e-01	-5.7040e-03	6.7686e+00	-1.2290e+02	2.5398e+01	3.2554e+01
	552	-4.2451e-01	-5.7040e-03	6.5580e+00	-2.2743e+02	-2.3747e+01	3.1750e+01
	407	-4.2451e-01	1.0286e-14	5.0495e+00	-3.3131e+02	-1.4027e+01	9.2631e+01
112	186	2.6047e-01	1.7823e-32	5.4047e+00	2.0207e+02	1.1733e+01	8.7553e+01
	550	2.6047e-01	-5.1727e-03	6.9155e+00	1.1517e+02	2.0480e+01	2.9308e+01
	551	-3.1859e-01	-5.1727e-03	6.9333e+00	4.8581e+01	-1.8950e+01	3.2171e+01
	406	-3.1859e-01	1.7883e-32	5.4232e+00	6.1034e+01	-1.2180e+01	9.0373e+01
113	400	6.5083e-01	-2.0861e-32	5.1839e+00	5.6539e+02	1.5502e+01	6.8480e+01
	549	6.5083e-01	1.3026e-02	6.7679e+00	3.2196e+02	4.6484e+01	8.3342e+00
	550	2.6047e-01	1.3026e-02	6.8711e+00	2.2809e+02	-2.6852e+01	3.3464e+01
	186	2.6047e-01	-2.1299e-32	5.2870e+00	3.3880e+02	-1.4624e+01	9.3627e+01
114	399	1.1483e+00	-1.4949e-32	4.5727e+00	7.6806e+02	1.0096e+01	-1.6285e+01
	548	1.1483e+00	-6.4357e-02	6.1596e+00	3.7643e+02	5.2278e+01	-3.7335e+01
	549	6.5083e-01	-6.4357e-02	6.4917e+00	3.8491e+02	6.6827e+00	2.0429e+01
	400	6.5083e-01	-1.6348e-32	4.9032e+00	6.5652e+02	-7.3945e+00	4.3511e+01

115	60	3.6800e-01	6.0823e-16	3.2343e+00	5.3705e+02	-3.2042e+01	-1.2216e+02
	547	3.6800e-01	-1.1212e-01	5.0769e+00	-1.1518e+02	-1.1291e+02	-2.2789e+01
	548	1.1483e+00	-1.1212e-01	5.9178e+00	3.0051e+02	1.1810e+02	2.6146e+00
	399	1.1483e+00	6.8970e-16	4.0660e+00	6.7334e+02	2.3871e+01	-1.0306e+02
116	91	1.1210e+00	0.0000e+00	4.2975e+00	2.6069e+02	4.3691e+01	9.6971e+01
	546	1.1210e+00	-4.5004e-01	7.2568e+00	8.2607e+01	1.2988e+02	1.2099e+01
	547	3.6800e-01	-4.5004e-01	5.0218e+00	3.0558e+02	-1.6421e+02	-2.9935e+01
	60	3.6800e-01	0.0000e+00	2.1198e+00	-3.8860e+02	-4.5606e+01	6.4596e+01
117	168	1.8997e+00	0.0000e+00	-3.3147e+00	8.4890e+02	4.0619e+01	5.9992e+01
	545	1.8997e+00	1.5144e+00	-6.7190e-01	5.5789e+02	2.0299e+01	-1.2788e+02
	546	1.1210e+00	1.5144e+00	6.2713e+00	2.4085e+02	2.5037e+01	-9.4543e+01
	91	1.1210e+00	0.0000e+00	3.1143e+00	4.2965e+02	-4.0985e+01	8.9221e+01
118	1	1.0184e+01	-4.6119e-15	-4.4856e+00	6.4612e+02	-2.1096e+01	-2.7868e+01
	544	1.0184e+01	2.7047e+00	-2.3991e+00	3.0733e+02	3.4123e+02	7.7784e+01
	545	1.8997e+00	2.7047e+00	-3.7439e+00	3.5366e+02	-3.1428e+02	1.1419e+02
	168	1.8997e+00	-6.1269e-15	-5.9259e+00	1.0234e+03	-1.9498e+01	-4.2441e+01
119	421	2.5977e+00	-7.7785e-31	2.6297e+00	7.6662e+02	3.7838e+01	7.6375e+01
	542	2.5977e+00	-5.4254e-01	-2.5854e+00	4.1308e+02	1.7765e+02	-4.7217e+01
	543	-1.1976e+00	-5.4254e-01	2.2584e+00	4.2597e+02	-2.4995e+02	-1.3106e+02
	58	-1.1976e+00	-7.9505e-31	2.4447e+00	1.9775e+02	-5.5150e+01	6.0237e+01
120	536	-1.2932e+00	3.5586e-15	-1.7332e+00	3.5524e+02	-4.8069e+01	-1.4091e+02
	541	-1.2932e+00	-3.0807e-01	-1.9958e+00	2.1571e+02	-1.3515e+02	1.9809e+01
	542	2.5977e+00	-3.0807e-01	-2.5114e+00	3.8950e+02	1.3705e+02	1.8525e+01
	421	2.5977e+00	3.9009e-15	-1.9073e+00	7.6705e+02	4.2662e+01	-1.2780e+02
121	398	9.8998e-01	1.1398e-31	-1.7582e+00	7.6315e+02	1.5410e+01	-7.6525e+01
	539	9.8998e-01	9.0712e-01	-2.7847e+00	4.2096e+02	7.4285e+01	-1.0365e+02
	540	2.7498e+00	9.0712e-01	-2.6279e+00	3.2895e+02	5.2631e+01	3.5400e+01
	412	2.7498e+00	1.4608e-31	-1.2119e+00	7.3520e+02	5.0390e+00	5.3477e+01
122	413	2.8184e+00	-1.5888e-14	-7.6661e+00	1.0152e+03	-2.0205e+01	-4.7288e+01
	538	2.8184e+00	9.7747e-01	-9.9382e+00	3.2812e+02	-9.5635e+01	-6.2021e+01
	539	9.8998e-01	9.7747e-01	-3.6156e+00	3.1448e+02	3.0105e+01	-9.7773e+01
	398	9.8998e-01	-2.8528e-15	-1.3759e+00	9.6008e+02	-1.2862e+01	-8.2855e+01
123	53	2.2652e+00	6.8793e-31	-3.2609e+00	-1.8275e+02	-1.0744e+02	-2.7490e+01
	537	2.2652e+00	-9.9136e-01	-4.6886e+00	2.0898e+02	-3.5513e+02	2.0699e+02
	538	2.8184e+00	-9.9136e-01	-1.0377e+01	3.0434e+02	2.0588e+02	9.5502e+01
	413	2.8184e+00	1.6032e-30	-8.9796e+00	8.1410e+02	6.5756e+01	-1.3961e+02
251	394	-6.3381e-01	-7.3602e-01	1.6363e+00	-1.2015e+03	3.5417e+02	4.1052e+01
	397	-6.3381e-01	3.1470e-16	-4.6474e+00	-4.4041e+02	6.3592e+02	-1.0273e+03
	504	-6.1948e+00	3.1470e-16	-2.5007e+00	-3.4035e+03	-5.3129e+02	-1.0539e+03
	395	-6.1948e+00	-7.3602e-01	5.2470e+00	-7.0614e+02	-2.0355e+02	1.6845e+01
252	393	1.3971e+00	-1.4762e+00	3.2591e+00	-7.3161e+02	3.1782e+02	1.3253e+02
	396	1.3971e+00	6.1597e-15	3.0412e+00	-1.7952e+02	5.1704e+01	7.3550e+01
	397	-6.3381e-01	1.2566e-15	-5.5358e-01	-1.7587e+02	1.9091e+01	-2.6978e+02
	394	-6.3381e-01	-1.4762e+00	7.0197e-01	-8.7808e+02	3.3819e+02	-2.0762e+02
253	392	-2.0970e+01	-1.5849e+00	-1.0766e+00	-5.4289e+02	-1.2800e+02	-2.0052e+01
	503	-2.0970e+01	-2.2715e-15	9.7087e+00	-2.3300e+03	-3.5302e+02	6.8217e+02
	396	1.3971e+00	-2.2715e-15	1.1021e+01	-3.1901e+02	4.3075e+02	6.2912e+02
	393	1.3971e+00	-1.5849e+00	1.2401e+00	-9.3386e+02	2.9762e+02	-7.1990e+01
254	389	-2.2113e+00	-1.5199e+00	3.1002e+00	-4.2211e+02	1.0982e+02	1.6080e+02
	394	-2.2113e+00	-7.3602e-01	4.3826e+00	-7.8177e+02	1.1028e+02	1.1084e+02
	395	-5.3482e+00	-7.3602e-01	1.6496e+00	-9.0388e+02	1.5332e+02	1.9550e+02
	391	-5.3482e+00	-1.5199e+00	-6.0117e-01	-4.1721e+02	7.9022e+00	2.4557e+02
255	379	-3.5012e+00	-3.1532e+00	3.7825e+00	-4.4690e+02	2.0132e+02	-4.3308e+01
	393	-3.5012e+00	-1.4762e+00	3.1164e+00	-6.0572e+02	3.1526e+02	-8.8755e+01
	394	-2.2113e+00	-1.4762e+00	3.2838e+00	-6.7178e+02	3.5671e+02	9.6141e+01
	389	-2.2113e+00	-3.1532e+00	3.9473e+00	-4.8553e+02	1.5298e+02	1.4096e+02
256	377	-9.1589e+00	-9.3033e-01	2.2288e+00	-3.6271e+02	4.1872e+00	-1.4853e+02

	392	-9.1589e+00	-1.5849e+00	-1.0840e+00	-6.7955e+02	1.1651e+02	-1.4730e+02
	393	-3.5012e+00	-1.5849e+00	1.3134e+00	-6.6623e+02	1.3389e+02	-7.8228e+01
	379	-3.5012e+00	-9.3033e-01	4.3357e+00	-3.7231e+02	1.2787e+02	-7.9370e+01
257	390	1.4234e+00	1.0084e-01	5.2418e+00	-3.5852e+01	1.9597e+01	1.3910e+02
	389	1.3532e+00	-1.5683e+00	1.7811e+00	-3.5720e+02	1.0088e+02	1.5356e+02
	391	-2.0519e+01	-1.5011e+00	4.8717e+00	-3.1974e+02	3.5852e+01	2.2183e+02
	12	-2.0593e+01	1.6654e-01	8.5943e+00	7.5577e+01	1.1239e+01	2.0864e+02
258	387	3.1301e-01	4.9714e-02	2.5215e+00	-7.4500e+01	2.0770e+01	-2.3875e+01
	379	3.2082e-01	-3.0756e+00	3.1905e+00	-2.9209e+02	1.5438e+02	-2.3586e+01
	389	1.3707e+00	-3.0895e+00	2.4946e+00	-3.1264e+02	1.1535e+02	1.2082e+02
	390	1.3584e+00	3.6486e-02	1.8542e+00	-6.5941e+01	1.0969e+01	1.2751e+02
259	11	-7.8114e+00	1.2665e-28	-4.0867e+00	-8.0371e+01	-1.4614e+01	-1.0685e+02
	377	-7.8114e+00	-9.3033e-01	1.7417e+00	-2.6975e+02	1.7074e+01	-1.3170e+02
	379	3.2436e-01	-9.3033e-01	3.7639e+00	-3.1607e+02	1.1465e+02	-5.7852e+01
	387	3.2436e-01	6.9780e-29	-2.0571e+00	-3.6109e+01	1.5107e+01	-4.3444e+01
260	360	-6.0446e+00	-8.9074e-01	-3.8667e+00	1.0480e+02	-1.4914e+01	-3.8014e+01
	374	-6.0446e+00	-5.1678e-15	1.2536e+00	1.1326e+02	-1.0483e+02	8.9836e+01
	502	-6.0992e+00	-5.1678e-15	6.5595e+00	2.8015e+02	1.2243e+02	9.8719e+01
	365	-6.0992e+00	-8.9074e-01	3.5759e+00	5.3477e+01	-3.0102e+01	-4.1132e+01
261	359	-1.8215e+01	1.1615e+01	2.2893e+01	1.1192e+02	-2.3447e+01	-4.6937e+01
	372	-1.8215e+01	0.0000e+00	2.9301e+01	6.1840e+01	-3.6576e+01	-7.3574e+01
	374	-6.0446e+00	0.0000e+00	2.0185e+00	8.1843e+01	3.9201e+01	-7.3223e+01
	360	-6.0446e+00	1.1615e+01	-4.4554e+00	1.0953e+02	3.3533e+00	-4.5635e+01
262	342	-7.4952e+01	-1.6797e+00	-4.1553e+01	8.3039e+01	-1.2230e+01	-5.3973e+01
	501	-7.4952e+01	2.8584e-16	2.8618e+01	1.0834e+02	3.6373e+01	-8.2272e+01
	372	-1.8215e+01	2.8584e-16	7.6600e+01	6.2647e+01	-3.9943e+01	-8.2373e+01
	359	-1.8215e+01	-1.6797e+00	6.5356e+00	1.1132e+02	6.1541e+00	-5.3912e+01
263	351	-1.2321e+01	3.8438e-01	-3.0839e+00	5.9658e+01	-2.8919e+01	1.8495e+01
	360	-1.2321e+01	-8.9074e-01	-2.0712e+00	8.6608e+01	-1.9986e+01	-2.8606e+01
	365	-9.4969e+00	-8.9074e-01	3.2138e+00	1.3920e+02	1.1925e+01	-2.4493e+01
	358	-9.4969e+00	3.8438e-01	2.1944e+00	-5.6350e+01	-1.0071e+01	2.0321e+01
264	345	-2.2258e+01	4.2455e+00	2.9268e+00	1.0212e+02	-6.0369e+01	-1.6089e+01
	359	-2.2258e+01	1.1615e+01	4.1195e+00	9.5740e+01	-2.3218e+01	-3.7507e+01
	360	-1.2321e+01	1.1615e+01	-2.7242e+00	8.5093e+01	-2.5885e+01	-3.4221e+01
	351	-1.2321e+01	4.2455e+00	-3.7917e+00	7.6786e+01	1.2740e+01	-1.7684e+01
265	336	-1.4859e+01	3.1773e-01	-8.0403e+00	1.3698e+02	-6.5020e+01	-1.6483e+01
	342	-1.4859e+01	-1.6797e+00	-2.1971e+01	1.1509e+02	1.5898e+01	-4.9049e+01
	359	-2.2258e+01	-1.6797e+00	-1.2356e+01	1.0126e+02	-2.1949e+01	-4.1825e+01
	345	-2.2258e+01	3.1773e-01	1.7304e+00	1.1407e+02	1.4268e+01	-1.3259e+01
266	357	-5.4597e+00	-2.5564e-29	-3.0278e+00	-1.0195e+02	1.3060e+02	1.3947e+02
	351	-5.4597e+00	3.8438e-01	-2.4025e+00	5.0676e+01	-2.3774e+01	4.4003e+01
	358	-1.5083e+01	3.8438e-01	5.4991e+00	1.1968e+02	3.9359e+01	5.4425e+01
	120	-1.5083e+01	4.1790e-29	4.9497e+00	-2.9793e+02	-1.6339e+02	1.5149e+02
267	346	-6.4024e+00	0.0000e+00	-1.1264e+01	-5.6583e+01	5.1883e+01	1.1698e+02
	345	-6.4024e+00	4.2455e+00	-8.0399e+00	9.6313e+01	-1.8792e+01	4.6625e+01
	351	-5.4597e+00	4.2455e+00	-3.1117e+00	6.2778e+01	-2.2150e+01	4.3089e+01
	357	-5.4597e+00	0.0000e+00	-6.3437e+00	-6.3567e+01	-7.3616e+01	1.1385e+02
268	14	-7.2959e+00	1.1708e-28	-8.2848e+00	-2.7939e+01	3.6124e+01	1.2370e+02
	336	-7.2959e+00	3.1773e-01	-6.0457e+00	2.2553e+02	1.2506e+01	4.7193e+01
	345	-6.4024e+00	3.1773e-01	-9.2835e+00	1.3066e+02	-3.9325e+01	4.7044e+01
	346	-6.4024e+00	1.5583e-28	-1.1524e+01	-5.1729e+01	-6.6906e+01	1.2405e+02
269	341	-9.4931e-01	1.3680e+01	-1.3747e+01	1.3815e+02	6.8732e+00	-5.4276e+01
	344	-9.4931e-01	7.0736e-14	-3.4466e+01	4.3867e+01	-2.1622e+01	-7.0056e+01
	501	-7.4952e+01	9.6368e-14	-5.1913e+01	1.0441e+02	2.3504e+01	-6.6935e+01
	342	-7.4952e+01	1.3680e+01	-3.1502e+01	8.8327e+01	9.3829e+00	-5.3086e+01
270	340	-4.4170e+00	1.1476e+01	-2.2311e+01	2.3740e+02	-1.4947e+01	-4.6939e+01
	343	-4.4170e+00	2.8584e-16	-1.0544e+01	4.0356e+01	2.1349e+01	-9.7439e+01

	344	-9.4931e-01	2.8584e-16	-1.1402e+01	4.7580e+01	-1.9814e+01	-8.0952e+01
	341	-9.4931e-01	1.1476e+01	-2.3035e+01	1.5347e+02	-2.5847e+01	-3.1010e+01
271	337	1.1803e+02	-6.0217e-01	-2.6901e+01	1.0027e+02	-1.8689e+01	-3.5870e+01
	500	1.1803e+02	-1.0837e-13	-4.9131e+01	5.5248e+02	1.3536e+02	-1.9857e+02
	343	-4.4170e+00	-8.0594e-14	-3.4042e+01	9.9521e+01	-1.4589e+02	-1.9903e+02
	340	-4.4170e+00	-6.0217e-01	-1.1605e+01	2.7151e+02	9.0880e+00	-3.5885e+01
272	330	-1.2472e+01	4.6361e+00	-2.2198e+01	2.1244e+02	1.7084e+01	-1.8918e+01
	341	-1.2472e+01	1.3680e+01	-1.8409e+01	1.3654e+02	2.2335e+01	-3.1240e+01
	342	-1.4859e+01	1.3680e+01	-1.1905e+01	1.1262e+02	4.1178e+00	-4.9647e+01
	336	-1.4859e+01	4.6361e+00	-1.5677e+01	1.6439e+02	4.8469e+01	-1.5106e+01
273	321	8.2679e+00	-6.1580e+00	-3.1986e+01	2.4769e+02	5.4901e+00	3.5941e+01
	340	8.2679e+00	1.1476e+01	-3.4698e+01	1.8369e+02	-2.7512e+01	-9.6115e+00
	341	-1.2472e+01	1.1476e+01	-2.7696e+01	1.4786e+02	5.2114e+00	-2.0617e+01
	330	-1.2472e+01	-6.1580e+00	-2.4998e+01	2.2795e+02	2.8319e+01	-1.9467e+01
274	320	1.8977e+01	3.5332e+00	-2.2058e+00	3.0023e+02	-4.6186e+01	4.0940e+01
	337	1.8977e+01	-6.0217e-01	2.5907e+00	2.5294e+02	-4.7906e+01	-2.0746e+01
	340	8.2679e+00	-6.0217e-01	2.4007e+01	2.1121e+02	2.5539e+01	-8.9623e+00
	321	8.2679e+00	3.5332e+00	-2.8770e+01	2.4756e+02	-7.5068e+00	5.1037e+01
275	335	-3.9801e+00	3.9627e-14	-1.8862e+01	6.4961e+02	1.8563e+02	2.2862e+02
	330	-3.9801e+00	4.6361e+00	-2.2812e+01	3.9201e+01	6.5062e+01	2.3196e+01
	336	-7.2959e+00	4.6361e+00	-1.3678e+01	2.7047e+02	1.2882e+01	4.9652e+01
	14	-7.2959e+00	2.0579e-14	-9.7238e+00	7.1896e+01	-1.8501e+02	2.5966e+02
276	326	4.6946e+00	-4.1550e-29	-7.9565e+00	1.2660e+02	-1.3135e+02	-5.2327e+01
	321	4.6946e+00	-6.1580e+00	-1.6881e+01	4.5201e+02	7.9914e+00	5.0674e+01
	330	-3.9801e+00	-6.1580e+00	-2.5606e+01	6.7515e+01	3.8846e+01	6.6938e+01
	335	-3.9801e+00	-8.5025e-29	-1.6282e+01	6.6901e+02	1.3034e+02	-3.4282e+01
277	13	-5.5261e+01	-5.6953e-14	-2.6517e+01	6.7150e+02	1.3882e+02	1.9642e+02
	320	-5.5261e+01	3.5332e+00	-2.8353e+01	1.6025e+02	-4.3785e+01	5.4555e+01
	321	4.6946e+00	3.5332e+00	-1.3695e+01	4.5828e+02	2.4152e+00	4.2907e+01
	326	4.6946e+00	-2.4899e-14	-1.1745e+01	1.3655e+02	-1.5140e+02	1.8439e+02
278	294	1.5384e+01	-7.0953e+00	5.4667e+00	1.4911e+01	7.7771e+00	-1.8287e+01
	297	1.5384e+01	-6.3429e-17	2.5601e+01	4.6992e+01	-6.4349e+01	2.5194e+01
	499	1.0291e+02	-6.3429e-17	3.3023e+01	1.3698e+02	8.0090e+01	3.0467e+01
	295	1.0291e+02	-7.0953e+00	1.2913e+01	-4.4350e+01	-1.4942e+01	-1.4897e+01
279	293	-1.3321e+01	-2.0598e-01	1.8377e+01	2.1493e+01	-2.8967e+00	-1.8672e+01
	296	-1.3321e+01	-1.8176e-14	-7.4973e+00	-1.9975e+01	-4.1050e+01	1.7875e+01
	297	1.5384e+01	-1.4972e-14	-5.9580e+00	2.6298e+01	4.3539e+01	1.6501e+01
	294	1.5384e+01	-2.0598e-01	1.9888e+01	1.4687e+01	1.8020e+01	-2.2361e+01
280	292	-9.5964e+01	8.0283e+00	1.4567e+01	6.7657e+01	1.1488e+01	6.3169e+00
	498	-9.5964e+01	9.3017e-15	3.0476e+01	-1.1860e+02	-7.3109e+01	3.2759e+01
	296	-1.3321e+01	9.3017e-15	2.0833e+01	-3.8311e+01	5.9920e+01	2.4679e+01
	293	-1.3321e+01	8.0283e+00	4.9129e+00	1.9985e+01	1.4599e+01	-1.3184e+01
281	289	1.1550e+01	4.8899e+00	1.7238e+01	-1.1086e+01	8.1580e+00	-5.5874e+00
	294	1.1550e+01	-7.0953e+00	1.3038e+01	2.2161e+01	8.5480e+00	-3.0346e+01
	295	2.4309e+01	-7.0953e+00	-1.9159e+00	9.5170e+01	1.6625e+01	-2.5670e+01
	291	2.4309e+01	4.8899e+00	2.3124e+00	-9.2888e+01	-4.7526e+00	-3.0687e+00
282	286	-7.2637e+00	-1.8806e-01	2.3284e+01	5.9011e+01	2.9211e+01	-1.0445e+01
	293	-7.2637e+00	-2.0598e-01	2.7106e+01	-7.7489e+00	2.8222e+01	-2.4624e+01
	294	1.1550e+01	-2.0598e-01	2.7463e+01	1.0997e+01	-4.5014e+00	-3.4477e+01
	289	1.1550e+01	-1.8806e-01	2.3638e+01	2.9679e+01	4.0807e+01	-1.9872e+01
283	285	-2.2049e+01	-4.3310e+00	1.5515e+00	9.5060e+01	7.2902e+00	-3.4687e+00
	292	-2.2049e+01	8.0283e+00	-7.8400e-01	-3.3214e+01	1.6418e+00	-7.0640e+00
	293	-7.2637e+00	8.0283e+00	1.3621e+01	-1.2571e+01	1.0007e+01	-1.9844e+01
	286	-7.2637e+00	-4.3310e+00	1.5930e+01	6.8963e+01	5.7732e+01	-1.3324e+01
284	290	-4.0192e+00	1.6411e-28	1.7808e+01	-2.1910e+02	1.7949e+02	1.3375e+02
	289	-4.0192e+00	4.8899e+00	1.2110e+01	-3.5446e+01	6.3207e+00	2.0007e+01
	291	-4.1237e+01	4.8899e+00	1.0590e+01	9.8669e+01	5.8447e+01	4.5089e+01

	20	-4.1237e+01	1.5049e-28	1.6330e+01	-4.5633e+02	-2.2400e+02	1.5906e+02
285	288	6.2402e+00	1.1280e-14	5.8263e+00	-1.1269e+02	7.6364e+01	6.8413e+01
	286	6.2402e+00	-1.8806e-01	1.9312e+01	-2.8424e+01	5.6982e+01	7.7418e+00
	289	-4.0192e+00	-1.8806e-01	1.8505e+01	-2.8462e+01	1.8378e+01	2.4193e+01
	290	-4.0192e+00	9.7089e-15	5.0475e+00	-1.6934e+02	-7.5423e+01	8.5635e+01
286	19	4.8336e+01	2.0780e-01	2.0242e+01	-1.1392e+02	5.2886e+00	2.7642e+01
	285	4.8236e+01	-4.1790e+00	1.0346e+01	-1.6993e+01	1.1075e+01	8.3775e+00
	286	6.0913e+00	-4.1613e+00	1.1954e+01	-1.7403e+01	4.9952e+01	2.2167e+01
	288	5.9911e+00	2.2475e-01	2.1835e+01	-1.1226e+02	-4.1032e+00	4.1282e+01
287	281	-6.2872e+00	-5.1857e+00	-5.1310e+00	6.9494e+02	4.4014e+01	4.5408e+01
	284	-6.2872e+00	-5.4753e-14	-2.6849e+01	5.2105e+02	-6.5672e+02	5.5899e+02
	497	-3.6412e+01	-2.6865e-14	-1.3634e+01	2.0743e+03	6.7058e+02	5.9765e+02
	282	-3.6412e+01	-5.1857e+00	8.1080e+00	-1.9240e+02	-1.4938e+02	8.4060e+01
288	280	-6.5962e+00	-1.8542e-01	7.7972e+00	5.0707e+02	-1.2712e+02	1.1357e+00
	283	-6.5962e+00	-2.2950e-14	8.1347e+00	2.6249e+02	-1.0192e+02	1.3652e+02
	284	-6.2872e+00	1.6624e-14	-8.8525e+00	2.8320e+02	6.1367e+01	1.7287e+02
	281	-6.2872e+00	-1.8542e-01	-9.1952e+00	6.6338e+02	-2.6631e+01	3.5914e+01
289	279	-3.4702e+01	-5.6226e+00	-9.8134e+00	1.2789e+02	-5.2802e+01	2.0647e+01
	496	-3.4702e+01	2.4005e-14	1.2464e+01	7.2696e+02	1.4857e+02	-6.1699e+01
	283	-6.5962e+00	5.5445e-14	2.6233e+01	2.9792e+02	-1.5810e+02	-3.9865e+01
	280	-6.5962e+00	-5.6226e+00	3.9680e+00	4.5235e+02	-3.5022e+01	4.5619e+01
290	276	-1.7208e+01	-4.7754e+00	-4.7791e+00	6.8045e+01	-1.2296e+01	-7.3805e+01
	281	-1.7208e+01	-5.1857e+00	2.5614e+00	2.1488e+02	3.5237e+01	-2.3731e+00
	282	-1.1709e+01	-5.1857e+00	3.9657e+00	5.8446e+02	-9.2743e+01	-2.0668e+01
	278	-1.1709e+01	-4.7754e+00	-3.3661e+00	-2.0910e+02	1.3173e+01	-9.2702e+01
291	274	-1.8515e+01	-2.4773e+00	-8.7669e-01	4.8831e+01	-1.1886e+01	-3.7765e+01
	280	-1.8515e+01	-1.8542e-01	-6.5312e-01	1.7888e+02	-1.0995e+01	-1.6036e+01
	281	-1.7208e+01	-1.8542e-01	-1.5352e+00	1.4685e+02	-1.3839e+02	-7.0860e+01
	276	-1.7208e+01	-2.4773e+00	-1.7786e+00	1.1017e+02	3.5820e+01	-9.3353e+01
292	273	-1.4856e+01	-3.9852e+00	3.5390e+00	-1.0944e+02	2.0563e+01	-1.3818e+01
	279	-1.4856e+01	-5.6226e+00	-4.1009e+00	2.7216e+02	-1.0163e+01	2.4640e+01
	280	-1.8515e+01	-5.6226e+00	-4.3732e+00	1.9555e+02	-5.8406e+01	3.2625e+00
	274	-1.8515e+01	-3.9852e+00	3.2823e+00	1.8858e+01	-1.5033e+01	-3.6682e+01
293	277	-5.7923e+00	5.6866e-14	2.7634e+01	-2.5861e+02	2.9993e+02	1.5923e+02
	276	-5.7923e+00	-4.7754e+00	2.5195e+00	-2.7695e+02	-1.0586e+01	-5.7925e+01
	278	-4.0125e+01	-4.7754e+00	-5.4308e+00	1.8921e+02	5.6090e+01	-3.9902e+01
	18	-4.0125e+01	4.0529e-14	1.9717e+01	-1.0055e+03	-3.1044e+02	1.7741e+02
294	275	-6.2074e+00	1.0851e-14	-5.3469e+00	-1.6187e+02	1.6667e+01	-4.8186e+01
	274	-6.2074e+00	-2.4773e+00	-6.6121e+00	-2.4892e+02	4.6676e+01	-6.7395e+01
	276	-5.7923e+00	-2.4773e+00	5.5333e+00	-2.8357e+02	1.2383e+01	-5.3804e+01
	277	-5.7923e+00	-1.3787e-14	6.7924e+00	-1.5125e+02	4.2276e+00	-3.4409e+01
295	17	-4.3530e+01	-3.6914e-14	-1.8073e+01	-7.8665e+02	-2.3143e+02	-2.2002e+02
	273	-4.3530e+01	-3.9852e+00	2.4289e+00	9.2440e+01	6.1859e+01	-5.0174e+01
	274	-6.2074e+00	-3.9852e+00	-2.5611e+00	-2.3666e+02	-2.0399e+01	-3.4843e+01
	275	-6.2074e+00	-4.7304e-14	-2.2981e+01	-2.3683e+02	2.2505e+02	-2.0451e+02
296	268	6.6943e+00	5.3315e+00	2.5636e+00	7.2711e+02	3.4079e+01	4.0730e+01
	272	6.6943e+00	4.5495e-15	2.4417e+01	5.3695e+02	-6.2690e+02	5.2247e+02
	495	3.3768e+01	4.5495e-15	1.1584e+01	2.0296e+03	6.3715e+02	5.6280e+02
	269	3.3768e+01	5.3315e+00	-1.0474e+01	-1.4157e+02	-1.4813e+02	8.0903e+01
297	267	5.6800e+00	-3.3571e-01	-1.0535e+01	6.0649e+02	-1.1878e+02	3.1914e+00
	271	5.6800e+00	5.0704e-15	-9.4968e+00	2.9861e+02	-7.9587e+01	9.8265e+01
	272	6.6943e+00	5.0704e-15	6.9022e+00	3.1497e+02	3.5206e+01	1.3841e+02
	268	6.6943e+00	-3.3571e-01	6.0268e+00	7.1023e+02	-5.4345e+01	4.3706e+01
298	266	3.3710e+01	4.9170e+00	6.8872e+00	7.4424e+01	-7.9467e+01	1.1410e+01
	494	3.3710e+01	5.0841e-15	-1.2722e+01	1.1234e+03	2.8521e+02	-1.7892e+02
	271	5.6800e+00	5.0841e-15	-2.6275e+01	3.8424e+02	-2.9060e+02	-1.4851e+02
	267	5.6800e+00	4.9170e+00	-6.7241e+00	5.6378e+02	-2.4401e+01	4.0808e+01

299	231	1.9227e+01	3.4545e+00	3.1003e+00	6.8922e+01	-6.4167e+00	-5.9868e+01
	268	1.9227e+01	5.3315e+00	-5.4024e+00	2.4228e+02	2.1034e+01	8.2626e+00
	269	1.7636e+01	5.3315e+00	-4.5894e+00	5.8321e+02	-8.7554e+01	-1.4603e+01
	237	1.7636e+01	3.4545e+00	3.6468e+00	-1.8637e+02	9.4884e+00	-8.2262e+01
300	229	1.4593e+01	3.8066e+00	-3.7014e+00	7.0862e+01	1.2757e+01	-1.4024e+01
	267	1.4593e+01	-3.3571e-01	-3.9153e+00	1.8971e+02	-4.2647e+01	1.6221e+01
	268	1.9227e+01	-3.3571e-01	-2.4424e+00	1.7752e+02	-1.2487e+02	-5.0492e+01
	231	1.9227e+01	3.8066e+00	-2.2479e+00	1.0916e+02	1.9634e+01	-7.0391e+01
301	228	7.4210e+00	3.4505e+00	-1.9011e+00	-1.7035e+02	2.8567e+01	1.2426e+01
	266	7.4210e+00	4.9170e+00	2.8573e+00	3.8134e+02	-2.8355e+01	3.6164e+01
	267	1.4593e+01	4.9170e+00	-9.7556e-01	2.2012e+02	-4.6804e+01	1.1117e+01
	229	1.4593e+01	3.4505e+00	-4.6894e+00	2.9967e+01	-2.4290e+01	-1.9406e+01
302	232	6.4560e+00	0.0000e+00	-2.7053e+01	-2.6688e+02	2.7818e+02	1.4408e+02
	231	6.4560e+00	3.4545e+00	-1.7248e+00	-2.8168e+02	-7.2045e+00	-5.3428e+01
	237	5.4389e+01	3.4545e+00	1.7229e+00	1.6540e+02	5.6023e+01	-3.5314e+01
	16	5.4389e+01	0.0000e+00	-2.4567e+01	-9.6764e+02	-2.8707e+02	1.6278e+02
303	230	4.4578e+00	-9.0714e-29	4.1628e+00	-1.8140e+02	-1.8667e+00	-6.2908e+01
	229	4.4578e+00	3.8066e+00	2.7920e+00	-3.0031e+02	3.6261e+01	-5.3541e+01
	231	6.4560e+00	3.8066e+00	-6.2697e+00	-2.9772e+02	2.9235e+01	-3.8834e+01
	232	6.4560e+00	1.2449e-28	-4.4242e+00	-1.7048e+02	1.6427e+01	-4.7677e+01
304	15	2.5449e+01	0.0000e+00	1.2861e+01	-1.0456e+03	-3.2150e+02	-2.8393e+02
	228	2.5449e+01	3.4505e+00	4.2650e-01	1.5168e+02	7.6545e+01	-4.6290e+01
	229	4.4578e+00	3.4505e+00	1.5981e+00	-2.9505e+02	-2.7594e+01	-2.7815e+01
	230	4.4578e+00	0.0000e+00	1.3832e+01	-2.8984e+02	3.1142e+02	-2.6477e+02
305	224	-1.4593e+00	2.7535e+00	6.3361e-01	-1.3153e+03	3.7276e+02	1.0868e+01
	227	-1.4593e+00	-4.3773e-14	2.0161e+01	-5.1673e+02	7.6599e+02	-1.2887e+03
	493	2.3127e+01	-2.7787e-14	1.2502e+01	-4.0873e+03	-6.4325e+02	-1.2864e+03
	225	2.3127e+01	2.7535e+00	-8.6700e+00	-7.4943e+02	-2.5413e+02	1.3488e+01
306	223	-1.9760e+00	3.7018e+00	-3.6532e+00	-9.4821e+02	4.0169e+02	3.1063e+01
	226	-1.9760e+00	-6.8097e-15	-3.9537e+00	-2.0488e+02	4.3312e+01	4.4136e+01
	227	-1.4593e+00	1.4226e-14	4.6025e+00	-2.0679e+02	3.7922e+01	-3.5992e+02
	224	-1.4593e+00	3.7018e+00	4.9661e+00	-9.4460e+02	3.5220e+02	-3.5925e+02
307	222	3.7471e+01	3.2988e+00	8.4275e+00	-6.1696e+02	-2.8858e+02	-3.6061e+02
	492	3.7471e+01	3.8711e-14	-1.8641e+01	-4.6307e+03	-7.1403e+02	1.0826e+03
	226	-1.9760e+00	5.0866e-14	-2.4276e+01	-5.7399e+02	8.6994e+02	1.0896e+03
	223	-1.9760e+00	3.2988e+00	1.8564e+00	-1.3327e+03	4.3297e+02	-3.5357e+02
308	219	6.4090e+00	3.1271e+00	4.0269e+00	-2.0830e+02	3.6884e+01	2.0911e+02
	224	6.4090e+00	2.7535e+00	-5.1224e+00	-7.9908e+02	7.8810e+01	9.7550e+01
	225	1.5297e+01	2.7535e+00	-3.4660e+00	-9.4613e+02	1.6391e+02	2.4826e+02
	221	1.5297e+01	3.1271e+00	2.9854e+00	-3.1601e+02	-5.1889e+01	3.5983e+02
309	217	9.7124e+00	7.7622e+00	4.4124e+00	7.8044e+01	-1.3665e+02	-2.4440e+02
	223	9.7124e+00	3.7018e+00	2.7697e+00	-5.1802e+02	4.1550e+02	-3.9452e+02
	224	6.4090e+00	3.7018e+00	2.7675e+00	-5.9500e+02	2.8729e+02	4.9818e+01
	219	6.4090e+00	7.7622e+00	-4.5238e+00	-2.9165e+02	6.3815e+01	2.0125e+02
310	216	2.5107e+01	3.3100e+00	-4.8050e+00	5.0394e+02	-1.9366e+02	-5.6601e+02
	222	2.5107e+01	3.2988e+00	5.0519e+00	-7.4452e+02	2.4203e+02	-6.4186e+02
	223	9.7124e+00	3.2988e+00	5.7883e+00	-6.8734e+02	7.7421e+01	-4.0911e+02
	217	9.7124e+00	3.3100e+00	-5.5701e+00	2.7399e+02	1.0827e+02	-3.3332e+02
311	220	-1.9438e+00	2.1074e-14	-1.0204e+01	5.7412e+01	-1.0367e+02	1.2706e+02
	219	-1.9438e+00	3.1271e+00	4.0154e+00	-9.1435e+01	-3.4477e+01	2.7148e+02
	221	3.1654e+01	3.1271e+00	-4.0419e+00	-2.0989e+02	4.1965e+01	2.9839e+02
	10	3.1654e+01	3.0633e-14	-1.5020e+01	5.4690e+02	7.1927e+01	1.5487e+02
312	218	-2.0247e+00	-7.5477e-15	-3.6858e+00	4.6662e+01	5.2563e+01	4.1767e+02
	217	-2.0247e+00	7.7622e+00	-4.6560e+00	5.3529e+02	-1.4316e+02	1.8232e+02
	219	-1.9438e+00	7.7622e+00	-4.3044e+00	-6.9041e+01	-5.1022e+01	9.2439e+01
	220	-1.9438e+00	6.8752e-15	3.3572e+00	5.9349e+01	-7.0512e+01	3.2274e+02
313	9	5.6583e+01	-5.3278e-14	2.5916e+01	4.6498e+03	7.4961e+02	1.2657e+03

	216	5.6583e+01	3.3100e+00	1.3416e+00	4.1095e+02	3.2304e+02	-2.7839e+02
	217	-2.0247e+00	3.3100e+00	-6.0122e+00	9.6318e+02	-2.5643e+02	-1.5903e+02
	218	-2.0247e+00	-4.2142e-14	2.0368e+01	5.2256e+02	-8.8836e+02	1.3851e+03
314	210	-3.2644e+00	9.3988e-01	-3.2313e+00	1.4832e+03	-3.6864e+01	1.0017e+02
	215	-3.2644e+00	-2.9019e-14	-1.9601e+01	1.0046e+03	-9.3822e+02	7.9851e+02
	479	-5.7723e+01	-3.7090e-14	-2.1218e+01	3.4314e+03	9.0167e+02	8.8475e+02
	211	-5.7723e+01	9.3988e-01	-4.7112e+00	2.4961e+01	-2.5443e+02	1.8611e+02
315	209	-1.5591e+00	-2.3802e-01	-6.6745e+00	1.6974e+03	-2.5057e+02	3.8247e+01
	212	-1.5591e+00	-9.0625e-15	2.5268e+00	7.0327e+02	-9.2877e+00	-8.7936e+01
	215	-3.2644e+00	-4.4101e-15	-1.8592e+00	7.0832e+02	-1.2884e+02	7.6293e+01
	210	-3.2644e+00	-2.3802e-01	-9.7531e+00	1.5273e+03	-3.6156e+02	1.9894e+02
316	208	4.5221e+01	-2.5973e+00	-7.5801e+00	-3.3956e+02	-3.0922e+02	-4.2408e+01
	478	4.5221e+01	-3.0674e-14	-1.6832e+01	4.7508e+03	1.3680e+03	-1.1386e+03
	212	-1.5591e+00	-1.8678e-14	-1.0566e+01	1.1971e+03	-1.4028e+03	-1.0369e+03
	209	-1.5591e+00	-2.5973e+00	-9.7421e-01	1.7292e+03	-2.5901e+01	6.1801e+01
317	205	-9.8963e+00	-2.3931e+00	-1.2506e+01	5.4720e+01	7.3882e+01	1.2330e+01
	210	-9.8963e+00	9.3988e-01	-6.7913e+00	5.4842e+02	-8.2976e+01	1.5917e+02
	211	-1.7434e+01	9.3988e-01	3.0743e+00	9.0339e+02	-1.7570e+02	7.6474e+01
	207	-1.7434e+01	-2.3931e+00	-2.6664e+00	-1.2658e+02	-8.4537e+01	-7.3661e+01
318	203	-5.0705e+00	-6.7780e-01	-1.2777e+01	5.1594e+01	-3.0225e+01	1.7232e+02
	209	-5.0705e+00	-2.3802e-01	-1.2505e+01	4.5935e+02	-4.0201e+02	2.4106e+02
	210	-9.8963e+00	-2.3802e-01	-1.3471e+01	4.8437e+02	-2.4099e+02	1.1284e+02
	205	-9.8963e+00	-6.7780e-01	-1.3758e+01	5.7827e+01	-2.4053e+02	4.5480e+01
319	202	1.3327e+01	1.5781e+00	-2.7307e+00	-6.3284e+02	2.4662e+01	2.1923e+02
	208	1.3327e+01	-2.5973e+00	2.0908e+00	1.1898e+03	-2.9693e+02	1.3068e+02
	209	-5.0705e+00	-2.5973e+00	-6.8034e+00	5.9577e+02	-3.5835e+01	1.0564e+02
	203	-5.0705e+00	1.5781e+00	-1.1548e+01	-1.6167e+02	-2.7687e+02	1.9379e+02
320	206	-2.5533e+00	5.2235e-15	2.3089e+00	-3.9117e+02	7.5855e+01	-2.2298e+02
	205	-2.5533e+00	-2.3931e+00	-7.9397e+00	-6.8709e+02	-1.6445e+01	-1.0931e+02
	207	9.0910e+00	-2.3931e+00	-1.0405e+01	-2.9854e+02	6.0710e+01	-9.5919e+01
	6	9.0910e+00	-8.8828e-15	-4.3802e+00	-6.8024e+02	-7.6470e+01	-2.1051e+02
321	204	-3.1173e+00	1.0686e-14	-4.9929e+00	-1.7695e+03	-6.0649e+02	-5.7503e+02
	203	-3.1173e+00	-6.7780e-01	-9.8717e+00	-3.8742e+02	-1.4649e+02	9.9841e+00
	205	-2.5533e+00	-6.7780e-01	-9.1718e+00	-8.1172e+02	2.3256e+01	-2.4382e+01
	206	-2.5533e+00	9.2834e-15	-4.2858e+00	-5.5399e+02	5.7466e+02	-6.0847e+02
322	5	-2.0369e+01	-1.3639e-14	-6.8011e+00	-2.7867e+03	-3.9968e+02	-3.6327e+02
	202	-2.0369e+01	1.5781e+00	-1.2253e+01	-3.4360e+02	-5.2596e+01	5.1021e+01
	203	-3.1173e+00	1.5781e+00	-8.6623e+00	-4.9418e+02	-1.1299e+02	1.7616e+01
	204	-3.1173e+00	-6.9948e-15	-3.2005e+00	-2.0814e+03	3.4444e+02	-3.9853e+02
323	198	-1.4988e+00	-2.5925e+00	-8.5087e-01	-2.5550e+03	1.3143e+01	2.2701e+01
	201	-1.4988e+00	1.4585e-14	8.1121e+00	-1.6275e+03	1.7039e+03	-1.2915e+03
	475	4.3752e+01	2.1228e-14	1.5334e+01	-5.9897e+03	-1.6609e+03	-1.4110e+03
	199	4.3752e+01	-2.5925e+00	7.0974e+00	-4.5088e+01	3.8345e+02	-9.8168e+01
324	197	-4.2075e+00	-7.9613e-02	8.5427e+00	-2.5503e+03	3.9123e+02	1.2912e+02
	200	-4.2075e+00	-2.3431e-15	1.1213e+00	-1.0485e+03	8.6569e+01	1.2029e+02
	201	-1.4988e+00	-2.3431e-15	-4.7314e+00	-1.0445e+03	7.8562e+01	-8.4851e+01
	198	-1.4988e+00	-7.9613e-02	4.6772e+00	-2.5661e+03	3.7780e+02	-7.6524e+01
325	196	-5.9609e+01	-5.3383e-01	3.2113e+00	-2.6788e+01	3.8594e+02	1.3978e+02
	474	-5.9609e+01	-4.5412e-15	2.1065e+01	-5.8869e+03	-1.6259e+03	1.4282e+03
	200	-4.2075e+00	-4.5412e-15	1.9836e+01	-1.6165e+03	1.6694e+03	1.3092e+03
	197	-4.2075e+00	-5.3383e-01	1.8877e+00	-2.5353e+03	9.4009e+00	2.1273e+01
326	191	5.0568e+00	-4.4972e-01	8.8472e+00	-4.5428e+02	1.2974e+02	1.1522e+02
	198	5.0568e+00	-2.5925e+00	5.3622e+00	-1.0690e+03	3.5202e+01	3.2251e+01
	199	1.6902e+01	-2.5925e+00	-1.5761e+00	-1.8950e+03	3.1146e+02	1.3425e+02
	193	1.6902e+01	-4.4972e-01	1.9628e+00	2.7087e+02	-9.1280e+01	2.1897e+02
327	189	-1.2712e+01	-2.1466e+00	1.0552e+01	-5.8551e+02	4.8753e+01	-1.0157e+02
	197	-1.2712e+01	-7.9613e-02	1.1242e+01	-9.2304e+02	3.7162e+02	-9.3428e+01

	198	5.0568e+00	-7.9613e-02	1.0616e+01	-8.9935e+02	3.8983e+02	1.5122e+02
	191	5.0568e+00	-2.1466e+00	9.9261e+00	-5.9751e+02	2.2539e+01	1.4245e+02
328	188	-2.2939e+01	-1.3017e+00	2.6870e+00	1.4999e+02	-5.3560e+01	-2.1130e+02
	196	-2.2939e+01	-5.3383e-01	-3.0220e+00	-1.8576e+03	3.1019e+02	-8.4804e+01
	197	-1.2712e+01	-5.3383e-01	4.5409e+00	-1.0879e+03	3.6111e+01	2.2485e+01
	189	-1.2712e+01	-1.3017e+00	1.0235e+01	-4.6220e+02	8.9620e+01	-1.0657e+02
329	192	-1.1019e+00	7.0635e-15	7.5975e+00	7.1196e+02	-8.9840e+02	-6.6898e+02
	191	-1.1019e+00	-4.4972e-01	7.4473e+00	6.2110e+02	8.8397e+01	5.8198e+01
	193	-1.1789e+01	-4.4972e-01	8.0932e+00	-7.1287e+02	-1.5409e+02	3.3166e+01
	8	-1.1789e+01	8.5267e-15	8.4629e+00	3.0255e+03	9.0999e+02	-6.9520e+02
330	190	-3.1363e+00	3.3257e-29	5.7950e+00	3.8063e+02	-4.2973e+01	-5.0466e+01
	189	-3.1363e+00	-2.1466e+00	8.3446e+00	5.4629e+02	-7.5152e+01	1.1253e+01
	191	-1.1019e+00	-2.1466e+00	8.5279e+00	6.1753e+02	-3.5420e+01	-1.8066e+01
	192	-1.1019e+00	2.5070e-29	5.9819e+00	3.8225e+02	2.2464e+01	-7.6536e+01
331	7	-1.1352e+01	-9.1553e-29	-3.6281e+00	2.4750e+03	7.1061e+02	4.8624e+02
	188	-1.1352e+01	-1.3017e+00	4.2080e+00	-5.9693e+02	-1.2088e+02	-6.2782e+01
	189	-3.1363e+00	-1.3017e+00	8.0267e+00	5.1136e+02	5.6925e+01	-8.6923e+01
	190	-3.1363e+00	-4.8063e-29	-1.9047e+00	6.2962e+02	-7.0275e+02	4.6184e+02
766	166	-6.8108e+00	9.9386e-14	2.7360e+00	6.0609e+02	-1.6229e+02	-3.5913e+02
	169	-6.8108e+00	-4.6241e-14	1.6196e+00	-1.4953e+03	2.1644e+02	-3.0127e+02
	170	5.5623e+00	6.7002e-14	-4.0889e+00	-1.8153e+03	-2.1550e+02	-2.9978e+02
	167	5.5623e+00	1.6147e-13	-2.9388e+00	1.0831e+03	1.6041e+02	-3.5775e+02
767	164	-8.4189e+00	-6.4324e-14	4.6044e+00	1.0250e+03	-1.7186e+02	-3.9210e+02
	166	-8.4189e+00	1.0452e-13	3.2917e+00	-1.5617e+03	1.6963e+02	-3.7504e+02
	167	6.1611e+00	7.2017e-14	-1.5157e+00	-1.7653e+03	-1.6873e+02	-3.7307e+02
	165	6.1611e+00	-7.0429e-14	-3.1581e-01	1.3553e+03	1.7046e+02	-3.9010e+02
768	3	-1.1903e+01	-1.1185e-14	5.0925e+00	1.5537e+03	-1.6119e+02	-3.6015e+02
	164	-1.1903e+01	-4.9005e-14	5.1660e+00	-1.5220e+03	1.5554e+02	-3.8701e+02
	165	-1.5866e+01	-4.9808e-14	1.6579e+00	-1.7444e+03	-1.5377e+02	-3.8458e+02
	2	-1.5866e+01	1.2045e-14	1.6155e+00	1.7929e+03	1.6037e+02	-3.5773e+02
769	128	5.5449e+00	1.7570e-13	1.6133e+00	-6.0395e+02	4.6799e+02	1.2517e+02
	162	5.5449e+00	1.6140e-13	1.0715e+00	2.0667e+03	-5.3653e+02	9.5854e+01
	163	-6.4630e+00	1.3863e-13	2.6590e+00	4.4866e+03	5.3020e+02	9.5305e+01
	129	-6.4630e+00	1.5764e-13	1.7748e+00	-2.9215e+03	-4.6162e+02	1.2636e+02
770	124	6.1714e+00	-9.9663e-14	-3.7614e+00	-1.0440e+03	5.3694e+02	1.2700e+02
	128	6.1714e+00	7.2139e-14	2.2192e+00	1.7103e+03	-5.0207e+02	1.2985e+02
	129	-8.6154e+00	7.8983e-14	7.2432e-01	4.1476e+03	4.9552e+02	1.3156e+02
	125	-8.6154e+00	-7.6419e-14	-1.2355e+00	-3.5218e+03	-5.3036e+02	1.2784e+02
771	4	-1.6167e+01	5.9023e-15	-4.6090e+00	-2.2858e+03	4.9364e+02	1.1804e+02
	124	-1.6167e+01	4.5195e-15	-4.9761e+00	1.7645e+03	-5.2925e+02	1.1513e+02
	125	-1.2260e+01	6.4862e-15	-2.5446e+00	4.2026e+03	5.2100e+02	1.1600e+02
	54	-1.2260e+01	4.4563e-15	-2.2310e+00	-4.7191e+03	-4.8540e+02	1.2013e+02
772	119	-6.6257e-01	-8.4085e-15	-5.9745e-01	-1.4981e+03	1.1592e+02	2.9770e+02
	122	-6.6257e-01	6.5289e-15	-3.4543e-01	2.8533e+03	-1.8789e+02	2.0339e+02
	123	-1.3965e+00	-6.1466e-15	-1.6913e-01	2.9814e+03	-1.3421e+02	-4.4451e+02
	121	-1.3965e+00	-1.2369e-14	-3.4689e-01	-1.4305e+03	1.6768e+02	-5.3888e+02
773	117	-1.0442e+00	-5.2021e-15	-8.8644e-01	-1.8558e+03	1.1278e+02	-3.1300e+02
	119	-1.0442e+00	-7.8974e-15	-7.6901e-01	2.2153e+03	-1.3525e+02	2.9949e+02
	121	-1.9642e+00	-8.7907e-15	-6.9946e-01	2.1475e+03	-1.2744e+02	-5.3493e+02
	118	-1.9642e+00	-4.4730e-15	-8.1316e-01	-1.6966e+03	1.5181e+02	-5.5863e+02
774	72	-3.2467e+00	-1.4885e-15	-8.8315e-01	-2.4881e+03	1.6697e+02	-2.4097e+02
	117	-3.2467e+00	1.1719e-15	-9.0878e-01	2.4454e+03	-1.3629e+02	2.8442e+02
	118	-1.9839e+00	-4.1555e-15	-8.1760e-01	2.2933e+03	-1.7854e+02	-5.8636e+02
	73	-1.9839e+00	-2.2390e-15	-7.9250e-01	-2.4046e+03	1.5828e+02	-5.4590e+02
775	113	3.3499e+00	8.1705e-15	-2.4659e+00	1.7302e+03	3.9944e+02	1.8191e+02
	115	3.3499e+00	-1.3684e+00	-2.7348e+00	-1.9439e+03	3.6475e+02	2.7967e+02
	116	2.4110e+00	-1.3684e+00	-1.3909e+00	-9.6344e+01	-2.6731e+02	2.8490e+02

	114	2.4110e+00	1.0267e-14	-1.4607e+00	-3.7264e+01	-3.5601e+02	1.8340e+02
776	111	2.0173e+00	-8.4241e-15	-3.6676e+00	2.1975e+03	4.5570e+02	2.0460e+02
	113	2.0173e+00	8.5667e-15	-1.3216e+00	-2.2625e+03	-4.5160e+02	2.0243e+02
	114	4.5083e+00	8.3242e-15	-3.2646e+00	-3.3575e+02	4.1251e+02	1.7731e+02
	112	4.5083e+00	-6.9869e-15	-5.6333e+00	2.8107e+02	-4.1671e+02	1.7948e+02
777	70	-1.1174e+01	6.0607e-15	-5.3641e+00	2.5521e+03	4.1908e+02	1.8094e+02
	111	-1.1174e+01	-9.3904e-15	-5.3687e+00	-2.4826e+03	-4.6240e+02	2.1010e+02
	112	-6.6041e+00	1.3946e-14	-8.4590e+00	-6.1224e+02	4.1320e+02	1.7817e+02
	71	-6.6041e+00	1.0323e-14	-8.4805e+00	7.1949e+02	-3.6988e+02	1.4916e+02
778	107	4.2233e+00	-5.5047e-14	1.3830e+00	7.9392e+01	1.0827e+02	8.2797e+01
	109	4.2233e+00	2.5030e-01	8.7066e-01	-5.3497e+01	-2.7976e+02	-1.2576e+02
	110	-4.5906e+00	2.5030e-01	9.2522e-01	6.2184e+01	2.8566e+02	-1.2522e+02
	108	-4.5906e+00	-7.0749e-14	1.3257e+00	-8.6740e+01	-1.0730e+02	8.3544e+01
779	105	8.6881e+00	-3.5153e-13	-8.3904e+00	2.4102e+02	2.5270e+02	8.8204e+01
	107	8.6881e+00	-9.0773e-15	-4.1529e+00	-1.8075e+02	-1.0332e+02	-1.0043e+02
	108	-9.3466e+00	-6.3018e-14	-3.9249e+00	1.8703e+02	1.0116e+02	-1.0209e+02
	106	-9.3466e+00	4.2788e-14	-8.0118e+00	-1.9643e+02	-2.5025e+02	8.9083e+01
780	68	6.4099e+00	-3.4737e-13	-1.3586e+01	2.8553e+02	2.9087e+02	7.8196e+01
	105	6.4099e+00	3.6100e-14	-1.3216e+01	-3.1192e+02	-2.3838e+02	8.5197e+01
	106	-8.0805e+00	4.1747e-14	-1.2784e+01	2.7891e+02	2.3907e+02	8.5667e+01
	69	-8.0805e+00	-1.2966e-13	-1.3137e+01	-3.2875e+02	-2.9139e+02	7.8679e+01
781	101	-2.9007e+00	-4.5041e-15	-1.3481e+00	3.4436e+01	3.0657e+02	1.4284e+02
	103	-2.9007e+00	-1.1575e+00	-8.7089e-01	8.8667e+01	2.7029e+02	2.3581e+02
	104	-2.3865e+00	-1.1575e+00	-3.2895e+00	1.6731e+03	-3.7625e+02	2.2480e+02
	102	-2.3865e+00	-4.5041e-15	-3.6871e+00	-1.4816e+03	-3.4672e+02	1.3573e+02
782	99	-6.3651e+00	-2.0172e-14	-4.1378e+00	-2.6201e+02	3.7772e+02	1.4357e+02
	101	-6.3651e+00	-4.5041e-15	-3.1649e+00	3.2788e+02	-3.6157e+02	1.3231e+02
	102	2.2213e+00	-4.5041e-15	-2.3812e+00	2.0211e+03	3.9621e+02	1.5510e+02
	100	2.2213e+00	-2.0172e-14	-3.4007e+00	-1.9500e+03	-4.1231e+02	1.6627e+02
783	66	9.8062e+00	-4.5386e-15	-6.4899e+00	-7.0394e+02	3.2307e+02	1.1021e+02
	99	9.8062e+00	-2.0172e-14	-5.7345e+00	5.8107e+02	-3.7329e+02	1.4219e+02
	100	7.1260e+00	-2.0172e-14	-3.8502e+00	2.2348e+03	4.1786e+02	1.7188e+02
	67	7.1260e+00	-4.5386e-15	-4.5052e+00	-2.3119e+03	-3.6767e+02	1.3958e+02
784	95	1.8461e+01	1.6113e-13	9.1709e-01	8.1025e+01	6.5176e+01	-4.0718e+02
	97	1.8461e+01	7.2202e-14	5.8179e+00	-1.3211e+02	1.0292e+02	-4.6499e+02
	98	-1.1414e+01	7.2202e-14	1.0153e+01	-4.7373e+02	-7.8710e+01	-4.4702e+02
	96	-1.1414e+01	1.6113e-13	5.1132e+00	3.5861e+02	-6.0973e+01	-3.9008e+02
785	93	2.5013e+01	4.5036e-15	-5.2659e+00	2.2141e+02	2.1358e+02	3.4791e+02
	95	2.5013e+01	1.6113e-13	-2.7676e+00	-1.2963e+02	-6.5362e+01	-4.2987e+02
	96	-1.7305e+01	1.6113e-13	-5.5474e+00	6.0500e+02	4.1644e+01	-4.3808e+02
	94	-1.7305e+01	4.5036e-15	-7.9336e+00	-7.4643e+02	-1.8604e+02	3.4948e+02
786	63	-1.6400e+01	7.2619e-14	-8.9292e+00	-7.9241e+01	3.3424e+02	2.4048e+02
	93	-1.6400e+01	4.5036e-15	-5.3431e+00	-1.9620e+02	-2.1616e+02	3.4110e+02
	94	-6.7571e+00	4.5036e-15	-1.0076e+01	1.3536e+03	1.3486e+02	-3.7425e+02
	62	-6.7571e+00	7.2619e-14	-1.3728e+01	-1.7778e+03	-2.5062e+02	2.5892e+02
787	88	-7.7810e+00	5.2650e-14	1.8359e+00	-8.5220e+02	4.7616e+01	-3.3601e+02
	90	-7.7810e+00	1.4321e-14	2.7328e+00	1.5582e+03	-1.9637e+02	1.8642e+02
	92	2.8316e+00	2.6481e-14	8.1990e-01	2.1291e+03	-7.7256e+01	-3.3056e+02
	89	2.8316e+00	3.9787e-14	-7.5904e-01	-9.4064e+02	1.3454e+02	-5.0639e+02
788	86	-8.0052e+00	1.3203e-14	-3.1874e+00	-1.7922e+03	-5.9778e+01	-3.6578e+02
	88	-8.0052e+00	-2.5888e-14	-2.4537e+00	2.1330e+03	-1.1747e+02	-3.0583e+02
	89	4.1931e+00	-1.0809e-14	1.8174e+00	1.7411e+03	-1.1530e+02	-5.1844e+02
	87	4.1931e+00	-8.8527e-15	2.6978e+00	-1.1793e+03	1.8921e+02	-5.9640e+02
789	65	1.1034e+01	-1.2752e-14	-4.9457e+00	-3.0310e+03	-7.8923e+01	-3.2403e+02
	86	1.1034e+01	-1.1153e-14	-4.6495e+00	2.7190e+03	-9.5689e+01	-3.0776e+02
	87	9.9500e+00	-5.5837e-15	5.3055e+00	1.6834e+03	-2.1375e+02	-6.2190e+02
	64	9.9500e+00	1.3279e-14	3.8369e+00	-1.8980e+03	2.4996e+02	-6.5202e+02

790	82	-8.3238e+00	1.4412e-13	-3.9965e+00	-1.3516e+03	-2.3697e+02	-3.8023e+02
	84	-8.3238e+00	-1.4413e-13	-6.9393e+00	2.0417e+03	2.9842e+02	-3.1359e+02
	85	9.9209e+00	-1.4413e-13	-2.5241e+00	1.2303e+03	-3.0030e+02	-3.1504e+02
	83	9.9209e+00	1.4412e-13	5.3214e+00	-3.6676e+02	2.3950e+02	-3.8147e+02
791	80	-8.4584e+00	3.6099e-14	-1.6772e+00	-1.5854e+03	-2.4002e+02	-4.2396e+02
	82	-8.4584e+00	1.4412e-13	-1.5265e+00	1.9163e+03	2.3996e+02	-3.9360e+02
	83	1.0908e+01	1.4412e-13	6.4986e+00	1.3194e+03	-2.4183e+02	-3.9554e+02
	81	1.0908e+01	3.6099e-14	6.2815e+00	-7.9865e+02	2.4236e+02	-4.2590e+02
792	59	2.0603e+01	-4.6424e-15	3.1230e+00	-1.7179e+03	-2.0972e+02	-3.9515e+02
	80	2.0603e+01	3.6099e-14	-8.1876e-01	1.8065e+03	2.2724e+02	-4.1847e+02
	81	1.5500e+01	3.6099e-14	5.9037e+00	1.1360e+03	-2.2978e+02	-4.2048e+02
	57	1.5500e+01	-4.6424e-15	9.5891e+00	-9.9890e+02	2.1190e+02	-3.9713e+02
793	76	-9.1331e+00	3.2086e-13	-4.3267e+00	3.0495e+02	6.9459e+02	1.6452e+02
	78	-9.1331e+00	-2.0388e-13	-1.6761e+00	1.5292e+03	-8.1063e+02	2.1489e+02
	79	9.5294e+00	2.3619e-13	-5.5538e+00	5.2042e+03	8.0410e+02	2.1064e+02
	77	9.5294e+00	2.9123e-13	-2.2116e+00	-3.5335e+03	-6.8806e+02	1.6122e+02
794	74	-8.4844e+00	1.7386e-13	4.7548e+00	-8.0504e+02	7.5570e+02	1.7105e+02
	76	-8.4844e+00	1.4429e-13	5.6039e+00	1.2792e+03	-7.3396e+02	1.5002e+02
	77	1.0008e+01	1.6228e-13	8.6636e-01	4.8044e+03	7.2684e+02	1.4636e+02
	75	1.0008e+01	1.4238e-13	7.7694e-01	-4.3747e+03	-7.4855e+02	1.6735e+02
795	55	1.8121e+01	6.2809e-14	7.7985e+00	-1.0417e+03	6.1650e+02	1.1680e+02
	74	1.8121e+01	7.2200e-14	3.0324e+00	1.1376e+03	-7.5687e+02	1.7230e+02
	75	1.6481e+01	7.8267e-14	1.2598e+00	4.4784e+03	7.4990e+02	1.6838e+02
	56	1.6481e+01	7.4972e-14	5.9477e+00	-4.2783e+03	-6.0953e+02	1.1516e+02
796	503	-9.4301e+00	-3.5889e-15	-3.9536e+00	-3.6975e+03	1.7846e+02	7.9789e+01
	72	-9.4301e+00	-1.3916e-15	-2.8028e+00	1.4815e+03	-9.7742e+01	1.8417e+02
	73	-2.9560e+00	9.0458e-16	6.3275e-01	1.0145e+03	-2.2501e+02	-4.8666e+02
	504	-2.9560e+00	-1.1878e-15	-1.2263e+00	-3.4202e+03	1.6284e+02	-3.8304e+02
797	496	-1.5502e+01	-1.1243e-15	-2.3519e+00	2.0182e+03	3.2021e+02	1.4759e+02
	70	-1.5502e+01	4.2530e-15	-6.2105e+00	-1.6927e+03	-4.1394e+02	2.0854e+02
	71	-2.6549e+01	-6.6596e-15	-2.2321e+00	-2.4937e+02	3.5356e+02	1.6982e+02
	497	-2.6549e+01	-2.5556e-15	2.4720e+00	6.3955e+02	-2.5969e+02	1.0904e+02
798	498	-3.1392e+01	3.3163e-15	-1.1972e+01	1.7032e+02	9.9977e+01	3.5235e+01
	68	-3.1392e+01	-1.4856e-13	-1.1162e+01	-2.4711e+02	-2.6719e+02	8.3087e+01
	69	3.4915e+01	-1.4543e-13	-1.1149e+01	1.8138e+02	2.6366e+02	8.1960e+01
	499	3.4915e+01	2.9722e-15	-1.1956e+01	-1.8427e+02	-9.6406e+01	3.6178e+01
799	495	3.0809e+01	1.2666e-15	-1.8338e+00	-6.1966e+02	1.9637e+02	6.5098e+01
	66	3.0809e+01	-4.5386e-15	-2.5786e+00	2.4019e+02	-3.0666e+02	1.3475e+02
	67	1.1236e+01	-4.5386e-15	-7.3537e+00	1.4419e+03	3.5952e+02	1.6892e+02
	494	1.1236e+01	1.2666e-15	-4.9837e+00	-1.7393e+03	-2.4939e+02	9.8550e+01
800	493	1.4649e+01	-2.1002e-15	3.4447e+00	2.8278e+03	-7.1518e+01	-2.9903e+02
	64	1.4649e+01	6.6664e-15	4.4175e+00	-5.8612e+02	3.2070e+02	-5.9353e+02
	65	3.6599e+01	2.7872e-15	-1.8548e+00	-1.6421e+03	-4.7503e+01	-2.8871e+02
	492	3.6599e+01	2.2853e-15	-3.0484e+00	3.2090e+03	-2.1461e+02	1.0633e+02
801	500	5.2001e+01	5.6747e-16	1.2494e+01	5.1013e+02	-7.3585e+01	-2.0977e+02
	62	5.2001e+01	7.2619e-14	9.8144e+00	-8.6418e+02	-2.2730e+02	1.9837e+02
	63	-8.9350e+01	7.2619e-14	2.4308e+01	1.6744e+02	2.4733e+02	1.9533e+02
	501	-8.9350e+01	5.6747e-16	2.6943e+01	-3.1260e+02	-8.5539e+01	-1.9413e+02
802	489	-6.0865e+01	1.7005e-15	-6.9458e+00	3.7168e+03	1.3046e+02	-1.6317e+02
	57	-6.0865e+01	-4.6424e-15	-1.0818e+01	-7.9302e+02	2.1118e+02	-3.2136e+02
	59	6.8853e+01	-4.6424e-15	-7.2172e+00	-1.2798e+03	-2.5128e+02	-3.5081e+02
	488	6.8853e+01	1.7005e-15	-3.3324e+00	3.9609e+03	1.1346e+02	-1.8960e+02
803	482	6.8027e+01	-3.2564e-15	2.1696e+00	-7.7253e+03	-5.9655e+02	-6.4349e+02
	55	6.8027e+01	-2.5190e-15	7.3828e+00	1.5971e+03	-5.7760e+02	1.7502e+02
	56	-6.6439e+01	-5.2558e-15	1.4285e+01	2.2789e+03	6.6568e+02	2.3261e+02
	483	-6.6439e+01	-2.0498e-15	8.9670e+00	-7.3447e+03	5.0836e+02	-5.8484e+02
804	474	-4.0677e+01	2.2155e-15	-4.7879e+00	-3.7274e+03	1.3539e+02	-1.5441e+02

	4	-4.0677e+01	4.5093e-14	-3.7805e+00	5.1697e+02	-3.8617e+02	8.1703e+01
	54	3.4076e+01	4.7717e-14	-1.3123e+00	1.7720e+03	4.3579e+02	1.0294e+02
	475	3.4076e+01	-2.0972e-15	-2.2791e+00	-4.8805e+03	-1.8095e+02	-1.2487e+02
805	479	-4.1846e+01	-3.1146e-15	-3.5666e+00	-3.1324e+03	-1.0008e+02	-2.0568e+02
	2	-4.1846e+01	-3.9744e-14	-2.5208e+00	1.0401e+03	1.5680e+02	-3.0135e+02
	3	3.4971e+01	-4.6465e-14	-3.0607e+00	7.7675e+02	-1.2599e+02	-2.7825e+02
	478	3.4971e+01	-3.5605e-15	-4.0782e+00	-2.9766e+03	1.0840e+02	-1.8368e+02
1	12	0.0000e+00	0.0000e+00	0.0000e+00	-5.1183e+03	-2.7812e+03	-3.7255e+02
	17	0.0000e+00	0.0000e+00	0.0000e+00	-5.5059e+03	-2.7719e+03	7.2867e+02
	36	0.0000e+00	0.0000e+00	0.0000e+00	-3.9779e+03	1.2991e+02	-5.2885e+02
2	36	0.0000e+00	0.0000e+00	0.0000e+00	-5.1037e+02	2.4532e+03	1.2460e+03
	12	0.0000e+00	0.0000e+00	0.0000e+00	2.4366e+03	3.7935e+03	1.2303e+02
	466	0.0000e+00	0.0000e+00	0.0000e+00	9.7630e+02	6.2642e+02	1.4276e+03
3	17	0.0000e+00	0.0000e+00	0.0000e+00	-5.4026e+03	-2.2901e+03	-4.6070e+02
	12	0.0000e+00	0.0000e+00	0.0000e+00	-4.7866e+03	-2.3722e+03	8.1267e+02
	19	0.0000e+00	0.0000e+00	0.0000e+00	-3.8499e+03	3.3348e+02	-8.6375e+02
4	12	0.0000e+00	0.0000e+00	0.0000e+00	-3.6377e+03	-2.0228e+03	-3.0849e+02
	466	0.0000e+00	0.0000e+00	0.0000e+00	-3.2448e+02	-1.9514e+03	-1.8515e+02
	516	0.0000e+00	0.0000e+00	0.0000e+00	-1.0817e+03	2.0039e+01	-2.0978e+02
5	19	0.0000e+00	0.0000e+00	0.0000e+00	3.9504e+02	-3.7603e+03	-2.8961e+03
	12	0.0000e+00	0.0000e+00	0.0000e+00	-3.9003e+03	-3.7638e+03	-1.5832e+03
	516	0.0000e+00	0.0000e+00	0.0000e+00	-1.4704e+03	-1.3439e+03	-2.0603e+03
6	346	0.0000e+00	0.0000e+00	0.0000e+00	-1.9562e+03	-1.6830e+03	-1.2296e+03
	335	0.0000e+00	0.0000e+00	0.0000e+00	-3.0541e+02	-1.1015e+03	-1.1867e+03
	16	0.0000e+00	0.0000e+00	0.0000e+00	7.6657e+02	2.5782e+02	-6.2346e+02
7	16	0.0000e+00	0.0000e+00	0.0000e+00	2.7364e+02	-3.3897e+03	-2.6560e+02
	346	0.0000e+00	0.0000e+00	0.0000e+00	2.9724e+03	-6.1583e+02	-4.5779e+02
	19	0.0000e+00	0.0000e+00	0.0000e+00	1.5077e+03	-2.3300e+03	9.0227e+02
8	16	0.0000e+00	0.0000e+00	0.0000e+00	5.2106e+02	2.5790e+03	9.1827e+01
	335	0.0000e+00	0.0000e+00	0.0000e+00	-1.6295e+03	1.1167e+03	5.7164e+02
	463	0.0000e+00	0.0000e+00	0.0000e+00	1.3002e+03	1.1627e+03	-1.3675e+03
9	16	0.0000e+00	0.0000e+00	0.0000e+00	-2.1994e+03	3.1641e+02	-1.2949e+03
	19	0.0000e+00	0.0000e+00	0.0000e+00	7.4667e+02	1.0025e+03	-2.0490e+03
	15	0.0000e+00	0.0000e+00	0.0000e+00	-2.9005e+03	-3.2658e+03	-4.8984e+02
10	19	0.0000e+00	0.0000e+00	0.0000e+00	-3.3864e+03	1.3562e+03	2.7655e+03
	15	0.0000e+00	0.0000e+00	0.0000e+00	2.3839e+03	3.4620e+02	4.5712e+02
	17	0.0000e+00	0.0000e+00	0.0000e+00	-1.2823e+03	-2.8668e+03	8.3492e+02
11	15	0.0000e+00	0.0000e+00	0.0000e+00	-6.8348e+02	-9.8315e+02	1.8109e+03
	17	0.0000e+00	0.0000e+00	0.0000e+00	2.2947e+03	5.7481e+02	2.2023e+03
	35	0.0000e+00	0.0000e+00	0.0000e+00	-1.2761e+02	8.1963e+02	3.2406e+03
12	15	0.0000e+00	0.0000e+00	0.0000e+00	-1.5113e+03	-4.9592e+03	-1.4916e+03
	35	0.0000e+00	0.0000e+00	0.0000e+00	4.8423e+02	-3.3878e+03	-2.4574e+03
	10	0.0000e+00	0.0000e+00	0.0000e+00	-2.2604e+03	-5.1602e+03	-3.5947e+02
13	10	0.0000e+00	0.0000e+00	0.0000e+00	4.9283e+03	5.4845e+03	1.6760e+03
	15	0.0000e+00	0.0000e+00	0.0000e+00	4.3658e+03	4.2311e+03	-1.8350e+02
	16	0.0000e+00	0.0000e+00	0.0000e+00	1.7453e+03	1.0562e+03	-2.1907e+03
14	10	0.0000e+00	0.0000e+00	0.0000e+00	6.7172e+03	5.5600e+03	-7.4463e+02
	16	0.0000e+00	0.0000e+00	0.0000e+00	-8.5862e+02	3.8819e+03	-1.3031e+03
	463	0.0000e+00	0.0000e+00	0.0000e+00	3.5923e+02	2.1334e+03	-1.9171e+03
24	584	0.0000e+00	0.0000e+00	0.0000e+00	3.7336e+02	-1.4330e+02	6.2504e+02
	511	0.0000e+00	0.0000e+00	0.0000e+00	1.6957e+03	5.3240e+02	8.9229e+02
	32	0.0000e+00	0.0000e+00	0.0000e+00	1.5324e+03	9.2584e+02	1.3594e+03
25	412	0.0000e+00	0.0000e+00	0.0000e+00	4.7653e+02	8.2006e+02	2.5980e+02
	584	0.0000e+00	0.0000e+00	0.0000e+00	-9.3012e+02	3.2723e+02	1.5604e+02
	511	0.0000e+00	0.0000e+00	0.0000e+00	-1.9380e+03	-3.1944e+02	-2.9652e+02

26	52	0.0000e+00	0.0000e+00	0.0000e+00	-1.1325e+03	-1.1969e+03	4.9109e+02
	584	0.0000e+00	0.0000e+00	0.0000e+00	6.3973e+02	-3.4215e+02	4.2935e+02
	32	0.0000e+00	0.0000e+00	0.0000e+00	1.9787e+03	7.2373e+02	8.7469e+02
27	412	0.0000e+00	0.0000e+00	0.0000e+00	1.1593e+03	6.9491e+02	-3.8646e+02
	52	0.0000e+00	0.0000e+00	0.0000e+00	-2.7709e+02	8.5761e+02	-7.1905e+02
	584	0.0000e+00	0.0000e+00	0.0000e+00	-1.6404e+02	-8.1630e+02	-2.0620e+02
124	52	0.0000e+00	0.0000e+00	0.0000e+00	-7.3048e+02	-1.8484e+03	6.3185e+02
	464	0.0000e+00	0.0000e+00	0.0000e+00	1.5949e+03	8.8844e+02	7.5045e+01
	421	0.0000e+00	0.0000e+00	0.0000e+00	7.1458e+02	-3.3617e+02	5.2532e+02
	536	0.0000e+00	0.0000e+00	0.0000e+00	-5.2335e+02	5.1584e+02	1.1030e+03
129	5	0.0000e+00	0.0000e+00	0.0000e+00	2.6626e+03	-8.6257e+02	-6.5553e+02
	586	0.0000e+00	0.0000e+00	0.0000e+00	-1.8000e+03	-1.1399e+03	-3.7631e+03
	535	0.0000e+00	0.0000e+00	0.0000e+00	3.9633e+02	-1.2235e+03	-4.4106e+02
130	535	0.0000e+00	0.0000e+00	0.0000e+00	-6.0756e+02	-6.6524e+02	9.9222e+02
	586	0.0000e+00	0.0000e+00	0.0000e+00	1.7422e+03	-3.7355e+02	4.1576e+02
	28	0.0000e+00	0.0000e+00	0.0000e+00	-1.8785e+03	-1.0168e+03	1.6417e+03
131	28	0.0000e+00	0.0000e+00	0.0000e+00	-2.3085e+03	-3.1510e+03	-1.2400e+02
	27	0.0000e+00	0.0000e+00	0.0000e+00	-1.0406e+03	-1.3417e+03	5.6255e+02
	534	0.0000e+00	0.0000e+00	0.0000e+00	-1.3664e+03	-1.3157e+03	1.8513e+03
	535	0.0000e+00	0.0000e+00	0.0000e+00	-4.4391e+02	-1.6959e+03	1.1350e+03
132	204	0.0000e+00	0.0000e+00	0.0000e+00	2.8327e+03	1.4661e+03	2.7309e+03
	5	0.0000e+00	0.0000e+00	0.0000e+00	3.9130e+03	-3.9785e+02	1.6605e+03
	535	0.0000e+00	0.0000e+00	0.0000e+00	1.5205e+03	-1.4523e+03	9.2322e+02
	534	0.0000e+00	0.0000e+00	0.0000e+00	-1.6884e+03	-1.7435e+03	2.0964e+03
133	462	0.0000e+00	0.0000e+00	0.0000e+00	-2.5017e+02	4.5832e+02	-3.6527e+02
	414	0.0000e+00	0.0000e+00	0.0000e+00	-4.2085e+01	6.4040e+02	4.1600e+02
	6	0.0000e+00	0.0000e+00	0.0000e+00	4.5954e+02	-6.0035e+03	-1.4618e+03
	533	0.0000e+00	0.0000e+00	0.0000e+00	1.7015e+02	4.7237e+02	-2.1263e+03
134	534	0.0000e+00	0.0000e+00	0.0000e+00	-2.6736e+03	-3.6946e+02	-1.0605e+03
	27	0.0000e+00	0.0000e+00	0.0000e+00	-1.1907e+03	-1.2067e+03	-7.3828e+01
	462	0.0000e+00	0.0000e+00	0.0000e+00	-4.6824e+02	4.0419e+02	1.1991e+02
	533	0.0000e+00	0.0000e+00	0.0000e+00	-1.5041e+03	3.9456e+02	-1.3954e+03
135	204	0.0000e+00	0.0000e+00	0.0000e+00	2.6849e+02	2.4852e+03	-2.1670e+03
	534	0.0000e+00	0.0000e+00	0.0000e+00	-2.6711e+03	-6.7583e+02	-1.6535e+03
	533	0.0000e+00	0.0000e+00	0.0000e+00	-1.3252e+03	-1.5494e+03	-2.0991e+03
	6	0.0000e+00	0.0000e+00	0.0000e+00	-5.4883e+02	-2.3556e+03	-3.2013e+03
136	454	0.0000e+00	0.0000e+00	0.0000e+00	1.2034e+03	3.4738e+02	-1.9240e+03
	515	0.0000e+00	0.0000e+00	0.0000e+00	-1.8001e+02	4.1046e+02	-1.7340e+03
	582	0.0000e+00	0.0000e+00	0.0000e+00	7.6018e+02	7.8290e+02	-1.8126e+03
137	582	0.0000e+00	0.0000e+00	0.0000e+00	2.4100e+03	1.0751e+03	-7.7332e+02
	515	0.0000e+00	0.0000e+00	0.0000e+00	1.8904e+03	-1.0794e+03	-3.8391e+02
	532	0.0000e+00	0.0000e+00	0.0000e+00	2.4357e+03	1.9591e+02	-1.8518e+03
138	515	0.0000e+00	0.0000e+00	0.0000e+00	3.2534e+02	3.3942e+02	-1.2872e+03
	516	0.0000e+00	0.0000e+00	0.0000e+00	9.0447e+01	1.3960e+03	-4.6073e+02
	11	0.0000e+00	0.0000e+00	0.0000e+00	7.0045e+02	3.1667e+03	-4.6011e+02
139	11	0.0000e+00	0.0000e+00	0.0000e+00	-2.3725e+03	-1.5221e+03	1.3529e+03
	515	0.0000e+00	0.0000e+00	0.0000e+00	4.1581e+02	-8.8655e+02	1.4667e+03
	532	0.0000e+00	0.0000e+00	0.0000e+00	-2.0462e+03	-1.9802e+03	1.6294e+03
140	346	0.0000e+00	0.0000e+00	0.0000e+00	2.3852e+03	4.2850e+02	-8.2959e+02
	11	0.0000e+00	0.0000e+00	0.0000e+00	5.5582e+03	5.4759e+02	8.0884e+02
	19	0.0000e+00	0.0000e+00	0.0000e+00	2.9800e+03	-2.9898e+03	-1.2977e+03
141	11	0.0000e+00	0.0000e+00	0.0000e+00	2.2422e+03	3.2329e+03	-1.6421e+03
	516	0.0000e+00	0.0000e+00	0.0000e+00	9.7701e+02	2.0702e+03	-1.5369e+03
	19	0.0000e+00	0.0000e+00	0.0000e+00	2.1249e+03	2.3052e+03	-2.8525e+03
142	514	0.0000e+00	0.0000e+00	0.0000e+00	1.1166e+03	6.0007e+02	-7.4804e+02
	532	0.0000e+00	0.0000e+00	0.0000e+00	3.3495e+03	4.1040e+02	1.5953e+02

	11	0.0000e+00	0.0000e+00	0.0000e+00	4.9287e+03	2.1513e+03	2.4203e+02
	346	0.0000e+00	0.0000e+00	0.0000e+00	1.2303e+03	1.6615e+03	-4.6905e+02
143	463	0.0000e+00	0.0000e+00	0.0000e+00	3.1806e+02	-3.4767e+03	-2.3496e+02
	513	0.0000e+00	0.0000e+00	0.0000e+00	1.6103e+03	-5.8725e+02	4.3386e+02
	530	0.0000e+00	0.0000e+00	0.0000e+00	9.3400e+02	-4.6721e+02	1.3427e+03
	335	0.0000e+00	0.0000e+00	0.0000e+00	1.4510e+03	-8.1416e+02	1.3312e+03
144	514	0.0000e+00	0.0000e+00	0.0000e+00	3.5395e+02	1.5769e+03	8.2725e+02
	346	0.0000e+00	0.0000e+00	0.0000e+00	1.3716e+03	2.4628e+03	8.6955e+02
	335	0.0000e+00	0.0000e+00	0.0000e+00	1.0428e+03	9.4829e+02	1.4706e+03
	530	0.0000e+00	0.0000e+00	0.0000e+00	-1.5260e+02	1.0019e+03	1.2557e+03
145	531	0.0000e+00	0.0000e+00	0.0000e+00	4.1959e+02	1.8367e+02	5.9643e+02
	451	0.0000e+00	0.0000e+00	0.0000e+00	5.2016e+01	6.3353e+02	4.6296e+02
	454	0.0000e+00	0.0000e+00	0.0000e+00	-1.4062e+03	-3.7592e+02	-2.2548e+02
	582	0.0000e+00	0.0000e+00	0.0000e+00	7.0762e+02	1.0311e+03	-3.1807e+02
146	514	0.0000e+00	0.0000e+00	0.0000e+00	8.1754e+02	1.0147e+03	9.8442e+02
	531	0.0000e+00	0.0000e+00	0.0000e+00	-2.8538e+02	6.3341e+02	6.7763e+02
	582	0.0000e+00	0.0000e+00	0.0000e+00	-4.2674e+02	1.4619e+03	-1.8009e+02
	532	0.0000e+00	0.0000e+00	0.0000e+00	2.2042e+02	2.4667e+03	-1.8294e+02
147	450	0.0000e+00	0.0000e+00	0.0000e+00	8.6306e+02	7.1980e+02	-9.3544e+02
	451	0.0000e+00	0.0000e+00	0.0000e+00	-5.7207e+02	3.3132e+02	-5.6751e+02
	531	0.0000e+00	0.0000e+00	0.0000e+00	5.7229e+02	-2.4485e+02	-6.7205e+02
	469	0.0000e+00	0.0000e+00	0.0000e+00	-2.6053e+02	2.1982e+02	-9.9266e+02
148	530	0.0000e+00	0.0000e+00	0.0000e+00	-9.6918e+02	1.4531e+03	-2.7942e+02
	513	0.0000e+00	0.0000e+00	0.0000e+00	-5.8069e+02	5.2129e+02	-2.6990e+02
	450	0.0000e+00	0.0000e+00	0.0000e+00	2.5144e+02	9.0676e+02	-5.2602e+02
	469	0.0000e+00	0.0000e+00	0.0000e+00	-8.0097e+02	1.7350e+03	-6.5842e+02
149	514	0.0000e+00	0.0000e+00	0.0000e+00	6.1414e+02	7.1314e+02	-1.0743e+03
	530	0.0000e+00	0.0000e+00	0.0000e+00	-1.3163e+02	1.3916e+03	-1.3110e+03
	469	0.0000e+00	0.0000e+00	0.0000e+00	-4.0576e+02	8.0782e+02	-9.6320e+02
	531	0.0000e+00	0.0000e+00	0.0000e+00	3.7339e+02	5.4026e+02	-8.1966e+02
150	21	0.0000e+00	0.0000e+00	0.0000e+00	9.7869e+02	2.4774e+02	1.4970e+02
	22	0.0000e+00	0.0000e+00	0.0000e+00	7.6228e+02	4.7430e+02	8.2415e+02
	30	0.0000e+00	0.0000e+00	0.0000e+00	1.2413e+03	8.0513e+02	1.0166e+03
151	171	0.0000e+00	0.0000e+00	0.0000e+00	-1.5549e+03	-1.2014e+03	7.3232e+01
	30	0.0000e+00	0.0000e+00	0.0000e+00	-1.2071e+03	-1.7233e+03	8.0239e+02
	21	0.0000e+00	0.0000e+00	0.0000e+00	-1.0511e+03	-1.7500e+03	-3.6155e+02
152	171	0.0000e+00	0.0000e+00	0.0000e+00	-6.4763e+02	-1.8291e+03	2.0925e+02
	21	0.0000e+00	0.0000e+00	0.0000e+00	-1.3557e+03	-1.4686e+03	6.6478e+02
	413	0.0000e+00	0.0000e+00	0.0000e+00	-2.0238e+02	5.8489e+02	9.7916e+02
153	413	0.0000e+00	0.0000e+00	0.0000e+00	-1.0656e+03	3.3151e+02	-2.1269e+02
	171	0.0000e+00	0.0000e+00	0.0000e+00	1.7441e+03	1.4819e+03	-6.9576e+01
	398	0.0000e+00	0.0000e+00	0.0000e+00	-3.6285e+02	1.0457e+03	7.1802e+02
154	524	0.0000e+00	0.0000e+00	0.0000e+00	-1.0300e+03	2.5715e+02	4.1947e+02
	526	0.0000e+00	0.0000e+00	0.0000e+00	-1.5084e+02	8.6136e+01	3.1063e+02
	525	0.0000e+00	0.0000e+00	0.0000e+00	-3.0289e+02	1.0042e+03	6.3550e+01
155	524	0.0000e+00	0.0000e+00	0.0000e+00	3.0157e+02	-1.1601e+03	2.7647e+02
	525	0.0000e+00	0.0000e+00	0.0000e+00	7.0950e+02	-1.7406e+03	7.0784e+02
	34	0.0000e+00	0.0000e+00	0.0000e+00	4.9092e+02	-2.8746e+03	-3.9467e+01
156	23	0.0000e+00	0.0000e+00	0.0000e+00	2.1165e+02	-3.8974e+02	5.3005e+02
	513	0.0000e+00	0.0000e+00	0.0000e+00	1.7470e+03	-4.8980e+02	4.0731e+02
	450	0.0000e+00	0.0000e+00	0.0000e+00	1.0496e+03	-4.1827e+02	3.1214e+02
157	425	0.0000e+00	0.0000e+00	0.0000e+00	6.1105e+02	1.4251e+03	4.7759e+02
	450	0.0000e+00	0.0000e+00	0.0000e+00	-8.0570e+02	1.4397e+03	1.8867e+02
	23	0.0000e+00	0.0000e+00	0.0000e+00	-1.5301e+02	9.1802e+02	3.9312e+02
158	34	0.0000e+00	0.0000e+00	0.0000e+00	2.9650e+03	1.7660e+02	-3.7998e+02
	524	0.0000e+00	0.0000e+00	0.0000e+00	1.1153e+03	2.9075e+02	1.5721e+02

	33	0.0000e+00	0.0000e+00	0.0000e+00	1.7708e+03	-2.0416e+02	4.2187e+02
159	33	0.0000e+00	0.0000e+00	0.0000e+00	-8.3840e+02	1.2275e+03	-7.0863e+02
	34	0.0000e+00	0.0000e+00	0.0000e+00	-7.0090e+02	-7.3850e+02	-7.8344e+02
	465	0.0000e+00	0.0000e+00	0.0000e+00	-7.6974e+02	9.5374e+02	-1.5356e+03
160	33	0.0000e+00	0.0000e+00	0.0000e+00	-1.0155e+03	-3.6247e+02	1.8896e+02
	465	0.0000e+00	0.0000e+00	0.0000e+00	-1.8497e+03	-4.8434e+02	2.1224e+02
	512	0.0000e+00	0.0000e+00	0.0000e+00	-1.0622e+03	3.9029e+01	1.1963e+02
161	465	0.0000e+00	0.0000e+00	0.0000e+00	2.7436e+03	-4.0444e+02	-6.1559e+02
	34	0.0000e+00	0.0000e+00	0.0000e+00	1.0267e+03	3.9920e+02	5.5525e+02
	10	0.0000e+00	0.0000e+00	0.0000e+00	2.9737e+03	2.4549e+03	1.4941e+03
162	10	0.0000e+00	0.0000e+00	0.0000e+00	2.7065e+03	2.5144e+03	-1.4896e+03
	34	0.0000e+00	0.0000e+00	0.0000e+00	1.5552e+02	1.6207e+02	-2.0191e+03
	35	0.0000e+00	0.0000e+00	0.0000e+00	2.3392e+03	-2.5110e+03	-3.7304e+03
163	35	0.0000e+00	0.0000e+00	0.0000e+00	-2.9021e+03	1.6683e+03	8.9277e+02
	17	0.0000e+00	0.0000e+00	0.0000e+00	-8.3709e+01	4.3306e+03	9.9702e+02
	36	0.0000e+00	0.0000e+00	0.0000e+00	-1.3518e+02	1.0984e+03	3.5608e+03
164	529	0.0000e+00	0.0000e+00	0.0000e+00	5.7744e+02	2.7110e+02	-9.0237e+01
	526	0.0000e+00	0.0000e+00	0.0000e+00	8.5508e+01	3.2097e+02	-1.4928e+02
	42	0.0000e+00	0.0000e+00	0.0000e+00	-3.4049e+02	-5.7484e+02	-2.0842e+02
	127	0.0000e+00	0.0000e+00	0.0000e+00	5.6344e+02	-2.1246e+02	-1.5041e+02
165	33	0.0000e+00	0.0000e+00	0.0000e+00	-9.9610e+01	2.0936e+02	-4.0446e+02
	524	0.0000e+00	0.0000e+00	0.0000e+00	8.3694e+02	1.1124e+03	-4.9144e+02
	526	0.0000e+00	0.0000e+00	0.0000e+00	1.6597e+02	8.6531e+01	-2.6530e+02
	529	0.0000e+00	0.0000e+00	0.0000e+00	4.7548e+02	4.1078e+02	-1.6892e+02
166	528	0.0000e+00	0.0000e+00	0.0000e+00	1.5392e+03	2.0250e+02	-9.3756e+01
	529	0.0000e+00	0.0000e+00	0.0000e+00	5.1949e+02	2.1123e+02	-6.6827e+01
	127	0.0000e+00	0.0000e+00	0.0000e+00	5.4664e+01	-2.5193e+02	-6.7676e+01
	126	0.0000e+00	0.0000e+00	0.0000e+00	1.7893e+03	-2.6064e+02	-9.8487e+01
167	32	0.0000e+00	0.0000e+00	0.0000e+00	1.2307e+03	-2.9191e+02	-7.7747e+01
	33	0.0000e+00	0.0000e+00	0.0000e+00	1.0558e+03	5.8091e+01	-1.1739e+02
	529	0.0000e+00	0.0000e+00	0.0000e+00	6.5338e+02	2.3015e+02	-9.8858e+01
	528	0.0000e+00	0.0000e+00	0.0000e+00	1.4847e+03	4.8938e+02	1.1553e+02
168	511	0.0000e+00	0.0000e+00	0.0000e+00	1.6826e+03	5.7049e+02	2.3086e+02
	512	0.0000e+00	0.0000e+00	0.0000e+00	1.2121e+03	4.5534e+02	-2.2892e+02
	33	0.0000e+00	0.0000e+00	0.0000e+00	1.0083e+03	-7.5872e+01	-2.1519e+02
	32	0.0000e+00	0.0000e+00	0.0000e+00	1.4145e+03	-3.6114e+02	1.9696e+02
169	464	0.0000e+00	0.0000e+00	0.0000e+00	1.1009e+03	1.4460e+03	5.2769e+01
	528	0.0000e+00	0.0000e+00	0.0000e+00	8.8796e+02	3.8957e+02	-2.2254e+02
	126	0.0000e+00	0.0000e+00	0.0000e+00	2.1660e+03	-2.3350e+02	-6.7463e+02
	1	0.0000e+00	0.0000e+00	0.0000e+00	-5.3895e+02	-4.9983e+02	-2.4623e+02
170	52	0.0000e+00	0.0000e+00	0.0000e+00	-4.1039e+02	-8.1219e+02	1.0867e+02
	32	0.0000e+00	0.0000e+00	0.0000e+00	2.2733e+03	-2.7572e+02	-1.1486e+02
	528	0.0000e+00	0.0000e+00	0.0000e+00	5.9313e+02	5.1921e+02	-2.4381e+02
	464	0.0000e+00	0.0000e+00	0.0000e+00	1.3546e+03	1.6633e+03	-3.1322e+02
171	527	0.0000e+00	0.0000e+00	0.0000e+00	-7.0566e+01	-5.2297e+02	1.2611e+02
	521	0.0000e+00	0.0000e+00	0.0000e+00	5.7525e+02	9.9099e+01	6.0548e+01
	45	0.0000e+00	0.0000e+00	0.0000e+00	1.8961e+02	-3.1042e+02	2.0020e+02
	506	0.0000e+00	0.0000e+00	0.0000e+00	-3.0654e+01	1.0221e+02	1.8029e+02
172	35	0.0000e+00	0.0000e+00	0.0000e+00	3.8483e+02	1.1495e+03	2.0284e+03
	36	0.0000e+00	0.0000e+00	0.0000e+00	1.6729e+03	-1.1373e+03	9.3610e+02
	521	0.0000e+00	0.0000e+00	0.0000e+00	3.6698e+02	-3.2864e+02	-6.3346e+01
	527	0.0000e+00	0.0000e+00	0.0000e+00	9.2539e+02	-1.3211e+02	-1.5905e+02
173	525	0.0000e+00	0.0000e+00	0.0000e+00	-8.7783e+01	3.3886e+02	5.5187e+02
	527	0.0000e+00	0.0000e+00	0.0000e+00	9.7096e+01	-5.5621e+02	3.9038e+02
	506	0.0000e+00	0.0000e+00	0.0000e+00	9.1288e+01	1.6763e+02	8.5494e+01
	44	0.0000e+00	0.0000e+00	0.0000e+00	5.9332e+01	3.5910e+02	-9.0244e+01

174	34	0.0000e+00	0.0000e+00	0.0000e+00	-1.8567e+03	3.1514e+02	3.5270e+01
	35	0.0000e+00	0.0000e+00	0.0000e+00	-1.9532e+03	2.6598e+02	1.5907e+03
	527	0.0000e+00	0.0000e+00	0.0000e+00	2.0282e+02	-3.7724e+02	9.0373e+02
	525	0.0000e+00	0.0000e+00	0.0000e+00	-9.6565e+02	9.8342e+02	2.6006e+02
175	526	0.0000e+00	0.0000e+00	0.0000e+00	-1.0148e+02	3.5941e+02	-1.8237e+02
	525	0.0000e+00	0.0000e+00	0.0000e+00	-4.7928e+02	3.2068e+02	1.0704e+02
	44	0.0000e+00	0.0000e+00	0.0000e+00	4.6493e+02	2.6440e+02	7.5205e+01
	42	0.0000e+00	0.0000e+00	0.0000e+00	-5.2611e+02	4.0748e+02	-7.3080e+01
176	522	0.0000e+00	0.0000e+00	0.0000e+00	-3.9376e+02	-3.6843e+02	2.9768e+02
	588	0.0000e+00	0.0000e+00	0.0000e+00	-4.8246e+02	-2.4482e+03	-1.9622e+02
	7	0.0000e+00	0.0000e+00	0.0000e+00	1.1217e+02	7.2228e+02	-9.7195e+02
	47	0.0000e+00	0.0000e+00	0.0000e+00	-1.5569e+03	-2.1418e+02	-6.4015e+02
177	38	0.0000e+00	0.0000e+00	0.0000e+00	-2.4323e+03	6.2567e+02	1.4387e+02
	39	0.0000e+00	0.0000e+00	0.0000e+00	4.4886e+02	2.8468e+03	4.9407e+02
	588	0.0000e+00	0.0000e+00	0.0000e+00	-4.4385e+02	-2.5209e+03	4.3030e+02
	522	0.0000e+00	0.0000e+00	0.0000e+00	-2.8785e+02	-2.9746e+01	-1.1390e+02
178	518	0.0000e+00	0.0000e+00	0.0000e+00	-1.9393e+03	-5.8402e+02	-3.7459e+02
	587	0.0000e+00	0.0000e+00	0.0000e+00	8.7532e+02	-1.5987e+03	-6.5040e+02
	39	0.0000e+00	0.0000e+00	0.0000e+00	4.7395e+02	2.7389e+03	-3.2149e+02
	38	0.0000e+00	0.0000e+00	0.0000e+00	-2.3099e+03	2.5558e+02	-1.0642e+02
179	520	0.0000e+00	0.0000e+00	0.0000e+00	-3.6803e+02	-1.8454e+02	1.1487e+02
	522	0.0000e+00	0.0000e+00	0.0000e+00	-1.0477e+03	-6.8231e+02	-1.0471e+01
	47	0.0000e+00	0.0000e+00	0.0000e+00	-8.8057e+02	4.8901e+02	-1.5552e+02
	46	0.0000e+00	0.0000e+00	0.0000e+00	-4.9434e+02	-1.3824e+02	-3.1165e+01
180	37	0.0000e+00	0.0000e+00	0.0000e+00	-1.1351e+03	-1.9955e+02	-3.5315e+02
	38	0.0000e+00	0.0000e+00	0.0000e+00	-1.1182e+03	3.1911e+02	-5.5755e+01
	522	0.0000e+00	0.0000e+00	0.0000e+00	-1.0319e+03	-1.0307e+02	1.6607e+02
	520	0.0000e+00	0.0000e+00	0.0000e+00	-6.3615e+02	1.4645e+02	-1.1719e+02
181	517	0.0000e+00	0.0000e+00	0.0000e+00	-1.4764e+03	-4.8035e+02	-3.9451e+02
	518	0.0000e+00	0.0000e+00	0.0000e+00	-1.2712e+03	-5.9198e+02	-8.9092e+01
	38	0.0000e+00	0.0000e+00	0.0000e+00	-1.4240e+03	2.0207e+02	-1.7141e+02
	37	0.0000e+00	0.0000e+00	0.0000e+00	-1.0392e+03	6.1816e+01	-3.8477e+02
182	521	0.0000e+00	0.0000e+00	0.0000e+00	5.6990e+01	-2.1032e+02	-2.3652e+02
	520	0.0000e+00	0.0000e+00	0.0000e+00	-5.5012e+02	-2.3052e+02	-3.2884e+01
	46	0.0000e+00	0.0000e+00	0.0000e+00	-8.8310e+01	3.9476e+02	1.7472e+02
	45	0.0000e+00	0.0000e+00	0.0000e+00	1.2941e+02	-4.1465e+02	-4.0448e+01
183	36	0.0000e+00	0.0000e+00	0.0000e+00	1.5483e+03	-1.2270e+03	-8.8279e+02
	37	0.0000e+00	0.0000e+00	0.0000e+00	-4.1212e+02	3.9058e+01	-9.7209e+02
	520	0.0000e+00	0.0000e+00	0.0000e+00	-4.5096e+02	-1.3099e+02	-2.8344e+02
	521	0.0000e+00	0.0000e+00	0.0000e+00	2.8350e+01	-7.7243e+02	2.9073e+02
184	466	0.0000e+00	0.0000e+00	0.0000e+00	3.3943e+02	-2.5395e+02	-9.1587e+02
	517	0.0000e+00	0.0000e+00	0.0000e+00	-1.3963e+03	1.1800e+02	-6.1773e+02
	37	0.0000e+00	0.0000e+00	0.0000e+00	-1.1232e+03	1.2319e+02	-7.3159e+02
	36	0.0000e+00	0.0000e+00	0.0000e+00	1.8786e+03	3.7859e+02	-9.2524e+02
185	28	0.0000e+00	0.0000e+00	0.0000e+00	-3.2860e+03	-1.4177e+03	9.1049e+02
	586	0.0000e+00	0.0000e+00	0.0000e+00	-3.7383e+02	-2.8514e+03	1.7302e+03
	587	0.0000e+00	0.0000e+00	0.0000e+00	-2.4368e+02	-2.3743e+03	-4.3280e+02
	518	0.0000e+00	0.0000e+00	0.0000e+00	-1.2738e+03	1.7115e+02	-3.3647e+02
186	29	0.0000e+00	0.0000e+00	0.0000e+00	-7.6981e+02	-6.9459e+02	2.5228e+02
	28	0.0000e+00	0.0000e+00	0.0000e+00	-1.8337e+03	-1.0815e+03	2.9439e+02
	518	0.0000e+00	0.0000e+00	0.0000e+00	-1.5382e+03	-3.0818e+02	3.1308e+01
	517	0.0000e+00	0.0000e+00	0.0000e+00	-1.3333e+03	-2.7435e+02	5.5088e+01
187	26	0.0000e+00	0.0000e+00	0.0000e+00	-6.6625e+02	-5.2586e+02	1.0123e+03
	27	0.0000e+00	0.0000e+00	0.0000e+00	-7.6924e+02	-7.7276e+02	3.6520e+02
	28	0.0000e+00	0.0000e+00	0.0000e+00	-1.4836e+03	-2.4508e+03	1.0398e+02
	29	0.0000e+00	0.0000e+00	0.0000e+00	-7.5904e+02	-1.6808e+03	7.5130e+02
188	457	0.0000e+00	0.0000e+00	0.0000e+00	7.9932e+01	1.1558e+03	1.0852e+03

	462	0.0000e+00	0.0000e+00	0.0000e+00	-5.8195e+02	7.5863e+02	3.7738e+02
	27	0.0000e+00	0.0000e+00	0.0000e+00	-4.5086e+02	-8.9972e+02	4.3937e+02
	26	0.0000e+00	0.0000e+00	0.0000e+00	-5.6375e+02	-7.0254e+02	1.0920e+03
189	516	0.0000e+00	0.0000e+00	0.0000e+00	-5.2033e+02	-2.6974e+02	2.2155e+02
	29	0.0000e+00	0.0000e+00	0.0000e+00	-1.5367e+03	-3.2347e+02	1.4282e+02
	517	0.0000e+00	0.0000e+00	0.0000e+00	-1.6653e+03	1.0383e+02	-6.4052e+02
	466	0.0000e+00	0.0000e+00	0.0000e+00	6.2843e+02	1.3120e+03	-8.2694e+02
190	515	0.0000e+00	0.0000e+00	0.0000e+00	-1.1638e+03	9.2351e+02	4.9802e+02
	26	0.0000e+00	0.0000e+00	0.0000e+00	-2.1373e+03	6.4186e+02	4.1926e+02
	29	0.0000e+00	0.0000e+00	0.0000e+00	-1.6623e+03	1.0309e+02	2.5663e+02
	516	0.0000e+00	0.0000e+00	0.0000e+00	-8.0950e+02	3.4547e+02	2.7864e+02
191	454	0.0000e+00	0.0000e+00	0.0000e+00	-2.7171e+02	1.5009e+03	1.5022e+03
	457	0.0000e+00	0.0000e+00	0.0000e+00	-1.2651e+03	8.8546e+02	1.0991e+03
	26	0.0000e+00	0.0000e+00	0.0000e+00	-1.1430e+03	4.7954e+02	1.1218e+03
	515	0.0000e+00	0.0000e+00	0.0000e+00	-4.9507e+02	-2.2497e+02	1.4028e+03
192	31	0.0000e+00	0.0000e+00	0.0000e+00	-1.9105e+03	-2.1213e+03	1.1149e+03
	463	0.0000e+00	0.0000e+00	0.0000e+00	-2.3279e+03	-1.3663e+02	1.6937e+03
	10	0.0000e+00	0.0000e+00	0.0000e+00	-5.1492e+03	-5.2659e+03	-8.8675e+01
	465	0.0000e+00	0.0000e+00	0.0000e+00	1.3031e+03	-1.1927e+03	-1.9284e+02
193	23	0.0000e+00	0.0000e+00	0.0000e+00	-5.1258e+02	2.7954e+02	9.7944e+02
	513	0.0000e+00	0.0000e+00	0.0000e+00	-1.1989e+03	8.2738e+02	6.5402e+02
	463	0.0000e+00	0.0000e+00	0.0000e+00	-6.4416e+02	-8.8501e+02	8.5841e+02
	31	0.0000e+00	0.0000e+00	0.0000e+00	-1.8388e+03	-1.6595e+03	1.6418e+03
194	30	0.0000e+00	0.0000e+00	0.0000e+00	2.0772e+03	-7.5756e+02	6.4631e+02
	31	0.0000e+00	0.0000e+00	0.0000e+00	-2.3610e+03	-1.2662e+03	8.9834e+02
	465	0.0000e+00	0.0000e+00	0.0000e+00	5.6560e+02	-3.5336e+02	1.6193e+02
	512	0.0000e+00	0.0000e+00	0.0000e+00	1.3516e+03	-4.9159e+01	-3.3981e+02
195	22	0.0000e+00	0.0000e+00	0.0000e+00	5.2365e+02	6.0957e+02	1.3066e+03
	23	0.0000e+00	0.0000e+00	0.0000e+00	-1.0562e+03	7.1723e+02	1.2738e+03
	31	0.0000e+00	0.0000e+00	0.0000e+00	-1.9776e+03	-5.4724e+02	9.7471e+02
	30	0.0000e+00	0.0000e+00	0.0000e+00	1.3340e+03	8.8026e+02	1.0062e+03
196	418	0.0000e+00	0.0000e+00	0.0000e+00	6.8574e+02	4.8056e+02	1.4154e+03
	425	0.0000e+00	0.0000e+00	0.0000e+00	-6.1605e+02	-2.0790e+02	1.5425e+03
	23	0.0000e+00	0.0000e+00	0.0000e+00	-8.7919e+02	-2.2651e+02	1.4824e+03
	22	0.0000e+00	0.0000e+00	0.0000e+00	4.1212e+02	-4.0206e+02	1.3232e+03
197	171	0.0000e+00	0.0000e+00	0.0000e+00	1.9186e+03	1.3018e+03	1.4023e+02
	30	0.0000e+00	0.0000e+00	0.0000e+00	1.1593e+03	9.4869e+02	1.0080e+02
	512	0.0000e+00	0.0000e+00	0.0000e+00	1.3206e+03	1.0087e+02	-1.0003e+02
	511	0.0000e+00	0.0000e+00	0.0000e+00	1.7872e+03	-3.3538e+02	8.8670e+01
198	415	0.0000e+00	0.0000e+00	0.0000e+00	6.5751e+02	-4.5364e+02	2.1893e+02
	418	0.0000e+00	0.0000e+00	0.0000e+00	-2.4980e+02	-9.4417e+02	1.0560e+03
	22	0.0000e+00	0.0000e+00	0.0000e+00	4.9169e+02	6.2523e+02	1.0357e+03
	21	0.0000e+00	0.0000e+00	0.0000e+00	7.1178e+02	3.4449e+02	1.9329e+02
199	398	0.0000e+00	0.0000e+00	0.0000e+00	-2.5736e+02	-2.0456e+02	-2.5402e+02
	171	0.0000e+00	0.0000e+00	0.0000e+00	1.9395e+03	1.0138e+03	1.0005e+02
	511	0.0000e+00	0.0000e+00	0.0000e+00	1.6485e+03	-1.5049e+02	6.6903e+02
	412	0.0000e+00	0.0000e+00	0.0000e+00	-7.4644e+02	-3.2502e+02	-7.7882e+01
200	53	0.0000e+00	0.0000e+00	0.0000e+00	4.5686e+02	-1.8025e+03	-8.5564e+02
	415	0.0000e+00	0.0000e+00	0.0000e+00	3.2461e+02	-9.4412e+02	-4.3938e+02
	21	0.0000e+00	0.0000e+00	0.0000e+00	1.2958e+03	4.3680e+02	-3.5322e+02
	413	0.0000e+00	0.0000e+00	0.0000e+00	-5.5267e+02	7.0420e+02	-7.6109e+02
201	510	0.0000e+00	0.0000e+00	0.0000e+00	2.2576e+02	5.3355e+02	-5.3821e+02
	491	0.0000e+00	0.0000e+00	0.0000e+00	-9.2587e+01	4.6766e+02	-5.7324e+02
	186	0.0000e+00	0.0000e+00	0.0000e+00	-7.8157e+02	-3.0105e+02	-6.0979e+02
	400	0.0000e+00	0.0000e+00	0.0000e+00	8.6203e+02	-2.2297e+02	-5.5990e+02
202	41	0.0000e+00	0.0000e+00	0.0000e+00	-3.2071e+02	2.2246e+02	-1.6228e+02
	43	0.0000e+00	0.0000e+00	0.0000e+00	4.6581e+02	6.2322e+02	-1.7405e+02

	491	0.0000e+00	0.0000e+00	0.0000e+00	-1.0490e+02	3.4548e+02	-3.7912e+02
	510	0.0000e+00	0.0000e+00	0.0000e+00	2.1803e+02	1.0088e+03	-3.9687e+02
203	127	0.0000e+00	0.0000e+00	0.0000e+00	4.8295e+02	1.5556e+02	-5.4300e+01
	42	0.0000e+00	0.0000e+00	0.0000e+00	-2.9661e+02	-5.4949e+02	-8.9540e+01
	43	0.0000e+00	0.0000e+00	0.0000e+00	4.2819e+02	6.8027e+02	-9.1589e+01
	41	0.0000e+00	0.0000e+00	0.0000e+00	-3.6305e+02	-1.3033e+02	-1.8883e+01
204	509	0.0000e+00	0.0000e+00	0.0000e+00	1.0402e+03	1.0067e+03	1.0727e+02
	510	0.0000e+00	0.0000e+00	0.0000e+00	1.5887e+02	9.2620e+02	-4.0238e+02
	400	0.0000e+00	0.0000e+00	0.0000e+00	-6.3686e+02	-5.3971e+02	-3.9289e+02
	399	0.0000e+00	0.0000e+00	0.0000e+00	9.8190e+02	-5.9980e+02	9.5646e+01
205	40	0.0000e+00	0.0000e+00	0.0000e+00	1.7779e+03	8.3667e+02	8.2632e+01
	41	0.0000e+00	0.0000e+00	0.0000e+00	1.8373e+02	3.9750e+02	-1.6781e+02
	510	0.0000e+00	0.0000e+00	0.0000e+00	4.6597e+02	9.7115e+02	-1.6945e+02
	509	0.0000e+00	0.0000e+00	0.0000e+00	1.2036e+03	6.8626e+02	1.1080e+02
206	126	0.0000e+00	0.0000e+00	0.0000e+00	1.9154e+03	-2.9607e+02	-1.1790e+02
	127	0.0000e+00	0.0000e+00	0.0000e+00	6.3570e+01	-1.5994e+02	8.1623e+01
	41	0.0000e+00	0.0000e+00	0.0000e+00	1.1865e+02	3.0306e+02	-2.2181e+01
	40	0.0000e+00	0.0000e+00	0.0000e+00	1.9099e+03	7.1433e+02	-7.0445e+01
207	91	0.0000e+00	0.0000e+00	0.0000e+00	-4.6493e+02	4.1478e+02	6.2354e+02
	509	0.0000e+00	0.0000e+00	0.0000e+00	1.0328e+03	1.0238e+03	4.1879e+02
	399	0.0000e+00	0.0000e+00	0.0000e+00	-3.2493e+02	-7.8204e+02	5.4385e+02
	60	0.0000e+00	0.0000e+00	0.0000e+00	5.3599e+02	-5.6100e+02	7.5815e+02
208	168	0.0000e+00	0.0000e+00	0.0000e+00	-5.3410e+02	6.0691e+02	6.1079e+02
	40	0.0000e+00	0.0000e+00	0.0000e+00	2.2774e+03	7.6295e+02	3.5148e+02
	509	0.0000e+00	0.0000e+00	0.0000e+00	1.2431e+03	6.1637e+02	3.9638e+02
	91	0.0000e+00	0.0000e+00	0.0000e+00	-5.5256e+02	7.7911e+02	4.6155e+02
209	1	0.0000e+00	0.0000e+00	0.0000e+00	-8.3301e+02	-1.4517e+03	-2.1146e+02
	126	0.0000e+00	0.0000e+00	0.0000e+00	2.4490e+03	-5.3499e+02	1.0830e+02
	40	0.0000e+00	0.0000e+00	0.0000e+00	2.1055e+03	6.4077e+02	1.2629e+02
	168	0.0000e+00	0.0000e+00	0.0000e+00	-1.0327e+03	1.0455e+03	4.4264e+02
210	508	0.0000e+00	0.0000e+00	0.0000e+00	1.1627e+02	-9.2938e+02	-6.0155e+02
	476	0.0000e+00	0.0000e+00	0.0000e+00	-4.2374e+01	-1.1065e+03	-7.4248e+02
	187	0.0000e+00	0.0000e+00	0.0000e+00	-8.2749e+02	3.8293e+02	-7.8801e+02
	407	0.0000e+00	0.0000e+00	0.0000e+00	6.8768e+02	3.0970e+02	-6.5266e+02
211	507	0.0000e+00	0.0000e+00	0.0000e+00	4.4909e+01	-6.0222e+02	-1.0843e+02
	49	0.0000e+00	0.0000e+00	0.0000e+00	-2.8049e+01	-6.2322e+02	9.3483e+01
	476	0.0000e+00	0.0000e+00	0.0000e+00	1.2527e+02	-1.5185e+03	-2.8462e+02
	508	0.0000e+00	0.0000e+00	0.0000e+00	2.5324e+02	-9.6770e+02	-3.3499e+02
212	506	0.0000e+00	0.0000e+00	0.0000e+00	-2.4653e+01	-1.6530e+01	1.8064e+02
	45	0.0000e+00	0.0000e+00	0.0000e+00	6.8045e+01	-8.0204e+01	1.5010e+02
	49	0.0000e+00	0.0000e+00	0.0000e+00	-2.4528e+01	-3.1344e+02	9.8795e+01
	507	0.0000e+00	0.0000e+00	0.0000e+00	-6.7323e+01	-2.5046e+02	1.4174e+02
213	487	0.0000e+00	0.0000e+00	0.0000e+00	-7.7549e+01	-5.7051e+02	-6.4152e+02
	508	0.0000e+00	0.0000e+00	0.0000e+00	1.0235e+02	-6.2547e+02	-6.7782e+02
	407	0.0000e+00	0.0000e+00	0.0000e+00	-9.1904e+02	1.2691e+02	-6.8818e+02
	406	0.0000e+00	0.0000e+00	0.0000e+00	7.9748e+02	8.6938e+01	-6.4817e+02
214	48	0.0000e+00	0.0000e+00	0.0000e+00	2.2525e+02	-5.7657e+01	-3.9552e+01
	507	0.0000e+00	0.0000e+00	0.0000e+00	-7.8821e+01	-2.7420e+02	-1.7395e+02
	508	0.0000e+00	0.0000e+00	0.0000e+00	-1.3015e+02	-6.7262e+02	-5.3596e+02
	487	0.0000e+00	0.0000e+00	0.0000e+00	-1.5863e+02	-3.6931e+02	-3.4986e+02
215	44	0.0000e+00	0.0000e+00	0.0000e+00	-1.2266e+02	-4.1984e+02	1.8819e+01
	506	0.0000e+00	0.0000e+00	0.0000e+00	1.7160e+02	-1.7861e+02	8.1412e+01
	507	0.0000e+00	0.0000e+00	0.0000e+00	2.9855e+01	-2.7314e+02	-5.4836e+01
	48	0.0000e+00	0.0000e+00	0.0000e+00	2.1623e+02	1.3708e+02	-7.2114e+01
216	491	0.0000e+00	0.0000e+00	0.0000e+00	5.2380e+01	3.8589e+02	-5.8194e+02
	487	0.0000e+00	0.0000e+00	0.0000e+00	-5.8569e+01	2.8659e+02	-5.9380e+02
	406	0.0000e+00	0.0000e+00	0.0000e+00	-8.3955e+02	-1.4295e+02	-6.1962e+02

	186	0.0000e+00	0.0000e+00	0.0000e+00	8.0228e+02	-1.0021e+02	-6.3254e+02
217	43	0.0000e+00	0.0000e+00	0.0000e+00	8.8768e+01	5.3372e+02	-6.4356e+01
	48	0.0000e+00	0.0000e+00	0.0000e+00	-3.3604e+01	-9.5802e+01	-7.8707e+01
	487	0.0000e+00	0.0000e+00	0.0000e+00	-4.2688e+01	-3.0438e+02	-4.2140e+02
	491	0.0000e+00	0.0000e+00	0.0000e+00	5.3891e+01	3.8288e+02	-3.3463e+02
218	42	0.0000e+00	0.0000e+00	0.0000e+00	-4.0735e+02	-4.9992e+02	1.0777e+02
	44	0.0000e+00	0.0000e+00	0.0000e+00	3.3139e+02	-2.7216e+02	8.4234e+01
	48	0.0000e+00	0.0000e+00	0.0000e+00	7.4546e+01	1.7174e+02	3.6110e+01
	43	0.0000e+00	0.0000e+00	0.0000e+00	-1.8809e+02	5.8342e+02	5.1667e+01
219	477	0.0000e+00	0.0000e+00	0.0000e+00	6.3727e+01	-2.7666e+03	4.6594e+02
	485	0.0000e+00	0.0000e+00	0.0000e+00	1.5944e+02	-4.2172e+03	3.9873e+02
	61	0.0000e+00	0.0000e+00	0.0000e+00	2.8378e+02	9.9520e+02	-2.4770e+02
	411	0.0000e+00	0.0000e+00	0.0000e+00	-2.8859e+02	7.2295e+02	-1.5241e+02
220	51	0.0000e+00	0.0000e+00	0.0000e+00	-2.7493e+03	-1.2023e+03	2.2051e+02
	8	0.0000e+00	0.0000e+00	0.0000e+00	5.7425e+02	1.6341e+03	8.7400e+02
	485	0.0000e+00	0.0000e+00	0.0000e+00	1.0312e+02	-4.7940e+03	9.4196e+02
	477	0.0000e+00	0.0000e+00	0.0000e+00	-4.6905e+02	-2.0215e+03	-1.5756e+02
221	47	0.0000e+00	0.0000e+00	0.0000e+00	-1.8980e+03	7.7310e+02	-6.1923e+02
	7	0.0000e+00	0.0000e+00	0.0000e+00	3.7823e+02	7.1436e+02	-8.8747e+02
	8	0.0000e+00	0.0000e+00	0.0000e+00	6.6792e+02	1.4875e+03	2.8909e+02
	51	0.0000e+00	0.0000e+00	0.0000e+00	-2.4625e+03	-8.2893e+02	1.3880e+02
222	473	0.0000e+00	0.0000e+00	0.0000e+00	-7.7123e+01	-1.9977e+03	-3.3667e+02
	477	0.0000e+00	0.0000e+00	0.0000e+00	-8.3439e+02	-2.6167e+03	-2.1514e+02
	411	0.0000e+00	0.0000e+00	0.0000e+00	-7.5350e+02	9.6830e+02	-3.8588e+02
	409	0.0000e+00	0.0000e+00	0.0000e+00	1.9532e+02	8.8190e+02	-5.8992e+02
223	50	0.0000e+00	0.0000e+00	0.0000e+00	-1.1840e+02	-9.9548e+02	-8.9621e+01
	51	0.0000e+00	0.0000e+00	0.0000e+00	-1.5079e+03	-1.4896e+03	2.5434e+02
	477	0.0000e+00	0.0000e+00	0.0000e+00	-9.0428e+02	-2.2827e+03	-8.6809e+01
	473	0.0000e+00	0.0000e+00	0.0000e+00	-4.1408e+02	-2.1414e+03	-3.4260e+02
224	46	0.0000e+00	0.0000e+00	0.0000e+00	-4.9162e+02	-1.5878e+02	-3.6749e+01
	47	0.0000e+00	0.0000e+00	0.0000e+00	-1.0377e+03	5.7494e+02	-9.6440e+01
	51	0.0000e+00	0.0000e+00	0.0000e+00	-1.5572e+03	-1.0957e+03	-1.0147e+02
	50	0.0000e+00	0.0000e+00	0.0000e+00	-9.6420e+01	-6.4541e+02	-2.9753e+01
225	476	0.0000e+00	0.0000e+00	0.0000e+00	1.5108e+02	-1.4417e+03	-6.3869e+02
	473	0.0000e+00	0.0000e+00	0.0000e+00	-2.0595e+02	-1.6471e+03	-7.2245e+02
	409	0.0000e+00	0.0000e+00	0.0000e+00	-7.6216e+02	5.6019e+02	-8.3669e+02
	187	0.0000e+00	0.0000e+00	0.0000e+00	5.5191e+02	5.6257e+02	-6.8699e+02
226	49	0.0000e+00	0.0000e+00	0.0000e+00	-1.3030e+01	-5.5236e+02	-4.2763e+01
	50	0.0000e+00	0.0000e+00	0.0000e+00	-2.2304e+02	-1.0066e+03	1.0314e+02
	473	0.0000e+00	0.0000e+00	0.0000e+00	-2.9418e+02	-2.1840e+03	-5.0172e+02
	476	0.0000e+00	0.0000e+00	0.0000e+00	1.1987e+02	-1.2971e+03	-6.4689e+02
227	45	0.0000e+00	0.0000e+00	0.0000e+00	1.1272e+02	-1.3030e+02	5.5695e+01
	46	0.0000e+00	0.0000e+00	0.0000e+00	-8.5993e+01	-1.8936e+02	-5.8481e+01
	50	0.0000e+00	0.0000e+00	0.0000e+00	-8.7271e+01	-7.3819e+02	-4.4300e+01
	49	0.0000e+00	0.0000e+00	0.0000e+00	2.9385e+01	-3.8033e+02	-3.6009e+01
228	58	0.0000e+00	0.0000e+00	0.0000e+00	2.5312e+02	6.1271e+02	8.5082e+02
	1	0.0000e+00	0.0000e+00	0.0000e+00	1.1233e+03	4.7260e+02	5.0944e+02
	464	0.0000e+00	0.0000e+00	0.0000e+00	-9.2357e+02	-1.1479e+03	-8.7335e+01
	421	0.0000e+00	0.0000e+00	0.0000e+00	2.8866e+02	-7.8422e+02	2.9913e+02

SFORZI "Dinamica SLDh Y" (Fase 1)

Generato da analisi lunedì 11 aprile 2022 alle ore 15:46:52.

Elem	Nodo	N	Vy	Vz	Mx	My	Mz
15	583	4.8986e-13	4.4985e+02	1.0801e-12	-5.5181e+03	-1.0915e-10	3.4331e+04
	437	-4.8986e-13	-4.4985e+02	-1.0801e-12	5.5181e+03	-7.7011e-12	3.3955e+04
16	430	1.4583e-11	2.5192e+02	-3.4444e-13	1.1566e+04	5.1162e-11	2.3201e+04

	583	-1.4583e-11	-2.5192e+02	3.4444e-13	-1.1566e+04	7.6233e-12	2.2596e+04
17	437	-3.9154e-11	6.6994e+03	7.3340e-12	-1.6305e+04	-2.3518e-10	4.2615e+05
	133	3.9154e-11	-6.6994e+03	-7.3340e-12	1.6305e+04	-1.5978e-11	3.6801e+05
18	428	-2.9389e-11	-3.0892e+03	1.8533e-13	2.1721e+04	-2.3488e-10	-2.2545e+05
	131	2.9389e-11	3.0892e+03	-1.8533e-13	-2.1721e+04	3.0984e-11	-1.4217e+05
19	427	1.9134e-12	-4.1552e+03	1.1954e-13	1.9179e+04	-1.2459e-11	-2.9391e+05
	130	-1.9134e-12	4.1552e+03	-1.1954e-13	-1.9179e+04	-5.9360e-12	-2.0015e+05
20	430	-5.0984e-11	8.8911e+02	-2.3706e-13	1.3866e+04	9.6198e-12	5.8180e+04
	132	5.0984e-11	-8.8911e+02	2.3706e-13	-1.3866e+04	9.4763e-12	4.8977e+04
21	446	-5.8221e-11	1.2832e+04	-3.6694e-12	-1.9167e+04	1.8552e-11	8.7838e+05
	134	5.8221e-11	-1.2832e+04	3.6694e-12	1.9167e+04	1.7637e-11	6.5885e+05
22	455	2.9179e-11	7.4034e+03	1.9222e-13	1.3561e+04	2.3288e-10	5.1566e+05
	135	-2.9179e-11	-7.4034e+03	-1.9222e-13	-1.3561e+04	-4.6672e-10	3.7262e+05
23	460	-3.0090e-11	7.9730e+03	-1.0954e-11	1.1750e+04	2.3302e-10	5.2719e+05
	136	3.0090e-11	-7.9730e+03	1.0954e-11	-1.1750e+04	7.9613e-12	4.1844e+05
229	460	1.0209e-12	2.0230e+01	2.2749e-13	-4.6648e+04	-5.8219e-11	6.9921e+03
	25	-1.0209e-12	-2.0230e+01	-2.2749e-13	4.6648e+04	-1.4668e-11	-1.0371e+03
230	455	4.6929e-13	7.5097e+01	7.3579e-15	2.0760e+03	1.4584e-11	1.0992e+04
	460	-4.6929e-13	-7.5097e+01	-7.3579e-15	-2.0760e+03	-4.3671e-11	1.1807e+04
231	446	1.7035e-13	5.1362e+01	-2.8789e-14	9.5883e+03	1.4731e-11	8.5433e+03
	455	-1.7035e-13	-5.1362e+01	2.8789e-14	-9.5883e+03	-7.6243e-12	9.6490e+03
232	437	7.2817e-12	1.0773e+02	-1.2855e-13	9.5677e+02	1.1506e-12	1.6079e+04
	446	-7.2817e-12	-1.0773e+02	1.2855e-13	-9.5677e+02	7.3428e-12	1.6628e+04
233	428	-2.5144e-13	7.1526e+01	-5.6881e-14	3.3052e+03	-7.5563e-12	1.2524e+04
	430	2.5144e-13	-7.1526e+01	5.6881e-14	-3.3052e+03	2.9143e-11	1.0670e+04
234	427	3.2212e-13	4.0403e+01	-7.4446e-15	2.7500e+03	-1.4667e-11	7.2192e+03
	428	-3.2212e-13	-4.0403e+01	7.4446e-15	-2.7500e+03	2.9168e-11	5.0921e+03
235	490	9.0158e-14	-3.0852e+01	1.5386e-14	4.8437e+03	-2.9165e-11	-4.0320e+03
	427	-9.0158e-14	3.0852e+01	-1.5386e-14	-4.8437e+03	1.4583e-11	-5.4229e+03
236	410	2.7574e-13	-3.5202e+01	1.1397e-13	-1.2320e+03	-1.4589e-11	-3.9813e+03
	471	-2.7574e-13	3.5202e+01	-1.1397e-13	1.2320e+03	-1.9302e-12	-7.1141e+03
237	408	-7.3466e-12	-6.9244e+01	2.2755e-13	7.9036e+03	-2.9126e-11	-1.0007e+04
	410	7.3466e-12	6.9244e+01	-2.2755e-13	-7.9036e+03	-1.0639e-12	-1.1015e+04
238	405	-9.5320e-13	-6.4761e+01	-7.2092e-15	8.1110e+03	3.6381e-11	-1.1028e+04
	408	9.5320e-13	6.4761e+01	7.2092e-15	-8.1110e+03	-7.2938e-12	-1.1910e+04
239	404	7.3344e-12	-9.0181e+01	1.2802e-13	8.7267e+03	-2.5474e-11	-1.3632e+04
	405	-7.3344e-12	9.0181e+01	-1.2802e-13	-8.7267e+03	-2.5486e-11	-1.3746e+04
240	403	3.4884e-13	-6.3304e+01	5.7467e-14	7.7169e+03	-1.8271e-11	-1.1657e+04
	404	-3.4884e-13	6.3304e+01	-5.7467e-14	-7.7169e+03	-1.0959e-11	-1.0765e+04
241	402	1.4553e-11	-6.6802e+01	-1.4360e-14	8.0941e+03	-2.5124e-13	-1.0774e+04
	403	-1.4553e-11	6.6802e+01	1.4360e-14	-8.0941e+03	1.4587e-11	-9.5075e+03
242	401	7.3344e-12	-3.2752e+01	-1.1407e-13	3.8275e+03	2.0086e-12	-6.2558e+03
	402	-7.3344e-12	3.2752e+01	1.1407e-13	-3.8275e+03	1.4711e-11	-3.7202e+03
243	470	1.4553e-11	1.6167e+01	-3.4153e-13	-1.4956e+03	5.8251e-11	2.0797e+03
	401	-1.4553e-11	-1.6167e+01	3.4153e-13	1.4956e+03	1.4675e-11	2.9423e+03
244	158	-7.2819e-12	1.4982e+03	-1.1591e-13	6.4449e+03	2.9660e-11	3.4733e+05
	405	7.2819e-12	-1.4982e+03	1.1591e-13	-6.4449e+03	5.8340e-11	4.4488e+05
245	152	-1.4571e-11	6.6580e+02	-1.4759e-14	7.4734e+03	2.3012e-12	1.5934e+05
	403	1.4571e-11	-6.6580e+02	1.4759e-14	-7.4734e+03	2.0981e-12	1.9287e+05
246	160	2.9118e-11	2.5728e+03	-1.1391e-13	1.4125e+04	1.9279e-12	6.1533e+05

	410	-2.9118e-11	-2.5728e+03	1.1391e-13	-1.4125e+04	9.6048e-13	7.4451e+05
247	159	7.2951e-12	1.9767e+03	2.2844e-13	1.1027e+04	-2.9166e-11	4.6262e+05
	408	-7.2951e-12	-1.9767e+03	-2.2844e-13	-1.1027e+04	-5.8250e-11	5.8276e+05
248	157	-8.7530e-13	1.0900e+03	-9.4961e-15	7.6755e+03	5.8327e-11	2.5501e+05
	404	8.7530e-13	-1.0900e+03	9.4961e-15	-7.6755e+03	-5.8239e-11	3.2110e+05
249	150	-1.4666e-11	2.6949e+02	2.2641e-15	7.5471e+03	1.2704e-12	6.8943e+04
	402	1.4666e-11	-2.6949e+02	-2.2641e-15	-7.5471e+03	-1.2966e-12	7.3756e+04
250	149	-7.2770e-12	4.3065e+01	-2.2852e-13	1.0948e+04	2.9483e-12	1.5213e+04
	401	7.2770e-12	-4.3065e+01	2.2852e-13	-1.0948e+04	2.9709e-11	8.1126e+03
332	172	-1.3037e-12	1.0820e+03	-4.5857e-13	-6.2549e+03	5.8323e-11	1.6696e+05
	489	1.3037e-12	-1.0820e+03	4.5857e-13	6.2549e+03	5.8661e-11	1.7011e+05
333	139	7.2963e-13	1.8806e+02	-6.8299e-13	1.2460e+04	3.1084e-11	3.3791e+04
	172	-7.2963e-13	-1.8806e+02	6.8299e-13	-1.2460e+04	3.0038e-11	2.5120e+04
334	179	-8.3368e-12	1.7859e+02	-2.1519e-12	-4.2524e+04	2.3329e-10	1.2589e+04
	57	8.3368e-12	-1.7859e+02	2.1519e-12	4.2524e+04	2.3409e-10	4.3666e+04
335	259	2.0369e-12	-1.7844e+02	9.3921e-13	1.6401e+04	-3.3541e-11	-3.9409e+04
	179	-2.0369e-12	1.7844e+02	-9.3921e-13	-1.6401e+04	-1.1755e-10	-1.7587e+04
336	2	-2.9162e-11	4.3388e+01	3.9721e-15	-6.3296e+03	-6.1102e-11	7.4001e+03
	3	2.9162e-11	-4.3388e+01	-3.9721e-15	6.3296e+03	5.2246e-12	2.3816e+03
337	54	-4.1966e-11	-2.8224e+01	-4.5569e-13	-7.5017e+03	6.5838e-11	-6.0601e+03
	4	4.1966e-11	2.8224e+01	4.5569e-13	7.5017e+03	6.6389e-11	-9.2540e+02
338	56	2.9161e-11	-5.0272e+01	5.1278e-13	7.5080e+03	-1.6403e-11	-5.7796e+03
	55	-2.9161e-11	5.0272e+01	-5.1278e-13	-7.5080e+03	-6.7107e-11	-5.4620e+03
339	59	1.1645e-10	4.5222e+01	-1.5322e-13	7.2522e+03	6.1423e-11	6.4435e+03
	57	-1.1645e-10	-4.5222e+01	1.5322e-13	-7.2522e+03	-5.8322e-11	3.6793e+03
340	71	-3.5078e-10	-1.9465e+04	-1.1668e-10	-9.2704e+04	1.8636e-09	-1.3174e+05
	68	3.5078e-10	1.9465e+04	1.1668e-10	9.2704e+04	-1.3994e-09	-1.4372e+05
341	66	-2.3669e-10	-1.5101e+04	6.5592e-11	6.8735e+04	1.4202e-09	-1.0195e+05
	69	2.3669e-10	1.5101e+04	-6.5592e-11	-6.8735e+04	-1.8796e-09	-1.1189e+05
342	72	3.6945e-12	2.1841e+01	2.1615e-14	6.1813e+03	9.1109e-12	3.1422e+03
	73	-3.6945e-12	-2.1841e+01	-2.1615e-14	-6.1813e+03	-2.9405e-11	5.2048e+03
343	180	4.7167e-10	3.2582e+03	1.1647e-10	1.7707e+05	-9.6179e-10	-1.6350e+05
	72	-4.7167e-10	-3.2582e+03	-1.1647e-10	-1.7707e+05	-1.8636e-09	2.3261e+05
344	63	-7.7207e-12	3.2582e+03	1.3694e-12	9.8470e+03	-8.7316e-11	3.0335e+05
	180	7.7207e-12	-3.2582e+03	-1.3694e-12	-9.8470e+03	-1.1643e-10	2.4081e+05
345	62	1.5246e-11	-2.0775e+01	2.0719e-13	-6.7207e+03	-5.1092e-11	-2.9586e+03
	63	-1.5246e-11	2.0775e+01	-2.0719e-13	6.7207e+03	-1.5007e-11	-2.9157e+03
346	65	-1.3059e-10	-2.4601e+04	-2.3360e-10	5.0776e+04	1.8688e-09	-3.0365e+05
	62	1.3059e-10	2.4601e+04	2.3360e-10	-5.0776e+04	1.9217e-09	-2.2668e+05
347	64	-1.4584e-11	-1.5879e+01	-7.3640e-14	5.1545e+03	3.7581e-12	-3.7210e+03
	65	1.4584e-11	1.5879e+01	7.3640e-14	-5.1545e+03	1.7185e-11	-2.3757e+03
348	249	2.0051e-12	7.2977e+02	4.5475e-13	-1.9101e+05	-4.5475e-13	1.0714e+05
	248	-2.0051e-12	-7.2977e+02	-4.5475e-13	1.9101e+05	-5.8321e-11	1.2569e+05
349	233	5.5614e-12	1.0942e+03	2.3791e-13	-7.7287e+03	-5.8321e-11	1.4318e+05
	249	-5.5614e-12	-1.0942e+03	-2.3791e-13	7.7287e+03	-1.8367e-12	2.1146e+05
350	262	-6.3790e-12	2.8361e+03	4.6898e-13	1.4234e+05	-3.0289e-11	4.6157e+05
	233	6.3790e-12	-2.8361e+03	-4.6898e-13	-1.4234e+05	-2.9165e-11	4.4047e+05
351	263	2.6470e-12	-9.8766e+02	-2.2921e-13	-6.1417e+04	2.9236e-11	-7.3557e+04
	262	-2.6470e-12	9.8766e+02	2.2921e-13	6.1417e+04	6.5743e-11	-2.5131e+05
352	264	4.2455e-12	-1.4486e+03	6.7408e-14	-4.1214e+04	-4.3725e-11	-2.4710e+05

	263	-4.2455e-12	1.4486e+03	-6.7408e-14	4.1214e+04	2.9436e-11	-2.2403e+05
353	265	-1.6202e-12	-9.2963e+02	-1.4239e-14	5.3074e+04	-7.6242e-12	-1.5452e+05
	264	1.6202e-12	9.2963e+02	1.4239e-14	-5.3074e+04	5.8689e-11	-1.4430e+05
354	258	2.6488e-12	8.0238e+02	-2.2926e-13	-4.2290e+04	-1.1752e-10	1.2927e+05
	265	-2.6488e-12	-8.0238e+02	2.2926e-13	4.2290e+04	1.7527e-10	1.2189e+05
355	243	2.0040e-12	-7.2725e+02	-1.4211e-14	2.8188e+04	2.3714e-10	-1.1453e+05
	258	-2.0040e-12	7.2725e+02	1.4211e-14	-2.8188e+04	-1.7534e-10	-1.1213e+05
356	260	-8.1356e-12	-7.4200e+02	-4.6874e-13	2.3375e+04	-1.1666e-10	-1.0940e+05
	259	8.1356e-12	7.4200e+02	4.6874e-13	-2.3375e+04	1.7546e-10	-1.2712e+05
357	65	2.9682e-11	-6.7956e+03	4.5846e-12	6.2582e+04	-1.2110e-10	-5.8976e+05
	260	-2.9682e-11	6.7956e+03	-4.5846e-12	-6.2582e+04	-2.9697e-10	-5.6321e+05
358	257	3.0019e-11	-6.4393e+02	1.1373e-12	6.0955e+04	-1.5111e-11	-1.0621e+05
	3	-3.0019e-11	6.4393e+02	-1.1373e-12	-6.0955e+04	-1.3124e-10	-1.0027e+05
359	261	1.5038e-11	5.0127e+02	-1.1806e-13	7.7123e+03	2.3490e-10	7.9475e+04
	257	-1.5038e-11	-5.0127e+02	1.1806e-13	-7.7123e+03	-1.1642e-10	7.9936e+04
360	72	-1.4840e-11	-7.7075e+02	9.0994e-13	-2.2988e+04	-1.1783e-10	-1.2502e+05
	261	1.4840e-11	7.7075e+02	-9.0994e-13	2.2988e+04	-1.1694e-10	-1.2575e+05
369	241	-1.3024e-12	4.1043e+02	-6.8748e-13	6.1292e+04	2.3283e-10	6.9553e+04
	4	1.3024e-12	-4.1043e+02	6.8748e-13	-6.1292e+04	-1.1732e-10	6.2151e+04
370	245	-2.7385e-12	-4.3263e+02	-9.1658e-13	1.9590e+04	2.3329e-10	-6.7637e+04
	241	2.7385e-12	4.3263e+02	9.1658e-13	-1.9590e+04	2.3283e-10	-6.9946e+04
371	240	-1.8248e-12	3.8444e+02	1.3654e-12	3.9080e+04	-1.0916e-11	6.0777e+04
	245	1.8248e-12	-3.8444e+02	-1.3654e-12	-3.9080e+04	-1.4552e-11	6.1476e+04
372	246	-1.5246e-11	-5.1493e+02	-4.5621e-13	-2.2504e+04	-3.0233e-11	-8.1297e+04
	240	1.5246e-11	5.1493e+02	4.5621e-13	2.2504e+04	2.1892e-10	-8.2453e+04
373	242	1.6529e-11	-4.3868e+02	-7.9911e-13	9.3099e+03	7.2811e-11	-7.1719e+04
	246	-1.6529e-11	4.3868e+02	7.9911e-13	-9.3099e+03	2.0387e-10	-7.0854e+04
374	214	-5.8635e-12	-2.9528e+02	-4.6984e-13	5.3730e+04	2.3334e-10	-3.5921e+04
	242	5.8635e-12	2.9528e+02	4.6984e-13	-5.3730e+04	-8.3859e-12	-5.8196e+04
375	213	-4.5478e-12	-8.7648e+01	-4.5564e-13	-9.6504e+03	1.2182e-10	-2.1317e+04
	214	4.5478e-12	8.7648e+01	4.5564e-13	9.6504e+03	3.4140e-11	-7.9831e+03
376	55	-1.4703e-11	1.1874e+02	-1.8358e-12	-6.2143e+04	2.2737e-13	2.6775e+04
	213	1.4703e-11	-1.1874e+02	1.8358e-12	6.2143e+04	3.6380e-12	1.1523e+04
385	179	7.3326e-12	2.8171e+02	6.5268e-14	9.2437e+03	-1.5031e-11	6.3439e+04
	258	-7.3326e-12	-2.8171e+02	-6.5268e-14	-9.2437e+03	-2.9223e-11	8.2779e+04
386	253	1.5435e-11	3.7068e+02	-2.2793e-13	2.6630e+04	-1.5007e-11	7.9092e+04
	179	-1.5435e-11	-3.7068e+02	2.2793e-13	-2.6630e+04	6.2181e-11	-7.4837e+03
387	250	-2.9640e-11	2.1187e+04	1.7365e-13	-2.7421e+04	1.2222e-10	1.1917e+06
	72	2.9640e-11	-2.1187e+04	-1.7365e-13	2.7421e+04	-1.3039e-10	2.5931e+06
388	70	-1.5044e-11	-2.3921e+03	-1.8201e-12	1.1905e+04	-3.5167e-10	-1.5539e+05
	73	1.5044e-11	2.3921e+03	1.8201e-12	-1.1905e+04	9.3181e-10	-1.9854e+05
389	67	-4.5569e-12	-9.3228e+02	6.5977e-12	1.4891e+04	-3.2019e-10	-1.1135e+05
	70	4.5569e-12	9.3228e+02	-6.5977e-12	-1.4891e+04	-3.2067e-10	-5.4744e+04
390	64	-1.4848e-11	3.1096e+03	-6.8305e-12	1.2048e+04	-4.1131e-10	2.4336e+05
	67	1.4848e-11	-3.1096e+03	6.8305e-12	-1.2048e+04	1.3403e-09	2.1648e+05
391	67	1.4849e-11	6.6627e+03	-1.0242e-12	-3.7542e+04	-8.9567e-11	6.4450e+05
	263	-1.4849e-11	-6.6627e+03	1.0242e-12	3.7542e+04	1.7675e-10	4.7646e+05
392	73	-1.1648e-10	1.2813e+04	9.9523e-13	3.6214e+04	-8.2788e-11	1.1344e+06
	262	1.1648e-10	-1.2813e+04	-9.9523e-13	-3.6214e+04	-3.0356e-11	8.1531e+05
393	257	2.0369e-12	1.0615e+03	1.2752e-13	1.9869e+04	-1.1896e-11	2.8101e+05

	249	-2.0369e-12	-1.0615e+03	-1.2752e-13	-1.9869e+04	-6.0741e-11	2.6990e+05
394	256	1.1664e-10	3.9595e+03	1.0786e-12	-2.6508e+04	7.2760e-12	4.0167e+05
	257	-1.1664e-10	-3.9595e+03	-1.0786e-12	2.6508e+04	-4.6613e-10	3.6449e+05
395	261	3.8875e-12	7.6462e+02	-4.2827e-14	2.5205e+04	-1.5255e-11	2.0241e+05
	233	-3.8875e-12	-7.6462e+02	4.2827e-14	-2.5205e+04	3.0428e-11	1.9444e+05
396	252	-8.1379e-12	3.4833e+03	1.1529e-13	1.1700e+04	2.9136e-11	3.3972e+05
	261	8.1379e-12	-3.4833e+03	-1.1529e-13	-1.1700e+04	-6.0054e-11	3.3430e+05
397	260	2.2205e-11	5.3728e+02	5.2252e-14	-1.0553e+04	-1.5141e-11	1.4386e+05
	264	-2.2205e-11	-5.3728e+02	-5.2252e-14	1.0553e+04	-1.3439e-11	1.3499e+05
398	254	8.7624e-11	2.9953e+03	-3.6673e-12	2.1589e+04	1.2439e-10	2.9294e+05
	260	-8.7624e-11	-2.9953e+03	3.6673e-12	-2.1589e+04	4.8265e-10	2.8669e+05
399	243	6.0062e-11	2.3162e+03	5.0561e-15	2.7349e+04	-7.5157e-12	5.4973e+05
	55	-6.0062e-11	-2.3162e+03	-5.0561e-15	-2.7349e+04	4.3903e-12	7.1732e+05
400	57	-1.4778e-11	2.3216e+03	-6.0938e-14	2.4504e+04	1.5155e-11	6.6227e+05
	243	1.4778e-11	-2.3216e+03	6.0938e-14	-2.4504e+04	2.3967e-11	4.8465e+05
401	248	-2.9105e-11	5.0371e+03	6.3327e-15	2.8204e+04	-7.5745e-12	9.1507e+05
	4	2.9105e-11	-5.0371e+03	-6.3327e-15	-2.8204e+04	3.9348e-12	1.7900e+06
402	3	5.8236e-11	6.2603e+03	-3.2006e-14	3.1311e+04	9.1547e-12	2.0476e+06
	248	-5.8236e-11	-6.2603e+03	3.2006e-14	-3.1311e+04	9.3008e-12	1.1077e+06
403	241	-1.1369e-13	4.2699e+03	-5.7131e-13	-3.3275e+04	4.9975e-10	3.9302e+05
	236	1.1369e-13	-4.2699e+03	5.7131e-13	3.3275e+04	-4.9933e-10	4.3321e+05
404	249	-2.9118e-11	9.3753e+02	-1.8229e-14	1.2057e+04	-3.3401e-11	2.5439e+05
	241	2.9118e-11	-9.3753e+02	1.8229e-14	-1.2057e+04	3.9675e-11	2.6313e+05
405	245	-2.9162e-11	4.1128e+03	2.5550e-13	-9.5648e+03	-2.0580e-11	3.7597e+05
	244	2.9162e-11	-4.1128e+03	-2.5550e-13	9.5648e+03	-4.6019e-11	4.1985e+05
406	233	-2.9344e-11	1.0314e+03	-1.2914e-13	-6.3673e+03	-3.4231e-11	2.8719e+05
	245	2.9344e-11	-1.0314e+03	1.2914e-13	6.3673e+03	7.3768e-11	2.8212e+05
407	240	5.8330e-11	3.1805e+03	1.8544e-12	-8.4995e+03	-2.3740e-10	2.5268e+05
	238	-5.8330e-11	-3.1805e+03	-1.8544e-12	8.4995e+03	-2.3329e-10	3.6274e+05
408	262	1.3643e-12	2.3423e+03	-7.5809e-16	-9.4151e+03	2.1852e-11	5.4700e+05
	240	-1.3643e-12	-2.3423e+03	7.5809e-16	9.4151e+03	-3.8941e-12	7.4599e+05
409	246	6.1092e-11	3.3597e+03	-2.0379e-12	8.1004e+03	-2.6204e-10	3.0734e+05
	239	-6.1092e-11	-3.3597e+03	2.0379e-12	-8.1004e+03	4.8093e-10	3.4277e+05
410	263	1.3180e-11	8.0908e+02	-1.1390e-13	2.3830e+04	-9.0608e-11	2.0930e+05
	246	-1.3180e-11	-8.0908e+02	1.1390e-13	-2.3830e+04	1.1875e-10	2.3731e+05
411	242	4.3741e-11	3.0326e+03	-1.6176e-13	4.7369e+03	1.4735e-11	2.7404e+05
	247	-4.3741e-11	-3.0326e+03	1.6176e-13	-4.7369e+03	2.9348e-11	3.1364e+05
412	264	-1.4681e-11	7.6382e+02	-1.4247e-13	2.1330e+04	1.3736e-11	2.1362e+05
	242	1.4681e-11	-7.6382e+02	1.4247e-13	-2.1330e+04	1.1666e-11	2.0801e+05
413	213	-5.8236e-11	4.7276e+02	4.5707e-13	3.1690e+04	-5.2246e-10	-3.4854e+04
	235	5.8236e-11	-4.7276e+02	-4.5707e-13	-3.1690e+04	5.8337e-11	1.2545e+05
414	258	2.9104e-11	3.8890e+02	-1.2732e-13	1.5834e+04	1.1895e-10	1.2820e+05
	213	-2.9104e-11	-3.8890e+02	1.2732e-13	-1.5834e+04	-1.0493e-10	8.6569e+04
415	214	-1.1734e-10	1.3378e+03	9.1130e-13	4.6316e+04	-1.2073e-10	-1.9699e+05
	234	1.1734e-10	-1.3378e+03	-9.1130e-13	-4.6316e+04	-1.6379e-11	4.5501e+05
416	265	-1.5137e-11	1.1555e+03	1.8747e-14	8.5711e+03	-1.4741e-11	3.7843e+05
	214	1.5137e-11	-1.1555e+03	-1.8747e-14	-8.5711e+03	1.1034e-11	2.5946e+05
417	259	1.5110e-11	1.5772e+03	1.4411e-14	1.9606e+04	-3.7592e-12	4.5221e+05
	265	-1.5110e-11	-1.5772e+03	-1.4411e-14	-1.9606e+04	-3.7227e-12	3.6645e+05
418	255	1.1369e-13	1.4935e+03	2.3706e-13	-5.4261e+03	2.9421e-11	2.6154e+05

	259	-1.1369e-13	-1.4935e+03	-2.3706e-13	5.4261e+03	-1.1696e-10	4.1247e+04
419	177	5.8222e-11	1.8417e+02	-9.2817e-12	-5.1422e+04	1.1756e-10	1.2604e+04
	81	-5.8222e-11	-1.8417e+02	9.2817e-12	5.1422e+04	3.5077e-10	4.5407e+04
420	301	3.3368e-11	-2.2407e+02	1.8786e-12	1.8523e+04	-7.0816e-10	-4.7446e+04
	177	-3.3368e-11	2.2407e+02	-1.8786e-12	-1.8523e+04	4.8028e-10	-2.3724e+04
421	165	7.2780e-12	-1.5675e+01	5.6962e-14	-6.8083e+03	-1.1738e-10	-5.6688e+03
	164	-7.2780e-12	1.5675e+01	-5.6962e-14	6.8083e+03	3.6664e-12	3.3411e+03
422	125	-1.7720e-10	2.4565e+01	-9.1660e-13	-7.8788e+03	1.3022e-10	6.5943e+03
	124	1.7720e-10	-2.4565e+01	9.1660e-13	7.8788e+03	1.3042e-10	-1.8960e+03
423	75	-7.2957e-12	7.2337e+00	1.0237e-12	9.7968e+03	-1.2001e-10	-1.0670e+03
	74	7.2957e-12	-7.2337e+00	-1.0237e-12	-9.7968e+03	-1.3062e-10	2.2557e+03
424	80	1.3039e-10	-4.1198e+00	1.0237e-12	7.8585e+03	-5.8781e-11	1.8507e+03
	81	-1.3039e-10	4.1198e+00	-1.0237e-12	-7.8585e+03	-2.3335e-11	-1.9444e+03
425	112	-5.8902e-10	-1.9493e+04	2.3332e-10	-8.3963e+04	-1.8636e-09	-1.3164e+05
	105	5.8902e-10	1.9493e+04	-2.3332e-10	8.3963e+04	-2.7966e-09	-1.4429e+05
426	99	-4.8902e-10	-1.1612e+04	-2.3465e-10	4.7609e+04	6.6389e-10	-7.7872e+04
	106	4.8902e-10	1.1612e+04	2.3465e-10	-4.7609e+04	1.0450e-09	-8.6706e+04
427	117	4.3838e-11	2.9292e+01	4.0702e-15	5.4724e+03	2.9111e-11	4.5382e+03
	118	-4.3838e-11	-2.9292e+01	-4.0702e-15	-5.4724e+03	-2.9377e-11	6.6521e+03
428	178	7.4365e-11	3.8685e+03	-5.9999e-11	2.0906e+05	1.9244e-09	-1.9201e+05
	117	-7.4365e-11	-3.8685e+03	5.9999e-11	-2.0906e+05	-4.8462e-10	2.7407e+05
429	93	-1.4552e-11	3.8685e+03	-2.2860e-12	1.2269e+04	1.7478e-10	3.6247e+05
	178	1.4552e-11	-3.8685e+03	2.2860e-12	-1.2269e+04	1.1745e-10	2.8359e+05
430	94	-2.9161e-11	-1.3027e+01	-2.5359e-14	-7.6200e+03	9.0993e-11	-1.4778e+03
	93	2.9161e-11	1.3027e+01	2.5359e-14	7.6200e+03	-8.7314e-11	-3.4281e+03
431	86	4.9741e-10	-3.2193e+04	5.9339e-11	4.1752e+04	-5.2149e-10	-4.0224e+05
	94	-4.9741e-10	3.2193e+04	-5.9339e-11	-4.1752e+04	-1.0417e-09	-2.8684e+05
432	87	2.1838e-11	-3.1996e+01	-1.1594e-13	6.3273e+03	8.2052e-12	-7.0510e+03
	86	-2.1838e-11	3.1996e+01	1.1594e-13	-6.3273e+03	3.0889e-11	-5.1849e+03
433	298	4.6136e-12	7.4840e+02	-5.8600e-14	-1.9073e+05	2.3286e-10	1.0647e+05
	309	-4.6136e-12	-7.4840e+02	5.8600e-14	1.9073e+05	-2.3283e-10	1.3184e+05
434	325	-7.6623e-12	1.3529e+03	5.1081e-13	-1.0488e+04	-4.6568e-10	1.7795e+05
	298	7.6623e-12	-1.3529e+03	-5.1081e-13	1.0488e+04	1.1643e-10	2.5621e+05
435	304	1.1753e-11	3.4650e+03	-2.3003e-13	1.5117e+05	6.5264e-11	5.5625e+05
	325	-1.1753e-11	-3.4650e+03	2.3003e-13	-1.5117e+05	1.4700e-11	5.4573e+05
436	299	-7.3484e-12	-1.0219e+03	-1.2814e-13	-6.8527e+04	8.7678e-11	-7.5977e+04
	304	7.3484e-12	1.0219e+03	1.2814e-13	6.8527e+04	-3.8007e-11	-2.6422e+05
437	332	2.8433e-12	-1.6694e+03	-5.7131e-13	-4.5283e+04	3.0343e-11	-2.8459e+05
	299	-2.8433e-12	1.6694e+03	5.7131e-13	4.5283e+04	1.1739e-10	-2.5826e+05
438	333	-7.5652e-12	-9.4008e+02	-4.6874e-13	5.5861e+04	1.1761e-10	-1.5318e+05
	332	7.5652e-12	9.4008e+02	4.6874e-13	-5.5861e+04	5.8215e-11	-1.4949e+05
439	306	-1.3118e-11	8.6866e+02	-2.2738e-13	-4.6601e+04	1.3113e-10	1.3957e+05
	333	1.3118e-11	-8.6866e+02	2.2738e-13	4.6601e+04	-6.0222e-11	1.3239e+05
440	316	-3.8995e-12	-6.5356e+02	2.3480e-13	3.1310e+04	-2.6077e-10	-1.0240e+05
	306	3.8995e-12	6.5356e+02	-2.3480e-13	-3.1310e+04	1.3103e-10	-1.0123e+05
441	305	-1.4587e-11	-8.5236e+02	-9.1183e-13	2.7538e+04	-1.3102e-10	-1.2630e+05
	301	1.4587e-11	8.5236e+02	9.1183e-13	-2.7538e+04	3.6886e-10	-1.4536e+05
442	86	-7.2902e-12	-7.4182e+03	-7.3462e-12	7.4864e+04	2.3736e-10	-6.4317e+05
	305	7.2902e-12	7.4182e+03	7.3462e-12	-7.4864e+04	4.8122e-10	-6.1544e+05
443	311	1.0923e-11	-5.8782e+02	9.3967e-13	6.0926e+04	2.6133e-10	-9.7401e+04

	164	-1.0923e-11	5.8782e+02	-9.3967e-13	-6.0926e+04	-4.8099e-10	-9.1188e+04
444	312	3.3408e-11	5.6311e+02	-3.6380e-12	-8.7852e+03	1.1828e-10	8.9828e+04
	311	-3.3408e-11	-5.6311e+02	3.6380e-12	8.7852e+03	7.3363e-12	8.9268e+04
445	117	-3.2758e-11	-8.9739e+02	-7.2762e-12	-2.7578e+04	6.8212e-13	-1.4758e+05
	312	3.2758e-11	8.9739e+02	7.2762e-12	2.7578e+04	1.1647e-10	-1.4438e+05
454	318	-3.7573e-12	4.8241e+02	-2.0408e-12	6.3287e+04	4.6589e-10	8.1232e+04
	124	3.7573e-12	-4.8241e+02	2.0408e-12	-6.3287e+04	3.2546e-11	7.3522e+04
455	322	7.3467e-12	4.0981e+02	4.5834e-13	2.0962e+04	-2.3295e-10	6.3984e+04
	318	-7.3467e-12	-4.0981e+02	-4.5834e-13	-2.0962e+04	1.6297e-11	6.6349e+04
456	327	3.7499e-12	3.6100e+02	6.3665e-12	4.1431e+04	-3.4932e-10	5.7115e+04
	322	-3.7499e-12	-3.6100e+02	-6.3665e-12	-4.1431e+04	-1.1642e-10	5.7684e+04
457	315	-3.6451e-12	-5.0354e+02	-2.5013e-12	-2.3420e+04	2.9109e-10	-7.9502e+04
	327	3.6451e-12	5.0354e+02	2.5013e-12	2.3420e+04	1.4628e-10	-8.0628e+04
458	328	-2.0700e-11	4.1886e+02	3.4232e-13	1.0474e+04	-2.6359e-10	6.8589e+04
	315	2.0700e-11	-4.1886e+02	-3.4232e-13	-1.0474e+04	5.8352e-11	6.7542e+04
459	287	-7.3361e-12	-2.6944e+02	-1.0185e-12	6.0984e+04	-1.3042e-10	-3.2830e+04
	328	7.3361e-12	2.6944e+02	1.0185e-12	-6.0984e+04	5.8213e-10	-5.3071e+04
460	270	2.8422e-14	-8.4428e+01	5.6264e-12	-9.9414e+03	-4.8204e-10	-1.9938e+04
	287	-2.8422e-14	8.4428e+01	-5.6264e-12	9.9414e+03	-2.6032e-10	-8.5032e+03
461	74	-3.3399e-11	1.2557e+02	9.2546e-13	-6.9740e+04	-2.3306e-10	2.8128e+04
	270	3.3399e-11	-1.2557e+02	-9.2546e-13	6.9740e+04	-2.3295e-10	1.2042e+04
470	177	-2.9331e-11	3.4584e+02	7.1193e-14	7.9748e+03	1.7915e-11	7.6983e+04
	306	2.9331e-11	-3.4584e+02	-7.1193e-14	-7.9748e+03	-6.2726e-11	1.0252e+05
471	313	-3.6682e-12	4.6569e+02	-4.0963e-12	3.2541e+04	2.4880e-10	9.9965e+04
	177	3.6682e-12	-4.6569e+02	4.0963e-12	-3.2541e+04	2.3476e-10	-1.0173e+04
472	303	-2.0429e-10	2.2219e+04	3.7578e-12	-2.5682e+04	-2.3536e-10	1.2459e+06
	117	2.0429e-10	-2.2219e+04	-3.7578e-12	2.5682e+04	-1.3044e-10	2.7233e+06
473	111	-2.9226e-11	-2.4788e+03	-1.4602e-11	1.5441e+04	7.0110e-10	-1.5994e+05
	118	2.9226e-11	2.4788e+03	1.4602e-11	-1.5441e+04	1.3198e-10	-2.0719e+05
474	100	-2.1320e-11	-1.0932e+03	-6.3701e-12	1.7913e+04	5.2511e-10	-1.3219e+05
	111	2.1320e-11	1.0932e+03	6.3701e-12	-1.7913e+04	6.1208e-10	-6.4308e+04
475	87	1.7968e-11	3.9791e+03	2.3598e-12	-1.0453e+04	-5.2771e-10	3.0965e+05
	100	-1.7968e-11	-3.9791e+03	-2.3598e-12	1.0453e+04	2.9361e-10	2.7878e+05
476	100	5.6331e-11	7.3376e+03	2.0844e-12	-4.5832e+04	-2.5825e-10	7.0798e+05
	299	-5.6331e-11	-7.3376e+03	-2.0844e-12	4.5832e+04	-3.0396e-10	5.2654e+05
477	118	-2.0375e-10	1.4215e+04	-1.7199e-12	3.9360e+04	8.3662e-11	1.2576e+06
	304	2.0375e-10	-1.4215e+04	1.7199e-12	-3.9360e+04	1.1853e-10	9.0544e+05
478	311	1.8199e-12	1.1671e+03	3.6247e-13	2.1286e+04	-1.5035e-11	3.0921e+05
	298	-1.8199e-12	-1.1671e+03	-3.6247e-13	-2.1286e+04	-5.8784e-11	2.9654e+05
479	307	2.3286e-10	3.8839e+03	4.2916e-12	-2.7304e+04	-3.3544e-11	3.9206e+05
	311	-2.3286e-10	-3.8839e+03	-4.2916e-12	2.7304e+04	-5.2088e-10	3.5949e+05
480	312	8.7867e-12	8.4092e+02	1.2899e-13	2.7211e+04	-1.6320e-11	2.2346e+05
	325	-8.7867e-12	-8.4092e+02	-1.2899e-13	-2.7211e+04	-6.1040e-11	2.1298e+05
481	300	-4.0690e-12	3.5323e+03	1.8192e-12	1.2105e+04	-5.8236e-11	3.4174e+05
	312	4.0690e-12	-3.5323e+03	-1.8192e-12	-1.2105e+04	-2.4000e-10	3.4177e+05
482	305	-7.4594e-12	6.1041e+02	1.1550e-13	-1.2157e+04	6.6089e-11	1.6250e+05
	332	7.4594e-12	-6.1041e+02	-1.1550e-13	1.2157e+04	-1.2773e-10	1.5430e+05
483	302	1.4673e-11	3.5355e+03	-8.1419e-12	2.3683e+04	9.3909e-10	3.4217e+05
	305	-1.4673e-11	-3.5355e+03	8.1419e-12	-2.3683e+04	4.6957e-10	3.4197e+05
484	316	1.1667e-10	2.8155e+03	2.4161e-14	2.5108e+04	-1.8331e-12	6.8370e+05

	74	-1.1667e-10	-2.8155e+03	-2.4161e-14	-2.5108e+04	-3.6452e-12	8.5642e+05
485	81	-6.5079e-11	2.9924e+03	-1.4288e-13	2.6109e+04	3.4766e-11	8.3522e+05
	316	6.5079e-11	-2.9924e+03	1.4288e-13	-2.6109e+04	4.6111e-11	6.4306e+05
486	309	-1.1649e-10	5.7196e+03	2.5620e-14	2.9570e+04	-5.1462e-12	1.0890e+06
	124	1.1649e-10	-5.7196e+03	-2.5620e-14	-2.9570e+04	-7.9934e-12	1.9825e+06
487	164	-1.7463e-10	6.8743e+03	-5.8647e-14	3.4351e+04	-2.3374e-11	2.2058e+06
	309	1.7463e-10	-6.8743e+03	5.8647e-14	-3.4351e+04	3.0072e-11	1.2590e+06
488	318	-3.4925e-10	4.1557e+03	4.5476e-13	-2.9556e+04	1.0520e-09	3.8609e+05
	317	3.4925e-10	-4.1557e+03	-4.5476e-13	2.9556e+04	-1.4742e-09	4.1804e+05
489	298	2.9232e-11	1.0391e+03	7.3250e-15	-1.2669e+04	-6.5538e-11	2.8147e+05
	318	-2.9232e-11	-1.0391e+03	-7.3250e-15	1.2669e+04	6.2729e-11	2.9212e+05
490	322	2.3284e-10	4.1085e+03	2.0339e-12	8.0106e+03	-2.9161e-11	3.8014e+05
	324	-2.3284e-10	-4.1085e+03	-2.0339e-12	-8.0106e+03	-8.7614e-11	4.1485e+05
491	325	2.9161e-11	1.1381e+03	-4.8614e-13	-8.3040e+03	6.5270e-11	3.1537e+05
	322	-2.9161e-11	-1.1381e+03	4.8614e-13	8.3040e+03	1.3032e-10	3.1287e+05
492	327	2.9291e-11	3.2195e+03	-9.0995e-13	6.7455e+03	2.7520e-10	2.5965e+05
	331	-2.9291e-11	-3.2195e+03	9.0995e-13	-6.7455e+03	-5.8661e-11	3.6333e+05
493	304	4.3715e-11	2.7200e+03	1.5889e-14	-1.1053e+04	-1.5111e-11	6.3824e+05
	327	-4.3715e-11	-2.7200e+03	-1.5889e-14	1.1053e+04	1.1966e-11	8.6324e+05
494	315	8.9360e-11	3.4244e+03	-3.7573e-12	6.6296e+03	5.2417e-10	3.1540e+05
	319	-8.9360e-11	-3.4244e+03	3.7573e-12	-6.6296e+03	5.2069e-10	3.4722e+05
495	299	-1.4420e-11	9.1863e+02	-1.1386e-13	2.4355e+04	2.5269e-10	2.3851e+05
	315	1.4420e-11	-9.1863e+02	1.1386e-13	-2.4355e+04	-2.1867e-10	2.6859e+05
496	328	3.2565e-11	3.1763e+03	9.0994e-13	5.1095e+03	-5.2397e-10	2.8811e+05
	310	-3.2565e-11	-3.1763e+03	-9.0994e-13	-5.1095e+03	8.7313e-11	3.2741e+05
497	332	2.9132e-11	8.5948e+02	-2.3843e-13	2.1663e+04	8.2670e-11	2.4035e+05
	328	-2.9132e-11	-8.5948e+02	2.3843e-13	-2.1663e+04	1.8199e-11	2.3409e+05
498	270	-1.1670e-10	5.4776e+02	5.2098e-13	3.0224e+04	-1.3228e-09	-3.9074e+04
	323	1.1670e-10	-5.4776e+02	-5.2098e-13	-3.0224e+04	1.6295e-11	1.4441e+05
499	306	-1.4581e-11	4.4533e+02	-2.4984e-13	1.6371e+04	2.4910e-10	1.4784e+05
	270	1.4581e-11	-4.4533e+02	2.4984e-13	-1.6371e+04	-1.8340e-10	9.8081e+04
500	287	-4.5475e-13	1.4930e+03	2.0377e-12	4.5265e+04	-6.5484e-11	-2.2911e+05
	329	4.5475e-13	-1.4930e+03	-2.0377e-12	-4.5265e+04	-1.3022e-10	5.1698e+05
501	333	2.9331e-11	1.3496e+03	5.8738e-14	1.0315e+04	-3.0076e-11	4.4607e+05
	287	-2.9331e-11	-1.3496e+03	-5.8738e-14	-1.0315e+04	-2.7069e-11	2.9897e+05
502	301	2.9164e-11	1.8309e+03	-1.5890e-14	2.1528e+04	5.8292e-12	5.1061e+05
	333	-2.9164e-11	-1.8309e+03	1.5890e-14	-2.1528e+04	7.3607e-12	4.3971e+05
503	308	-1.2029e-10	2.4224e+03	3.4136e-13	-4.9482e+03	-2.6407e-10	3.6677e+05
	301	1.2029e-10	-2.4224e+03	-3.4136e-13	4.9482e+03	2.6123e-10	1.0573e+05
504	173	-8.4304e-11	1.8800e+02	-8.1475e-12	-5.4725e+04	4.6658e-10	1.2293e+04
	83	8.4304e-11	-1.8800e+02	8.1475e-12	5.4725e+04	1.4737e-09	4.6702e+04
505	350	-3.0000e-11	-2.3149e+02	-2.2751e-13	1.9061e+04	2.0839e-12	-4.8950e+04
	173	3.0000e-11	2.3149e+02	2.2751e-13	-1.9061e+04	2.0464e-12	-2.4382e+04
506	174	6.2200e-11	1.2154e+02	8.1485e-12	-4.8122e+04	-7.0111e-10	6.4256e+03
	85	-6.2200e-11	-1.2154e+02	-8.1485e-12	4.8122e+04	-4.6957e-10	3.2567e+04
507	453	9.3816e-13	-1.4354e+02	-5.7093e-14	1.1281e+04	-2.3464e-10	-3.0288e+04
	174	-9.3816e-13	1.4354e+02	5.7093e-14	-1.1281e+04	1.0417e-09	-1.6341e+04
508	122	8.2644e-11	-8.2289e+02	-2.8644e-14	-3.9047e+04	6.9849e-10	-1.3763e+05
	461	-8.2644e-11	8.2289e+02	2.8644e-14	3.9047e+04	-4.6572e-10	-1.3013e+05
509	475	-1.4581e-11	2.2809e+03	-5.6960e-14	6.9766e+03	2.9120e-11	6.0218e+05

	471	1.4581e-11	-2.2809e+03	5.6960e-14	-6.9766e+03	7.3342e-12	5.6910e+05
510	484	-1.4562e-11	5.6141e+02	-2.3091e-13	2.0219e+04	-1.7317e-11	3.7698e+04
	482	1.4562e-11	-5.6141e+02	2.3091e-13	-2.0219e+04	1.1664e-10	3.0217e+04
511	486	-5.1087e-13	5.1624e+01	-1.1990e-15	8.8343e+03	3.1917e-12	1.4079e+04
	484	5.1087e-13	-5.1624e+01	1.1990e-15	-8.8343e+03	-3.1895e-12	1.4935e+04
512	161	6.2685e-13	7.5167e+02	-5.8298e-14	1.2147e+04	-1.4553e-11	3.9018e+04
	486	-6.2685e-13	-7.5167e+02	5.8298e-14	-1.2147e+04	1.4801e-11	5.0075e+04
513	483	7.3441e-12	6.6200e+01	-5.6849e-14	4.6784e+03	7.5014e-12	1.7477e+04
	470	-7.3441e-12	-6.6200e+01	5.6849e-14	-4.6784e+03	1.4668e-11	1.6654e+04
514	490	8.7411e-11	2.4174e+03	2.3143e-13	1.4457e+04	-7.9962e-12	1.0393e+05
	488	-8.7411e-11	-2.4174e+03	-2.3143e-13	-1.4457e+04	-6.1989e-12	1.4642e+05
515	479	-1.4570e-11	1.7539e+02	2.2741e-13	-6.1240e+03	-2.9174e-11	1.5516e+04
	478	1.4570e-11	-1.7539e+02	-2.2741e-13	6.1240e+03	-1.2315e-12	2.3686e+04
516	475	-1.4681e-11	-1.9098e+02	-1.1416e-13	-5.5106e+03	-1.4607e-11	-2.2262e+04
	474	1.4681e-11	1.9098e+02	1.1416e-13	5.5106e+03	2.9148e-11	-2.0426e+04
517	483	2.1571e-12	-7.7478e+01	1.5630e-14	-1.0147e+04	2.4361e-12	-6.9735e+03
	482	-2.1571e-12	7.7478e+01	-1.5630e-14	1.0147e+04	-2.9151e-11	-1.4378e+04
518	488	-2.0379e-12	4.0870e+01	-5.7990e-15	9.6982e+03	-3.7590e-12	6.1049e+03
	489	2.0379e-12	-4.0870e+01	5.7990e-15	-9.6982e+03	3.8550e-12	3.3204e+03
519	497	2.9116e-10	1.3788e+04	1.7479e-10	8.2826e+04	-2.0963e-09	1.3605e+05
	498	-2.9116e-10	-1.3788e+04	-1.7479e-10	-8.2826e+04	-1.6300e-09	6.0247e+04
520	495	6.7683e-12	6.5107e+03	-1.4556e-10	-4.1938e+04	4.6847e-10	7.4659e+04
	499	-6.7683e-12	-6.5107e+03	1.4556e-10	4.1938e+04	1.3974e-09	3.2778e+04
521	503	1.8381e-12	9.3106e+01	8.5627e-14	-4.4656e+03	-6.1254e-13	1.9375e+04
	504	-1.8381e-12	-9.3106e+01	-8.5627e-14	4.4656e+03	-7.2874e-12	1.6211e+04
522	502	-1.8345e-11	4.7204e+04	2.9128e-11	7.6865e+04	4.6935e-10	2.8327e+05
	503	1.8345e-11	-4.7204e+04	-2.9128e-11	-7.6865e+04	-9.3141e-10	7.2329e+05
523	501	9.9041e-13	-5.5378e+02	5.7004e-13	2.6933e+04	-7.2813e-11	-7.9269e+04
	502	-9.9041e-13	5.5378e+02	-5.7004e-13	-2.6933e+04	-5.1140e-11	-5.0701e+04
524	500	-7.2772e-12	4.3079e+01	-2.2062e-13	6.5738e+03	2.8734e-12	1.2043e+04
	501	7.2772e-12	-4.3079e+01	2.2062e-13	-6.5738e+03	2.1807e-12	-6.9598e+03
525	492	-1.1652e-10	1.6112e+04	2.9140e-11	-1.4313e+05	4.6588e-10	2.2250e+05
	500	1.1652e-10	-1.6112e+04	-2.9140e-11	1.4313e+05	-9.3196e-10	1.5136e+05
526	493	5.4700e-12	-5.3128e+01	-1.9559e-15	-2.0262e+03	7.2780e-12	-7.3434e+03
	492	-5.4700e-12	5.3128e+01	1.9559e-15	2.0262e+03	-8.2639e-13	-1.4526e+04
527	489	-1.1811e-13	1.3415e+02	-2.8438e-14	4.9175e+03	7.2976e-12	3.4836e+04
	161	1.1811e-13	-1.3415e+02	2.8438e-14	-4.9175e+03	5.8732e-13	3.1436e+04
528	167	-2.3294e-10	2.3294e+01	-9.0950e-13	-6.8912e+03	1.6528e-10	7.5804e+03
	166	2.3294e-10	-2.3294e+01	9.0950e-13	6.8912e+03	6.5078e-11	-2.6910e+03
529	129	-2.4011e-10	-1.5960e+01	7.3778e-15	-7.7884e+03	2.4000e-10	-6.1765e+03
	128	2.4011e-10	1.5960e+01	-7.3778e-15	7.7884e+03	-2.4394e-10	3.0871e+03
530	77	-5.8664e-11	-2.0425e+01	1.3062e-12	1.0449e+04	-1.3097e-10	-4.4133e+03
	76	5.8664e-11	2.0425e+01	-1.3062e-12	-1.0449e+04	-2.6674e-10	-2.6760e+02
531	82	2.4011e-10	1.6946e+01	2.0337e-12	8.0111e+03	-2.6194e-10	4.0456e+03
	83	-2.4011e-10	-1.6946e+01	-2.0337e-12	-8.0111e+03	-2.4176e-10	-4.1299e+02
532	114	-2.7955e-10	7.3002e+03	-5.8216e-11	-4.0260e+04	1.9235e-09	4.6967e+04
	107	2.7955e-10	-7.3002e+03	5.8216e-11	4.0260e+04	-1.8663e-09	5.9793e+04
533	101	-5.2065e-10	-4.7075e+03	-3.5526e-10	2.1556e+04	2.9117e-10	-3.4053e+04
	108	5.2065e-10	4.7075e+03	3.5526e-10	-2.1556e+04	1.9200e-09	-4.2879e+04
534	119	-3.0013e-11	1.1212e+01	1.2790e-13	5.7191e+03	-2.9104e-11	1.3576e+03

	121	3.0013e-11	-1.1212e+01	-1.2790e-13	-5.7191e+03	-4.1323e-11	2.9630e+03
535	176	1.0495e-09	3.8094e+03	3.2654e-13	2.0739e+05	2.0955e-09	-1.8951e+05
	119	-1.0495e-09	-3.8094e+03	-3.2654e-13	-2.0739e+05	-3.8470e-09	2.7031e+05
536	95	3.0000e-11	3.8094e+03	-6.3675e-12	1.2779e+04	2.6049e-13	3.5555e+05
	176	-3.0000e-11	-3.8094e+03	6.3675e-12	-1.2779e+04	4.0849e-10	2.8064e+05
537	96	3.1083e-11	-7.6802e+00	-3.4819e-13	-7.4195e+03	1.7239e-10	1.4233e+03
	95	-3.1083e-11	7.6802e+00	3.4819e-13	7.4195e+03	-3.7112e-11	-2.3779e+03
538	88	7.1052e-10	-2.0602e+04	-4.2377e-10	-3.0199e+04	2.6368e-09	-2.6361e+05
	96	-7.1052e-10	2.0602e+04	4.2377e-10	3.0199e+04	3.3660e-09	-1.7896e+05
539	89	5.2120e-11	-6.0801e+00	-2.5462e-13	5.6444e+03	3.6385e-12	-1.7366e+03
	88	-5.2120e-11	6.0801e+00	2.5462e-13	-5.6444e+03	2.9611e-11	-7.0127e+02
540	170	6.0111e-11	-4.9669e+01	-9.1701e-13	-1.0868e+04	2.6075e-10	1.1532e+03
	169	-6.0111e-11	4.9669e+01	9.1701e-13	1.0868e+04	-2.9175e-11	-1.1998e+04
541	163	1.8288e-11	4.2175e+01	-2.0468e-12	-1.1928e+04	9.2053e-13	-1.2950e+03
	162	-1.8288e-11	-4.2175e+01	2.0468e-12	1.1928e+04	1.2007e-10	1.0485e+04
542	79	5.8209e-11	2.1930e+01	-2.2939e-13	1.2395e+04	1.2000e-10	-8.4728e+02
	78	-5.8209e-11	-2.1930e+01	2.2939e-13	-1.2395e+04	-1.8199e-12	5.1963e+03
543	84	1.3016e-10	-1.8957e+01	4.0819e-12	9.3160e+03	-1.4674e-11	9.7049e+02
	85	-1.3016e-10	1.8957e+01	-4.0819e-12	-9.3160e+03	-1.1643e-10	-4.8017e+03
544	116	-2.2413e+02	1.8056e+03	-2.5098e+02	1.0110e+04	1.6557e+04	2.0147e+04
	109	2.2413e+02	-1.8056e+03	2.5098e+02	-1.0110e+04	-1.3114e+04	6.7371e+03
545	103	2.6286e+02	1.2029e+03	-2.6708e+02	5.9307e+03	1.6100e+04	1.9501e+04
	110	-2.6286e+02	-1.2029e+03	2.6708e+02	-5.9307e+03	-1.2436e+04	-8.7043e+03
546	122	-8.7316e-11	-6.5903e+00	5.0924e-13	2.9349e+03	-1.0509e-10	-2.1744e+03
	123	8.7316e-11	6.5903e+00	-5.0924e-13	-2.9349e+03	-1.3063e-10	-8.0127e+02
547	175	-1.2471e-10	3.3932e+03	2.6034e-10	1.8113e+05	-1.3039e-08	-1.6706e+05
	122	1.2471e-10	-3.3932e+03	-2.6034e-10	-1.8113e+05	9.6709e-10	2.3902e+05
548	97	6.5129e-11	3.3932e+03	1.8229e-12	1.0223e+04	2.4113e-10	3.2055e+05
	175	-6.5129e-11	-3.3932e+03	-1.8229e-12	-1.0223e+04	-3.4932e-10	2.4620e+05
549	98	-1.0252e-12	-1.3851e+01	-1.5349e-12	-6.9782e+03	7.5987e-11	-1.0168e+03
	97	1.0252e-12	1.3851e+01	1.5349e-12	6.9782e+03	2.4840e-11	-3.4358e+03
550	90	-1.1906e-09	-9.5959e+03	-2.6057e-10	-7.1519e+04	-3.8472e-09	-1.8218e+05
	98	1.1906e-09	9.5959e+03	2.6057e-10	7.1519e+04	5.6701e-09	-6.9904e+04
551	92	-9.4868e-11	-4.6387e+00	5.1560e-13	5.7855e+03	-5.8666e-11	-1.4250e+03
	90	9.4868e-11	4.6387e+00	-5.1560e-13	-5.7855e+03	-2.9621e-11	-6.0168e+02
552	429	-6.4189e-12	3.1678e+02	-1.8192e-12	-1.8511e+05	3.6451e-12	4.4471e+04
	442	6.4189e-12	-3.1678e+02	1.8192e-12	1.8511e+05	2.3286e-10	6.6714e+04
553	435	-1.9556e-11	6.7787e+02	9.0994e-13	-4.4022e+03	-1.0919e-11	6.1680e+04
	429	1.9556e-11	-6.7787e+02	-9.0994e-13	4.4022e+03	-1.3142e-10	1.7793e+05
554	458	7.4004e-12	3.0763e+03	-9.0950e-13	1.4535e+05	3.4925e-10	5.1452e+05
	435	-7.4004e-12	-3.0763e+03	9.0950e-13	-1.4535e+05	-5.8699e-11	4.6383e+05
555	467	1.0386e-11	-1.0481e+03	1.1370e-12	-7.4131e+04	-1.2030e-10	-4.0055e+04
	458	-1.0386e-11	1.0481e+03	-1.1370e-12	7.4131e+04	-6.0045e-11	-3.0633e+05
556	449	9.4739e-12	-1.3797e+03	-1.4824e-12	-5.9242e+04	4.6198e-11	-2.3840e+05
	467	-9.4739e-12	1.3797e+03	1.4824e-12	5.9242e+04	9.7927e-11	-2.1119e+05
557	447	1.1532e-11	4.7354e+02	-1.8341e-12	4.7256e+04	1.7478e-10	7.5685e+04
	449	-1.1532e-11	-4.7354e+02	1.8341e-12	-4.7256e+04	1.3038e-10	9.1500e+04
558	445	-2.8117e-11	4.4219e+02	1.0170e-12	-4.3617e+04	-6.5106e-11	7.3752e+04
	447	2.8117e-11	-4.4219e+02	-1.0170e-12	4.3617e+04	-2.3334e-10	6.4728e+04
559	456	1.6280e-11	-2.8607e+02	3.6403e-12	3.4456e+04	-5.8241e-10	-4.8147e+04

	445	-1.6280e-11	2.8607e+02	-3.6403e-12	-3.4456e+04	-3.3082e-10	-4.1779e+04
560	452	-7.2902e-12	-6.0946e+02	9.1139e-13	2.5246e+04	-4.8001e-10	-8.2563e+04
	453	7.2902e-12	6.0946e+02	-9.1139e-13	-2.5246e+04	4.6589e-10	-1.1234e+05
561	90	-1.7038e-10	-5.8595e+03	1.1104e-11	8.2772e+04	4.6619e-10	-5.1768e+05
	452	1.7038e-10	5.8595e+03	-1.1104e-11	-8.2772e+04	-2.1245e-09	-4.7651e+05
562	424	3.0058e-11	-4.6067e+02	-4.0745e-12	7.5359e+04	2.4014e-10	-7.8444e+04
	169	-3.0058e-11	4.6067e+02	4.0745e-12	-7.5359e+04	6.6179e-10	-6.9604e+04
563	461	-5.8662e-11	-4.1125e+02	-7.2815e-12	-6.3336e+03	3.0003e-11	-6.7292e+04
	424	5.8662e-11	4.1125e+02	7.2815e-12	6.3336e+03	2.4047e-10	-6.3700e+04
572	420	-6.7032e-14	4.1597e+02	-1.7068e-13	6.9805e+04	4.6589e-10	7.1221e+04
	162	6.7032e-14	-4.1597e+02	1.7068e-13	-6.9805e+04	-4.6589e-10	6.2230e+04
573	436	7.1054e-15	2.6269e+02	9.0950e-12	2.1496e+04	-4.6663e-10	4.0467e+04
	420	-7.1054e-15	-2.6269e+02	-9.0950e-12	-2.1496e+04	-7.2902e-12	4.3088e+04
574	431	-1.4559e-11	2.1115e+02	2.0402e-12	4.3326e+04	-7.3692e-10	3.3032e+04
	436	1.4559e-11	-2.1115e+02	-2.0402e-12	-4.3326e+04	4.8374e-10	3.4132e+04
575	440	-7.2796e-12	-3.4013e+02	1.0193e-12	-2.8376e+04	-2.3295e-10	-5.2975e+04
	431	7.2796e-12	3.4013e+02	-1.0193e-12	2.8376e+04	-1.2138e-10	-5.5206e+04
576	422	-3.0014e-11	2.6257e+02	2.2858e-12	7.7515e+03	-6.9918e-10	4.3919e+04
	440	3.0014e-11	-2.6257e+02	-2.2858e-12	-7.7515e+03	-4.6607e-10	4.1422e+04
577	416	7.2904e-12	1.2077e+02	-3.6399e-12	4.2726e+04	-1.1643e-09	1.2778e+04
	422	-7.2904e-12	-1.2077e+02	3.6399e-12	-4.2726e+04	1.1645e-09	2.5788e+04
578	426	1.4580e-11	-9.0829e+01	-2.5826e-12	-1.2507e+04	4.6940e-10	-2.0167e+04
	416	-1.4580e-11	9.0829e+01	2.5826e-12	1.2507e+04	1.0655e-11	-8.6147e+03
579	78	1.4568e-11	8.6474e+01	-7.5156e-12	-6.4909e+04	5.2068e-10	2.0081e+04
	426	-1.4568e-11	-8.6474e+01	7.5156e-12	6.4909e+04	5.2068e-10	9.0322e+03
588	174	1.2002e-10	2.7767e+02	-2.2924e-13	6.6526e+03	-1.3808e-10	6.8316e+04
	445	-1.2002e-10	-2.7767e+02	2.2924e-13	-6.6526e+03	1.9103e-10	7.5800e+04
589	432	2.3332e-10	3.5035e+02	3.7578e-12	2.1224e+04	1.0562e-09	7.9418e+04
	174	-2.3332e-10	-3.5035e+02	-3.7578e-12	-2.1224e+04	-1.3290e-09	-1.1747e+04
590	439	4.6568e-10	1.4281e+04	1.8750e-12	-3.0608e+04	-6.6437e-10	6.2127e+05
	122	-4.6568e-10	-1.4281e+04	-1.8750e-12	3.0608e+04	6.5873e-10	1.9298e+06
591	115	6.5997e-11	-2.0165e+03	2.9108e-11	1.9359e+04	-3.2686e-09	-1.1882e+05
	123	-6.5997e-11	2.0165e+03	-2.9108e-11	-1.9359e+04	-2.8061e-09	-1.8203e+05
592	104	-7.4388e-12	-1.2388e+03	3.0977e-11	2.0062e+04	-1.3971e-09	-1.6427e+05
	115	7.4388e-12	1.2388e+03	-3.0977e-11	-2.0062e+04	-7.0840e-10	-6.7901e+04
593	92	-2.9111e-11	4.1844e+03	6.6273e-12	-1.1286e+04	-3.6541e-09	3.2261e+05
	104	2.9111e-11	-4.1844e+03	-6.6273e-12	1.1286e+04	7.0397e-10	2.9625e+05
594	104	-1.6321e-11	5.6179e+03	2.1136e-12	-7.5357e+04	-3.5000e-10	6.0279e+05
	467	1.6321e-11	-5.6179e+03	-2.1136e-12	7.5357e+04	-1.4580e-10	3.4261e+05
595	123	-3.4933e-10	1.2190e+04	6.6860e-12	5.0719e+04	-3.7510e-10	1.1606e+06
	458	3.4933e-10	-1.2190e+04	-6.6860e-12	-5.0719e+04	-3.4940e-10	6.9437e+05
596	424	-1.1643e-10	7.3459e+02	1.5641e-13	1.7197e+04	-8.0470e-11	2.0309e+05
	429	1.1643e-10	-7.3459e+02	-1.5641e-13	-1.7197e+04	-3.0090e-11	1.7816e+05
598	461	-5.8215e-11	5.7538e+02	-1.1722e-13	3.2460e+04	4.6170e-11	1.6266e+05
	435	5.8215e-11	-5.7538e+02	1.1722e-13	-3.2460e+04	4.1220e-11	1.3597e+05
599	459	-2.2737e-13	1.9204e+03	-4.0741e-12	1.5866e+04	-9.3860e-10	1.8574e+05
	461	2.2737e-13	-1.9204e+03	4.0741e-12	-1.5866e+04	1.0413e-09	1.8588e+05
600	452	-8.7313e-11	3.3408e+02	-5.2116e-13	-1.6449e+04	1.4305e-10	9.6308e+04
	449	8.7313e-11	-3.3408e+02	5.2116e-13	1.6449e+04	1.3734e-10	7.7089e+04
601	423	-1.2006e-10	2.3082e+03	1.6278e-11	2.9661e+04	-1.0816e-09	2.1881e+05

	452	1.2006e-10	-2.3082e+03	-1.6278e-11	-2.9661e+04	-2.3329e-10	2.2786e+05
602	456	7.5008e-12	2.3404e+03	-1.1806e-13	2.2144e+04	5.4790e-12	5.0644e+05
	78	-7.5008e-12	-2.3404e+03	1.1806e-13	-2.2144e+04	9.0994e-12	7.7382e+05
603	85	1.3103e-10	2.3927e+03	-1.1728e-13	2.2258e+04	-4.8952e-11	7.3969e+05
	456	-1.3103e-10	-2.3927e+03	1.1728e-13	-2.2258e+04	6.5320e-11	4.4249e+05
604	442	1.6497e-10	4.2449e+03	-8.0415e-14	2.5959e+04	3.0494e-11	6.2966e+05
	162	-1.6497e-10	-4.2449e+03	8.0415e-14	-2.5959e+04	1.7161e-11	1.6500e+06
605	169	-4.6935e-10	5.1257e+03	-1.2796e-13	3.1608e+04	3.1351e-11	1.8325e+06
	442	4.6935e-10	-5.1257e+03	1.2796e-13	-3.1608e+04	6.0250e-11	7.5105e+05
606	420	-2.3283e-10	2.4129e+03	-8.3365e-12	-3.8171e+04	5.8325e-11	2.1169e+05
	419	2.3283e-10	-2.4129e+03	8.3365e-12	3.8171e+04	9.4769e-10	2.5522e+05
607	429	6.5104e-11	6.9269e+02	-2.5433e-13	-8.2071e+03	7.4586e-11	1.7693e+05
	420	-6.5104e-11	-6.9269e+02	2.5433e-13	8.2071e+03	6.6001e-11	2.0544e+05
608	436	-1.3103e-10	2.3019e+03	-2.7291e-12	-1.0559e+04	-9.3871e-10	2.0617e+05
	443	1.3103e-10	-2.3019e+03	2.7291e-12	1.0559e+04	9.7622e-10	2.3927e+05
609	435	1.2022e-10	6.6431e+02	4.8237e-13	-7.9373e+03	-7.3079e-12	1.7801e+05
	436	-1.2022e-10	-6.6431e+02	-4.8237e-13	7.9373e+03	-3.6394e-11	1.8869e+05
610	431	1.1647e-10	2.6549e+03	-2.2838e-13	1.0960e+04	3.3440e-10	1.2107e+05
	417	-1.1647e-10	-2.6549e+03	2.2838e-13	-1.0960e+04	-5.8209e-11	3.9344e+05
611	458	1.4627e-10	1.5377e+03	-8.0737e-14	-1.0231e+04	3.2758e-11	2.8845e+05
	431	-1.4627e-10	-1.5377e+03	8.0737e-14	1.0231e+04	3.7108e-11	5.6078e+05
612	440	9.4703e-11	1.8845e+03	7.4999e-12	6.7824e+03	-1.9343e-09	1.6780e+05
	438	-9.4703e-11	-1.8845e+03	-7.4999e-12	-6.7824e+03	1.0558e-09	1.9686e+05
613	467	-8.4271e-12	5.4479e+02	-3.2664e-13	1.6965e+04	9.1152e-13	1.3366e+05
	440	8.4271e-12	-5.4479e+02	3.2664e-13	-1.6965e+04	1.8191e-11	1.6711e+05
614	422	-1.3021e-10	1.8983e+03	7.7708e-12	-3.4490e+03	-6.0248e-11	1.6371e+05
	448	1.3021e-10	-1.8983e+03	-7.7708e-12	3.4490e+03	-2.9106e-10	2.0415e+05
615	449	-4.6073e-11	5.3036e+02	-1.3428e-13	1.5068e+04	-1.3340e-10	1.4648e+05
	422	4.6073e-11	-5.3036e+02	1.3428e-13	-1.5068e+04	1.8697e-10	1.4628e+05
616	426	-3.4963e-10	4.3249e+02	8.1895e-12	2.1117e+04	-9.3323e-10	-1.7875e+04
	433	3.4963e-10	-4.3249e+02	-8.1895e-12	-2.1117e+04	-6.1335e-11	1.0112e+05
617	445	-1.1666e-10	2.9023e+02	2.2782e-13	1.0858e+04	-1.4557e-10	9.0633e+04
	426	1.1666e-10	-2.9023e+02	-2.2782e-13	-1.0858e+04	1.0189e-10	6.9693e+04
618	416	5.8498e-10	9.0379e+02	-7.5014e-12	2.5152e+04	2.3464e-10	-1.7675e+05
	434	-5.8498e-10	-9.0379e+02	7.5014e-12	-2.5152e+04	2.4866e-10	3.5071e+05
619	447	5.8726e-11	9.4535e+02	-4.2693e-14	9.2353e+03	4.3087e-11	2.9105e+05
	416	-5.8726e-11	-9.4535e+02	4.2693e-14	-9.2353e+03	-3.2752e-11	2.3093e+05
620	453	-3.7521e-12	1.2724e+03	-8.0790e-14	-1.5869e+04	1.0004e-11	3.9624e+05
	447	3.7521e-12	-1.2724e+03	8.0790e-14	1.5869e+04	1.4672e-11	2.6431e+05
621	468	1.6468e-10	8.1380e+02	1.8340e-12	-6.7244e+03	5.2407e-10	2.0767e+05
	453	-1.6468e-10	-8.1380e+02	-1.8340e-12	6.7244e+03	-5.4079e-10	-6.4532e+04
622	364	1.8729e-11	6.5303e+02	-9.0950e-13	-1.9281e+05	2.3328e-10	9.0145e+04
	363	-1.8729e-11	-6.5303e+02	9.0950e-13	1.9281e+05	2.3328e-10	1.1845e+05
623	382	1.5709e-11	1.4127e+03	1.0184e-12	-1.1321e+04	-1.1642e-10	1.8285e+05
	364	-1.5709e-11	-1.4127e+03	-1.0184e-12	1.1321e+04	-2.2737e-13	2.6916e+05
624	339	-2.6044e-11	3.7786e+03	1.0184e-12	1.5304e+05	-3.5414e-10	6.0440e+05
	382	2.6044e-11	-3.7786e+03	-1.0184e-12	-1.5304e+05	3.0001e-11	5.9727e+05
625	334	1.7118e-11	-1.0306e+03	-3.4606e-13	-7.2114e+04	1.7466e-10	-6.9543e+04
	339	-1.7118e-11	1.0306e+03	3.4606e-13	7.2114e+04	-1.4557e-10	-2.7346e+05
626	378	-1.1868e-11	-1.7572e+03	8.1437e-13	-4.2390e+04	-4.1200e-11	-2.9997e+05

	334	1.1868e-11	1.7572e+03	-8.1437e-13	4.2390e+04	-2.9105e-11	-2.7143e+05
627	384	-1.2895e-11	-8.4545e+02	-2.2915e-13	5.9843e+04	2.3283e-10	-1.3715e+05
	378	1.2895e-11	8.4545e+02	2.2915e-13	-5.9843e+04	-1.1664e-10	-1.3631e+05
628	362	-1.5963e-11	7.9152e+02	4.5477e-13	-5.1585e+04	1.2001e-10	1.2717e+05
	384	1.5963e-11	-7.9152e+02	-4.5477e-13	5.1585e+04	-1.6531e-10	1.2070e+05
629	347	2.1191e-11	-5.5151e+02	1.1369e-13	3.3323e+04	-5.2246e-10	-8.7544e+04
	362	-2.1191e-11	5.5151e+02	-1.1369e-13	-3.3323e+04	2.3465e-10	-8.4321e+04
630	338	2.9331e-11	-9.1763e+02	1.0232e-12	2.7279e+04	-1.2000e-10	-1.3813e+05
	350	-2.9331e-11	9.1763e+02	-1.0232e-12	-2.7279e+04	-1.2001e-10	-1.5423e+05
631	88	-5.9999e-11	-7.3774e+03	-1.8191e-11	7.2655e+04	9.3133e-10	-6.3718e+05
	338	5.9999e-11	7.3774e+03	1.8191e-11	-7.2655e+04	9.3903e-10	-6.1451e+05
632	356	-3.0000e-11	-5.1709e+02	-4.0738e-12	5.4457e+04	-9.6043e-10	-8.5797e+04
	166	3.0000e-11	5.1709e+02	4.0738e-12	-5.4457e+04	1.4166e-09	-8.0227e+04
633	348	6.5180e-11	-5.4413e+02	-3.6380e-12	-9.9360e+03	-2.3284e-10	-8.6543e+04
	356	-6.5180e-11	5.4413e+02	3.6380e-12	9.9360e+03	1.4018e-09	-8.6503e+04
634	119	-6.6685e-11	-9.0266e+02	3.6663e-12	-2.4443e+04	-2.3329e-10	-1.4777e+05
	348	6.6685e-11	9.0266e+02	-3.6663e-12	2.4443e+04	-2.3283e-10	-1.4591e+05
643	381	5.8208e-11	4.4423e+02	3.6451e-12	5.6860e+04	-9.3132e-10	7.5627e+04
	128	-5.8208e-11	-4.4423e+02	-3.6451e-12	-5.6860e+04	-4.5475e-13	6.6941e+04
644	376	-7.2810e-12	3.7126e+02	-1.8331e-12	2.1239e+04	4.6657e-10	5.8165e+04
	381	7.2810e-12	-3.7126e+02	1.8331e-12	-2.1239e+04	2.3283e-10	5.9903e+04
645	373	5.8661e-11	3.3138e+02	2.7285e-12	4.3953e+04	-4.6589e-10	5.2503e+04
	376	-5.8661e-11	-3.3138e+02	-2.7285e-12	-4.3953e+04	-1.3016e-10	5.2876e+04
646	361	-1.0916e-11	4.8069e+02	5.0924e-13	-2.6101e+04	1.2000e-10	7.5923e+04
	373	1.0916e-11	-4.8069e+02	-5.0924e-13	2.6101e+04	-4.3682e-10	7.6940e+04
647	375	5.8662e-11	3.8926e+02	-2.7379e-12	1.0168e+04	2.9113e-10	6.3618e+04
	361	-5.8662e-11	-3.8926e+02	2.7379e-12	-1.0168e+04	1.6464e-10	6.2894e+04
648	369	3.2539e-11	-2.4352e+02	-1.8784e-12	6.3726e+04	4.6589e-10	-2.9654e+04
	375	-3.2539e-11	2.4352e+02	1.8784e-12	-6.3726e+04	2.9152e-11	-4.7995e+04
649	388	-5.8661e-11	7.8078e+01	-2.5826e-12	-9.6752e+03	4.8088e-10	1.8540e+04
	369	5.8661e-11	-7.8078e+01	2.5826e-12	9.6752e+03	4.6566e-10	8.1075e+03
650	76	3.0002e-11	1.2888e+02	-7.2902e-12	-7.3731e+04	2.3283e-10	2.9456e+04
	388	-3.0002e-11	-1.2888e+02	7.2902e-12	7.3731e+04	4.6566e-10	1.1818e+04
659	173	3.0000e-11	3.7322e+02	-8.5268e-14	7.2174e+03	-4.4258e-11	8.2103e+04
	362	-3.0000e-11	-3.7322e+02	8.5268e-14	-7.2174e+03	6.5079e-11	1.1161e+05
660	353	-1.1642e-10	4.8963e+02	3.6663e-12	3.3874e+04	-2.6034e-10	1.0545e+05
	173	1.1642e-10	-4.8963e+02	-3.6663e-12	-3.3874e+04	-4.6930e-10	-1.1028e+04
661	355	-1.2005e-10	1.9877e+04	-4.0674e-12	-2.7286e+04	2.4867e-10	1.1393e+06
	119	1.2005e-10	-1.9877e+04	4.0674e-12	2.7286e+04	4.6657e-10	2.4115e+06
662	113	-1.5001e-11	-2.4645e+03	-1.4552e-11	1.5449e+04	1.4018e-09	-1.5903e+05
	121	1.5001e-11	2.4645e+03	1.4552e-11	-1.5449e+04	9.3869e-10	-2.0586e+05
663	102	3.6421e-12	-1.2086e+03	9.1070e-12	1.6358e+04	9.3325e-10	-1.4305e+05
	113	-3.6421e-12	1.2086e+03	-9.1070e-12	-1.6358e+04	-1.6301e-09	-7.3712e+04
664	89	2.6237e-11	4.5007e+03	6.5910e-12	-1.0547e+04	-5.0010e-10	3.5422e+05
	102	-2.6237e-11	-4.5007e+03	-6.5910e-12	1.0547e+04	-3.9074e-10	3.1133e+05
665	102	5.3582e-11	7.1413e+03	7.9599e-13	-4.9303e+04	3.6264e-10	6.8303e+05
	334	-5.3582e-11	-7.1413e+03	-7.9599e-13	4.9303e+04	-5.8498e-10	5.1847e+05
666	121	-1.7462e-10	1.3787e+04	-2.1840e-12	4.1587e+04	1.6464e-10	1.2177e+06
	339	1.7462e-10	-1.3787e+04	2.1840e-12	-4.1587e+04	1.1644e-10	8.8014e+05
667	356	5.8208e-11	1.2217e+03	5.1807e-13	2.1205e+04	-4.6164e-11	3.2245e+05

	364	-5.8208e-11	-1.2217e+03	-5.1807e-13	-2.1205e+04	-1.4552e-10	3.1162e+05
668	367	2.3283e-10	3.7727e+03	-4.5578e-13	-2.4869e+04	-4.6566e-10	3.8380e+05
	356	-2.3283e-10	-3.7727e+03	4.5578e-13	2.4869e+04	1.5662e-09	3.4622e+05
669	348	9.2108e-11	8.7519e+02	-1.3407e-13	2.6841e+04	5.4449e-11	2.3111e+05
	382	-9.2108e-11	-8.7519e+02	1.3407e-13	-2.6841e+04	6.5078e-11	2.2311e+05
670	349	7.2831e-12	3.4765e+03	-1.3647e-12	1.3353e+04	5.2387e-10	3.3999e+05
	348	-7.2831e-12	-3.4765e+03	1.3647e-12	-1.3353e+04	-1.0168e-12	3.3271e+05
671	338	-6.0027e-11	6.2835e+02	-2.8447e-14	-1.2127e+04	1.3016e-10	1.6509e+05
	378	6.0027e-11	-6.2835e+02	2.8447e-14	1.2127e+04	-1.4568e-11	1.6103e+05
672	368	-1.1642e-10	3.6910e+03	7.5008e-12	1.8090e+04	-5.2063e-10	3.5986e+05
	338	1.1642e-10	-3.6910e+03	-7.5008e-12	-1.8090e+04	-5.8217e-10	3.5438e+05
673	347	-8.2318e-11	3.0465e+03	1.7764e-14	-2.3947e+04	-1.8198e-12	7.4733e+05
	76	8.2318e-11	-3.0465e+03	-1.7764e-14	2.3947e+04	-3.1834e-12	9.1913e+05
674	83	1.3016e-10	3.2471e+03	-2.5511e-13	2.6649e+04	4.4407e-11	8.9667e+05
	347	-1.3016e-10	-3.2471e+03	2.5511e-13	-2.6649e+04	4.1798e-11	7.0742e+05
675	363	-5.8208e-11	5.7079e+03	-2.1319e-14	2.9828e+04	-5.4574e-12	1.1050e+06
	128	5.8208e-11	-5.7079e+03	2.1319e-14	-2.9828e+04	1.6295e-11	1.9603e+06
676	166	1.1664e-10	6.8429e+03	-1.8102e-13	3.4612e+04	3.0014e-11	2.1800e+06
	363	-1.1664e-10	-6.8429e+03	1.8102e-13	-3.4612e+04	4.3084e-11	1.2690e+06
677	381	0.0000e+00	3.9510e+03	7.2902e-12	-2.5880e+04	-1.6830e-09	3.6490e+05
	380	0.0000e+00	-3.9510e+03	-7.2902e-12	2.5880e+04	1.5662e-09	3.9962e+05
678	364	-5.8208e-11	1.0857e+03	-4.2654e-14	-1.2131e+04	8.8594e-11	2.9563e+05
	381	5.8208e-11	-1.0857e+03	4.2654e-14	1.2131e+04	-4.6591e-11	3.0368e+05
679	376	-2.3294e-10	4.0778e+03	4.5485e-13	7.6353e+03	1.1648e-10	3.7345e+05
	370	2.3294e-10	-4.0778e+03	-4.5485e-13	-7.6353e+03	-1.1648e-10	4.1561e+05
680	382	-5.9999e-11	1.1922e+03	-6.9153e-13	-8.7464e+03	1.3198e-10	3.3181e+05
	376	5.9999e-11	-1.1922e+03	6.9153e-13	8.7464e+03	2.0991e-10	3.2626e+05
681	373	1.8199e-13	3.3092e+03	-7.2902e-12	6.1359e+03	4.6930e-10	2.5741e+05
	383	-1.8199e-13	-3.3092e+03	7.2902e-12	-6.1359e+03	4.8001e-10	3.8293e+05
682	339	1.0186e-10	2.9298e+03	3.1975e-14	-1.1467e+04	-3.4942e-11	7.0625e+05
	373	-1.0186e-10	-2.9298e+03	-3.1975e-14	1.1467e+04	1.9973e-11	9.1106e+05
683	361	-1.7101e-10	3.4571e+03	-7.3327e-12	6.0213e+03	6.6877e-10	3.1487e+05
	371	1.7101e-10	-3.4571e+03	7.3327e-12	-6.0213e+03	6.8132e-10	3.5407e+05
684	334	-5.9608e-11	9.8975e+02	-1.1369e-13	2.4657e+04	-1.6529e-10	2.6014e+05
	361	5.9608e-11	-9.8975e+02	1.1369e-13	-2.4657e+04	2.8126e-10	2.8621e+05
685	375	5.8208e-11	3.2345e+03	3.3516e-14	5.1011e+03	2.3283e-10	2.9179e+05
	354	-5.8208e-11	-3.2345e+03	-3.3516e-14	-5.1011e+03	-2.6032e-10	3.3502e+05
686	378	-6.0109e-11	9.0911e+02	3.0612e-13	2.1511e+04	-2.4000e-10	2.5477e+05
	375	6.0109e-11	-9.0911e+02	-3.0612e-13	-2.1511e+04	4.7298e-11	2.4706e+05
687	388	-1.4563e-11	5.9271e+02	-1.6497e-11	-2.7706e+04	4.8025e-10	-4.0359e+04
	386	1.4563e-11	-5.9271e+02	1.6497e-11	2.7706e+04	2.3295e-10	1.5452e+05
688	362	1.7703e-10	4.7419e+02	2.7848e-13	1.6348e+04	2.6675e-10	1.5830e+05
	388	-1.7703e-10	-4.7419e+02	-2.7848e-13	-1.6348e+04	-2.7130e-10	1.0353e+05
689	369	1.1732e-10	1.5485e+03	2.2738e-13	4.2623e+04	-2.3465e-10	-2.4401e+05
	385	-1.1732e-10	-1.5485e+03	-2.2738e-13	-4.2623e+04	1.2433e-10	5.4275e+05
690	384	8.8516e-11	1.4274e+03	6.3653e-14	1.0658e+04	-4.9113e-11	4.7151e+05
	369	-8.8516e-11	-1.4274e+03	-6.3653e-14	-1.0658e+04	3.9396e-11	3.1644e+05
691	350	-2.9104e-11	1.9053e+03	7.1143e-15	2.1630e+04	-1.2734e-11	5.2706e+05
	384	2.9104e-11	-1.9053e+03	-7.1143e-15	-2.1630e+04	3.6409e-12	4.6191e+05
692	352	7.2911e-12	2.5672e+03	-6.8217e-13	-4.5314e+03	-2.7457e-10	3.8634e+05

	350	-7.2911e-12	-2.5672e+03	6.8217e-13	4.5314e+03	5.2790e-10	1.1375e+05
693	172	-1.8217e-12	5.7906e+02	1.1404e-13	1.8182e+04	-2.9141e-11	1.5148e+05
	141	1.8217e-12	-5.7906e+02	-1.1404e-13	-1.8182e+04	-4.3855e-12	1.4912e+05
694	130	3.3122e-12	-5.0195e+02	-5.4622e-12	2.6554e+04	2.3346e-10	-5.0902e+03
	172	-3.3122e-12	5.0195e+02	5.4622e-12	-2.6554e+04	2.3295e-10	-9.6649e+04
695	171	2.1486e+03	-1.4278e+03	-3.5526e+02	-1.2630e+04	6.6304e+04	-2.9928e+05
	172	-2.1486e+03	1.4278e+03	3.5526e+02	1.2630e+04	5.0937e+04	-1.7190e+05
696	134	8.1731e-12	6.6764e+03	3.6471e-12	2.2480e+04	-2.3314e-10	3.9089e+05
	503	-8.1731e-12	-6.6764e+03	-3.6471e-12	-2.2480e+04	-2.3472e-10	8.0240e+05
697	496	-7.5219e-12	-1.9977e+03	-1.3656e-12	1.3646e+04	3.3598e-11	-1.1839e+05
	504	7.5219e-12	1.9977e+03	1.3656e-12	-1.3646e+04	4.3933e-11	-1.7800e+05
698	494	-1.1849e-12	-9.6555e+02	-1.7632e-12	1.3144e+04	1.6596e-11	-1.2264e+05
	496	1.1849e-12	9.6555e+02	1.7632e-12	-1.3144e+04	4.3705e-11	-5.3977e+04
699	493	-1.2383e-12	1.9117e+03	7.7337e-13	5.0859e+03	-2.1856e-11	1.4711e+05
	494	1.2383e-12	-1.9117e+03	-7.7337e-13	-5.0859e+03	-8.8025e-11	1.3570e+05
700	494	-1.6742e-11	5.8169e+03	6.8250e-13	-1.6953e+04	-1.8444e-12	5.6433e+05
	144	1.6742e-11	-5.8169e+03	-6.8250e-13	1.6953e+04	-4.1420e-12	4.1435e+05
701	504	1.0195e-12	1.2727e+04	-4.5979e-13	1.4152e+04	2.7285e-12	1.0965e+06
	145	-1.0195e-12	-1.2727e+04	4.5979e-13	-1.4152e+04	4.3333e-12	8.4014e+05
702	137	-4.3694e-11	1.5328e+03	3.4233e-13	2.4595e+04	-2.9422e-11	4.0037e+05
	147	4.3694e-11	-1.5328e+03	-3.4233e-13	-2.4595e+04	-1.9568e-12	3.9517e+05
703	136	-2.9611e-11	2.7347e+03	-7.1436e-14	-9.2413e+03	4.6660e-10	2.3936e+05
	137	2.9611e-11	-2.7347e+03	7.1436e-14	9.2413e+03	-2.3498e-10	2.8998e+05
704	138	7.2798e-12	1.0843e+03	-1.1402e-13	2.3738e+04	9.2850e-13	2.8652e+05
	146	-7.2798e-12	-1.0843e+03	1.1402e-13	-2.3738e+04	1.5639e-12	2.7625e+05
705	135	5.8238e-11	2.4159e+03	-1.8334e-12	1.0582e+04	2.3384e-10	1.9491e+05
	138	-5.8238e-11	-2.4159e+03	1.8334e-12	-1.0582e+04	7.7741e-12	2.7265e+05
706	140	-3.7509e-12	6.5803e+02	6.5173e-15	-3.2199e+03	-3.1015e-12	1.7788e+05
	143	3.7509e-12	-6.5803e+02	-6.5173e-15	3.2199e+03	-1.4306e-12	1.6364e+05
707	132	-5.0946e-11	1.8133e+03	-2.3639e-13	4.5012e+04	-5.1200e-12	1.6586e+05
	140	5.0946e-11	-1.8133e+03	2.3639e-13	-4.5012e+04	2.3289e-10	1.8503e+05
708	161	-4.8344e-13	2.1757e+02	9.3932e-15	1.4234e+04	5.4842e-12	5.7089e+04
	482	4.8344e-13	-2.1757e+02	-9.3932e-15	-1.4234e+04	-5.4932e-12	6.1946e+04
709	579	-5.8733e-11	1.9313e+03	1.9027e-12	-2.2404e+04	-9.0490e-12	5.9324e+04
	161	5.8733e-11	-1.9313e+03	-1.9027e-12	2.2404e+04	-1.1715e-10	9.0386e+04
710	25	-5.8671e-11	2.7800e+04	-3.6391e-12	-3.3414e+04	1.8048e-11	1.1288e+06
	479	5.8671e-11	-2.7800e+04	3.6391e-12	3.3414e+04	5.2383e-12	1.7487e+06
711	148	-1.4583e-11	1.5024e+03	1.5219e-14	1.3197e+04	7.3033e-12	3.8038e+05
	474	1.4583e-11	-1.5024e+03	-1.5219e-14	-1.3197e+04	-9.1116e-12	4.2644e+05
712	478	7.2806e-12	1.8385e+03	2.8436e-14	1.5443e+04	-7.3544e-13	4.8760e+05
	148	-7.2806e-12	-1.8385e+03	-2.8436e-14	-1.5443e+04	-5.2681e-13	4.3904e+05
713	156	6.5882e-13	3.1151e+03	-4.8518e-14	-7.3691e+03	-2.3334e-10	3.5434e+05
	160	-6.5882e-13	-3.1151e+03	4.8518e-14	7.3691e+03	3.4961e-10	2.4846e+05
714	147	9.1804e-13	1.3276e+03	-7.5187e-14	2.0565e+04	2.2403e-12	3.6658e+05
	156	-9.1804e-13	-1.3276e+03	7.5187e-14	-2.0565e+04	2.7922e-12	3.6624e+05
715	155	5.8345e-11	3.5380e+03	-1.8207e-12	1.5277e+04	1.1655e-10	3.8142e+05
	159	-5.8345e-11	-3.5380e+03	1.8207e-12	-1.5277e+04	1.2054e-10	3.0318e+05
716	146	2.9112e-11	1.2698e+03	-7.1353e-15	1.8539e+04	2.9244e-11	3.5688e+05
	155	-2.9112e-11	-1.2698e+03	7.1353e-15	-1.8539e+04	-2.9232e-11	3.4407e+05
717	154	-2.1916e-11	3.9295e+03	-1.8227e-12	1.2605e+04	2.3337e-10	4.1091e+05

	158	2.1916e-11	-3.9295e+03	1.8227e-12	-1.2605e+04	2.3481e-10	3.4945e+05
718	145	1.4557e-11	1.1161e+03	7.5448e-14	1.4961e+04	-1.6852e-12	2.8438e+05
	154	-1.4557e-11	-1.1161e+03	-7.5448e-14	-1.4961e+04	-7.4930e-12	3.3174e+05
719	153	1.9533e-11	3.4058e+03	-2.9628e-13	1.4273e+04	-2.0787e-11	3.3719e+05
	157	-1.9533e-11	-3.4058e+03	2.9628e-13	-1.4273e+04	1.2092e-10	3.2184e+05
720	144	2.6359e-12	1.1241e+03	-1.0388e-13	1.6918e+04	1.4692e-11	3.0571e+05
	153	-2.6359e-12	-1.1241e+03	1.0388e-13	-1.6918e+04	7.7210e-12	3.1478e+05
721	151	-2.2000e-11	3.3305e+03	5.4627e-12	1.6973e+04	-2.3477e-10	3.1050e+05
	152	2.2000e-11	-3.3305e+03	-5.4627e-12	-1.6973e+04	-3.5072e-10	3.3491e+05
722	143	-1.4567e-11	1.0050e+03	9.3024e-14	1.7044e+04	-3.6452e-11	2.9017e+05
	151	1.4567e-11	-1.0050e+03	-9.3024e-14	-1.7044e+04	-3.2924e-11	2.6458e+05
723	194	-2.9238e-11	2.1138e+03	-1.8241e-12	3.2252e+04	3.4986e-10	1.6020e+05
	149	2.9238e-11	-2.1138e+03	1.8241e-12	-3.2252e+04	1.1790e-10	2.4903e+05
724	141	1.4591e-11	5.0318e+02	-4.9555e-14	1.5394e+04	-3.6804e-11	1.5533e+05
	194	-1.4591e-11	-5.0318e+02	4.9555e-14	-1.5394e+04	5.1179e-11	1.2244e+05
725	195	2.9104e-11	2.8247e+03	-1.8233e-12	3.1901e+04	1.1775e-10	2.1656e+05
	150	-2.9104e-11	-2.8247e+03	1.8233e-12	-3.1901e+04	1.4763e-11	3.3020e+05
726	142	7.4257e-12	6.6929e+02	-1.1795e-13	1.7840e+04	3.6545e-11	2.0951e+05
	195	-7.4257e-12	-6.6929e+02	1.1795e-13	-1.7840e+04	1.8439e-11	1.5996e+05
727	139	7.5018e-12	8.2471e+02	4.8977e-15	1.6762e+04	3.0254e-11	2.1848e+05
	142	-7.5018e-12	-8.2471e+02	-4.8977e-15	-1.6762e+04	-5.8365e-11	2.0955e+05
728	131	-1.4669e-11	2.5739e+02	1.3843e-13	1.3679e+04	-6.1824e-12	5.5098e+04
	139	1.4669e-11	-2.5739e+02	-1.3843e-13	-1.3679e+04	-3.9415e-12	-1.5936e+04
729	147	4.2697e-13	-1.3317e+02	9.0994e-13	2.7280e+04	-5.9229e-11	-2.1342e+04
	148	-4.2697e-13	1.3317e+02	-9.0994e-13	-2.7280e+04	-4.0841e-12	-2.0612e+04
730	146	4.4094e-13	4.7588e+02	7.1242e-14	7.0652e+03	2.9164e-11	7.6598e+04
	147	-4.4094e-13	-4.7588e+02	-7.1242e-14	-7.0652e+03	-1.4558e-10	7.4733e+04
731	145	2.8722e-13	9.9368e+02	-1.4586e-14	5.0693e+04	-4.9972e-13	1.5550e+05
	146	-2.8722e-13	-9.9368e+02	1.4586e-14	-5.0693e+04	1.4604e-11	1.6050e+05
732	144	1.2368e-13	-3.4906e+02	2.8439e-13	-1.8864e+04	-3.0723e-12	-5.3901e+04
	145	-1.2368e-13	3.4906e+02	-2.8439e-13	1.8864e+04	-4.5715e-12	-5.7107e+04
733	143	8.2348e-13	-7.0337e+02	-3.9885e-13	-1.8050e+04	1.1392e-11	-1.1519e+05
	144	-8.2348e-13	7.0337e+02	3.9885e-13	1.8050e+04	1.5069e-11	-1.1344e+05
734	142	-4.2818e-13	-4.6243e+02	-2.0287e-14	4.2505e+03	-1.4734e-11	-7.1483e+04
	143	4.2818e-13	4.6243e+02	2.0287e-14	-4.2505e+03	5.8245e-11	-7.5811e+04
735	141	2.9702e-13	-2.7759e+02	-2.2943e-13	7.9229e+03	3.0031e-11	-4.4480e+04
	142	-2.9702e-13	2.7759e+02	2.2943e-13	-7.9229e+03	3.0005e-11	-4.2421e+04
736	161	-3.6606e-12	-3.1238e+02	4.5483e-13	1.2631e+03	-5.8670e-11	-4.3130e+04
	141	3.6606e-12	3.1238e+02	-4.5483e-13	-1.2631e+03	-5.8322e-11	-5.4396e+04
737	140	-7.2795e-12	-5.5406e+02	1.1376e-13	7.1234e+03	1.9472e-12	-7.6387e+04
	139	7.2795e-12	5.5406e+02	-1.1376e-13	-7.1234e+03	-5.8248e-11	-1.0024e+05
738	492	-1.4699e-11	-6.6784e+03	-1.8273e-12	8.3481e+04	1.7504e-10	-5.6443e+05
	140	1.4699e-11	6.6784e+03	1.8273e-12	-8.3481e+04	7.3218e-11	-5.6914e+05
739	137	7.3503e-12	-8.8045e+02	-2.3461e-13	7.9428e+04	4.1931e-12	-1.4838e+05
	478	-7.3503e-12	8.8045e+02	2.3461e-13	-7.9428e+04	3.7972e-12	-1.3381e+05
740	138	7.3337e-12	-2.1873e+02	-2.3507e-13	3.9315e+03	-5.8330e-11	-3.4529e+04
	137	-7.3337e-12	2.1873e+02	2.3507e-13	-3.9315e+03	2.0376e-10	-3.5037e+04
741	503	-7.3381e-12	-1.0278e+03	-1.1595e-13	-4.6784e+04	1.9391e-12	-1.7981e+05
	138	7.3381e-12	1.0278e+03	1.1595e-13	4.6784e+04	1.4567e-11	-1.5463e+05
742	136	-9.5692e-13	8.8098e+02	-3.7135e-14	8.9221e+04	-5.8358e-11	1.4193e+05

	479	9.5692e-13	-8.8098e+02	3.7135e-14	-8.9221e+04	5.8670e-11	1.4041e+05
743	135	-3.8857e-13	2.2068e+02	-8.8221e-14	1.1469e+04	8.7624e-11	3.8827e+04
	136	3.8857e-13	-2.2068e+02	8.8221e-14	-1.1469e+04	-2.9123e-11	3.1928e+04
744	134	1.4584e-11	-5.0542e+02	1.1478e-13	3.9999e+04	-8.7336e-11	-8.8487e+04
	135	-1.4584e-11	5.0542e+02	-1.1478e-13	-3.9999e+04	5.8485e-11	-7.2399e+04
745	133	2.6733e-13	7.4750e+02	-1.7261e-14	-4.0160e+04	5.8327e-11	1.2302e+05
	134	-2.6733e-13	-7.4750e+02	1.7261e-14	4.0160e+04	-3.2910e-11	1.1469e+05
746	132	1.1378e-12	5.2452e+02	1.1501e-13	-6.4074e+03	-3.2769e-11	8.3890e+04
	133	-1.1378e-12	-5.2452e+02	-1.1501e-13	6.4074e+03	-3.6935e-11	8.6579e+04
747	131	2.9119e-11	4.8248e+02	-1.2249e-13	-1.6001e+04	-2.5657e-12	8.3767e+04
	132	-2.9119e-11	-4.8248e+02	1.2249e-13	1.6001e+04	8.7526e-11	7.4969e+04
748	130	3.5986e-13	3.3360e+02	4.5593e-13	2.4997e+03	-1.7478e-10	5.0680e+04
	131	-3.5986e-13	-3.3360e+02	-4.5593e-13	-2.4997e+03	1.1694e-10	5.0240e+04
749	488	2.9039e-13	-5.3864e+02	3.5539e-14	2.6805e+04	-9.1474e-12	-8.4126e+04
	130	-2.9039e-13	5.3864e+02	-3.5539e-14	-2.6805e+04	-1.0955e-11	-8.3592e+04
750	156	9.9002e-13	2.9894e+02	4.5843e-13	8.3637e+04	-6.0013e-11	5.4845e+04
	474	-9.9002e-13	-2.9894e+02	-4.5843e-13	-8.3637e+04	-1.1643e-10	4.1523e+04
751	155	-2.9310e-13	-4.3683e+02	-2.4832e-13	1.5978e+04	1.1649e-10	-6.7177e+04
	156	2.9310e-13	4.3683e+02	2.4832e-13	-1.5978e+04	-5.8351e-11	-7.1742e+04
752	154	-3.7470e-12	-3.7799e+02	4.5569e-13	7.5164e+03	5.8923e-11	-6.0004e+04
	155	3.7470e-12	3.7799e+02	-4.5569e-13	-7.5164e+03	-1.7464e-10	-6.0198e+04
753	153	-3.4526e-13	-5.4660e+02	1.2098e-13	9.0472e+03	-6.5795e-11	-8.6732e+04
	154	3.4526e-13	5.4660e+02	-1.2098e-13	-9.0472e+03	3.3658e-11	-8.7088e+04
754	151	-2.8164e-13	-4.8078e+02	3.4273e-13	6.6380e+03	-4.0465e-11	-7.8489e+04
	153	2.8164e-13	4.8078e+02	-3.4273e-13	-6.6380e+03	-1.4928e-11	-7.7766e+04
755	195	6.4546e-13	-3.3450e+02	6.8215e-13	2.0618e+04	-2.9177e-11	-5.0863e+04
	151	-6.4546e-13	3.3450e+02	-6.8215e-13	-2.0618e+04	-5.8211e-11	-5.5743e+04
756	194	-7.2962e-12	-1.3682e+02	-3.0575e-14	-4.6543e+03	4.0052e-12	-2.0945e+04
	195	7.2962e-12	1.3682e+02	3.0575e-14	4.6543e+03	3.7809e-12	-2.1958e+04
757	482	1.7986e-13	-1.7965e+02	-9.1153e-13	-3.0813e+04	7.3346e-12	-3.4144e+04
	194	-1.7986e-13	1.7965e+02	9.1153e-13	3.0813e+04	5.9229e-11	-2.6487e+04
758	160	-3.7557e-12	-1.5489e+03	4.5475e-13	9.4658e+04	-5.8387e-11	-2.4997e+05
	475	3.7557e-12	1.5489e+03	-4.5475e-13	-9.4658e+04	-8.7318e-11	-2.4624e+05
759	159	-4.7261e-13	-6.6121e+02	-2.2740e-13	7.6692e+03	3.1114e-11	-1.0767e+05
	160	4.7261e-13	6.6121e+02	2.2740e-13	-7.6692e+03	2.9179e-11	-1.0260e+05
760	158	7.3055e-12	-5.6736e+02	-1.1469e-13	2.9175e+03	-4.4007e-11	-8.9558e+04
	159	-7.3055e-12	5.6736e+02	1.1469e-13	-2.9175e+03	7.2773e-11	-9.0862e+04
761	157	-1.5075e-13	-5.7010e+02	-1.7421e-13	-2.5182e+03	3.6392e-11	-9.0849e+04
	158	1.5075e-13	5.7010e+02	1.7421e-13	2.5182e+03	1.3591e-12	-9.0442e+04
762	152	3.6748e-12	-5.1850e+02	-2.2814e-13	-2.7678e+03	5.4640e-11	-8.8159e+04
	157	-3.6748e-12	5.1850e+02	2.2814e-13	2.7678e+03	4.3698e-11	-8.5804e+04
763	150	7.2935e-12	-6.1788e+02	1.9025e-14	-2.2060e+03	1.5031e-11	-9.6141e+04
	152	-7.2935e-12	6.1788e+02	-1.9025e-14	2.2060e+03	-4.3866e-11	-9.4168e+04
764	149	-3.1369e-13	-2.8409e+02	-6.8273e-13	1.7451e+03	8.7394e-11	-4.4157e+04
	150	3.1369e-13	2.8409e+02	6.8273e-13	-1.7451e+03	2.9350e-11	-4.4769e+04
765	483	3.6542e-12	4.9394e+02	-2.2918e-13	-1.0327e+03	5.8675e-11	7.7361e+04
	149	-3.6542e-12	-4.9394e+02	2.2918e-13	1.0327e+03	3.7847e-12	7.6475e+04
806	352	8.6003e+02	1.7914e+03	-1.1725e+03	-2.0541e+04	1.8178e+05	2.5716e+05
	468	-8.6003e+02	-1.7914e+03	1.1725e+03	2.0541e+04	1.9342e+05	3.1614e+05
807	334	-4.7433e+03	-7.7379e+02	-2.8225e+03	-1.4303e+04	4.2034e+05	-1.1823e+05

	467	4.7433e+03	7.7379e+02	2.8225e+03	1.4303e+04	4.8287e+05	-1.2940e+05
808	348	-3.7824e+02	-7.1785e+02	-1.7995e+03	-2.0541e+04	2.6693e+05	-9.7355e+04
	461	3.7824e+02	7.1785e+02	1.7995e+03	2.0541e+04	3.0892e+05	-1.3255e+05
809	349	3.9063e+03	-9.0449e+02	-1.3905e+03	-1.4303e+04	2.0287e+05	-1.3480e+05
	459	-3.9063e+03	9.0449e+02	1.3905e+03	1.4303e+04	2.4209e+05	-1.5474e+05
810	339	-6.5995e+03	1.1801e+03	-4.5665e+03	-1.4303e+04	6.9873e+05	1.8322e+05
	458	6.5995e+03	-1.1801e+03	4.5665e+03	1.4303e+04	7.6255e+05	1.9440e+05
811	347	-3.9690e+02	-2.2602e+02	-5.2464e+03	-2.0541e+04	7.6739e+05	-3.4290e+04
	456	3.9690e+02	2.2602e+02	5.2464e+03	2.0541e+04	9.1144e+05	-3.8053e+04
812	350	1.0108e+03	8.5629e+02	-1.9950e+03	-2.0541e+04	3.1435e+05	1.1534e+05
	453	-1.0108e+03	-8.5629e+02	1.9950e+03	2.0541e+04	3.2405e+05	1.5885e+05
813	338	3.3581e+03	2.7755e+03	-1.3628e+03	-2.0541e+04	2.1118e+05	3.8900e+05
	452	-3.3581e+03	-2.7755e+03	1.3628e+03	2.0541e+04	2.2490e+05	4.9920e+05
814	378	-1.2333e+03	-1.1432e+03	-1.8864e+03	-2.0541e+04	2.7446e+05	-1.7041e+05
	449	1.2333e+03	1.1432e+03	1.8864e+03	2.0541e+04	3.2919e+05	-1.9541e+05
815	354	-1.7426e+03	1.2520e+03	-1.2976e+03	-2.0541e+04	1.8706e+05	1.7871e+05
	448	1.7426e+03	-1.2520e+03	1.2976e+03	2.0541e+04	2.2817e+05	2.2199e+05
816	384	-2.9856e+02	-7.7312e+02	-2.7857e+03	-2.0541e+04	4.2622e+05	-1.1620e+05
	447	2.9856e+02	7.7312e+02	2.7857e+03	2.0541e+04	4.6520e+05	-1.3122e+05
817	362	2.7729e+02	-6.6859e+02	-1.3674e+03	-2.0541e+04	1.9443e+05	-1.0024e+05
	445	-2.7729e+02	6.6859e+02	1.3674e+03	2.0541e+04	2.4315e+05	-1.1375e+05
818	366	2.5035e+03	2.1447e+03	-5.4595e+02	-1.4303e+04	7.0072e+04	3.1740e+05
	444	-2.5035e+03	-2.1447e+03	5.4595e+02	1.4303e+04	1.0464e+05	3.6890e+05
819	370	-2.2605e+03	9.3800e+02	-1.4376e+03	-1.4303e+04	2.0703e+05	1.4065e+05
	443	2.2605e+03	-9.3800e+02	1.4376e+03	1.4303e+04	2.5301e+05	1.5952e+05
820	363	-9.8331e+02	3.4057e+02	-7.1992e+03	-1.7406e+04	1.1090e+06	5.0267e+04
	442	9.8331e+02	-3.4057e+02	7.1992e+03	1.7406e+04	1.1948e+06	5.8779e+04
821	367	3.9955e+03	1.6470e+03	-1.3117e+03	-1.4303e+04	1.7959e+05	2.4632e+05
	441	-3.9955e+03	-1.6470e+03	1.3117e+03	1.4303e+04	2.4016e+05	2.8072e+05
822	361	1.2361e+03	6.1320e+02	-2.1775e+03	-2.0541e+04	3.2711e+05	8.0878e+04
	440	-1.2361e+03	-6.1320e+02	2.1775e+03	2.0541e+04	3.6970e+05	1.1550e+05
823	355	1.0357e+04	1.1591e+03	-2.9568e+03	-1.4303e+04	4.6681e+05	1.7233e+05
	439	-1.0357e+04	-1.1591e+03	2.9568e+03	1.4303e+04	4.7939e+05	1.9860e+05
824	371	-1.8298e+03	9.3430e+02	-1.2656e+03	-1.4303e+04	1.8162e+05	1.3903e+05
	438	1.8298e+03	-9.3430e+02	1.2656e+03	1.4303e+04	2.2336e+05	1.5996e+05
825	376	1.5441e+03	4.4100e+02	-2.4535e+03	-2.0541e+04	3.6811e+05	5.7941e+04
	436	-1.5441e+03	-4.4100e+02	2.4535e+03	2.0541e+04	4.1702e+05	8.3451e+04
826	382	-2.4216e+03	2.6156e+03	-2.6103e+03	-2.0541e+04	3.7282e+05	3.9161e+05
	435	2.4216e+03	-2.6156e+03	2.6103e+03	2.0541e+04	4.6248e+05	4.4538e+05
827	385	-1.1646e+03	1.2197e+03	-1.7355e+03	-2.0541e+04	2.5915e+05	1.7476e+05
	434	1.1646e+03	-1.2197e+03	1.7355e+03	2.0541e+04	2.9621e+05	2.1563e+05
828	386	-1.6793e+03	1.2036e+03	-6.0400e+02	-2.0541e+04	8.5961e+04	1.7525e+05
	433	1.6793e+03	-1.2036e+03	6.0400e+02	2.0541e+04	1.0734e+05	2.0997e+05
829	353	1.5310e+03	-1.6548e+03	-4.3215e+02	-2.0541e+04	6.1042e+04	-2.3922e+05
	432	-1.5310e+03	1.6548e+03	4.3215e+02	2.0541e+04	7.7288e+04	-2.9036e+05
830	373	1.3339e+03	5.1116e+02	-3.6579e+03	-2.0541e+04	5.6132e+05	6.6742e+04
	431	-1.3339e+03	-5.1116e+02	3.6579e+03	2.0541e+04	6.0920e+05	9.7031e+04
831	364	-5.4421e+02	1.0357e+03	-3.0279e+03	-2.0541e+04	4.3187e+05	1.5820e+05
	429	5.4421e+02	-1.0357e+03	3.0279e+03	2.0541e+04	5.3706e+05	1.7326e+05
832	356	-3.0425e+03	-5.5428e+02	-2.2143e+03	-2.0541e+04	3.2079e+05	-7.2732e+04

	424	3.0425e+03	5.5428e+02	2.2143e+03	2.0541e+04	3.8780e+05	-1.0523e+05
833	368	1.5656e+03	1.4137e+03	-1.1169e+03	-1.4303e+04	1.6824e+05	2.1149e+05
	423	-1.5656e+03	-1.4137e+03	1.1169e+03	1.4303e+04	1.8917e+05	2.4090e+05
834	375	1.2710e+03	4.8469e+02	-2.0408e+03	-2.0541e+04	3.0713e+05	6.4634e+04
	422	-1.2710e+03	-4.8469e+02	2.0408e+03	2.0541e+04	3.4594e+05	9.0711e+04
835	381	2.2926e+03	3.3608e+02	-2.1354e+03	-2.0541e+04	3.1774e+05	4.4163e+04
	420	-2.2926e+03	-3.3608e+02	2.1354e+03	2.0541e+04	3.6558e+05	6.4190e+04
836	380	-3.7275e+03	-1.5653e+03	-1.1624e+03	-1.4303e+04	1.7023e+05	-2.3499e+05
	419	3.7275e+03	1.5653e+03	1.1624e+03	1.4303e+04	2.0174e+05	-2.6591e+05
837	383	-2.6520e+03	8.9038e+02	-1.7220e+03	-1.4303e+04	2.2658e+05	1.3316e+05
	417	2.6520e+03	-8.9038e+02	1.7220e+03	1.4303e+04	3.2447e+05	1.5177e+05
838	323	-3.7683e+03	9.9958e+02	-4.9280e+02	-2.1851e+04	8.3363e+04	1.6274e+05
	386	3.7683e+03	-9.9958e+02	4.9280e+02	2.1851e+04	7.4414e+04	1.5750e+05
839	329	-3.1617e+03	1.1141e+03	-1.4991e+03	-2.1851e+04	2.4363e+05	1.7665e+05
	385	3.1617e+03	-1.1141e+03	1.4991e+03	2.1851e+04	2.3611e+05	1.8013e+05
840	333	-9.1289e+02	8.1977e+02	-2.5052e+03	-2.1851e+04	4.0312e+05	1.2948e+05
	384	9.1289e+02	-8.1977e+02	2.5052e+03	2.1851e+04	3.9855e+05	1.3290e+05
841	331	-5.9564e+03	8.6010e+02	-1.0902e+03	-1.5215e+04	1.8267e+05	1.3665e+05
	383	5.9564e+03	-8.6010e+02	1.0902e+03	1.5215e+04	1.6623e+05	1.3864e+05
842	325	-4.6223e+03	2.1643e+03	-2.0772e+03	-2.1851e+04	3.3813e+05	3.4621e+05
	382	4.6223e+03	-2.1643e+03	2.0772e+03	2.1851e+04	3.2660e+05	3.4640e+05
843	318	5.7865e+03	3.0550e+02	-1.9688e+03	-2.1851e+04	3.1781e+05	4.8120e+04
	381	-5.7865e+03	-3.0550e+02	1.9688e+03	2.1851e+04	3.1223e+05	5.1213e+04
844	317	-9.2608e+03	-1.4555e+03	-1.1098e+03	-1.5215e+04	1.8092e+05	-2.3361e+05
	380	9.2608e+03	1.4555e+03	1.1098e+03	1.5215e+04	1.7428e+05	-2.3218e+05
845	332	-2.5247e+03	-1.0429e+03	-1.5429e+03	-2.1851e+04	2.5175e+05	-1.6344e+05
	378	2.5247e+03	1.0429e+03	1.5429e+03	2.1851e+04	2.4200e+05	-1.7034e+05
846	322	4.3519e+03	4.1060e+02	-2.2345e+03	-2.1851e+04	3.6005e+05	6.3531e+04
	376	-4.3519e+03	-4.1060e+02	2.2345e+03	2.1851e+04	3.5502e+05	6.8713e+04
847	328	3.5460e+03	-4.5578e+02	-1.8152e+03	-2.1851e+04	2.9376e+05	-6.9060e+04
	375	-3.5460e+03	4.5578e+02	1.8152e+03	2.1851e+04	2.8713e+05	-7.7494e+04
848	327	1.9502e+03	4.5112e+02	-3.3619e+03	-2.1851e+04	5.3775e+05	6.9826e+04
	373	-1.9502e+03	-4.5112e+02	3.3619e+03	2.1851e+04	5.3806e+05	7.5273e+04
849	319	-5.2234e+03	8.8333e+02	-1.0592e+03	-1.5215e+04	1.7445e+05	1.4035e+05
	371	5.2234e+03	-8.8333e+02	1.0592e+03	1.5215e+04	1.6451e+05	1.4237e+05
850	324	-6.3930e+03	8.9721e+02	-1.2512e+03	-1.5215e+04	2.0508e+05	1.4207e+05
	370	6.3930e+03	-8.9721e+02	1.2512e+03	1.5215e+04	1.9534e+05	1.4509e+05
851	302	4.7503e+03	1.2937e+03	-1.0187e+03	-1.5215e+04	1.6517e+05	2.0781e+05
	368	-4.7503e+03	-1.2937e+03	1.0187e+03	1.5215e+04	1.6084e+05	2.0619e+05
852	307	9.1019e+03	1.5029e+03	-1.0242e+03	-1.5215e+04	1.6893e+05	2.4284e+05
	367	-9.1019e+03	-1.5029e+03	1.0242e+03	1.5215e+04	1.5889e+05	2.3810e+05
853	314	4.8968e+03	1.7916e+03	-4.1280e+02	-1.5215e+04	7.1586e+04	2.8611e+05
	366	-4.8968e+03	-1.7916e+03	4.1280e+02	1.5215e+04	6.0578e+04	2.8723e+05
854	298	-1.6797e+03	1.0050e+03	-2.3954e+03	-2.1851e+04	3.8927e+05	1.6072e+05
	364	1.6797e+03	-1.0050e+03	2.3954e+03	2.1851e+04	3.7730e+05	1.6094e+05
855	309	-2.4568e+03	3.7370e+02	-6.7238e+03	-1.8516e+04	1.0800e+06	5.9036e+04
	363	2.4568e+03	-3.7370e+02	6.7238e+03	1.8516e+04	1.0716e+06	6.0687e+04
856	306	6.6272e+02	7.2463e+02	-1.0272e+03	-2.1851e+04	1.6982e+05	1.1445e+05
	362	-6.6272e+02	-7.2463e+02	1.0272e+03	2.1851e+04	1.5891e+05	1.1749e+05
857	315	3.5890e+03	5.2115e+02	-1.9434e+03	-2.1851e+04	3.1363e+05	8.0650e+04

	361	-3.5890e+03	-5.2115e+02	1.9434e+03	2.1851e+04	3.0828e+05	8.6706e+04
858	311	-6.3139e+03	-4.4710e+02	-1.8920e+03	-2.1851e+04	3.0662e+05	-7.1831e+04
	356	6.3139e+03	4.4710e+02	1.8920e+03	2.1851e+04	2.9888e+05	-7.1894e+04
859	303	2.5968e+04	1.0569e+03	-3.1698e+03	-1.5215e+04	5.1892e+05	1.6945e+05
	355	-2.5968e+04	-1.0569e+03	3.1698e+03	1.5215e+04	4.9541e+05	1.6879e+05
860	310	-4.7803e+03	1.1276e+03	-1.0835e+03	-2.1851e+04	1.7856e+05	1.7804e+05
	354	4.7803e+03	-1.1276e+03	1.0835e+03	2.1851e+04	1.6818e+05	1.8311e+05
861	313	3.4528e+03	-1.4398e+03	-3.4907e+02	-2.1851e+04	5.9378e+04	-2.3212e+05
	353	-3.4528e+03	1.4398e+03	3.4907e+02	2.1851e+04	5.2437e+04	-2.2875e+05
862	308	3.5568e+03	1.5422e+03	-1.1351e+03	-2.1851e+04	1.8367e+05	2.4829e+05
	352	-3.5568e+03	-1.5422e+03	1.1351e+03	2.1851e+04	1.7957e+05	2.4537e+05
863	301	1.5575e+03	6.8754e+02	-1.9605e+03	-2.1851e+04	3.1479e+05	1.1100e+05
	350	-1.5575e+03	-6.8754e+02	1.9605e+03	2.1851e+04	3.1257e+05	1.0943e+05
864	300	9.3517e+03	-8.1800e+02	-1.2659e+03	-1.5215e+04	2.0747e+05	-1.3104e+05
	349	-9.3517e+03	8.1800e+02	1.2659e+03	1.5215e+04	1.9763e+05	-1.3078e+05
865	312	-1.9506e+03	-5.4162e+02	-1.6453e+03	-2.1851e+04	2.6593e+05	-8.7242e+04
	348	1.9506e+03	5.4162e+02	1.6453e+03	2.1851e+04	2.6061e+05	-8.6629e+04
866	316	-1.1022e+03	2.6021e+02	-4.1650e+03	-2.1851e+04	6.7841e+05	4.1236e+04
	347	1.1022e+03	-2.6021e+02	4.1650e+03	2.1851e+04	6.5441e+05	4.2043e+04
867	304	-1.2799e+04	1.0880e+03	-4.1639e+03	-1.5215e+04	6.6987e+05	1.7337e+05
	339	1.2799e+04	-1.0880e+03	4.1639e+03	1.5215e+04	6.6257e+05	1.7480e+05
868	305	6.8867e+03	2.1337e+03	-1.3186e+03	-2.1851e+04	2.1173e+05	3.5058e+05
	338	-6.8867e+03	-2.1337e+03	1.3186e+03	2.1851e+04	2.1023e+05	3.3231e+05
869	299	-1.0207e+04	-7.2010e+02	-2.4358e+03	-1.5215e+04	3.9531e+05	-1.1315e+05
	334	1.0207e+04	7.2010e+02	2.4358e+03	1.5215e+04	3.8416e+05	-1.1730e+05
870	265	-1.5614e+03	9.3575e+02	-2.4357e+03	-2.1373e+04	3.9653e+05	1.5055e+05
	333	1.5614e+03	-9.3575e+02	2.4357e+03	2.1373e+04	3.8288e+05	1.4904e+05
871	264	-3.6546e+03	-1.1581e+03	-1.5716e+03	-2.1373e+04	2.6003e+05	-1.8311e+05
	332	3.6546e+03	1.1581e+03	1.5716e+03	2.1373e+04	2.4292e+05	-1.8765e+05
872	238	-9.1832e+03	9.1673e+02	-1.1541e+03	-1.4883e+04	1.8835e+05	1.4777e+05
	331	9.1832e+03	-9.1673e+02	1.1541e+03	1.4883e+04	1.8102e+05	1.4571e+05
873	234	-5.0671e+03	1.2161e+03	-1.4774e+03	-2.1373e+04	2.4428e+05	1.9785e+05
	329	5.0671e+03	-1.2161e+03	1.4774e+03	2.1373e+04	2.2853e+05	1.9191e+05
874	242	5.8036e+03	5.1288e+02	-1.8028e+03	-2.1373e+04	2.9627e+05	8.1353e+04
	328	-5.8036e+03	-5.1288e+02	1.8028e+03	2.1373e+04	2.8066e+05	8.5047e+04
875	240	2.6519e+03	5.1509e+02	-3.3067e+03	-2.1373e+04	5.3667e+05	8.3593e+04
	327	-2.6519e+03	-5.1509e+02	3.3067e+03	2.1373e+04	5.2148e+05	8.3333e+04
876	233	-6.6436e+03	2.0845e+03	-2.1293e+03	-2.1373e+04	3.4798e+05	3.3748e+05
	325	6.6436e+03	-2.0845e+03	2.1293e+03	2.1373e+04	3.3344e+05	3.2958e+05
877	244	-1.0480e+04	9.3695e+02	-1.2735e+03	-1.4883e+04	2.0830e+05	1.5044e+05
	324	1.0480e+04	-9.3695e+02	1.2735e+03	1.4883e+04	1.9928e+05	1.4954e+05
878	235	-5.7578e+03	9.8437e+02	-4.8426e+02	-2.1373e+04	8.6710e+04	1.6674e+05
	323	5.7578e+03	-9.8437e+02	4.8426e+02	2.1373e+04	6.8531e+04	1.4870e+05
879	245	7.2388e+03	4.6808e+02	-2.2771e+03	-2.1373e+04	3.7433e+05	7.7096e+04
	322	-7.2388e+03	-4.6808e+02	2.2771e+03	2.1373e+04	3.5437e+05	7.5007e+04
880	239	-8.5897e+03	9.4017e+02	-1.0863e+03	-1.4883e+04	1.7916e+05	1.5148e+05
	319	8.5897e+03	-9.4017e+02	1.0863e+03	1.4883e+04	1.6850e+05	1.4950e+05
881	241	9.6077e+03	3.4799e+02	-2.0405e+03	-2.1373e+04	3.3771e+05	6.1196e+04
	318	-9.6077e+03	-3.4799e+02	2.0405e+03	2.1373e+04	3.1533e+05	5.3042e+04
882	236	-1.5198e+04	-1.5779e+03	-1.1294e+03	-1.4883e+04	1.8661e+05	-2.5409e+05

	317	1.5198e+04	1.5779e+03	1.1294e+03	1.4883e+04	1.7494e+05	-2.5086e+05
883	243	-1.8920e+03	-3.0187e+02	-3.9895e+03	-2.1373e+04	6.6013e+05	-4.8144e+04
	316	1.8920e+03	3.0187e+02	3.9895e+03	2.1373e+04	6.1653e+05	-4.8482e+04
884	246	5.9883e+03	5.8843e+02	-1.9443e+03	-2.1373e+04	3.1946e+05	9.3773e+04
	315	-5.9883e+03	-5.8843e+02	1.9443e+03	2.1373e+04	3.0274e+05	9.6390e+04
885	251	6.9749e+03	1.7094e+03	-4.2093e+02	-1.4883e+04	7.1265e+04	2.7512e+05
	314	-6.9749e+03	-1.7094e+03	4.2093e+02	1.4883e+04	6.3576e+04	2.7193e+05
886	253	5.2992e+03	-1.4650e+03	-3.8287e+02	-2.1373e+04	7.3855e+04	-2.4366e+05
	313	-5.2992e+03	1.4650e+03	3.8287e+02	2.1373e+04	4.8878e+04	-2.2531e+05
887	261	-3.5955e+03	-5.9145e+02	-1.6983e+03	-2.1373e+04	2.8226e+05	-9.8394e+04
	312	3.5955e+03	5.9145e+02	1.6983e+03	2.1373e+04	2.6125e+05	-9.3069e+04
888	257	-9.8561e+03	-4.9341e+02	-1.9738e+03	-2.1373e+04	3.2653e+05	-8.5513e+04
	311	9.8561e+03	4.9341e+02	1.9738e+03	2.1373e+04	3.0518e+05	-7.3678e+04
889	247	-7.7453e+03	1.2209e+03	-1.1014e+03	-2.1373e+04	1.8388e+05	1.9690e+05
	310	7.7453e+03	-1.2209e+03	1.1014e+03	2.1373e+04	1.6862e+05	1.9463e+05
890	248	-3.9437e+03	4.1572e+02	-6.7822e+03	-1.8112e+04	1.0932e+06	6.8040e+04
	309	3.9437e+03	-4.1572e+02	6.7822e+03	1.8112e+04	1.0771e+06	6.5254e+04
891	255	6.0785e+03	1.5650e+03	-1.0437e+03	-2.1373e+04	1.7325e+05	2.6113e+05
	308	-6.0785e+03	-1.5650e+03	1.0437e+03	2.1373e+04	1.6076e+05	2.3981e+05
892	256	1.4465e+04	1.5196e+03	-1.0926e+03	-1.4883e+04	1.8163e+05	2.4748e+05
	307	-1.4465e+04	-1.5196e+03	1.0926e+03	1.4883e+04	1.6811e+05	2.3881e+05
893	258	1.0694e+03	8.3645e+02	-1.0391e+03	-2.1373e+04	1.7583e+05	1.3511e+05
	306	-1.0694e+03	-8.3645e+02	1.0391e+03	2.1373e+04	1.5670e+05	1.3265e+05
894	260	1.0675e+04	2.2251e+03	-1.2581e+03	-2.1373e+04	2.0924e+05	3.6175e+05
	305	-1.0675e+04	-2.2251e+03	1.2581e+03	2.1373e+04	1.9337e+05	3.5038e+05
895	262	-1.9968e+04	1.0065e+03	-4.0988e+03	-1.4883e+04	6.5705e+05	1.6111e+05
	304	1.9968e+04	-1.0065e+03	4.0988e+03	1.4883e+04	6.5458e+05	1.6097e+05
896	250	4.4442e+04	1.0136e+03	-3.3651e+03	-1.4883e+04	5.4581e+05	1.6495e+05
	303	-4.4442e+04	-1.0136e+03	3.3651e+03	1.4883e+04	5.3104e+05	1.5946e+05
897	254	7.8326e+03	1.2930e+03	-9.6559e+02	-1.4883e+04	1.5894e+05	2.1149e+05
	302	-7.8326e+03	-1.2930e+03	9.6559e+02	1.4883e+04	1.5009e+05	2.0229e+05
898	259	2.2971e+03	7.0269e+02	-1.8095e+03	-2.1373e+04	2.9330e+05	1.2148e+05
	301	-2.2971e+03	-7.0269e+02	1.8095e+03	2.1373e+04	2.8574e+05	1.0378e+05
899	252	1.4549e+04	-8.2144e+02	-1.3211e+03	-1.4883e+04	2.1769e+05	-1.3538e+05
	300	-1.4549e+04	8.2144e+02	1.3211e+03	1.4883e+04	2.0509e+05	-1.2785e+05
900	263	-1.6035e+04	-7.6069e+02	-2.4654e+03	-1.4883e+04	3.9940e+05	-1.1965e+05
	299	1.6035e+04	7.6069e+02	2.4654e+03	1.4883e+04	3.8954e+05	-1.2382e+05
901	249	-2.7288e+03	1.0133e+03	-2.4829e+03	-2.1373e+04	4.0610e+05	1.6576e+05
	298	2.7288e+03	-1.0133e+03	2.4829e+03	2.1373e+04	3.8848e+05	1.5855e+05
902	142	-2.2112e+03	-7.2375e+02	-1.4780e+03	-1.7262e+04	2.3131e+05	-1.1646e+05
	265	2.2112e+03	7.2375e+02	1.4780e+03	1.7262e+04	2.5506e+05	-1.2330e+05
903	143	-4.4410e+03	-7.6795e+02	-1.2246e+03	-1.7262e+04	2.2039e+05	-1.1220e+05
	264	4.4410e+03	7.6795e+02	1.2246e+03	1.7262e+04	1.8258e+05	-1.4778e+05
904	144	-2.1497e+04	-5.0271e+02	-1.8763e+03	-1.2020e+04	3.1342e+05	-7.3528e+04
	263	2.1497e+04	5.0271e+02	1.8763e+03	1.2020e+04	3.0389e+05	-9.6321e+04
905	145	-2.6740e+04	5.4066e+02	-2.9578e+03	-1.2020e+04	4.7113e+05	8.2150e+04
	262	2.6740e+04	-5.4066e+02	2.9578e+03	1.2020e+04	5.0199e+05	9.6766e+04
906	138	-5.4435e+03	-5.7837e+02	-1.5821e+03	-1.7262e+04	2.9888e+05	-1.3083e+05
	261	5.4435e+03	5.7837e+02	1.5821e+03	1.7262e+04	2.2168e+05	-7.2172e+04
907	140	1.4389e+04	1.8397e+03	-9.4424e+02	-1.7262e+04	1.7584e+05	3.3246e+05

	260	-1.4389e+04	-1.8397e+03	9.4424e+02	1.7262e+04	1.3489e+05	2.7461e+05
908	139	3.1881e+03	6.4553e+02	-1.0721e+03	-1.7262e+04	1.7858e+05	1.5017e+05
	259	-3.1881e+03	-6.4553e+02	1.0721e+03	1.7262e+04	1.7420e+05	6.2587e+04
909	141	1.5103e+03	-6.5348e+02	-7.5341e+02	-1.7262e+04	1.4424e+05	-1.0782e+05
	258	-1.5103e+03	6.5348e+02	7.5341e+02	1.7262e+04	1.0388e+05	-1.1005e+05
910	137	-1.3577e+04	-5.1981e+02	-1.8472e+03	-1.7262e+04	3.4651e+05	-1.2507e+05
	257	1.3577e+04	5.1981e+02	1.8472e+03	1.7262e+04	2.6132e+05	-5.7371e+04
911	136	1.9882e+04	1.0006e+03	-1.3873e+03	-1.2020e+04	2.8476e+05	1.6864e+05
	256	-1.9882e+04	-1.0006e+03	1.3873e+03	1.2020e+04	1.7185e+05	1.6098e+05
912	131	7.6492e+03	1.1169e+03	-5.0104e+02	-1.7262e+04	9.1768e+04	2.1746e+05
	255	-7.6492e+03	-1.1169e+03	5.0104e+02	1.7262e+04	7.3479e+04	1.5045e+05
913	132	1.0489e+04	9.0514e+02	-7.7840e+02	-1.2020e+04	1.4937e+05	1.5935e+05
	254	-1.0489e+04	-9.0514e+02	7.7840e+02	1.2020e+04	1.0689e+05	1.3868e+05
914	130	6.8820e+03	-1.0512e+03	-1.5284e+02	-1.7262e+04	4.8477e+04	-2.0787e+05
	253	-6.8820e+03	1.0512e+03	1.5284e+02	1.7262e+04	4.5995e+03	-1.4152e+05
915	135	1.9172e+04	-5.9533e+02	-1.4654e+03	-1.2020e+04	2.8709e+05	-1.1387e+05
	252	-1.9172e+04	5.9533e+02	1.4654e+03	1.2020e+04	1.9511e+05	-8.4518e+04
916	133	8.4992e+03	1.0406e+03	-7.2450e+02	-1.2020e+04	1.6872e+05	1.6995e+05
	251	-8.4992e+03	-1.0406e+03	7.2450e+02	1.2020e+04	6.9866e+04	1.7382e+05
917	134	6.2767e+04	7.9695e+02	-2.7148e+03	-1.2020e+04	4.5026e+05	1.5298e+05
	250	-6.2767e+04	-7.9695e+02	2.7148e+03	1.2020e+04	4.4291e+05	1.0945e+05
918	147	-3.6454e+03	6.4839e+02	-2.1188e+03	-1.7262e+04	3.8124e+05	1.1043e+05
	249	3.6454e+03	-6.4839e+02	2.1188e+03	1.7262e+04	3.1597e+05	1.0297e+05
919	148	-5.3372e+03	3.7404e+02	-3.9053e+03	-1.4628e+04	5.4642e+05	7.1251e+04
	248	5.3372e+03	-3.7404e+02	3.9053e+03	1.4628e+04	7.3850e+05	5.3309e+04
920	152	-1.0536e+04	-1.0642e+03	-1.1511e+03	-1.7262e+04	2.2969e+05	-1.8357e+05
	247	1.0536e+04	1.0642e+03	1.1511e+03	1.7262e+04	1.4915e+05	-1.6840e+05
921	153	8.4453e+03	-6.9512e+02	-1.7412e+03	-1.7262e+04	3.1659e+05	-1.3086e+05
	246	-8.4453e+03	6.9512e+02	1.7412e+03	1.7262e+04	2.5630e+05	-1.0039e+05
922	155	1.0245e+04	-6.1333e+02	-2.0624e+03	-1.7262e+04	3.7450e+05	-1.2125e+05
	245	-1.0245e+04	6.1333e+02	2.0624e+03	1.7262e+04	3.0408e+05	-8.2828e+04
923	159	-1.4482e+04	-7.1999e+02	-1.5659e+03	-1.2020e+04	3.1347e+05	-1.1674e+05
	244	1.4482e+04	7.1999e+02	1.5659e+03	1.2020e+04	2.0176e+05	-1.2081e+05
924	161	-2.6521e+03	-3.4235e+02	-2.1684e+03	-1.7262e+04	3.7079e+05	-6.0883e+04
	243	2.6521e+03	3.4235e+02	2.1684e+03	1.7262e+04	3.4289e+05	-5.2375e+04
925	151	7.9794e+03	-6.4986e+02	-1.5676e+03	-1.7262e+04	2.8428e+05	-1.2371e+05
	242	-7.9794e+03	6.4986e+02	1.5676e+03	1.7262e+04	2.3150e+05	-9.3505e+04
926	156	1.3615e+04	-4.5511e+02	-1.9325e+03	-1.7262e+04	3.6114e+05	-9.5778e+04
	241	-1.3615e+04	4.5511e+02	1.9325e+03	1.7262e+04	2.7479e+05	-5.7219e+04
927	154	3.6362e+03	-6.4606e+02	-2.4449e+03	-1.7262e+04	4.0318e+05	-1.2514e+05
	240	-3.6362e+03	6.4606e+02	2.4449e+03	1.7262e+04	4.0122e+05	-8.9738e+04
928	157	-1.1892e+04	-7.3748e+02	-1.1993e+03	-1.2020e+04	2.3673e+05	-1.1986e+05
	239	1.1892e+04	7.3748e+02	1.1993e+03	1.2020e+04	1.5787e+05	-1.2337e+05
929	158	-1.2368e+04	-7.3083e+02	-1.3906e+03	-1.2020e+04	2.7924e+05	-1.1966e+05
	238	1.2368e+04	7.3083e+02	1.3906e+03	1.2020e+04	1.7833e+05	-1.2136e+05
930	160	-2.1302e+04	-1.1109e+03	-1.5591e+03	-1.2020e+04	3.2141e+05	-1.6495e+05
	236	2.1302e+04	1.1109e+03	1.5591e+03	1.2020e+04	1.9166e+05	-2.0133e+05
931	149	-7.5285e+03	7.0419e+02	-5.1051e+02	-1.7262e+04	1.1940e+05	1.4354e+05
	235	7.5285e+03	-7.0419e+02	5.1051e+02	1.7262e+04	5.0448e+04	8.9137e+04
932	150	-6.7695e+03	-1.0169e+03	-1.1242e+03	-1.7262e+04	2.0269e+05	-1.7472e+05

	234	6.7695e+03	1.0169e+03	1.1242e+03	1.7262e+04	1.6739e+05	-1.6148e+05
933	146	-8.3586e+03	9.9918e+02	-1.8492e+03	-1.7262e+04	3.3808e+05	1.3907e+05
	233	8.3586e+03	-9.9918e+02	1.8492e+03	1.7262e+04	2.7040e+05	1.9405e+05
934	127	1.9658e+03	-5.6406e+02	-2.2588e+03	-1.2630e+04	3.9403e+05	-1.2833e+05
	195	-1.9658e+03	5.6406e+02	2.2588e+03	1.2630e+04	3.5140e+05	-5.7850e+04
935	126	1.4476e+03	2.0123e+02	-1.6782e+03	-1.2630e+04	2.9526e+05	4.8008e+04
	194	-1.4476e+03	-2.0123e+02	1.6782e+03	1.2630e+04	2.5855e+05	2.1998e+04
936	51	-2.2694e+04	-1.5284e+03	-3.0070e+03	-1.2630e+04	5.4719e+05	-3.3539e+05
	160	2.2694e+04	1.5284e+03	3.0070e+03	1.2630e+04	4.4519e+05	-1.7007e+05
937	50	-1.6116e+04	-9.5400e+02	-2.9978e+03	-1.2630e+04	5.4173e+05	-2.3043e+05
	159	1.6116e+04	9.5400e+02	2.9978e+03	1.2630e+04	4.4757e+05	-8.7276e+04
938	49	-1.4777e+04	-9.7379e+02	-2.7812e+03	-1.2630e+04	5.0484e+05	-2.2890e+05
	158	1.4777e+04	9.7379e+02	2.7812e+03	1.2630e+04	4.1298e+05	-9.4900e+04
939	48	-1.4242e+04	-8.7028e+02	-2.3490e+03	-1.2630e+04	4.3484e+05	-2.0754e+05
	157	1.4242e+04	8.7028e+02	2.3490e+03	1.2630e+04	3.4034e+05	-8.2494e+04
940	47	1.6036e+04	-2.8585e+02	-2.2213e+03	-1.2630e+04	4.4066e+05	-9.0327e+04
	156	-1.6036e+04	2.8585e+02	2.2213e+03	1.2630e+04	2.9256e+05	-4.0640e+04
941	46	1.2417e+04	-4.4544e+02	-2.5024e+03	-1.2630e+04	4.8200e+05	-1.1287e+05
	155	-1.2417e+04	4.4544e+02	2.5024e+03	1.2630e+04	3.4385e+05	-4.4735e+04
942	45	6.5948e+03	-5.7881e+02	-2.4867e+03	-1.2630e+04	4.7891e+05	-1.4310e+05
	154	-6.5948e+03	5.7881e+02	2.4867e+03	1.2630e+04	3.4173e+05	-5.5247e+04
943	44	1.0639e+04	-6.7332e+02	-2.3753e+03	-1.2630e+04	4.5052e+05	-1.6304e+05
	153	-1.0639e+04	6.7332e+02	2.3753e+03	1.2630e+04	3.3336e+05	-6.5030e+04
944	43	-1.3068e+04	-7.4002e+02	-1.9113e+03	-1.2630e+04	3.6559e+05	-1.8549e+05
	152	1.3068e+04	7.4002e+02	1.9113e+03	1.2630e+04	2.6522e+05	-6.8439e+04
945	42	1.0120e+04	-5.9444e+02	-2.1491e+03	-1.2630e+04	4.0284e+05	-1.4740e+05
	151	-1.0120e+04	5.9444e+02	2.1491e+03	1.2630e+04	3.0639e+05	-5.7084e+04
946	41	-9.6615e+03	-4.6125e+02	-1.5624e+03	-1.2630e+04	3.1202e+05	-1.3144e+05
	150	9.6615e+03	4.6125e+02	1.5624e+03	1.2630e+04	2.0378e+05	-4.1586e+04
947	40	-1.0199e+04	8.8421e+02	-1.0981e+03	-1.2630e+04	2.2301e+05	1.6512e+05
	149	1.0199e+04	-8.8421e+02	1.0981e+03	1.2630e+04	1.3976e+05	1.2919e+05
948	39	-5.6184e+03	-3.6653e+02	-2.8084e+03	-1.2630e+04	6.2119e+05	-6.5481e+04
	148	5.6184e+03	3.6653e+02	2.8084e+03	1.2630e+04	3.0609e+05	-6.1657e+04
949	38	-4.3719e+03	2.8166e+02	-2.8815e+03	-1.2630e+04	5.8822e+05	3.8811e+04
	147	4.3719e+03	-2.8166e+02	2.8815e+03	1.2630e+04	3.6277e+05	5.9461e+04
950	37	-8.7092e+03	1.3332e+03	-2.6846e+03	-1.2630e+04	5.4604e+05	3.0278e+05
	146	8.7092e+03	-1.3332e+03	2.6846e+03	1.2630e+04	3.3992e+05	1.4258e+05
951	36	-3.6948e+04	7.0481e+02	-3.9237e+03	-1.2630e+04	7.1083e+05	1.4212e+05
	145	3.6948e+04	-7.0481e+02	3.9237e+03	1.2630e+04	5.8398e+05	9.3984e+04
952	35	-2.5796e+04	-9.0239e+02	-2.8937e+03	-1.2630e+04	5.4886e+05	-1.9661e+05
	144	2.5796e+04	9.0239e+02	2.8937e+03	1.2630e+04	4.0608e+05	-1.0320e+05
953	34	-4.3965e+03	-1.2550e+03	-2.1156e+03	-1.2630e+04	4.4244e+05	-2.8692e+05
	143	4.3965e+03	1.2550e+03	2.1156e+03	1.2630e+04	2.5580e+05	-1.3366e+05
954	33	-2.5652e+03	-4.6471e+02	-1.6590e+03	-1.2630e+04	3.5099e+05	-8.7511e+04
	142	2.5652e+03	4.6471e+02	1.6590e+03	1.2630e+04	1.9680e+05	-7.4564e+04
955	32	1.6258e+03	-7.1709e+02	-1.3256e+03	-1.2630e+04	2.7601e+05	-1.4973e+05
	141	-1.6258e+03	7.1709e+02	1.3256e+03	1.2630e+04	1.6203e+05	-9.3952e+04
956	31	1.9311e+04	1.9200e+03	-5.6368e+02	-1.2630e+04	1.1933e+05	3.5267e+05
	140	-1.9311e+04	-1.9200e+03	5.6368e+02	1.2630e+04	6.7632e+04	2.8192e+05
957	30	3.8198e+03	3.0440e+02	-3.9021e+02	-1.2630e+04	8.1162e+04	9.2546e+04

	139	-3.8198e+03	-3.0440e+02	3.9021e+02	1.2630e+04	4.9390e+04	4.6409e+04
958	29	-5.7434e+03	-8.9248e+02	-1.5995e+03	-1.2630e+04	3.2273e+05	-1.4396e+05
	138	5.7434e+03	8.9248e+02	1.5995e+03	1.2630e+04	2.0525e+05	-1.5621e+05
959	28	-1.5646e+04	-8.7392e+02	-2.0450e+03	-1.2630e+04	4.1139e+05	-1.3608e+05
	137	1.5646e+04	8.7392e+02	2.0450e+03	1.2630e+04	2.6372e+05	-1.5488e+05
960	27	1.5365e+04	1.7575e+02	-1.9292e+03	-1.2630e+04	3.4897e+05	1.3013e+04
	136	-1.5365e+04	-1.7575e+02	1.9292e+03	1.2630e+04	2.8770e+05	4.5109e+04
961	26	1.4791e+04	-6.8842e+02	-2.0013e+03	-1.2630e+04	3.5508e+05	-1.0098e+05
	135	-1.4791e+04	6.8842e+02	2.0013e+03	1.2630e+04	3.0534e+05	-1.2944e+05
962	582	5.5344e+04	1.6948e+02	-3.1089e+03	-1.2630e+04	5.1809e+05	7.1138e+03
	134	-5.5344e+04	-1.6948e+02	3.1089e+03	1.2630e+04	5.0785e+05	5.3315e+04
963	469	2.3419e+03	1.0077e+03	-1.7020e+03	-1.2630e+04	3.2739e+05	2.3416e+05
	133	-2.3419e+03	-1.0077e+03	1.7020e+03	1.2630e+04	2.3428e+05	1.0388e+05
964	23	1.1464e+04	8.1809e+02	-3.9570e+02	-1.2630e+04	6.7653e+04	1.8241e+05
	132	-1.1464e+04	-8.1809e+02	3.9570e+02	1.2630e+04	6.2959e+04	9.2595e+04
965	22	1.0781e+04	2.5269e+02	9.9384e+02	-1.2630e+04	-1.7357e+05	6.5072e+04
	131	-1.0781e+04	-2.5269e+02	-9.9384e+02	1.2630e+04	-1.5447e+05	6.7835e+04
966	21	1.0813e+04	-9.4945e+02	1.3003e+03	-1.2630e+04	-2.2948e+05	-1.6544e+05
	130	-1.0813e+04	9.4945e+02	-1.3003e+03	1.2630e+04	-1.9968e+05	-1.5275e+05
361	256	7.7449e-12	2.2110e+03	-8.2359e+02	6.0016e+04	1.2596e+05	3.3816e+05
	2	-7.7449e-12	-2.2110e+03	8.2359e+02	-6.0016e+04	1.3793e+05	3.7029e+05
362	252	-2.5825e-12	8.4974e+02	-3.1653e+02	2.6007e+04	5.8160e+04	1.5614e+05
	256	2.5825e-12	-8.4974e+02	3.1653e+02	-2.6007e+04	4.3850e+04	1.1772e+05
363	250	2.9218e-11	-9.7775e+02	3.6421e+02	9.8139e+04	-6.1201e+04	-1.6430e+05
	252	-2.9218e-11	9.7775e+02	-3.6421e+02	-9.8139e+04	-5.4787e+04	-1.4708e+05
364	251	3.0729e-11	2.2205e+03	-8.2714e+02	-1.0385e+05	1.2304e+05	3.3030e+05
	250	-3.0729e-11	-2.2205e+03	8.2714e+02	1.0385e+05	1.4005e+05	3.7597e+05
365	254	-3.0568e-11	8.6475e+02	-3.2212e+02	3.7491e+04	5.5374e+04	1.4866e+05
	251	3.0568e-11	-8.6475e+02	3.2212e+02	-3.7491e+04	4.9563e+04	1.3306e+05
366	255	-3.7774e-12	1.2331e+03	-4.5933e+02	9.4397e+03	8.0152e+04	2.1518e+05
	254	3.7774e-12	-1.2331e+03	4.5933e+02	-9.4397e+03	7.0971e+04	1.9053e+05
367	253	-2.9401e-11	1.2898e+03	-4.8046e+02	-1.6010e+04	7.4170e+04	1.9912e+05
	255	2.9401e-11	-1.2898e+03	4.8046e+02	1.6010e+04	7.1406e+04	1.9170e+05
368	59	3.0730e-11	-1.4182e+03	5.2826e+02	-1.4171e+04	-8.4831e+04	-2.2774e+05
	253	-3.0730e-11	1.4182e+03	-5.2826e+02	1.4171e+04	-7.9828e+04	-2.1430e+05
377	54	-5.4683e-12	2.5692e+03	-9.5704e+02	5.9831e+04	1.6045e+05	4.3074e+05
	236	5.4683e-12	-2.5692e+03	9.5704e+02	-5.9831e+04	1.4615e+05	3.9236e+05
378	236	5.4760e-12	7.6365e+02	-2.8446e+02	2.2115e+04	3.8808e+04	1.0418e+05
	244	-5.4760e-12	-7.6365e+02	2.8446e+02	-2.2115e+04	5.1941e+04	1.3944e+05
379	244	1.8752e-12	8.5822e+02	-3.1968e+02	1.2216e+04	5.0715e+04	1.3615e+05
	238	-1.8752e-12	-8.5822e+02	3.1968e+02	-1.2216e+04	5.0944e+04	1.3676e+05
380	238	-5.4638e-12	8.4569e+02	-3.1502e+02	1.5461e+04	5.0335e+04	1.3513e+05
	239	5.4638e-12	-8.4569e+02	3.1502e+02	-1.5461e+04	4.9840e+04	1.3380e+05
381	239	-2.7690e-12	9.0259e+02	-3.3621e+02	1.0415e+04	5.3362e+04	1.4325e+05
	247	2.7690e-12	-9.0259e+02	3.3621e+02	-1.0415e+04	5.9437e+04	1.5956e+05
382	247	2.9118e-11	1.1711e+03	-4.3624e+02	2.7387e+04	6.7160e+04	1.8030e+05
	234	-2.9118e-11	-1.1711e+03	4.3624e+02	-2.7387e+04	6.7206e+04	1.8042e+05
383	234	-3.6455e-12	-8.5547e+02	3.1866e+02	-2.1195e+04	-4.6645e+04	-1.2522e+05
	235	3.6455e-12	8.5547e+02	-3.1866e+02	2.1195e+04	-5.3409e+04	-1.4338e+05
384	235	2.7322e-12	-1.1051e+03	4.1164e+02	-1.4294e+04	-6.3293e+04	-1.6992e+05

	56	-2.7322e-12	1.1051e+03	-4.1164e+02	1.4294e+04	-6.5040e+04	-1.7461e+05
446	307	1.5029e-11	2.4605e+03	-9.1655e+02	6.6095e+04	1.4034e+05	3.7676e+05
	165	-1.5029e-11	-2.4605e+03	9.1655e+02	-6.6095e+04	1.5332e+05	4.1161e+05
447	300	0.0000e+00	1.0738e+03	-4.0000e+02	2.7058e+04	7.2882e+04	1.9566e+05
	307	0.0000e+00	-1.0738e+03	4.0000e+02	-2.7058e+04	5.5463e+04	1.4890e+05
448	303	6.0449e-11	-1.2911e+03	4.8093e+02	9.6586e+04	-8.1859e+04	-2.1976e+05
	300	-6.0449e-11	1.2911e+03	-4.8093e+02	-9.6586e+04	-7.1310e+04	-1.9144e+05
449	314	-1.8326e-11	2.8405e+03	-1.0581e+03	-9.8784e+04	1.5950e+05	4.2820e+05
	303	1.8326e-11	-2.8405e+03	1.0581e+03	9.8784e+04	1.7701e+05	4.7519e+05
450	302	-1.2484e-10	9.9137e+02	-3.6928e+02	3.7189e+04	6.3744e+04	1.7112e+05
	314	1.2484e-10	-9.9137e+02	3.6928e+02	-3.7189e+04	5.6637e+04	1.5205e+05
451	308	1.4580e-11	1.4569e+03	-5.4271e+02	9.5840e+03	9.4166e+04	2.5280e+05
	302	-1.4580e-11	-1.4569e+03	5.4271e+02	-9.5840e+03	8.4387e+04	2.2654e+05
452	313	2.3437e-13	1.5155e+03	-5.6453e+02	-2.1286e+04	8.6732e+04	2.3284e+05
	308	-2.3437e-13	-1.5155e+03	5.6453e+02	2.1286e+04	8.4231e+04	2.2613e+05
453	80	1.2008e-10	-1.6530e+03	6.1572e+02	-1.6733e+04	-9.7791e+04	-2.6253e+05
	313	-1.2008e-10	1.6530e+03	-6.1572e+02	1.6733e+04	-9.4050e+04	-2.5249e+05
462	125	3.6380e-12	2.5986e+03	-9.6797e+02	6.8655e+04	1.6088e+05	4.3188e+05
	317	-3.6380e-12	-2.5986e+03	9.6797e+02	-6.8655e+04	1.4924e+05	4.0066e+05
463	317	1.0916e-11	-8.7556e+02	3.2615e+02	2.4437e+04	-4.6158e+04	-1.2392e+05
	324	-1.0916e-11	8.7556e+02	-3.2615e+02	-2.4437e+04	-5.7780e+04	-1.5512e+05
464	324	-5.8322e-11	-9.0016e+02	3.3531e+02	1.4090e+04	-5.3016e+04	-1.4233e+05
	331	5.8322e-11	9.0016e+02	-3.3531e+02	-1.4090e+04	-5.3613e+04	-1.4393e+05
465	331	-3.6384e-12	-8.9055e+02	3.3173e+02	1.4192e+04	-5.2986e+04	-1.4225e+05
	319	3.6384e-12	8.9055e+02	-3.3173e+02	-1.4192e+04	-5.2503e+04	-1.4095e+05
466	319	1.4597e-11	-9.5305e+02	3.5501e+02	-1.1227e+04	-5.6647e+04	-1.5207e+05
	310	-1.4597e-11	9.5305e+02	-3.5501e+02	1.1227e+04	-6.2460e+04	-1.6768e+05
467	310	1.9427e-12	-1.2175e+03	4.5351e+02	2.7671e+04	-6.9704e+04	-1.8713e+05
	329	-1.9427e-12	1.2175e+03	-4.5351e+02	-2.7671e+04	-6.9990e+04	-1.8789e+05
468	329	2.3437e-13	-9.1924e+02	3.4242e+02	-2.3508e+04	-5.1754e+04	-1.3894e+05
	323	-2.3437e-13	9.1924e+02	-3.4242e+02	2.3508e+04	-5.5760e+04	-1.4969e+05
469	323	4.5497e-13	-1.4479e+03	5.3934e+02	-1.6382e+04	-8.4055e+04	-2.2565e+05
	75	-4.5497e-13	1.4479e+03	-5.3934e+02	1.6382e+04	-8.3965e+04	-2.2541e+05
564	441	-1.1666e-10	1.6723e+03	6.2294e+02	9.0349e+04	-9.3351e+04	2.5061e+05
	170	1.1666e-10	-1.6723e+03	-6.2294e+02	-9.0349e+04	-1.0629e+05	2.8535e+05
565	459	-1.6468e-10	7.6998e+02	2.8682e+02	1.2062e+04	-6.1861e+04	1.6607e+05
	441	1.6468e-10	-7.6998e+02	-2.8682e+02	-1.2062e+04	-3.2130e+04	8.6257e+04
566	439	1.6531e-10	-1.4874e+03	-5.5404e+02	6.7327e+04	1.0002e+05	-2.6852e+05
	459	-1.6531e-10	1.4874e+03	5.5404e+02	-6.7327e+04	7.6337e+04	-2.0493e+05
567	444	-1.1667e-10	2.5809e+03	9.6140e+02	-7.3796e+04	-1.3823e+05	3.7109e+05
	439	1.1667e-10	-2.5809e+03	-9.6140e+02	7.3796e+04	-1.6754e+05	4.4979e+05
568	423	6.0035e-11	-4.2836e+02	-1.5956e+02	3.2320e+04	2.8536e+04	-7.6608e+04
	444	-6.0035e-11	4.2836e+02	1.5956e+02	-3.2320e+04	2.8025e+04	-7.5236e+04
569	468	5.8661e-11	9.9711e+02	3.7142e+02	-3.5888e+03	-6.5794e+04	1.7663e+05
	423	-5.8661e-11	-9.9711e+02	-3.7142e+02	3.5888e+03	-5.6406e+04	1.5143e+05
570	432	-6.2166e-11	9.8421e+02	3.6662e+02	-1.9242e+04	-5.8690e+04	1.5756e+05
	468	6.2166e-11	-9.8421e+02	-3.6662e+02	1.9242e+04	-5.2952e+04	1.4215e+05
571	84	1.3022e-10	-1.2264e+03	-4.5684e+02	-1.8151e+04	7.2749e+04	-1.9530e+05
	432	-1.3022e-10	1.2264e+03	4.5684e+02	1.8151e+04	6.9900e+04	-1.8765e+05
580	163	-1.3021e-10	1.7227e+03	6.4169e+02	7.3775e+04	-1.0825e+05	2.9062e+05

	419	1.3021e-10	-1.7227e+03	-6.4169e+02	-7.3775e+04	-9.7361e+04	2.6137e+05
581	419	1.1664e-10	-4.5819e+02	-1.7068e+02	3.2129e+04	2.0970e+04	-5.6296e+04
	443	-1.1664e-10	4.5819e+02	1.7068e+02	-3.2129e+04	3.4217e+04	-9.1859e+04
582	443	-5.8245e-11	-5.0031e+02	-1.8636e+02	4.5262e+04	2.9129e+04	-7.8199e+04
	417	5.8245e-11	5.0031e+02	1.8636e+02	-4.5262e+04	3.0139e+04	-8.0910e+04
583	417	-1.2003e-10	-5.0053e+02	-1.8645e+02	-2.4999e+04	3.0311e+04	-8.1373e+04
	438	1.2003e-10	5.0053e+02	1.8645e+02	2.4999e+04	2.8981e+04	-7.7803e+04
584	438	1.4554e-11	-5.6804e+02	-2.1159e+02	-7.2972e+03	3.2860e+04	-8.8215e+04
	448	-1.4554e-11	5.6804e+02	2.1159e+02	7.2972e+03	3.8133e+04	-1.0237e+05
585	448	7.3095e-12	7.4746e+02	2.7843e+02	2.6454e+04	-4.2495e+04	1.1408e+05
	434	-7.3095e-12	-7.4746e+02	-2.7843e+02	-2.6454e+04	-4.3296e+04	1.1623e+05
586	434	-1.3203e-10	-5.6480e+02	-2.1039e+02	-3.2039e+04	3.0845e+04	-8.2807e+04
	433	1.3203e-10	5.6480e+02	2.1039e+02	3.2039e+04	3.6601e+04	-9.8257e+04
587	433	5.8668e-11	-1.2334e+03	-4.5944e+02	-2.1185e+04	7.2491e+04	-1.9461e+05
	79	-5.8668e-11	1.2334e+03	4.5944e+02	2.1185e+04	7.0739e+04	-1.8990e+05
597	441	1.1074e-11	3.0870e+03	1.1499e+03	-4.3428e+04	-1.2296e+05	3.3010e+05
	424	-1.1074e-11	-3.0870e+03	-1.1499e+03	4.3428e+04	-9.9550e+04	2.6725e+05
635	367	-6.6687e-11	2.3774e+03	-8.8557e+02	5.6957e+04	1.3566e+05	3.6419e+05
	167	6.6687e-11	-2.3774e+03	8.8557e+02	-5.6957e+04	1.4808e+05	3.9754e+05
636	349	6.6686e-11	1.1330e+03	-4.2204e+02	2.7419e+04	7.5917e+04	2.0381e+05
	367	-6.6686e-11	-1.1330e+03	4.2204e+02	-2.7419e+04	5.9232e+04	1.5901e+05
637	355	-2.4117e-13	-1.4919e+03	5.5574e+02	8.6701e+04	-9.4391e+04	-2.5340e+05
	349	2.4117e-13	1.4919e+03	-5.5574e+02	-8.6701e+04	-8.2487e+04	-2.2144e+05
638	366	1.8421e-10	3.1534e+03	-1.1747e+03	-8.9778e+04	1.7768e+05	4.7701e+05
	355	-1.8421e-10	-3.1534e+03	1.1747e+03	8.9778e+04	1.9588e+05	5.2587e+05
639	368	-1.2000e-10	1.0061e+03	-3.7478e+02	4.2013e+04	6.5053e+04	1.7464e+05
	366	1.2000e-10	-1.0061e+03	3.7478e+02	-4.2013e+04	5.7175e+04	1.5349e+05
640	352	3.0000e-11	1.5119e+03	-5.6319e+02	1.0762e+04	9.7497e+04	2.6174e+05
	368	-3.0000e-11	-1.5119e+03	5.6319e+02	-1.0762e+04	8.7796e+04	2.3569e+05
641	353	7.2940e-12	1.5460e+03	-5.7589e+02	-2.2173e+04	8.8358e+04	2.3720e+05
	352	-7.2940e-12	-1.5460e+03	5.7589e+02	2.2173e+04	8.6012e+04	2.3091e+05
642	82	-3.0005e-11	-1.6996e+03	6.3310e+02	-1.6508e+04	-1.0049e+05	-2.6979e+05
	353	3.0005e-11	1.6996e+03	-6.3310e+02	1.6508e+04	-9.6753e+04	-2.5974e+05
651	129	3.0001e-11	2.4186e+03	-9.0092e+02	6.0433e+04	1.4980e+05	4.0216e+05
	380	-3.0001e-11	-2.4186e+03	9.0092e+02	-6.0433e+04	1.3883e+05	3.7270e+05
652	380	6.2166e-11	-9.0087e+02	3.3557e+02	2.2432e+04	-4.8459e+04	-1.3009e+05
	370	-6.2166e-11	9.0087e+02	-3.3557e+02	-2.2432e+04	-5.8420e+04	-1.5683e+05
653	370	2.9108e-11	-8.5928e+02	3.2008e+02	-1.0645e+04	-5.0433e+04	-1.3539e+05
	383	-2.9108e-11	8.5928e+02	-3.2008e+02	1.0645e+04	-5.1354e+04	-1.3787e+05
654	383	-5.6843e-14	-8.6348e+02	3.2164e+02	1.8621e+04	-5.1380e+04	-1.3793e+05
	371	5.6843e-14	8.6348e+02	-3.2164e+02	-1.8621e+04	-5.0903e+04	-1.3665e+05
655	371	-6.5485e-11	-9.2962e+02	3.4628e+02	-1.2429e+04	-5.5243e+04	-1.4830e+05
	354	6.5485e-11	9.2962e+02	-3.4628e+02	1.2429e+04	-6.0936e+04	-1.6359e+05
656	354	-3.6380e-11	-1.1797e+03	4.3945e+02	2.9375e+04	-6.7520e+04	-1.8126e+05
	385	3.6380e-11	1.1797e+03	-4.3945e+02	-2.9375e+04	-6.7842e+04	-1.8213e+05
657	385	3.2540e-11	-8.9914e+02	3.3493e+02	-2.4261e+04	-5.1210e+04	-1.3748e+05
	386	-3.2540e-11	8.9914e+02	-3.3493e+02	2.4261e+04	-5.3953e+04	-1.4484e+05
658	386	5.8661e-11	-1.5833e+03	5.8978e+02	-1.7234e+04	-9.1865e+04	-2.4662e+05
	77	-5.8661e-11	1.5833e+03	-5.8978e+02	1.7234e+04	-9.1848e+04	-2.4657e+05
Elem	Nodo	Nx	Ny	Nxy	Mx	My	Mxy
28	484	-1.5227e-14	-2.0565e+00	8.6687e+00	-2.4786e+02	6.4693e+02	9.5909e+02

	482	-1.5227e-14	-1.9181e+01	1.0345e+01	-2.3418e+02	-1.0074e+03	3.0322e+02
	564	-4.5758e+00	-1.9181e+01	1.7581e+01	-8.5678e+02	-1.0316e+03	-4.3537e+02
29	563	1.5949e+00	-3.9966e-01	-1.2264e+01	-1.3070e+03	5.9853e+02	-2.1944e+02
	484	1.5949e+00	-2.5500e+00	-8.6080e+00	1.4381e+03	7.3537e+02	1.8261e+02
	564	-8.1866e+00	-3.9966e-01	-1.1290e+01	-9.0666e+02	-7.9623e+02	-6.4503e+01
30	563	-3.9966e-01	-4.8394e+00	1.2567e+01	5.9040e+02	1.0384e+03	4.2444e+02
	564	-3.9966e-01	-8.5624e+00	1.1588e+01	-9.9543e+02	9.4467e+02	1.5297e+02
	544	1.8033e+00	-8.5624e+00	1.2950e+01	-1.2218e+03	-9.8247e+02	-3.2709e+02
31	543	5.8315e-01	7.4718e-01	-1.2231e+01	-1.1916e+03	8.2311e+02	-1.0357e+02
	563	5.8315e-01	1.0495e+00	-9.8803e+00	1.4859e+03	9.4266e+02	1.2798e+02
	544	-5.2942e+00	7.4718e-01	-1.2264e+01	-1.0085e+03	-1.0931e+03	3.2361e+01
32	543	7.4718e-01	-8.9766e+00	1.2694e+01	7.9156e+02	5.5005e+02	2.3024e+02
	544	7.4718e-01	-1.0232e+00	1.2733e+01	-1.0853e+03	9.3573e+02	1.9079e+02
	1	1.1184e+00	-1.0232e+00	8.8993e+00	-1.0912e+03	-1.9161e+03	5.4993e+02
33	58	-2.1776e+00	0.0000e+00	-6.0957e+00	-1.2270e+03	1.4463e+02	6.8342e+01
	543	-2.1776e+00	1.1645e+00	-9.4691e+00	1.2216e+03	9.3019e+02	3.3926e+02
	1	5.2133e+00	0.0000e+00	-6.6159e+00	-9.6075e+02	3.2354e+02	9.1506e+02
34	523	-8.0020e-01	-1.8088e+00	1.3503e+01	-1.2831e+02	-8.1629e+02	-2.3050e+02
	561	-8.0020e-01	6.3644e-01	1.2091e+01	4.8317e+02	-1.2629e+03	1.4527e+02
	541	1.8277e+00	6.3644e-01	1.1056e+01	8.2307e+02	1.3155e+03	-2.7511e+02
35	519	-8.7660e-01	-4.7255e-01	-1.3119e+01	6.7515e+02	-1.7820e+02	-1.4758e+02
	523	-8.7660e-01	-7.9508e-01	-1.2922e+01	-1.0343e+03	-5.7549e+02	-2.5598e+02
	541	-8.5768e-01	-4.7255e-01	-1.2944e+01	5.5669e+02	2.3958e+02	-5.8154e+02
36	519	-4.7255e-01	-3.2513e+00	1.2367e+01	-6.4375e+01	-1.4072e+02	2.1977e+01
	541	-4.7255e-01	1.2337e+00	1.2192e+01	2.7879e+02	-7.9675e+02	9.6242e+01
	536	-3.3312e-01	1.2337e+00	1.0123e+01	3.4690e+02	1.3099e+03	-5.1853e+02
37	52	-1.5070e+00	0.0000e+00	-9.1786e+00	2.2650e+03	2.0775e+02	1.0066e+02
	519	-1.5070e+00	-4.5840e+00	-1.3515e+01	-1.8025e+03	-1.9576e+02	-1.2263e+03
	536	8.3323e+00	0.0000e+00	-6.7789e+00	8.4015e+02	-3.0324e+02	-3.3243e+02
38	523	2.0211e+00	-8.0020e-01	-1.5091e+01	8.5713e+02	-3.4708e+02	-1.9512e+02
	161	2.0211e+00	-3.1369e-14	-1.4133e+01	-7.1215e+02	1.7426e+02	-3.1819e+02
	486	-3.2201e-01	-3.1369e-14	-1.0208e+01	-1.2609e+03	-9.9144e+01	-2.5437e+02
	561	-3.2201e-01	-8.0020e-01	-1.1152e+01	1.3619e+03	3.6837e+02	-1.1116e+02
39	560	-1.3989e+00	-1.6270e-01	-1.2825e+01	4.7717e+01	4.7933e+02	3.0800e+02
	579	-1.3989e+00	0.0000e+00	-1.4273e+01	1.0723e+02	-2.9950e+02	3.1077e+02
	161	2.0211e+00	0.0000e+00	-9.8879e+00	1.7382e+03	4.0085e+02	1.4182e+02
	523	2.0211e+00	-1.6270e-01	-8.6914e+00	-1.5848e+03	1.0688e+02	1.3842e+02
40	540	-1.5187e+00	2.9628e-01	-1.6218e+01	-1.2353e+02	3.7453e+02	1.9695e+02
	560	-1.5187e+00	-1.6270e-01	-1.2137e+01	1.9770e+01	-1.1494e+02	2.5518e+02
	523	-8.7660e-01	-1.6270e-01	-8.7480e+00	1.3188e+03	8.4623e+02	1.7485e+02
	519	-8.7660e-01	2.9628e-01	-1.2873e+01	-1.3524e+03	5.8850e+02	1.1747e+02
41	412	-2.1343e+00	0.0000e+00	-6.3938e+00	-1.7266e+03	-8.6457e+01	-5.4038e+02
	540	-2.1343e+00	2.9628e-01	-1.5762e+01	1.5128e+02	-3.9448e+02	-9.4468e+01
	519	-1.5070e+00	2.9628e-01	-1.7354e+01	1.3866e+03	1.2390e+03	1.5079e+02
	52	-1.5070e+00	0.0000e+00	-7.9859e+00	-2.3326e+03	2.4836e+02	-3.0314e+02
42	557	3.3556e-01	9.3784e-01	-3.9660e+00	-5.6596e+02	2.7634e+02	-1.1221e+02
	490	1.9508e+00	-2.1950e+00	-1.7465e+01	4.8622e+02	-1.7786e+02	2.5568e+02
	488	-2.7449e+01	-1.6317e+00	-1.3881e+01	1.3958e+03	2.3143e+02	-2.5150e+02
	481	-2.2652e+01	-2.9686e+00	6.0786e+00	2.6550e+02	2.1563e+02	-3.5285e+02
43	480	7.1764e+00	-6.2578e+00	1.2330e+00	-2.3751e+02	2.2077e+02	-3.2862e+02
	558	5.6911e+00	-4.5417e+00	1.3191e+00	-3.4377e+02	2.9606e+02	-1.8525e+02
	557	-4.5503e+00	1.3524e+00	3.0326e+00	-1.4004e+02	6.6321e+02	1.6408e+02
	481	-5.4885e+00	-5.0549e+00	5.6745e+00	-2.3200e+02	3.7648e+02	9.9853e+01
44	577	-1.2071e+00	7.9238e-01	4.1627e+00	2.4144e+02	-1.6957e+02	-3.6172e+02
	480	-9.8053e-01	1.3884e+00	3.5803e+00	4.3590e+02	-3.5692e+02	-1.4440e+02
	481	-2.3540e+01	1.6339e+00	3.7676e+00	6.7445e+02	2.8177e+02	-1.8305e+02

	488	-2.3144e+01	1.0227e+00	4.4131e+00	1.2514e+03	-3.3884e+01	-2.9208e+02
45	559	-8.8233e-01	-2.7312e+00	9.8164e+00	-1.2099e+02	-2.5502e+02	1.1647e+02
	558	-8.8233e-01	-1.8387e+00	-4.2926e+00	8.2426e+01	1.2530e+02	2.4892e+02
	480	-9.9671e-01	-1.8387e+00	-5.8939e+00	-7.9936e+01	4.3679e+02	3.9348e+02
	472	-9.9671e-01	7.7885e+00	8.3957e+00	1.4254e+02	2.1277e+02	2.7131e+02
46	489	6.1623e+00	4.6093e+00	1.6211e+01	3.2479e+02	1.1574e+03	7.2271e+02
	578	7.2574e+00	-1.0286e+01	1.7753e+01	-8.1962e+00	-2.0908e+02	4.5949e+02
	559	3.9184e+00	-5.7039e+00	6.7077e+00	-1.8525e+02	2.7571e+02	8.6333e+01
	472	5.0339e+00	3.2031e+01	-4.0547e+00	1.2646e+02	6.8339e+02	2.2285e+02
47	577	1.5301e-13	-4.8497e-01	-4.8022e+00	-1.2263e+02	2.0205e+02	1.3938e+02
	489	1.5582e-13	2.8463e+01	-5.2407e+00	2.1756e+02	1.4434e+03	-1.2314e+02
	472	-9.9671e-01	2.5325e+01	4.7211e+00	3.8664e+02	8.4579e+02	2.7302e+02
	480	-9.9671e-01	-4.8497e-01	-3.8186e+00	-1.8107e+02	6.1776e+02	3.2210e+02
48	24	-1.3876e-01	-1.0399e-01	-2.0779e+00	1.4808e+02	-1.1620e+02	-2.8903e+01
	427	-1.3876e-01	0.0000e+00	-2.2383e+00	7.0190e+02	1.8235e+01	-9.9928e+01
	490	-5.2931e-01	0.0000e+00	-3.8283e+00	-6.0666e+02	-1.4647e+01	-8.6827e+01
	557	-5.2931e-01	-1.0399e-01	-3.8721e+00	9.0380e+02	1.1431e+02	-2.6013e+01
49	505	-1.1629e-01	1.4787e-01	3.8797e+00	9.6975e+01	-1.9477e+01	-1.4592e+02
	428	-1.1629e-01	0.0000e+00	4.8572e+00	6.9520e+02	-1.7399e+01	-1.0729e+02
	427	-1.3876e-01	0.0000e+00	2.3434e+00	8.1072e+02	-6.3299e+00	-6.9869e+01
	24	-1.3876e-01	1.4787e-01	-1.6312e+00	1.9266e+02	-3.3044e+01	-1.0847e+02
50	604	-8.1350e+00	4.9713e+00	2.2938e+00	1.0912e+02	-2.5082e+02	-1.8605e+02
	430	-6.9973e+00	6.8507e+00	4.2522e+00	2.4892e+02	-1.2561e+02	-1.4452e+01
	428	-5.9403e+00	5.8333e+00	3.6242e+00	5.0710e+02	1.3908e+01	1.4151e+02
	505	-4.8148e+00	4.6747e+00	2.9299e+00	1.7889e+02	-2.0682e+02	-1.1687e+02
51	603	-7.6680e+00	7.2285e+00	4.4202e+00	1.5521e+02	-9.1007e+01	-2.4224e+02
	583	-8.4865e+00	8.0572e+00	4.9283e+00	8.7281e+01	-2.3218e+02	-2.2281e+02
	430	-6.4615e+00	7.7164e+00	5.1828e+00	9.0168e+01	-3.6979e+02	-2.6461e+02
	604	-7.2741e+00	6.3827e+00	3.7649e+00	1.0304e+02	-4.9641e+02	-1.4088e+02
52	602	7.3721e+00	-7.3911e+00	6.4935e+00	-5.7338e+02	4.3333e+01	7.8213e+01
	437	6.2339e+00	-9.1821e+00	8.5491e+00	-9.9275e+02	-4.4566e+02	5.3759e+02
	583	7.9441e+00	-8.3752e+00	7.2770e+00	-2.2004e+02	1.7984e+01	1.7812e+02
	603	6.8056e+00	-7.1182e+00	6.3267e+00	-4.7432e+02	2.0518e+02	-5.8426e+01
53	601	6.9664e+00	-8.3864e+00	1.1511e+00	-6.9463e+02	-5.0487e+02	3.7586e+02
	446	6.9664e+00	-1.0742e+01	2.6503e+00	-1.0795e+03	-8.3967e+02	8.4135e+02
	437	9.7755e+00	-1.1582e+01	1.8003e+00	-9.1004e+02	-5.0690e+02	7.4786e+02
	602	9.7755e+00	-9.2261e+00	3.0202e-01	-6.4196e+02	-1.4849e+02	4.6398e+02
54	600	5.6671e+00	-5.6992e+00	2.3056e+00	-2.3063e+02	-1.9781e+02	1.6843e+02
	455	5.7832e+00	-6.3145e+00	2.5809e+00	-1.0520e+03	-2.4867e+02	5.3182e+02
	446	6.4916e+00	-6.7517e+00	2.6541e+00	-1.5647e+03	-2.5310e+02	7.8681e+02
	601	6.6079e+00	-5.9884e+00	2.1947e+00	-7.2756e+02	-1.6885e+02	5.1440e+02
55	599	3.2743e+00	-4.0041e+00	3.3954e+00	-4.6329e+02	1.7571e+02	4.1878e+02
	460	3.2743e+00	-4.9523e+00	4.6304e+00	-7.9733e+02	-1.5417e+02	4.6638e+02
	455	4.5510e+00	-5.3410e+00	4.7595e+00	-1.0690e+03	-9.5414e+01	4.2242e+02
	600	4.5510e+00	-4.3852e+00	3.5150e+00	-4.1360e+02	-1.0520e+02	1.1246e+02
56	598	-1.1232e+01	-4.3899e+00	8.4001e+00	-2.6288e+03	-6.8913e+02	1.9603e+02
	25	-1.2129e+01	-2.4280e+00	6.6726e+00	-5.6536e+03	-8.2542e+02	1.9276e+03
	460	2.2510e+00	-1.4791e+00	2.9572e+00	-1.9531e+03	-2.7158e+02	1.2554e+03
	599	1.3733e+00	-3.6404e+00	5.3300e+00	-1.3072e+03	4.7517e+02	2.2304e+02
57	597	-2.2039e+00	-1.7686e-01	-2.1804e+00	-7.5443e+02	-3.6145e+02	-9.4934e+01
	24	-2.2039e+00	-1.0399e-01	-2.3118e+00	-1.7326e+02	-1.5655e+02	-2.5937e+01
	557	-3.4958e+00	-1.0399e-01	-3.8457e+00	-7.5896e+02	1.6464e+02	-9.2109e+00
	537	-3.4958e+00	-1.7686e-01	-3.3625e+00	3.7621e+02	3.7295e+02	-1.0531e+02
58	596	-1.9938e+00	1.3599e-01	5.0847e+00	-7.8236e+02	1.1907e+01	-1.4025e+02
	505	-1.9938e+00	1.4787e-01	4.1570e+00	-1.9559e+02	-2.6271e+01	-1.4636e+02
	24	-2.2039e+00	1.4787e-01	-1.6986e+00	-2.2611e+02	-6.9962e+01	-1.2229e+02
	597	-2.2039e+00	1.3599e-01	-2.3193e+00	-7.8107e+02	-1.2264e+02	-1.1616e+02

59	595	-1.7191e+00	1.5191e-01	7.3050e+00	-4.3326e+02	9.4715e+01	-1.7507e+02
	604	-1.7191e+00	-3.5827e-02	6.1850e+00	-1.7046e+02	4.4177e+01	-2.6271e+02
	505	-1.9938e+00	-3.5827e-02	5.8757e+00	-1.2740e+02	-8.8720e+01	-2.3102e+02
	596	-1.9938e+00	1.5191e-01	6.9955e+00	-7.9598e+02	-1.7245e+02	-1.4337e+02
60	594	-1.2870e+00	4.8891e-02	1.0239e+01	4.1454e+02	1.3494e+02	-1.6417e+02
	603	-1.2870e+00	-1.2494e-02	8.5419e+00	-6.1157e+01	2.0489e+02	-2.8863e+02
	604	-1.7191e+00	-1.2494e-02	7.1944e+00	-1.3962e+02	-2.1690e+02	-2.7405e+02
	595	-1.7191e+00	4.8891e-02	8.8854e+00	-2.0939e+02	-1.5749e+02	-1.4964e+02
61	593	-8.3825e-02	9.9215e-03	1.1712e+01	1.2448e+03	2.0883e+02	-2.1051e+02
	602	-8.3825e-02	1.1885e-01	1.0304e+01	-7.6653e+01	1.0001e+02	-3.1834e+02
	603	-1.2870e+00	1.1885e-01	9.2870e+00	5.1804e+01	-3.9994e+01	-2.9432e+02
	594	-1.2870e+00	9.9215e-03	1.0695e+01	6.2693e+02	-1.6561e+02	-1.8638e+02
62	592	6.1791e-01	-4.3984e-01	7.7393e+00	1.6577e+03	3.0709e+01	-1.0898e+02
	601	6.1791e-01	-2.2403e-01	6.9966e+00	-2.6734e+01	-8.2357e+01	-1.5030e+02
	602	-8.3825e-02	-2.2403e-01	9.8117e+00	5.9608e+01	6.8131e+01	-1.9730e+02
	593	-8.3825e-02	-4.3984e-01	1.0547e+01	1.3605e+03	1.6517e+01	-1.5596e+02
63	591	-8.0313e-01	1.4947e-01	6.4559e+00	1.3085e+03	-1.9847e+02	-1.0715e+02
	600	-8.0313e-01	1.2178e-01	6.2271e+00	1.2953e+02	-3.6810e+01	-5.7504e+01
	601	6.1791e-01	1.2178e-01	6.0766e+00	1.8478e+02	1.7848e+02	4.9937e+01
	592	6.1791e-01	1.4947e-01	6.3128e+00	1.5492e+03	2.7628e+02	-1.3243e+01
64	590	4.3007e-01	6.9836e-02	6.0386e+00	1.2826e+03	1.8212e+02	-3.0923e+02
	599	4.3007e-01	-1.6742e-01	5.8231e+00	-3.0395e+02	3.6011e+02	-2.6986e+02
	600	-8.0313e-01	-1.6742e-01	5.7093e+00	-6.6080e+01	-1.3658e+02	-5.8216e+01
	591	-8.0313e-01	6.9836e-02	5.9390e+00	1.2574e+03	-1.1167e+02	-9.7382e+01
65	589	1.1889e+00	5.0391e-01	3.7353e+00	1.2416e+03	-1.2438e+02	-4.7483e+02
	598	1.1889e+00	-1.0665e+00	4.3950e+00	-1.5378e+03	-5.3340e+02	-2.9663e+02
	599	4.3007e-01	-1.0665e+00	6.5275e+00	-6.4065e+02	4.4172e+02	-2.7408e+02
	590	4.3007e-01	5.0391e-01	5.8755e+00	1.2045e+03	-5.0304e+01	-4.5237e+02
66	415	-5.1951e+00	0.0000e+00	-3.6137e+00	-2.0283e+03	-1.1376e+02	-5.1991e+02
	597	-5.1951e+00	-1.7686e-01	-2.5321e+00	-9.0892e+02	-3.9315e+02	-1.0178e+02
	537	-2.2082e+00	-1.7686e-01	-2.2355e+00	-3.4949e+02	3.9838e+02	-1.1091e+02
	53	-2.2082e+00	0.0000e+00	-3.5931e+00	-3.3286e+02	1.2580e+02	-5.2944e+02
67	418	-2.7535e+00	0.0000e+00	4.7108e+00	-1.9612e+03	2.2882e+01	4.2134e+01
	596	-2.7535e+00	1.3599e-01	5.1395e+00	-1.0956e+03	1.8049e+01	-5.8036e+01
	597	-5.1951e+00	1.3599e-01	-2.2536e+00	-1.1789e+03	-1.4102e+02	-2.1689e+02
	415	-5.1951e+00	0.0000e+00	-1.6823e+00	-2.4047e+03	-3.0999e+01	-1.2217e+02
68	425	-1.9215e+00	3.5210e-29	5.7199e+00	-8.8836e+02	1.0160e+02	2.6756e+02
	595	-1.9215e+00	1.5191e-01	7.6642e+00	-5.5903e+02	1.1968e+02	-3.9601e+01
	596	-2.7535e+00	1.5191e-01	7.0496e+00	-8.5378e+02	-2.3045e+02	-1.4208e+02
	418	-2.7535e+00	4.6503e-29	5.1048e+00	-1.6971e+03	-1.0234e+02	1.6554e+02
69	450	-2.4260e+00	4.3582e-29	7.0380e+00	7.8765e+02	6.5080e+01	2.8952e+02
	594	-2.4260e+00	4.8891e-02	1.0361e+01	3.9849e+02	1.4296e+02	-1.2075e+01
	595	-1.9215e+00	4.8891e-02	9.2467e+00	-1.9404e+02	-1.5767e+02	-1.8971e+01
	425	-1.9215e+00	3.6756e-29	5.9356e+00	-3.5184e+02	-7.0937e+01	2.7686e+02
70	451	-1.1219e+00	0.0000e+00	9.6162e+00	2.9752e+03	1.1495e+02	2.9327e+02
	593	-1.1219e+00	9.9215e-03	1.2153e+01	1.5111e+03	2.7902e+02	-1.4305e+02
	594	-2.4260e+00	9.9215e-03	1.0817e+01	9.5218e+02	-1.9891e+02	-3.8859e+01
	450	-2.4260e+00	0.0000e+00	8.2798e+00	1.5462e+03	-1.2475e+02	3.9718e+02
71	454	1.7269e+00	0.0000e+00	7.0532e+00	4.2882e+03	2.6107e+01	-1.5670e+01
	592	1.7269e+00	-4.3984e-01	7.0964e+00	2.1451e+03	8.8767e+01	-1.5611e+02
	593	-1.1219e+00	-4.3984e-01	1.0987e+01	1.9418e+03	1.3353e+01	-1.6516e+01
	451	-1.1219e+00	0.0000e+00	1.0981e+01	3.5987e+03	-4.3575e+01	1.4801e+02
72	457	-8.6175e-01	-1.3871e-14	6.7287e+00	2.7572e+03	-8.8220e+01	-4.3267e+02
	591	-8.6175e-01	1.4947e-01	6.9316e+00	1.7333e+03	-2.2204e+02	-1.2392e+02
	592	1.7269e+00	1.4947e-01	5.6811e+00	2.1895e+03	3.1613e+02	1.6589e+01
	454	1.7269e+00	-1.1220e-14	5.4473e+00	3.9805e+03	8.2955e+01	-2.9526e+02
73	462	-1.0254e+00	3.4960e-29	5.6456e+00	2.8902e+03	2.7431e+01	-1.9740e+02

	590	-1.0254e+00	6.9836e-02	5.3503e+00	1.5447e+03	1.7052e+02	-2.7394e+02
	591	-8.6175e-01	6.9836e-02	6.4168e+00	1.5349e+03	-1.0253e+02	-1.7226e+02
	457	-8.6175e-01	4.1533e-29	6.7070e+00	2.4746e+03	-3.3807e+01	-9.9010e+01
74	414	1.0579e+01	-1.9048e-14	4.6596e+00	5.4729e+03	8.7012e+01	6.0423e+01
	589	1.0579e+01	5.0391e-01	4.8400e+00	2.3132e+03	1.2662e+02	-5.0432e+02
	590	-1.0254e+00	5.0391e-01	5.1812e+00	1.8188e+03	-1.1204e+02	-4.1158e+02
	462	-1.0254e+00	-2.0300e-14	4.9774e+00	3.6304e+03	-1.4521e+02	9.1726e+01
75	575	-2.8464e+00	1.4546e+00	3.1037e+00	3.3369e+02	-2.7070e+02	-1.1117e+02
	410	-2.4265e+00	2.0483e+00	4.1741e+00	2.1202e+03	-1.3726e+02	3.5131e+02
	471	-8.4570e-01	7.6369e-01	1.5634e+00	2.9715e+03	1.1320e+02	5.3888e+02
	576	-4.2678e-01	2.2854e-01	7.1533e-01	1.6264e+02	-2.9474e+01	-2.9593e+02
76	574	-5.5906e+00	4.1783e+00	3.5143e+00	2.8714e+02	-2.1315e+02	-6.8972e+01
	408	-5.5906e+00	5.2848e+00	4.4588e+00	1.4600e+03	-6.5265e+01	4.0727e+02
	410	-3.9052e+00	4.9671e+00	4.5011e+00	1.4056e+03	1.2557e+02	3.3824e+02
	575	-3.9052e+00	3.8609e+00	3.5569e+00	-5.0499e+01	-1.0573e+02	-2.2348e+02
77	573	-8.7375e+00	7.3567e+00	6.0996e-01	4.4314e+02	-1.6824e+02	1.6373e+02
	405	-8.3645e+00	8.9598e+00	1.7443e+00	8.0571e+02	1.4020e+01	3.9442e+02
	408	-7.5261e+00	8.0637e+00	1.5706e+00	9.6078e+02	2.5722e+02	4.6861e+02
	574	-7.1533e+00	6.9747e+00	1.0534e+00	1.4891e+02	-1.3274e+02	-1.6656e+02
78	572	-7.5505e+00	7.5162e+00	3.7824e+00	2.2562e+02	-2.9632e+02	-6.2849e+01
	585	-8.2200e+00	8.2072e+00	4.1114e+00	1.6388e+02	-1.0887e+01	1.4887e+02
	405	-7.0825e+00	8.7293e+00	4.8853e+00	7.1136e+02	4.8081e+02	4.4199e+02
	573	-7.7518e+00	7.5118e+00	3.7167e+00	2.9192e+02	1.3196e+02	-4.8676e+01
79	571	6.8702e+00	-6.4173e+00	5.3878e+00	2.5273e+01	6.4702e+02	-1.9730e+02
	404	6.4456e+00	-7.0132e+00	6.1410e+00	2.9199e+02	7.1589e+02	-6.4835e+02
	585	6.7948e+00	-6.8076e+00	5.8371e+00	-1.2808e+02	2.7686e+02	-4.2614e+02
	572	6.3701e+00	-6.3889e+00	5.4719e+00	-2.5613e+02	-9.2654e+01	-2.0049e+02
80	570	7.0791e+00	-6.6987e+00	2.0674e+00	-6.5923e+01	4.0552e+02	-1.7287e+02
	403	7.2580e+00	-7.6652e+00	2.6408e+00	9.3605e+01	3.8683e+02	-2.8495e+02
	404	8.3643e+00	-8.3764e+00	2.7288e+00	2.1035e+02	3.7642e+02	-3.4665e+02
	571	8.5434e+00	-7.2134e+00	1.8908e+00	2.0912e+01	2.9258e+02	-2.6447e+02
81	569	4.0828e+00	-3.8144e+00	2.8629e+00	4.6581e+01	3.1641e+02	-1.9475e+02
	402	4.1309e+00	-4.6538e+00	3.6630e+00	4.5164e+01	2.2752e+02	-2.1590e+02
	403	6.0303e+00	-5.4362e+00	3.9801e+00	1.9265e+02	2.4335e+02	-3.1171e+02
	570	6.0786e+00	-4.5702e+00	3.1304e+00	-3.8262e+01	1.8542e+02	-2.5332e+02
82	568	9.3577e-01	5.3119e-01	-8.1202e-01	1.0341e+02	9.4021e+01	-1.1212e+02
	401	1.3616e+00	-7.1052e-01	1.3958e+00	6.0356e+01	4.2431e+01	-8.6111e+01
	402	2.7477e+00	-1.7002e+00	3.3820e+00	1.2345e+02	7.1866e+01	-1.6583e+02
	569	3.1951e+00	-1.4597e+00	2.3095e+00	1.5226e+02	1.1033e+02	-2.0657e+02
83	567	-4.3402e-01	-2.0014e-01	-3.5772e+00	-3.5478e+02	-2.1676e+02	-7.1968e+01
	470	-4.3402e-01	3.3597e-15	-2.8351e+00	2.7190e+02	-3.0626e+01	-3.2080e+01
	401	7.1392e-01	2.0046e-15	-1.2490e+00	5.7525e+01	1.9105e+01	1.8677e+01
	568	7.1392e-01	-2.0014e-01	-1.7968e+00	1.1028e+02	1.9091e+02	-5.2628e+01
84	566	-2.4473e+00	-3.6112e-01	-4.2187e+00	1.3324e+02	3.1930e+02	-2.4239e+02
	581	-2.4473e+00	-2.2529e-15	-7.8165e+00	1.4348e+02	5.6846e+01	-3.1087e+02
	470	-4.3402e-01	-2.2529e-15	-4.9660e+00	-2.6171e+02	-6.4538e+01	-2.4526e+02
	567	-4.3402e-01	-3.6112e-01	-1.4670e+00	2.5820e+02	-3.9040e+02	-1.7667e+02
85	565	1.8121e+01	-3.5058e+00	4.5626e+00	-1.8893e+02	-1.1585e+02	-1.6629e+02
	483	1.3440e+01	-6.9409e+00	-1.1643e+01	-7.0600e+02	2.7244e+01	-8.5515e+01
	581	5.2060e+00	-7.1764e+00	-1.3181e+01	-5.1542e+01	6.2315e+01	-5.5546e+01
	566	-2.3996e+00	-3.7124e+00	-4.9043e+00	1.9823e+02	1.3315e+02	-2.1935e+02
86	564	-1.8619e+01	-4.5807e+00	-7.1374e+00	6.4350e+02	-2.4077e+02	1.7897e+02
	482	-1.7964e+01	-2.6344e+00	-6.3861e+00	-1.6101e+03	-1.1574e+02	-3.7746e+02
	483	1.8035e+01	-2.5050e+00	3.7445e+00	-7.3798e+02	1.3112e+02	1.5050e+02
	565	1.8245e+01	-4.6610e+00	6.4028e+00	-1.4887e+02	1.9484e+02	2.5564e+01
87	562	1.3140e-01	2.2866e-01	-1.3588e+01	-4.9633e+01	2.3676e+01	-1.7725e+02
	580	1.3140e-01	0.0000e+00	-1.5019e+01	-1.1706e+02	3.9965e+01	-2.4094e+02

	484	1.5949e+00	1.0665e-29	-1.2059e+01	-1.4186e+03	-1.6853e+01	-2.1603e+02
	563	1.5949e+00	2.2866e-01	-1.0629e+01	9.1635e+02	5.4288e+01	-1.4685e+02
88	561	-3.2201e-01	-1.4108e-01	-1.1740e+01	-9.5589e+02	-2.2333e+02	-1.9173e+02
	486	-3.2201e-01	2.3859e-14	-1.2765e+01	9.6695e+02	-2.3879e+01	-1.8825e+02
	580	1.3140e-01	3.5057e-15	-1.4854e+01	6.9070e+01	-1.8000e+01	-1.6853e+02
	562	1.3140e-01	-1.4108e-01	-1.3828e+01	-4.0306e+01	1.6927e+02	-1.7227e+02
89	559	-3.0350e+00	4.8976e-01	-9.6035e+00	-1.0973e+02	-3.0522e+02	-7.7526e+01
	578	-3.0350e+00	-2.5343e-15	-1.2421e+01	1.4963e+01	-5.0402e+01	5.6375e+01
	579	-1.3989e+00	-2.5343e-15	-1.4190e+01	3.7697e+01	1.1467e+01	1.2864e+02
	560	-1.3989e+00	4.8976e-01	-1.1440e+01	8.3678e+01	1.3449e+02	8.4571e+01
90	555	-7.5689e-01	-8.5895e-01	5.1427e+00	-3.7244e+03	1.0116e+02	-1.3825e+02
	575	-7.5689e-01	-1.1769e-01	3.2953e+00	-1.2176e+03	-9.2871e+01	-1.9841e+02
	576	-3.9019e+00	-1.1769e-01	9.3818e-01	-1.0711e+03	-2.0180e+01	-3.1005e+02
	556	-3.9019e+00	-8.5895e-01	2.7848e+00	-4.1614e+03	-8.8022e+01	-2.4980e+02
91	554	-9.2089e-01	-2.8509e-01	6.7706e+00	-2.9657e+03	7.8701e+01	-7.2219e+01
	574	-9.2089e-01	-1.9612e-01	6.0495e+00	-1.0232e+03	8.8776e+00	-1.8358e+02
	575	-7.5689e-01	-1.9612e-01	4.8452e+00	-1.0316e+03	-8.2646e+01	-3.0867e+02
	555	-7.5689e-01	-2.8509e-01	5.5660e+00	-3.5729e+03	-6.1903e+01	-1.9723e+02
92	553	-5.3984e-01	1.1432e-01	8.4780e+00	-2.2540e+03	1.7025e+01	-6.9645e+01
	573	-5.3984e-01	3.2040e-02	7.7997e+00	-9.0703e+02	-7.3847e+01	-1.5417e+02
	574	-9.2089e-01	3.2040e-02	7.1426e+00	-7.8027e+02	2.7361e+01	-2.5150e+02
	554	-9.2089e-01	1.1432e-01	7.8208e+00	-2.7946e+03	1.6432e+01	-1.6693e+02
93	552	1.7605e-01	1.6554e-02	9.4403e+00	-1.6784e+03	2.3111e+01	-1.1934e+02
	572	1.7605e-01	-2.1605e-02	8.5222e+00	-4.9207e+02	-6.2977e+01	-2.2458e+02
	573	-5.3984e-01	-2.1605e-02	8.2835e+00	-5.7678e+02	9.3801e+01	-2.5812e+02
	553	-5.3984e-01	1.6554e-02	9.2015e+00	-2.1441e+03	3.3458e+01	-1.5288e+02
94	551	6.2987e-01	-4.1011e-02	9.2548e+00	-1.0954e+03	1.5668e+02	-8.7699e+01
	571	6.2987e-01	-6.1183e-03	8.3397e+00	-2.3314e+02	2.7137e+02	-1.9578e+02
	572	1.7605e-01	-6.1183e-03	8.4973e+00	-3.8292e+02	-2.7914e+02	-2.3609e+02
	552	1.7605e-01	-4.1011e-02	9.4123e+00	-1.4420e+03	-1.2941e+02	-1.2800e+02
95	550	1.3011e+00	2.2203e-02	7.9471e+00	-3.3981e+02	8.2587e+01	-1.1362e+02
	570	1.3011e+00	2.5883e-02	7.0769e+00	3.6153e+01	8.0040e+01	-2.2970e+02
	571	6.2987e-01	2.5883e-02	7.8803e+00	-2.0552e+02	-1.0741e+02	-2.6595e+02
	551	6.2987e-01	2.2203e-02	8.7503e+00	-8.0289e+02	-8.4386e+01	-1.4987e+02
96	549	2.2602e+00	-1.8600e-02	5.4652e+00	3.1843e+02	1.4200e+02	-1.1562e+02
	569	2.2602e+00	2.7240e-02	4.7489e+00	2.5688e+02	1.1685e+02	-2.1218e+02
	570	1.3011e+00	2.7240e-02	6.0190e+00	1.8201e+02	-7.3722e+01	-2.3097e+02
	550	1.3011e+00	-1.8600e-02	6.7353e+00	-1.4229e+02	-8.4920e+01	-1.3442e+02
97	548	2.4968e+00	-2.5229e-01	1.6072e+00	4.7207e+02	1.0684e+02	-1.2117e+02
	568	2.4968e+00	-2.2903e-01	-9.4625e-01	2.9668e+02	7.0576e+01	-1.2957e+02
	569	2.2602e+00	-2.2903e-01	2.9010e+00	3.2932e+02	3.7657e+01	-1.5955e+02
	549	2.2602e+00	-2.5229e-01	3.8078e+00	4.0398e+02	2.7821e+01	-1.5116e+02
98	547	1.3414e+00	-1.2987e-01	-2.5519e+00	3.6476e+01	-3.5820e+02	-1.3704e+02
	567	1.3414e+00	-2.0014e-01	-3.5277e+00	2.7165e+02	-2.5629e+02	-5.4299e+01
	568	2.4968e+00	-2.0014e-01	-1.8385e+00	2.7346e+02	2.1637e+02	-4.6653e+01
	548	2.4968e+00	-1.2987e-01	-1.1564e+00	4.7085e+02	3.1216e+02	-1.2901e+02
99	546	3.3616e+00	-2.5330e-01	-8.4355e+00	5.8231e+02	4.9383e+02	-1.3016e+02
	566	3.3616e+00	-3.6112e-01	-4.8845e+00	1.6119e+02	4.0334e+02	-2.8166e+02
	567	1.3414e+00	-3.6112e-01	-1.1288e+00	-3.1523e+02	-4.7263e+02	-2.2786e+02
	547	1.3414e+00	-2.5330e-01	-4.4291e+00	4.2100e+02	-6.1507e+02	-7.6538e+01
100	545	6.1781e+00	-1.2514e+00	-9.9259e+00	6.5261e+02	8.0845e+01	-1.5082e+02
	565	6.1781e+00	-1.1779e+00	-6.5462e+00	1.2655e+02	-3.5172e+01	-1.4617e+02
	566	3.3616e+00	-1.1779e+00	-6.1177e+00	2.3897e+02	2.3832e+02	-1.5354e+02
	546	3.3616e+00	-1.2514e+00	-9.8299e+00	5.4518e+02	1.3824e+02	-1.5834e+02
101	544	-8.5624e+00	-1.7201e+00	-9.0016e+00	9.6495e+02	-2.3057e+02	-1.0119e+02
	564	-8.5624e+00	-2.2587e+00	-6.8958e+00	-9.7988e+02	-2.4469e+02	3.8613e+01
	565	6.1781e+00	-2.2587e+00	-7.5859e+00	4.6026e+01	2.1977e+02	4.7092e+01

	545	6.1781e+00	-1.7201e+00	-1.0375e+01	6.2884e+02	2.1378e+02	-8.1968e+01
102	542	9.0277e-02	9.0750e-02	-1.5223e+01	-3.2083e+01	-1.5795e+01	-1.3441e+02
	562	9.0277e-02	2.2866e-01	-1.3685e+01	-1.4058e+02	6.3816e+01	-1.6533e+02
	563	5.8315e-01	2.2866e-01	-1.0597e+01	-1.2821e+03	6.2504e+01	-1.1663e+02
	543	5.8315e-01	9.0750e-02	-1.2136e+01	9.4036e+02	3.5229e+01	-9.2950e+01
103	541	6.3644e-01	-5.4980e-02	-1.2541e+01	-1.1513e+03	-3.1759e+02	-1.4994e+02
	561	6.3644e-01	-1.4108e-01	-1.0988e+01	9.3720e+02	-2.5333e+02	-1.1051e+02
	562	9.0277e-02	-1.4108e-01	-1.3925e+01	-3.0016e+01	1.3234e+02	-1.3961e+02
	542	9.0277e-02	-5.4980e-02	-1.5477e+01	-3.5594e+01	2.1772e+02	-1.7915e+02
104	539	-1.6947e+00	5.6495e-01	-1.3382e+01	-8.1509e+02	-2.7398e+02	-1.2566e+02
	559	-1.6947e+00	4.8976e-01	-1.0602e+01	-3.3781e+02	-3.6471e+02	3.8420e+01
	560	-1.5187e+00	4.8976e-01	-1.0764e+01	-1.1552e+02	1.3655e+02	6.7580e+01
	540	-1.5187e+00	5.6495e-01	-1.3421e+01	-2.7374e+02	2.2547e+01	-9.4216e+01
105	538	-2.7926e+00	-4.1906e-01	-4.6548e+00	-7.3339e+02	5.1480e+01	-7.5251e+01
	558	-2.7926e+00	-8.8233e-01	3.8430e+00	-1.6697e+02	7.7177e+01	-1.5961e+02
	559	-1.6947e+00	-8.8233e-01	-8.9355e+00	-2.8839e+02	-1.6405e+02	-1.0810e+02
	539	-1.6947e+00	-4.1906e-01	-1.0412e+01	-9.7780e+02	-1.8795e+02	-3.0015e+01
106	537	-3.4958e+00	1.0029e+00	-3.7816e+00	-3.3824e+02	8.2183e+02	-9.8883e+01
	557	-3.4958e+00	1.2775e+00	-1.8975e+00	3.4001e+02	4.7691e+02	-2.5816e+02
	558	-2.7926e+00	1.2775e+00	3.7520e+00	-8.2235e+01	-3.0923e+02	-3.3285e+02
	538	-2.7926e+00	1.0029e+00	3.4737e+00	-6.9469e+02	-5.7859e+02	-1.6419e+02
107	411	-3.2037e+00	3.2795e-15	8.9022e-01	-7.4045e+03	1.2907e+02	4.0551e+02
	555	-3.2037e+00	-8.5895e-01	4.5016e+00	-4.7705e+03	1.0706e+02	9.4215e+00
	556	-1.1956e+01	-8.5895e-01	4.5115e+00	-5.2571e+03	-2.1290e+02	-1.9190e+02
	61	-1.1956e+01	3.3973e-15	9.0139e-01	-8.8591e+03	-7.4194e+01	2.1231e+02
108	409	-1.3622e+00	-1.2929e-14	6.2830e+00	-5.6863e+03	7.2145e+01	3.1200e+02
	554	-1.3622e+00	-2.8509e-01	6.8606e+00	-3.7418e+03	6.4721e+01	4.9835e+01
	555	-3.2037e+00	-2.8509e-01	4.9249e+00	-4.2034e+03	-1.1035e+02	-5.9237e+01
	411	-3.2037e+00	-8.9295e-15	4.3475e+00	-6.6735e+03	-3.9512e+01	2.0419e+02
109	187	-5.8829e-01	0.0000e+00	7.5106e+00	-4.3766e+03	6.5109e+01	2.6839e+02
	553	-5.8829e-01	1.1432e-01	8.5874e+00	-2.9366e+03	1.1176e+01	4.3403e+01
	554	-1.3622e+00	1.1432e-01	7.9108e+00	-3.2585e+03	-4.2027e+01	-3.6887e+01
	409	-1.3622e+00	0.0000e+00	6.8341e+00	-5.1561e+03	-3.1165e+01	1.8914e+02
110	407	2.2992e-01	-1.5749e-14	7.9525e+00	-3.2435e+03	5.5746e+01	2.2179e+02
	552	2.2992e-01	1.6554e-02	9.6174e+00	-2.0542e+03	1.9844e+01	8.4414e+00
	553	-5.8829e-01	1.6554e-02	9.3109e+00	-2.4637e+03	-2.2870e+01	-3.5734e+01
	187	-5.8829e-01	-1.5110e-14	7.6461e+00	-3.9614e+03	-2.7337e+01	1.8072e+02
111	406	7.2541e-01	1.5444e-14	7.6383e+00	-2.2146e+03	6.7948e+01	2.2858e+02
	551	7.2541e-01	-4.1011e-02	9.3288e+00	-1.3496e+03	1.2428e+02	2.2532e+01
	552	2.2992e-01	-4.1011e-02	9.5894e+00	-1.7282e+03	-1.4319e+02	-2.6446e+01
	407	2.2992e-01	1.5986e-14	7.8993e+00	-2.7865e+03	-4.5755e+01	1.8136e+02
112	186	2.0376e+00	-8.7850e-33	6.6807e+00	-9.1595e+02	5.0312e+01	2.2233e+02
	550	2.0376e+00	2.2203e-02	7.9774e+00	-5.6167e+02	8.5075e+01	5.9788e+00
	551	7.2541e-01	2.2203e-02	8.8244e+00	-1.0417e+03	-9.6922e+01	-2.7239e+01
	406	7.2541e-01	-3.3448e-33	7.5287e+00	-1.6906e+03	-4.3739e+01	1.9631e+02
113	400	3.2728e+00	3.6152e-32	4.5103e+00	4.9252e+02	6.0696e+01	1.6507e+02
	549	3.2728e+00	-1.8600e-02	5.7130e+00	2.6407e+02	1.4775e+02	-6.3247e+01
	550	2.0376e+00	-1.8600e-02	6.7658e+00	-1.3743e+02	-1.0083e+02	-1.6625e+01
	186	2.0376e+00	2.4622e-32	5.5638e+00	-3.8072e+02	-4.9674e+01	2.1334e+02
114	399	5.3946e+00	7.3026e-32	-8.8576e-01	1.2580e+03	3.8371e+01	-7.8222e+01
	548	5.3946e+00	-2.5229e-01	-1.3310e+00	6.1631e+02	1.2071e+02	-1.8448e+02
	549	3.2728e+00	-2.5229e-01	4.0532e+00	5.3671e+02	1.0665e+01	-5.4051e+01
	400	3.2728e+00	4.1753e-32	3.5618e+00	8.5220e+02	-2.2124e+01	5.2755e+01
115	60	2.4679e+00	3.5388e-16	-3.6563e+00	-6.8193e+01	-9.0992e+01	-3.5015e+02
	547	2.4679e+00	-1.2987e-01	-1.7127e+00	6.7481e+01	-3.5753e+02	-8.8054e+01
	548	5.3946e+00	-1.2987e-01	-1.4186e+00	4.9992e+02	3.2200e+02	-1.1824e+02
	399	5.3946e+00	4.2367e-16	-3.2140e+00	1.0431e+03	7.7893e+01	-3.8104e+02

116	91	5.7293e+00	0.0000e+00	-2.9325e+00	1.3466e+03	1.2581e+02	2.7795e+02
	546	5.7293e+00	-2.5330e-01	-7.8937e+00	5.4651e+02	5.4957e+02	-1.2572e+02
	547	2.4679e+00	-2.5330e-01	-5.6376e+00	-4.0493e+02	-6.1615e+02	-1.4836e+02
	60	2.4679e+00	0.0000e+00	-6.8436e-01	6.2513e+02	-1.7091e+02	2.5583e+02
117	168	4.1271e+00	0.0000e+00	-5.8520e+00	1.8696e+03	2.8641e+01	-1.7166e+02
	545	4.1271e+00	-1.2514e+00	-9.3661e+00	8.8905e+02	1.0890e+02	-2.4615e+02
	546	5.7293e+00	-1.2514e+00	-9.3000e+00	8.3841e+02	1.1047e+02	-4.1136e+01
	91	5.7293e+00	0.0000e+00	-5.5121e+00	1.6091e+03	-9.5257e+00	3.6033e+01
118	1	-1.0232e+00	-5.4223e-15	-5.4543e+00	1.8925e+03	-7.0367e+01	-4.4676e+02
	544	-1.0232e+00	-1.7201e+00	-1.1043e+01	-7.3181e+02	-2.2169e+02	-1.9971e+02
	545	4.1271e+00	-1.7201e+00	-9.9207e+00	6.8998e+02	2.7030e+02	-9.0772e+01
	168	4.1271e+00	-4.2895e-15	-4.3685e+00	1.7323e+03	4.1574e+01	-3.3637e+02
119	421	-2.9876e-01	9.7804e-31	-1.3908e+01	2.0554e+02	-2.9862e+01	-1.9793e+02
	542	-2.9876e-01	9.0750e-02	-1.6249e+01	-4.6505e+01	2.9833e+01	-1.4849e+02
	543	-2.1776e+00	9.0750e-02	-1.1012e+01	-9.1063e+02	3.0840e+01	-9.7546e+01
	58	-2.1776e+00	-1.6344e-30	-8.6694e+00	1.3504e+03	1.4268e+01	-1.4160e+02
120	536	1.2337e+00	1.7392e-14	-8.7788e+00	-1.0343e+03	-5.8259e+01	-9.7130e+01
	541	1.2337e+00	-5.4980e-02	-1.1765e+01	7.4181e+02	-2.7833e+02	-3.7242e+01
	542	-2.9876e-01	-5.4980e-02	-1.6503e+01	-5.6462e+01	1.5504e+02	-1.7173e+02
	421	-2.9876e-01	2.7200e-14	-1.3515e+01	8.4137e+01	5.2887e+01	-2.3460e+02
121	398	-1.9481e+00	-4.7079e-31	-9.1404e+00	-2.0567e+03	-6.6515e+01	-3.1730e+02
	539	-1.9481e+00	5.6495e-01	-1.2879e+01	-1.0618e+03	-2.5250e+02	-1.1513e+02
	540	-2.1343e+00	5.6495e-01	-1.2971e+01	-5.4686e+02	1.4687e+01	-3.6668e+02
	412	-2.1343e+00	-4.0270e-31	-9.2448e+00	-1.6056e+03	3.8207e+01	-5.7040e+02
122	413	-6.2365e+00	-6.9118e-15	-3.6740e+00	-2.2047e+03	1.1836e+01	8.5681e+01
	538	-6.2365e+00	-4.1906e-01	-4.9988e+00	-1.0904e+03	-2.6524e+01	5.6720e+01
	539	-1.9481e+00	-4.1906e-01	-9.9594e+00	-1.1456e+03	-1.7853e+02	-1.4175e+02
	398	-1.9481e+00	-1.6532e-14	-8.3967e+00	-2.2853e+03	-2.1003e+01	-1.1270e+02
123	53	-2.2082e+00	-2.1288e-30	-4.6324e-01	-8.4916e+02	2.3539e+02	3.0421e+02
	537	-2.2082e+00	1.0029e+00	-3.4272e+00	4.3540e+02	8.4012e+02	-2.3743e+02
	538	-6.2365e+00	1.0029e+00	-3.2865e+00	-7.9469e+02	-6.7847e+02	-1.4921e+02
	413	-6.2365e+00	-2.2527e-30	2.0590e+00	-1.8716e+03	-1.6062e+02	3.9353e+02
251	394	-3.8851e+00	4.7870e+00	-5.2484e+00	1.9476e+02	-6.5169e+01	-9.0954e+01
	397	-3.8851e+00	-1.9669e-17	3.0816e+01	9.2139e+01	-1.4375e+02	1.7102e+02
	504	1.0304e+02	-1.9669e-17	4.0114e+01	7.5044e+02	1.1959e+02	1.6548e+02
	395	1.0304e+02	4.7870e+00	4.3761e+00	1.0369e+02	5.6726e+01	-1.0728e+02
252	393	2.4604e+00	3.1043e+00	-5.7433e+00	-1.6344e+02	6.2995e+01	-4.6472e+01
	396	2.4604e+00	-4.4257e-14	-5.4370e+00	-2.8480e+01	-1.3429e+01	4.0032e+01
	397	-3.8851e+00	-1.1081e-14	-2.1975e+00	-3.1432e+01	2.1588e+01	2.7615e+01
	394	-3.8851e+00	3.1043e+00	-2.4953e+00	1.3549e+02	5.5189e+01	-6.8290e+01
253	392	-6.7513e+01	-7.4784e-01	1.0506e+01	-1.5461e+02	-3.3240e+01	-3.1657e+01
	503	-6.7513e+01	1.2589e-15	2.1806e+01	-6.3223e+02	-1.0036e+02	1.8362e+02
	396	2.4604e+00	1.2589e-15	7.4361e+00	-8.0906e+01	1.2040e+02	1.7288e+02
	393	2.4604e+00	-7.4784e-01	-4.4520e+00	-2.3344e+02	7.2016e+01	-3.9750e+01
254	389	1.8310e+01	4.0012e+00	1.0341e+01	-7.0824e+01	6.3543e+01	-9.1764e+01
	394	1.8310e+01	4.7870e+00	-1.7357e+00	-1.1340e+02	2.3957e+01	-1.2390e+02
	395	5.9164e+01	4.7870e+00	-3.9473e+00	1.4943e+02	-5.0747e+01	-1.1342e+02
	391	5.9164e+01	4.0012e+00	6.6783e+00	-2.1819e+02	-1.1420e+02	-8.2943e+01
255	379	-8.9424e+00	5.6336e+00	1.2690e+01	-1.0900e+02	1.0519e+02	-1.3437e+02
	393	-8.9424e+00	3.1043e+00	-3.8500e+00	-1.4873e+02	7.9339e+01	-7.4498e+01
	394	1.8310e+01	3.1043e+00	-3.6319e+00	-1.0407e+02	5.6596e+01	-9.3032e+01
	389	1.8310e+01	5.6336e+00	1.2431e+01	-7.2038e+01	2.4375e+01	-1.5172e+02
256	377	-3.5141e+01	-6.0348e-01	3.7933e+00	-2.1190e+02	1.2318e+01	-1.0776e+02
	392	-3.5141e+01	-7.4784e-01	-3.9748e-01	-1.9391e+02	2.6618e+01	-5.8626e+01
	393	-8.9424e+00	-7.4784e-01	4.7723e+00	-1.7123e+02	3.6950e+01	-7.0750e+01
	379	-8.9424e+00	-6.0348e-01	8.5264e+00	-1.2581e+02	6.7407e+01	-1.2064e+02
257	390	-6.5089e-01	-2.9140e-02	-1.4858e+00	7.2677e+01	-2.1458e+02	-3.8010e+02

	389	-5.0625e-01	4.3794e+00	1.6383e+01	6.1063e+01	-3.1082e+01	-1.0826e+02
	391	8.2612e+01	3.8710e+00	-9.8923e+00	-1.3599e+02	-1.4290e+01	-8.7727e+01
	12	8.2924e+01	-4.9449e-01	-2.6034e+01	8.7746e+02	1.2269e+02	-3.4874e+02
258	387	-2.6227e+00	2.7699e-01	1.4791e+01	-5.1382e+01	9.4699e+00	-2.5046e+02
	379	-2.6712e+00	5.8996e+00	1.7246e+01	-1.2115e+02	9.6776e+01	-2.0235e+02
	389	-4.9477e-01	5.9261e+00	1.8632e+01	5.0545e+01	1.9481e+01	-1.5754e+02
	390	-4.9335e-01	3.0288e-01	1.6123e+01	-7.8159e+01	5.1869e+00	-2.0721e+02
259	11	-4.0105e+01	-3.0181e-28	-7.7675e+00	-9.4661e+02	-1.5199e+02	-4.7662e+02
	377	-4.0105e+01	-6.0348e-01	-4.0803e+00	-1.5006e+02	-8.4140e+01	-1.6161e+02
	379	-2.1052e+00	-6.0348e-01	1.2986e+01	-2.3095e+02	1.3078e+02	-1.5568e+02
	387	-2.1052e+00	-7.8695e-28	8.9290e+00	-1.3285e+02	1.8878e+02	-4.7108e+02
260	360	-5.7718e+00	2.2157e+00	1.6718e+00	-1.4639e+03	-2.4825e+01	-2.3063e+02
	374	-5.7718e+00	3.6030e-14	-1.1054e+01	-1.5109e+03	1.2335e+03	-9.7988e+02
	502	-4.4629e+01	3.6030e-14	-2.6029e+01	-3.4275e+03	-1.3777e+03	-1.0947e+03
	365	-4.4629e+01	2.2157e+00	-1.3422e+01	-3.0946e+02	3.3480e+02	-3.4506e+02
261	359	-4.6778e+00	-8.9665e+00	-1.0590e+01	-1.4063e+03	1.0520e+02	-1.7887e+02
	372	-4.6778e+00	0.0000e+00	-7.0660e+00	-8.9615e+02	3.5939e+02	-4.7743e+02
	374	-5.7718e+00	0.0000e+00	1.3719e+00	-1.1516e+03	-2.6500e+02	-4.9020e+02
	360	-5.7718e+00	-8.9665e+00	-3.9485e+00	-1.4534e+03	4.1640e+01	-1.9134e+02
262	342	-1.8724e+01	-2.3225e+00	1.0027e+01	-6.7855e+02	6.1888e+01	-1.5609e+02
	501	-1.8724e+01	-1.8020e-14	9.0099e+00	-1.5403e+03	-2.8412e+02	-1.5809e+02
	372	-4.6778e+00	-1.8020e-14	1.7296e+01	-9.1528e+02	2.5732e+02	-1.7116e+02
	359	-4.6778e+00	-2.3225e+00	-5.0267e+00	-1.2969e+03	-2.8582e+01	-1.7025e+02
263	351	-1.3451e+01	8.9389e-01	-1.9456e+00	-8.8852e+02	7.6787e+01	5.0272e+01
	360	-1.3451e+01	2.2157e+00	-4.1459e-01	-1.1054e+03	6.9839e+01	-1.4158e+02
	365	-8.5180e+00	2.2157e+00	1.2146e+00	-1.6213e+03	1.5088e+01	-1.6431e+02
	358	-8.5180e+00	8.9389e-01	-8.5299e-01	-5.7980e+02	9.2199e+01	2.6882e+01
264	345	-8.0872e+00	-4.6524e+00	1.0888e+00	-9.8737e+02	-7.3389e+01	-2.3301e+01
	359	-8.0872e+00	-8.9665e+00	-7.3718e+00	-8.7643e+02	-2.4449e+01	-6.6632e+01
	360	-1.3451e+01	-8.9665e+00	-5.6224e+00	-9.9261e+02	2.3179e+02	-4.0951e+01
	351	-1.3451e+01	-4.6524e+00	1.7122e+00	-9.3238e+02	4.4129e+01	-3.2597e+01
265	336	-6.4855e+00	-4.8586e+00	-3.7048e+00	-8.1809e+02	1.1855e+02	5.2828e+01
	342	-6.4855e+00	-2.3225e+00	-4.6293e+00	-9.3044e+02	-1.5206e+02	-3.7276e+01
	359	-8.0872e+00	-2.3225e+00	-3.6149e+00	-8.5985e+02	1.6964e+02	-4.0346e+01
	345	-8.0872e+00	-4.8586e+00	-4.7377e+00	-9.7165e+02	-7.2852e+01	4.5284e+01
266	357	-4.7733e+00	3.2215e-29	3.8156e+00	-4.6003e+02	9.9530e+01	6.4323e+01
	351	-4.7733e+00	8.9389e-01	-2.7727e+00	-9.1976e+02	-9.1479e+00	1.1887e+01
	358	-2.2417e+01	8.9389e-01	5.8872e+00	-9.7607e+02	3.4305e+01	1.8964e+01
	120	-2.2417e+01	1.0326e-28	1.2231e+01	-4.8136e+02	-1.5483e+02	8.2999e+01
267	346	-5.8751e+00	0.0000e+00	-3.2361e+00	-1.0004e+03	-3.1463e+02	-1.8784e+02
	345	-5.8751e+00	-4.6524e+00	3.5410e+00	-6.3263e+02	1.8100e+01	-1.5869e+01
	351	-4.7733e+00	-4.6524e+00	9.9297e-01	-9.0743e+02	5.9198e+01	-9.6785e+00
	357	-4.7733e+00	0.0000e+00	-5.2336e+00	-5.3955e+02	3.2782e+02	-1.7838e+02
268	14	-2.1294e+00	-6.1001e-29	-1.5008e+00	-4.3211e+02	3.1702e+02	1.2709e+02
	336	-2.1294e+00	-4.8586e+00	-2.0679e+00	-1.1196e+03	-9.9229e+01	1.8353e+01
	345	-5.8751e+00	-4.8586e+00	-2.0982e+00	-6.6528e+02	1.2306e+02	1.6553e+01
	346	-5.8751e+00	-8.0469e-29	-2.1924e+00	-9.9732e+02	-2.9165e+02	1.2763e+02
269	341	-2.7495e+00	-6.5117e+00	-4.6658e+00	-9.8563e+02	5.4082e+01	-1.6664e+02
	344	-2.7495e+00	2.3304e-14	-1.5431e+01	-3.8280e+02	3.5323e+02	-5.7130e+02
	501	-1.8724e+01	2.5917e-14	-1.1994e+01	-1.4486e+03	-3.4318e+02	-5.7306e+02
	342	-1.8724e+01	-6.5117e+00	1.0206e+01	-5.8985e+02	-4.0094e+01	-1.6873e+02
270	340	-2.2333e+00	-3.4961e+00	9.5212e+00	-9.3555e+02	1.5412e+02	-1.6410e+02
	343	-2.2333e+00	1.8052e-14	5.3920e+00	-2.3915e+02	-1.2888e+01	-1.6446e+02
	344	-2.7495e+00	1.8052e-14	-6.4875e+00	-2.6645e+02	7.3793e+00	-2.8345e+02
	341	-2.7495e+00	-3.4961e+00	-6.2849e+00	-9.0961e+02	1.5463e+02	-2.8288e+02
271	337	-4.1242e+01	-2.2032e+00	-7.2273e+00	-3.0155e+02	4.5888e+01	-2.1148e+02
	500	-4.1242e+01	5.5117e-14	1.6374e+01	-1.8197e+03	-3.9629e+02	2.4347e+02

	343	-2.2333e+00	6.0763e-14	2.0792e+01	-4.0076e+02	4.4334e+02	2.1551e+02
	340	-2.2333e+00	-2.2032e+00	5.1269e+00	-9.8387e+02	7.1879e+01	-2.4006e+02
272	330	-6.7559e+00	-2.4843e+00	-5.7141e+00	-8.1747e+02	-7.9612e+01	-5.8293e+01
	341	-6.7559e+00	-6.5117e+00	-3.9176e+00	-7.5253e+02	-4.5822e+01	-1.3658e+02
	342	-6.4855e+00	-6.5117e+00	-2.2207e+00	-8.7075e+02	3.4682e+01	-6.8557e+01
	336	-6.4855e+00	-2.4843e+00	-4.1521e+00	-8.2941e+02	-1.0653e+02	-2.3269e+01
273	321	-1.3009e+01	-4.8851e+00	-7.0131e+00	-7.4503e+02	-7.5801e+01	-2.1178e+02
	340	-1.3009e+01	-3.4961e+00	1.0876e+01	-6.4942e+02	1.6099e+02	-2.8457e+02
	341	-6.7559e+00	-3.4961e+00	-6.4163e+00	-6.9556e+02	9.0483e+01	-1.5420e+02
	330	-6.7559e+00	-4.8851e+00	-7.9485e+00	-8.1791e+02	-1.7110e+01	-8.1561e+01
274	320	-1.2321e+01	1.0868e+00	-7.2854e-01	-4.7745e+02	-6.7356e+01	-2.3011e+02
	337	-1.2321e+01	-2.2032e+00	-2.6957e+00	-8.0476e+02	1.7780e+02	-2.7519e+02
	340	-1.3009e+01	-2.2032e+00	6.7876e+00	-7.2002e+02	-9.1354e+00	-2.6393e+02
	321	-1.3009e+01	1.0868e+00	8.6824e+00	-6.3385e+02	2.1111e+02	-2.1845e+02
275	335	-2.1110e+01	2.5858e-14	-1.2544e+01	-1.8146e+03	-3.5132e+02	-2.4319e+02
	330	-2.1110e+01	-2.4843e+00	-1.0255e+01	-3.3896e+02	-1.4800e+02	6.2168e+01
	336	-2.1294e+00	-2.4843e+00	-2.8705e+00	-1.1522e+03	-6.2237e+01	-2.0681e+01
	14	-2.1294e+00	8.5939e-15	-4.3733e+00	-5.0838e+02	3.4092e+02	-3.2409e+02
276	326	-2.0720e+00	1.3107e-28	2.5098e+01	-3.1631e+02	4.7661e+02	4.9941e+02
	321	-2.0720e+00	-4.8851e+00	5.6569e+00	-8.3720e+02	2.2904e+01	-4.6265e+01
	330	-2.1110e+01	-4.8851e+00	-1.2876e+01	-2.6627e+02	-1.7658e+02	-1.0961e+02
	335	-2.1110e+01	4.7977e-29	9.1873e+00	-1.7785e+03	-4.7316e+02	4.3432e+02
277	13	-2.5943e+01	-2.9370e-14	-1.4073e+01	5.7200e+02	2.4100e+02	2.4347e+02
	320	-2.5943e+01	1.0868e+00	-1.2097e+01	-6.6059e+02	7.7584e+01	-1.3417e+02
	321	-2.0720e+00	1.0868e+00	1.0131e+01	-6.7634e+02	1.0087e+02	-5.3221e+01
	326	-2.0720e+00	1.6278e-14	7.6474e+00	-6.1573e+01	-2.6535e+02	3.2524e+02
278	294	-9.0679e+00	-2.6918e+00	-3.0782e+00	3.2533e+02	-2.1104e+01	-1.6452e+01
	297	-9.0679e+00	5.4043e-14	-1.9853e+01	4.1164e+02	-1.8473e+02	7.6015e+01
	499	-3.8299e+01	5.4043e-14	-1.2640e+01	6.7302e+02	2.1380e+02	1.0187e+02
	295	-3.8299e+01	-2.6918e+00	6.0562e+00	1.5174e+02	-6.2739e+01	1.0113e+01
279	293	-6.0470e+00	1.0264e+00	5.3767e+00	3.3137e+02	-3.7416e+01	-2.5331e+01
	296	-6.0470e+00	-2.9012e-14	6.2550e+00	3.9220e+02	2.2254e+01	-4.1690e+01
	297	-9.0679e+00	-2.9672e-14	-5.0225e+00	3.7550e+02	-3.3328e+01	-2.6135e+01
	294	-9.0679e+00	1.0264e+00	-8.1913e+00	3.3474e+02	-4.9159e+01	-9.1363e+00
280	292	-2.1816e+01	-3.6806e+00	-7.2302e+00	9.3727e+01	-7.4133e+01	-5.7208e+01
	498	-2.1816e+01	1.8603e-14	7.3355e+00	7.9548e+02	2.8652e+02	-1.7990e+02
	296	-6.0470e+00	1.8603e-14	1.4531e+01	4.4898e+02	-2.4321e+02	-1.4689e+02
	293	-6.0470e+00	-3.6806e+00	2.7061e+00	3.2188e+02	-2.5140e+01	-2.4266e+01
281	289	-1.5869e+01	1.1646e+00	-7.3280e+00	1.7622e+01	-3.8572e+00	-3.7511e+01
	294	-1.5869e+01	-2.6918e+00	2.6210e+00	1.7265e+02	-3.6655e+01	-1.1531e+01
	295	-1.1904e+01	-2.6918e+00	4.8776e+00	2.2685e+02	2.0659e+01	-7.1717e+00
	291	-1.1904e+01	1.1646e+00	-1.4026e+00	-3.8082e+01	-3.5021e+01	-3.3226e+01
282	286	-1.2761e+01	-2.5175e+00	4.8236e+00	-1.1077e+01	-2.1961e+01	-2.2565e+01
	293	-1.2761e+01	1.0264e+00	5.3513e+00	1.7150e+02	-4.0162e+01	-1.3363e+01
	294	-1.5869e+01	1.0264e+00	-7.0903e+00	1.6433e+02	-2.3624e+01	-1.5021e+01
	289	-1.5869e+01	-2.5175e+00	-6.3762e+00	1.4366e+01	-3.9536e+01	-2.3712e+01
283	285	-5.4566e+00	-8.8311e-01	4.1879e-01	-1.3260e+02	-3.7573e+01	-3.4124e+01
	292	-5.4566e+00	-3.6806e+00	-4.0412e+00	2.9808e+02	3.2335e+01	-3.5038e+01
	293	-1.2761e+01	-3.6806e+00	3.1563e+00	1.8905e+02	-3.8628e+01	-2.0507e+01
	286	-1.2761e+01	-8.8311e-01	4.3916e+00	-2.6016e+01	-3.6192e+01	-1.9651e+01
284	290	-6.3854e+00	7.1579e-29	7.7672e+00	-1.3036e+02	-5.3558e+01	-7.6602e+01
	289	-6.3854e+00	1.1646e+00	-4.7915e+00	-9.9027e+01	-3.8246e+00	-5.0635e+01
	291	-2.6455e+01	1.1646e+00	4.8259e+00	-6.2675e+01	1.9510e+01	-4.8897e+01
	20	-2.6455e+01	1.4589e-28	1.5831e+01	-1.9503e+02	-6.6200e+01	-7.7943e+01
285	288	-7.0524e+00	2.1487e-15	-1.2083e+00	-1.6846e+02	-6.7619e+01	-9.2356e+01
	286	-7.0524e+00	-2.5175e+00	4.1774e+00	-1.1056e+02	-2.5923e+01	-4.2601e+01
	289	-6.3854e+00	-2.5175e+00	-4.1232e+00	-1.1180e+02	1.0958e+01	-4.3776e+01

	290	-6.3854e+00	-2.9498e-15	-1.5457e+00	-1.2981e+02	5.9466e+01	-9.4051e+01
286	19	-3.1017e+01	-1.8838e-01	-1.8482e+01	-4.0106e+02	-1.8032e+02	-1.4298e+02
	285	-3.0887e+01	-8.4304e-01	-5.4809e+00	-1.3962e+01	3.8799e+01	-5.7455e+01
	286	-6.1260e+00	-8.4011e-01	3.1574e+00	-1.1237e+02	-2.7138e+01	-4.3805e+01
	288	-5.9938e+00	-1.2122e-01	-1.1688e+01	-2.0476e+02	1.3497e+02	-1.3047e+02
287	281	-1.4419e+00	3.7285e+00	2.7370e+00	-2.2123e+02	1.3386e+01	-2.0695e+01
	284	-1.4419e+00	1.5581e-13	-5.8474e+00	-1.6365e+02	1.3187e+02	-1.0814e+02
	497	-4.4084e+01	7.7842e-14	-1.4989e+01	-4.8540e+02	-1.3200e+02	-1.1977e+02
	282	-4.4084e+01	3.7285e+00	-8.8446e+00	-4.7878e+01	3.5709e+01	-3.3184e+01
288	280	7.0169e+00	-3.4915e-01	-1.0879e+01	-3.0079e+02	-2.1519e+01	-2.9500e+01
	283	7.0169e+00	1.5944e-13	1.5087e+00	-1.3522e+02	-3.2602e+01	3.8603e+01
	284	-1.4419e+00	6.7308e-14	8.0114e+00	-1.2984e+02	4.6119e+01	3.1470e+01
	281	-1.4419e+00	-3.4915e-01	-3.8654e+00	-2.4083e+02	5.7048e+01	-4.4785e+01
289	279	7.2837e+01	1.0885e+00	-2.6644e+00	1.2056e+02	6.7285e+01	-7.8349e+00
	496	7.2837e+01	-1.4789e-13	-2.4708e+01	-9.7818e+02	-3.1573e+02	2.3136e+02
	283	7.0169e+00	-2.1665e-13	-2.5779e+01	-2.4501e+02	3.0792e+02	2.1374e+02
	280	7.0169e+00	1.0885e+00	-2.9625e+00	-3.1129e+02	-2.1543e+01	-2.5592e+01
290	276	-4.0566e+00	-1.1005e+00	-8.0844e+00	4.0384e+01	-6.1490e+00	-5.2575e+01
	281	-4.0566e+00	3.7285e+00	-4.5999e+00	-6.8715e+01	2.1638e+01	-3.9593e+01
	282	-1.9589e+01	3.7285e+00	1.2061e+00	-1.3742e+02	-1.5350e+01	-2.6985e+01
	278	-1.9589e+01	-1.1005e+00	-2.5990e+00	1.0061e+02	-1.0579e+01	-4.1300e+01
291	274	1.8370e+01	6.2286e+00	-1.0878e+01	-1.0757e+01	-4.1752e+01	-8.5073e+01
	280	1.8370e+01	-3.4915e-01	-1.3116e+01	-3.7401e+01	5.9525e+01	-7.9275e+01
	281	-4.0566e+00	-3.4915e-01	-1.0572e+01	-5.4768e+01	-2.2441e+01	-5.0167e+01
	276	-4.0566e+00	6.2286e+00	-8.3501e+00	3.0009e+01	6.4914e+00	-5.6553e+01
292	273	2.9874e+01	-1.0704e+00	-1.9094e+00	1.9691e+02	-2.2957e+01	-7.4090e+01
	279	2.9874e+01	1.0885e+00	3.4318e+00	-2.5714e+02	3.7971e+01	-5.8477e+01
	280	1.8370e+01	1.0885e+00	-5.2611e+00	-6.6432e+01	-2.0918e+01	-4.8213e+01
	274	1.8370e+01	-1.0704e+00	-1.0357e+01	2.1906e+01	1.0454e+01	-6.4241e+01
293	277	-1.0695e+00	1.7318e-14	6.5714e+00	1.5112e+02	-1.2214e+02	-1.2024e+02
	276	-1.0695e+00	-1.1005e+00	-6.2487e+00	1.8360e+02	-1.8997e+00	-4.2709e+01
	278	-8.1105e+00	-1.1005e+00	-1.2330e+01	3.0611e+01	-3.4769e+01	-5.2302e+01
	18	-8.1105e+00	8.4293e-15	5.0530e+00	4.5665e+02	1.2294e+02	-1.3121e+02
294	275	4.1260e+00	1.8635e-14	-1.1810e+01	1.1367e+02	1.2352e+01	-1.9985e+01
	274	4.1260e+00	6.2286e+00	-1.2170e+01	2.4042e+02	-1.1914e+01	-5.1768e+01
	276	-1.0695e+00	6.2286e+00	-6.6286e+00	1.9837e+02	-4.3015e+01	-6.3267e+01
	277	-1.0695e+00	7.2834e-15	-6.2537e+00	1.1395e+02	-2.5792e+01	-3.0140e+01
295	17	2.9686e+01	3.1708e-14	1.3005e+01	7.8273e+02	2.4671e+02	1.4946e+02
	273	2.9686e+01	-1.0704e+00	8.4112e+00	-1.0496e+02	-5.0145e+01	-3.6354e+01
	274	4.1260e+00	-1.0704e+00	-1.1595e+01	2.4364e+02	1.1882e+01	-4.9557e+01
	275	4.1260e+00	-1.2397e-14	-8.3131e+00	1.9991e+02	-2.4029e+02	1.3502e+02
296	268	-3.2300e+00	1.9772e+00	2.4477e+00	1.4855e+02	-1.1537e+01	-6.6145e+01
	272	-3.2300e+00	-9.0072e-15	-9.7501e+00	1.0969e+02	-1.1802e+02	-1.3461e+02
	495	-4.9339e+01	-9.0072e-15	-1.7293e+01	3.9020e+02	1.1952e+02	-1.4050e+02
	269	-4.9339e+01	1.9772e+00	-6.1936e+00	1.9496e+01	2.9946e+01	-6.7641e+01
297	267	4.4350e+00	-1.0533e+00	-6.7861e+00	1.4775e+02	-2.0737e+01	-6.3853e+01
	271	4.4350e+00	-2.8366e-16	3.7927e+00	7.0644e+01	1.9121e+01	-9.1396e+01
	272	-3.2300e+00	-2.8366e-16	5.9014e+00	7.0788e+01	-1.8121e+01	-9.1922e+01
	268	-3.2300e+00	-1.0533e+00	-3.7276e+00	1.4966e+02	-1.9434e+01	-6.4191e+01
298	266	5.0844e+01	-1.1129e+00	-2.3722e+00	-3.5758e+01	-2.9490e+01	-6.5691e+01
	494	5.0844e+01	1.1605e-15	-1.5942e+01	3.8915e+02	1.1992e+02	-1.4350e+02
	271	4.4350e+00	1.1605e-15	-1.5304e+01	1.0903e+02	-1.1784e+02	-1.3789e+02
	267	4.4350e+00	-1.1129e+00	-1.7752e+00	1.4522e+02	1.3922e+01	-6.3910e+01
299	231	-9.8767e+00	-1.4577e+00	-7.0657e+00	-3.2230e+01	-1.8943e+01	-1.9849e+01
	268	-9.8767e+00	1.9772e+00	-2.4050e+00	-5.3361e+01	-1.1266e+01	-5.8610e+01
	269	-2.3758e+01	1.9772e+00	2.1890e+00	1.1087e+02	1.8917e+01	-5.9747e+01
	237	-2.3758e+01	-1.4577e+00	-3.3082e+00	-1.0315e+02	2.3802e+01	-2.3107e+01

300	229	1.1488e+01	4.2128e+00	-7.7857e+00	-2.1021e+01	-1.7256e+01	-3.4031e+01
	267	1.1488e+01	-1.0533e+00	-9.8668e+00	3.4692e+01	-1.8184e+01	-4.9339e+01
	268	-9.8767e+00	-1.0533e+00	-7.8373e+00	-4.1903e+01	2.0878e+01	-5.2474e+01
	231	-9.8767e+00	4.2128e+00	-5.7830e+00	-2.3335e+01	2.9193e+01	-3.7575e+01
301	228	2.4389e+01	-2.0491e+00	-1.0444e+00	-6.2148e+01	-1.6388e+01	-2.0178e+01
	266	2.4389e+01	-1.1129e+00	2.2905e+00	1.0657e+02	-1.6835e+01	-5.3950e+01
	267	1.1488e+01	-1.1129e+00	-4.0441e+00	4.5383e+01	1.5180e+01	-5.5062e+01
	229	1.1488e+01	-2.0491e+00	-7.3296e+00	-1.0960e+01	2.2648e+01	-2.0166e+01
302	232	-2.9043e+00	0.0000e+00	1.2376e+01	-1.0450e+02	1.4673e+02	1.1793e+02
	231	-2.9043e+00	-1.4577e+00	-4.7368e+00	-1.2310e+02	-1.8315e+01	-6.6237e+00
	237	-2.3460e+01	-1.4577e+00	-9.6070e+00	6.2704e+01	3.3616e+01	5.1062e+00
	16	-2.3460e+01	0.0000e+00	8.3573e+00	-4.4282e+02	-1.5149e+02	1.2461e+02
303	230	2.1745e+00	6.8088e-28	-1.2003e+01	-5.0656e+01	3.4588e+01	4.3778e+01
	229	2.1745e+00	4.2128e+00	-1.0812e+01	-9.0571e+01	2.5215e+01	-1.2936e+01
	231	-2.9043e+00	4.2128e+00	-3.7043e+00	-1.1366e+02	-1.5599e+01	-9.1680e+00
	232	-2.9043e+00	5.3656e-28	-4.4438e+00	-5.4463e+01	-3.1581e+01	4.6123e+01
304	15	2.0205e+01	0.0000e+00	8.1629e+00	-3.2922e+02	1.1464e+02	9.5514e+01
	228	2.0205e+01	-2.0491e+00	8.0857e+00	-6.9501e+01	-2.4126e+01	-6.6737e+00
	229	2.1745e+00	-2.0491e+00	-1.0403e+01	-8.7528e+01	1.9199e+01	-3.4076e+00
	230	2.1745e+00	0.0000e+00	-1.0692e+01	-7.9763e+01	-1.0978e+02	9.1528e+01
305	224	-4.3603e+00	4.7591e+00	8.9859e-01	-2.2659e+02	6.4459e+01	-1.5452e+02
	227	-4.3603e+00	-9.6522e-14	3.5039e+01	-8.9624e+01	1.3196e+02	-2.7271e+02
	493	9.2420e+01	-6.7570e-14	3.7502e+01	-7.0501e+02	-1.1045e+02	-2.7593e+02
	225	9.2420e+01	4.7591e+00	4.2126e+00	-1.2963e+02	-4.4304e+01	-1.6205e+02
306	223	3.1745e+00	2.7468e+00	-9.5643e-01	-2.8357e+02	1.1091e+02	-1.3982e+02
	226	3.1745e+00	-3.1318e-14	-1.5998e+00	-4.6429e+01	-8.2904e+00	-9.2488e+01
	227	-4.3603e+00	7.8253e-14	4.5867e+00	-5.0059e+01	2.1640e+01	-1.4631e+02
	224	-4.3603e+00	2.7468e+00	5.3706e+00	-1.7078e+02	6.7187e+01	-2.0271e+02
307	222	-5.8191e+01	-6.7771e-01	1.3346e+01	-1.8422e+02	-1.1322e+02	-2.5425e+02
	492	-5.8191e+01	-4.6824e-14	1.9228e+01	-1.7425e+03	-2.7235e+02	3.3217e+02
	226	3.1745e+00	7.2302e-14	7.4347e+00	-2.0677e+02	3.2987e+02	3.4987e+02
	223	3.1745e+00	-6.7771e-01	1.2136e+00	-4.3422e+02	1.3806e+02	-2.3580e+02
308	219	1.4605e+01	3.3827e+00	1.1072e+01	-6.9936e+01	-1.6601e+01	-1.3971e+02
	224	1.4605e+01	4.7591e+00	3.8513e+00	-1.4478e+02	1.9296e+01	-1.6230e+02
	225	4.7041e+01	4.7591e+00	-1.9394e+00	-1.6175e+02	2.7985e+01	-1.6678e+02
	221	4.7041e+01	3.3827e+00	5.6681e+00	-1.3231e+02	2.3989e+01	-1.4993e+02
309	217	-5.1953e+00	7.5595e+00	1.5078e+01	9.5712e+01	-1.0730e+02	-2.1252e+02
	223	-5.1953e+00	2.7468e+00	8.5605e+00	-1.1567e+02	1.3250e+02	-2.6228e+02
	224	1.4605e+01	2.7468e+00	8.0992e+00	-9.8682e+01	-3.9628e+01	-1.6682e+02
	219	1.4605e+01	7.5595e+00	1.4614e+01	-6.1878e+01	4.1327e+01	-1.3063e+02
310	216	-2.1884e+01	1.8280e+00	3.7119e+00	3.0151e+02	-9.1886e+01	-3.2615e+02
	222	-2.1884e+01	-6.7771e-01	2.4111e+00	-2.2046e+02	9.0520e+01	-3.5572e+02
	223	-5.1953e+00	-6.7771e-01	9.5611e+00	-1.8003e+02	-7.9827e+00	-2.7165e+02
	217	-5.1953e+00	1.8280e+00	1.0939e+01	1.9279e+02	2.9356e+01	-2.4249e+02
311	220	1.1235e+00	-2.0027e-14	1.1033e+01	-6.7007e+01	1.1374e+02	1.0846e+02
	219	1.1235e+00	3.3827e+00	1.6668e+01	-1.4776e+02	3.5621e+01	-1.0547e+02
	221	6.0745e+01	3.3827e+00	-1.2207e+01	-9.5889e+01	-4.0497e+01	-1.1760e+02
	10	6.0745e+01	3.8674e-14	-1.7907e+01	-5.9373e+02	-9.8352e+01	9.4019e+01
312	218	-3.6479e+00	2.5070e-14	1.3447e+01	2.7468e+01	2.9803e+01	1.3119e+02
	217	-3.6479e+00	7.5595e+00	1.5850e+01	2.9566e+02	-8.6111e+01	-8.6228e+01
	219	1.1235e+00	7.5595e+00	2.0372e+01	-8.1820e+01	-3.2583e+01	-9.7831e+01
	220	1.1235e+00	3.4402e-14	1.7986e+01	3.4328e+01	-3.9834e+01	7.4962e+01
313	9	-2.3288e+01	-1.6710e-14	8.0373e+00	2.1376e+03	3.4346e+02	5.1863e+02
	216	-2.3288e+01	1.8280e+00	3.7704e+00	2.4025e+02	1.4456e+02	-2.0434e+02
	217	-3.6479e+00	1.8280e+00	1.1724e+01	5.0052e+02	-1.3597e+02	-1.6463e+02
	218	-3.6479e+00	-2.2748e-14	1.1877e+01	2.4571e+02	-4.0721e+02	5.5989e+02
314	210	-5.9014e+00	-7.8926e-01	6.7216e+00	3.4335e+02	2.1729e+01	-2.4434e+02

	215	-5.9014e+00	5.2257e-14	-1.3895e+01	2.3771e+02	-2.5280e+02	-2.1753e+02
	479	-7.5219e+01	-4.3906e-14	-2.2409e+01	8.1096e+02	2.5301e+02	-2.4005e+02
	211	-7.5219e+01	-7.8926e-01	2.3178e+00	-2.3024e+02	6.2741e+01	-2.5902e+02
315	209	6.8229e+00	5.4389e-01	2.7129e+00	-5.8785e+02	-7.6508e+01	-3.0170e+02
	212	6.8229e+00	-1.7528e-13	1.2263e+01	-2.0039e+02	-9.3287e+01	-9.8555e+01
	215	-5.9014e+00	-1.0801e-13	1.1860e+01	-2.2182e+02	1.1917e+02	-1.2962e+02
	210	-5.9014e+00	5.4389e-01	2.7967e+00	3.7207e+02	1.7980e+02	-3.3454e+02
316	208	8.1459e+01	-8.7261e-01	-5.1435e+00	3.9609e+02	1.0883e+02	-2.2230e+02
	478	8.1459e+01	3.2875e-14	-2.5165e+01	-2.2259e+03	-7.0043e+02	3.7807e+02
	212	6.8229e+00	-3.7901e-14	-1.4439e+01	-4.5689e+02	7.0252e+02	3.4619e+02
	209	6.8229e+00	-8.7261e-01	5.9676e+00	-6.3928e+02	-1.9493e+01	-2.4606e+02
317	205	-2.0740e+01	2.5694e+00	6.3353e+00	7.0344e+01	-1.8568e+02	-1.7635e+02
	210	-2.0740e+01	-7.8926e-01	2.9619e+00	-1.7437e+02	5.7539e+01	-3.2498e+02
	211	-5.1641e+01	-7.8926e-01	3.8798e+00	2.4639e+02	-4.1219e+01	-2.9682e+02
	207	-5.1641e+01	2.5694e+00	-4.3208e+00	-3.8445e+02	1.5140e+02	-1.4994e+02
318	203	2.2887e+01	2.5019e+00	3.5953e+00	2.8881e+01	-2.3908e+02	-3.5389e+02
	209	2.2887e+01	5.4389e-01	-7.7855e+00	1.3744e+02	2.1148e+02	-4.2050e+02
	210	-2.0740e+01	5.4389e-01	7.0053e+00	-1.8078e+02	-1.0290e+02	-3.8064e+02
	205	-2.0740e+01	2.5019e+00	3.4096e+00	1.4702e+02	2.4047e+02	-3.1454e+02
319	202	5.2843e+01	-3.8123e+00	-2.0895e+00	7.9255e+02	-1.7852e+02	-2.1965e+02
	208	5.2843e+01	-8.7261e-01	2.4510e+00	-5.4958e+02	1.1873e+02	-3.3392e+02
	209	2.2887e+01	-8.7261e-01	1.6419e+00	1.3832e+02	-4.9203e+01	-3.2851e+02
	203	2.2887e+01	-3.8123e+00	4.9259e+00	1.3338e+02	2.2296e+02	-2.1343e+02
320	206	-5.1350e+00	4.8613e-15	-3.9495e+00	-1.9203e+02	7.2715e+02	7.0211e+02
	205	-5.1350e+00	2.5694e+00	-1.1152e+01	-2.2098e+02	-1.2656e+02	1.9324e+01
	207	-5.7217e+01	2.5694e+00	6.2774e+00	5.8870e+02	9.8018e+01	1.5857e+01
	6	-5.7217e+01	3.0764e-14	1.3146e+01	-1.8682e+03	-7.4810e+02	6.9914e+02
321	204	6.3859e+00	4.0530e-14	-2.1537e+01	5.4576e+02	3.7373e+02	4.7098e+02
	203	6.3859e+00	2.5019e+00	-8.9485e+00	5.5076e+02	1.8147e+02	-1.0487e+02
	205	-5.1350e+00	2.5019e+00	-5.9509e+00	-1.7228e+02	-2.0499e+02	-1.1158e+02
	206	-5.1350e+00	3.3853e-14	-1.8372e+01	2.0438e+02	-3.7616e+02	4.6577e+02
322	5	6.7004e+01	3.8668e-14	1.7334e+01	3.2801e+03	1.0236e+03	9.0493e+02
	202	6.7004e+01	-3.8123e+00	1.8514e+01	-4.4455e+02	-1.4701e+02	2.1579e+01
	203	6.3859e+00	-3.8123e+00	-1.1690e+01	7.3107e+02	1.4776e+02	1.9055e+01
	204	6.3859e+00	-2.1912e-14	-1.2517e+01	9.4404e+02	-9.9913e+02	8.9729e+02
323	198	7.3410e+00	7.1298e-01	-6.3172e+00	2.2182e+02	4.0445e+01	-2.7236e+02
	201	7.3410e+00	7.7458e-14	1.7518e+01	1.8763e+02	-4.1963e+02	1.2453e+02
	475	8.8001e+01	1.8865e-13	2.7486e+01	1.2357e+03	4.3299e+02	1.3187e+02
	199	8.8001e+01	7.1298e-01	4.0357e+00	-4.9401e+02	-3.5469e+01	-2.7578e+02
324	197	-6.0151e+00	2.0718e-01	-2.7260e+00	-3.7556e+02	-8.2231e+01	-3.1756e+02
	200	-6.0151e+00	1.4412e-13	-1.3052e+01	8.7580e+01	-9.5819e+01	-1.1682e+02
	201	7.3410e+00	1.4412e-13	-1.1917e+01	9.6213e+01	1.0999e+02	-1.3436e+02
	198	7.3410e+00	2.0718e-01	-3.3969e+00	2.1505e+02	1.4554e+02	-3.3521e+02
325	196	-8.0397e+01	1.3617e+00	3.9453e+00	1.3387e+02	-4.7108e+01	-2.1956e+02
	474	-8.0397e+01	3.5314e-17	2.4444e+01	-1.1757e+03	-3.9015e+02	-1.4341e+02
	200	-6.0151e+00	3.5314e-17	1.3529e+01	-2.0706e+02	3.9230e+02	-1.2839e+02
	197	-6.0151e+00	1.3617e+00	-7.4390e+00	-4.2937e+02	3.6505e+00	-2.3170e+02
326	191	2.4978e+01	-3.4633e+00	7.1329e+00	-3.7865e+02	-1.7150e+02	-1.6751e+02
	198	2.4978e+01	7.1298e-01	-2.2041e+00	-3.5471e+02	8.6772e+01	-3.6249e+02
	199	5.6203e+01	7.1298e-01	-3.9131e+00	2.1155e+02	-3.9089e+01	-3.7288e+02
	193	5.6203e+01	-3.4633e+00	3.8062e+00	-1.1218e+03	2.5908e+02	-1.7839e+02
327	189	-2.1399e+01	2.2416e+00	-3.9358e+00	-4.1760e+02	-1.4027e+02	-3.2306e+02
	197	-2.1399e+01	2.0718e-01	7.8121e+00	-1.7049e+02	1.9770e+02	-3.8552e+02
	198	2.4978e+01	2.0718e-01	8.3873e+00	-4.1267e+02	-9.3202e+01	-4.2374e+02
	191	2.4978e+01	2.2416e+00	-4.1764e+00	-2.4971e+02	3.6067e+02	-3.6125e+02
328	188	-5.3786e+01	2.6306e+00	4.5206e+00	1.2247e+02	-1.0143e+02	-1.7086e+02
	196	-5.3786e+01	1.3617e+00	-3.8642e+00	-5.1430e+02	7.1653e+01	-2.7862e+02

	197	-2.1399e+01	1.3617e+00	-2.6266e+00	-2.0206e+02	-1.6644e+01	-3.0104e+02
	189	-2.1399e+01	2.6306e+00	7.1697e+00	-3.4568e+02	2.1847e+02	-1.9266e+02
329	192	5.6985e+00	1.2101e-14	7.0158e+00	-7.7771e+02	1.3435e+03	1.1795e+03
	191	5.6985e+00	-3.4633e+00	1.4206e+01	-1.1860e+03	-1.3576e+02	1.8878e+01
	193	7.0672e+01	-3.4633e+00	-1.4829e+01	5.2474e+02	2.4611e+02	5.6863e+01
	8	7.0672e+01	-1.8867e-14	-2.1754e+01	-4.0611e+03	-1.3489e+03	1.2187e+03
330	190	-5.0974e+00	-1.4054e-27	1.8701e+01	-2.4686e+02	3.0435e+02	3.9204e+02
	189	-5.0974e+00	2.2416e+00	7.3982e+00	-3.0243e+02	3.0688e+02	-1.3289e+02
	191	5.6985e+00	2.2416e+00	9.9888e+00	-1.0024e+03	-1.0299e+02	-7.8591e+01
	192	5.6985e+00	-1.4634e-27	2.1450e+01	-2.5321e+02	-2.6072e+02	4.4634e+02
331	7	-5.8001e+01	-3.4458e-28	-1.3655e+01	1.4033e+03	6.2383e+02	5.6434e+02
	188	-5.8001e+01	2.6306e+00	-6.8890e+00	-6.7748e+02	-6.3729e+01	-2.4353e+01
	189	-5.0974e+00	2.6306e+00	1.2183e+01	-1.2424e+02	1.5982e+02	1.0156e+01
	190	-5.0974e+00	1.2535e-28	4.9676e+00	-6.2771e+01	-5.9181e+02	5.8604e+02
766	166	-8.9623e+00	-6.6915e-13	8.7721e+00	5.7873e+02	3.9044e+02	9.0226e+01
	169	-8.9623e+00	-1.7729e-13	5.4551e+00	-4.9999e+02	-5.3376e+02	1.2102e+02
	170	7.0713e+00	-1.1057e-13	-8.5385e+00	2.0339e+03	5.3195e+02	1.2052e+02
	167	7.0713e+00	-2.9836e-13	-5.2317e+00	-1.6796e+03	-3.8861e+02	9.0950e+01
767	164	-8.0239e+00	-9.4628e-14	8.2593e+00	4.8860e+02	4.1490e+02	8.9622e+01
	166	-8.0239e+00	-4.2109e-13	8.7672e+00	-5.2086e+02	-4.1712e+02	9.0958e+01
	167	6.8159e+00	-8.9582e-14	-2.6564e+00	1.5916e+03	4.1563e+02	9.1510e+01
	165	6.8159e+00	2.2470e-14	-3.1947e+00	-1.6239e+03	-4.1341e+02	9.0195e+01
768	3	-1.4340e+01	-8.8305e-14	8.0242e+00	4.0832e+02	4.0022e+02	7.6990e+01
	164	-1.4340e+01	1.5943e-13	6.6023e+00	-5.1513e+02	-4.1455e+02	8.1002e+01
	165	-1.8126e+01	2.0329e-13	-2.1400e+00	1.5778e+03	4.1290e+02	8.1627e+01
	2	-1.8126e+01	1.3258e-14	-9.9993e-01	-1.7448e+03	-3.9856e+02	7.7767e+01
769	128	8.3184e+00	1.2422e-13	-7.5827e+00	6.0081e+02	4.0735e+02	1.0895e+02
	162	8.3184e+00	4.5389e-15	-4.9893e+00	-4.5434e+02	-5.5889e+02	1.5039e+02
	163	-6.8362e+00	-7.6196e-14	7.5752e+00	2.0635e+03	5.5708e+02	1.4971e+02
	129	-6.8362e+00	1.0691e-13	4.9984e+00	-1.7091e+03	-4.0554e+02	1.0923e+02
770	124	8.0613e+00	-6.2491e-13	-8.0210e+00	5.4345e+02	4.3705e+02	1.1052e+02
	128	8.0613e+00	2.9735e-13	-7.6304e+00	-5.2636e+02	-4.3471e+02	1.0857e+02
	129	-7.1831e+00	2.4841e-13	2.8057e+00	1.6438e+03	4.3326e+02	1.0874e+02
	125	-7.1831e+00	-5.6587e-13	2.4412e+00	-1.6227e+03	-4.3560e+02	1.1069e+02
771	4	1.5574e+01	-1.8754e-13	-7.6944e+00	4.9985e+02	4.2508e+02	9.7790e+01
	124	1.5574e+01	-2.8884e-13	-7.5002e+00	-4.0113e+02	-4.3769e+02	1.0049e+02
	125	1.8549e+01	-3.1775e-13	1.4354e+00	1.7601e+03	4.3595e+02	1.0064e+02
	54	1.8549e+01	-1.3330e-13	1.1865e+00	-1.7245e+03	-4.2334e+02	9.8055e+01
772	119	6.3774e+00	-2.1473e-13	-5.2673e+00	-6.2012e+02	1.9911e+01	-3.0096e+02
	122	6.3774e+00	-3.4553e-13	-3.2077e+00	9.3869e+02	-7.4021e+01	-2.2221e+02
	123	-5.5435e+00	1.4070e-13	1.2335e+00	4.4882e+02	-1.0913e+02	-1.8631e+02
	121	-5.5435e+00	2.9558e-15	-1.4958e+00	-3.1589e+02	4.9957e+01	-2.6408e+02
773	117	6.0309e+00	7.2697e-14	-8.9938e+00	-5.9841e+02	3.3704e+01	-2.8799e+02
	119	6.0309e+00	-5.9164e-14	-6.5395e+00	5.6037e+02	-3.0004e+01	-2.9580e+02
	121	-6.8334e+00	1.7159e-13	-2.6745e+00	2.8564e+02	-5.4440e+01	-2.6754e+02
	118	-6.8334e+00	3.7388e-15	-5.0541e+00	-2.4190e+02	6.2657e+01	-2.6087e+02
774	72	-2.3292e+01	1.0914e-14	-1.0493e+01	-6.1239e+02	-2.4756e+01	-2.9520e+02
	117	-2.3292e+01	8.4300e-14	-1.1500e+01	5.6194e+02	-4.2013e+01	-2.8017e+02
	118	2.7208e+01	1.9998e-13	-7.1727e+00	3.4439e+02	5.5863e+01	-2.6081e+02
	73	2.7208e+01	-7.3214e-15	-6.1697e+00	-2.9016e+02	6.1140e+01	-2.8141e+02
775	113	-3.4164e+00	-6.7337e-14	-7.9741e-01	8.0919e+02	1.8255e+02	7.3732e+01
	115	-3.4164e+00	2.5875e+00	-1.6327e+00	-8.9774e+02	-2.3456e+02	9.3530e+01
	116	1.9653e+00	2.5875e+00	-1.1571e+00	-3.9223e+01	1.9049e+02	8.1601e+01
	114	1.9653e+00	-2.9671e-13	-1.0226e+00	-5.9205e+01	-1.7364e+02	6.2374e+01
776	111	-4.5859e+00	7.6521e-14	1.5692e+00	7.0313e+02	2.0356e+02	7.8125e+01
	113	-4.5859e+00	-1.0098e-13	-6.9189e-01	-7.1429e+02	-1.8743e+02	7.1643e+01
	114	2.6859e+00	-2.6712e-13	2.4973e+00	1.6568e+02	1.7886e+02	6.7027e+01

	112	2.6859e+00	1.3579e-13	4.0072e+00	-1.8713e+02	-1.9501e+02	7.3085e+01
777	70	1.8857e+01	-6.2478e-14	2.1881e+00	6.4839e+02	1.9201e+02	6.7390e+01
	111	1.8857e+01	4.2734e-14	2.5183e+00	-7.0645e+02	-2.0348e+02	7.5682e+01
	112	-7.5174e+00	-5.7727e-14	4.4994e+00	2.0994e+02	1.9625e+02	7.0788e+01
	71	-7.5174e+00	-9.1546e-15	4.1971e+00	-2.7100e+02	-1.8490e+02	6.2596e+01
778	107	1.3381e+00	-6.0484e-14	1.7026e+00	-5.8524e+01	3.1223e+01	-1.0345e+02
	109	1.3381e+00	-1.2027e+00	1.4679e+00	-2.8072e+01	6.3644e+01	-9.1687e+01
	110	1.5302e+00	-1.2027e+00	-1.7706e+00	3.7499e+01	-5.9015e+01	8.3715e+01
	108	1.5302e+00	-7.5199e-14	-1.6113e+00	-6.1740e+01	-3.0571e+01	-9.5206e+01
779	105	2.0506e+00	-5.1551e-14	4.0185e+00	-9.4661e+01	-5.3552e+01	-1.1859e+02
	107	2.0506e+00	-7.2110e-14	3.0866e+00	-6.3665e+01	-2.5944e+01	-1.0348e+02
	108	2.9416e+00	-6.1752e-14	-2.2774e+00	5.6445e+01	2.8626e+01	9.9094e+01
	106	2.9416e+00	-4.2771e-14	-2.2523e+00	-8.0487e+01	-4.9208e+01	-1.1419e+02
780	68	-6.4903e+00	1.4219e-14	3.9208e+00	-8.0721e+01	-3.7496e+01	-1.0541e+02
	105	-6.4903e+00	-3.6102e-14	4.5419e+00	1.9435e+02	-6.1796e+01	-1.1997e+02
	106	-1.1946e+01	-3.1492e-14	-2.3687e+00	1.7395e+02	5.3158e+01	-1.1008e+02
	69	-1.1946e+01	-2.0810e-14	-2.3340e+00	-6.5182e+01	-3.8588e+01	-9.5293e+01
781	101	1.8607e+00	2.8823e-13	3.0229e+00	-3.3693e+01	-1.5568e+02	-1.6733e+02
	103	1.8607e+00	2.7146e+00	4.3262e+00	-2.6833e+01	1.6341e+02	-1.8129e+02
	104	-3.7038e+00	2.7146e+00	-2.7501e+00	-7.7979e+02	-2.0208e+02	-1.9292e+02
	102	-3.7038e+00	2.8823e-13	-4.0620e+00	7.1971e+02	1.6420e+02	-1.7934e+02
782	99	2.9704e+00	-4.7478e-28	1.2027e+00	-9.9317e+01	-1.4866e+02	-1.7418e+02
	101	2.9704e+00	2.8823e-13	1.3969e+00	9.5942e+01	1.5338e+02	-1.7682e+02
	102	-3.5365e+00	2.8823e-13	-3.7640e+00	-6.4517e+02	-1.6229e+02	-1.8266e+02
	100	-3.5365e+00	1.0174e-28	-4.4422e+00	6.3294e+02	1.5758e+02	-1.8000e+02
783	66	-1.2623e+01	5.8453e-16	-1.6056e+00	-1.4491e+02	-1.0996e+02	-1.4992e+02
	99	-1.2623e+01	0.0000e+00	-1.4997e+00	1.3782e+02	1.5169e+02	-1.7741e+02
	100	1.3751e+01	-2.5388e-28	-5.1310e+00	-5.3077e+02	-1.5836e+02	-1.8192e+02
	67	1.3751e+01	5.8453e-16	-5.6550e+00	5.2035e+02	1.1655e+02	-1.5440e+02
784	95	-3.5636e+00	-5.0953e-14	2.0088e+00	-9.1023e+01	6.9512e+01	2.9873e+02
	97	-3.5636e+00	-3.6209e-14	1.5781e+00	-7.3257e+01	-6.0248e+01	2.8859e+02
	98	2.2970e+00	-3.6209e-14	-3.6325e+00	3.1662e+02	4.1203e+01	-2.9530e+02
	96	2.2970e+00	-5.0953e-14	-3.1291e+00	-4.1091e+02	-5.2084e+01	3.0499e+02
785	93	-5.6247e+00	1.5924e-15	2.1973e+00	1.3825e+02	1.0544e+02	3.1009e+02
	95	-5.6247e+00	-5.0953e-14	2.2870e+00	-1.7311e+02	-7.2625e+01	3.1035e+02
	96	-4.9318e+00	-5.0953e-14	-3.5022e+00	3.9690e+02	5.5725e+01	3.0985e+02
	94	-4.9318e+00	1.5924e-15	-3.8598e+00	-4.9215e+02	-8.8171e+01	3.0825e+02
786	63	-8.2132e+00	-1.8050e-14	2.7788e+00	4.4153e+02	6.9938e+01	-2.9354e+02
	93	-8.2132e+00	1.5924e-15	2.0009e+00	1.4656e+02	-1.1575e+02	3.0827e+02
	94	-1.3330e+01	1.5924e-15	-3.4618e+00	7.0099e+02	9.8433e+01	3.0221e+02
	62	-1.3330e+01	-1.8050e-14	-3.5819e+00	-3.1391e+02	-5.5713e+01	-2.8955e+02
787	88	3.6611e+00	-2.0581e-13	-2.6380e+00	1.0413e+03	-5.3626e+01	-3.4523e+02
	90	3.6611e+00	9.3904e-14	-2.4024e+00	-1.4917e+03	7.6751e+01	-3.4841e+02
	92	-2.5555e+00	-6.5592e-14	8.7530e-01	-1.2485e+03	9.8384e+01	1.9195e+02
	89	-2.5555e+00	-1.4281e-13	7.5685e-01	7.6402e+02	-9.9600e+01	1.9820e+02
788	86	4.2042e+00	1.0618e-14	-7.9250e+00	9.5704e+02	-4.9071e+01	-3.4237e+02
	88	4.2042e+00	-5.3157e-14	-4.3955e+00	-9.0622e+02	2.3674e+01	-3.2555e+02
	89	7.6026e+00	-2.3080e-14	-1.3831e+00	-4.7327e+02	8.6264e+01	2.2757e+02
	87	7.6026e+00	3.5132e-15	-4.7371e+00	5.9754e+02	-7.8585e+01	-2.4204e+02
789	65	-1.8026e+01	-5.4375e-14	-7.8012e+00	1.0693e+03	-3.7439e+01	-3.0817e+02
	86	-1.8026e+01	9.2438e-14	-9.9605e+00	-9.4897e+02	3.8971e+01	-3.4382e+02
	87	2.9172e+01	2.6660e-14	-6.6602e+00	-5.0893e+02	7.4936e+01	-2.4042e+02
	64	2.9172e+01	-6.9923e-14	-4.5082e+00	5.2663e+02	-1.0500e+02	-2.0601e+02
790	82	2.2654e+00	-1.4412e-13	1.7366e+00	-1.0908e+03	-1.9811e+02	-2.8232e+02
	84	2.2654e+00	-1.8014e-14	3.3588e+00	1.3728e+03	2.6296e+02	-2.9615e+02
	85	-2.6602e+00	-1.8014e-14	-2.6486e+00	2.8854e+02	-2.6465e+02	-2.9622e+02
	83	-2.6602e+00	-1.4412e-13	-4.2381e+00	1.1137e+02	1.9981e+02	-2.8221e+02

791	80	-5.5431e+00	3.1863e-15	1.3873e+00	-1.0122e+03	-1.9674e+02	-2.9255e+02
	82	-5.5431e+00	-1.4412e-13	5.9930e-01	9.7896e+02	2.0421e+02	-2.9419e+02
	83	-4.5740e+00	-1.4412e-13	-4.2962e+00	-1.9215e+02	-2.0546e+02	-2.9394e+02
	81	-4.5740e+00	3.1863e-15	-3.5077e+00	1.7908e+02	1.9800e+02	-2.9228e+02
792	59	-1.3724e+01	5.0439e-15	-1.1121e+00	-1.0034e+03	-1.7445e+02	-2.8123e+02
	80	-1.3724e+01	3.1863e-15	1.3498e+00	9.5343e+02	1.8324e+02	-2.9452e+02
	81	1.2067e+01	3.1863e-15	-2.7159e+00	-1.2235e+02	-1.8461e+02	-2.9444e+02
	57	1.2067e+01	5.0439e-15	-4.7985e+00	-1.7879e+02	1.7583e+02	-2.8113e+02
793	76	2.7580e+00	1.5010e-13	-4.4457e+00	-8.7288e+01	-2.0493e+02	-3.3874e+02
	78	2.7580e+00	1.6125e-13	-2.5658e+00	-1.5012e+02	2.8708e+02	-3.7387e+02
	79	-2.3305e+00	1.4303e-13	3.4961e+00	-1.2924e+03	-2.8556e+02	-3.7334e+02
	77	-2.3305e+00	1.6460e-13	1.5678e+00	1.0885e+03	2.0341e+02	-3.3834e+02
794	74	-4.8304e+00	-8.6101e-14	-3.1872e+00	-1.0793e+02	-1.8559e+02	-3.3996e+02
	76	-4.8304e+00	2.8825e-13	-4.3752e+00	2.4702e+02	2.0768e+02	-3.5298e+02
	77	5.7383e+00	2.6824e-13	2.2722e-01	-8.2802e+02	-2.0670e+02	-3.5287e+02
	75	5.7383e+00	-7.0103e-14	1.3637e+00	9.2416e+02	1.8458e+02	-3.3987e+02
795	55	-1.1353e+01	-2.3453e-13	-3.9069e+00	1.8464e+02	-1.2425e+02	-2.9613e+02
	74	-1.1353e+01	1.4862e-13	-1.3946e+00	-1.3609e+02	1.7941e+02	-3.4545e+02
	75	1.3230e+01	1.3853e-13	1.1002e+00	-7.1027e+02	-1.7835e+02	-3.4522e+02
	56	1.3230e+01	-2.1472e-13	-2.0448e+00	8.4635e+02	1.2325e+02	-2.9597e+02
796	503	-5.2497e+01	-2.7546e-14	-1.1774e+01	1.4047e+03	1.7192e+02	7.8644e+01
	72	-5.2497e+01	-5.3835e-14	-7.4953e+00	-4.3105e+02	4.9364e+01	-3.1279e+02
	73	6.1238e+01	-5.2831e-14	-7.2183e+00	4.9373e+02	-3.1900e+01	-2.6752e+02
	504	6.1238e+01	-3.4755e-14	-1.1514e+01	-4.6792e+02	-2.0971e+02	3.5593e+01
797	496	4.1735e+01	-4.4995e-14	4.9882e+00	6.8146e+02	1.4287e+02	3.9053e+01
	70	4.1735e+01	-2.3639e-13	3.9557e+00	-6.9260e+02	-2.0103e+02	7.0755e+01
	71	-2.1586e+01	-2.6472e-13	2.1707e+00	6.2273e+01	1.8308e+02	5.9780e+01
	497	-2.1586e+01	-4.2065e-14	3.2388e+00	-1.0455e+02	-1.2510e+02	3.1561e+01
798	498	-1.5427e+01	6.1393e-15	2.1440e+00	2.3581e+02	2.9467e+01	-6.3591e+01
	68	-1.5427e+01	-3.1202e-14	1.9491e+00	2.3559e+02	-5.8920e+01	-9.3622e+01
	69	-2.2911e+01	-3.1391e-14	-1.4811e+00	2.4667e+02	5.8140e+01	-9.2600e+01
	499	-2.2911e+01	2.8695e-15	-1.7780e+00	2.0824e+02	-3.1469e+01	-6.2447e+01
799	495	-2.8544e+01	-1.1259e-15	-1.8614e+00	8.4709e+01	-3.6760e+01	-9.1436e+01
	66	-2.8544e+01	5.8453e-16	-8.5332e-01	1.0184e+02	1.2562e+02	-1.5064e+02
	67	3.3996e+01	5.8453e-16	-6.6083e+00	-3.0939e+02	-1.3336e+02	-1.5539e+02
	494	3.3996e+01	-1.1259e-15	-7.2834e+00	3.5298e+02	4.4398e+01	-9.6074e+01
800	493	5.4753e+01	1.2378e-14	7.7888e+00	-6.2106e+02	1.7462e+02	7.7350e+01
	64	5.4753e+01	2.7428e-14	5.9616e+00	1.9619e+02	-6.7975e+01	-1.9351e+02
	65	-3.5366e+01	-6.2714e-14	2.4598e+00	8.6396e+02	-5.3085e+01	-3.1013e+02
	492	-3.5366e+01	2.9637e-15	4.5503e+00	-1.6067e+03	-7.1306e+01	-1.8136e+02
801	500	-2.5565e+01	4.5740e-15	-2.9634e+00	-6.5918e+02	-7.1945e+01	-2.0915e+02
	62	-2.5565e+01	-1.8050e-14	-2.5988e+00	-7.2325e+02	-9.4735e+01	-2.6124e+02
	63	-2.1768e+01	-1.8050e-14	5.7120e+00	-4.3356e+02	9.1659e+01	-2.6827e+02
	501	-2.1768e+01	4.5740e-15	5.8969e+00	-9.0131e+02	6.6480e+01	-2.1758e+02
802	489	3.6042e+01	-1.8054e-14	5.1194e+00	-8.7050e+02	-8.0469e+01	-2.2487e+02
	57	3.6042e+01	5.0439e-15	6.3364e+00	-1.2286e+02	1.3347e+02	-2.6790e+02
	59	-3.8074e+01	5.0439e-15	3.5590e+00	-5.6011e+02	-1.4248e+02	-2.6512e+02
	488	-3.8074e+01	-1.8054e-14	2.3991e+00	1.2420e+03	9.1332e+01	-2.2090e+02
803	482	-3.7155e+01	-8.8279e-15	-3.0396e+00	7.2392e+02	3.0150e+02	1.5633e+02
	55	-3.7155e+01	-1.4414e-13	-3.6125e+00	-1.8484e+02	1.1901e+02	-2.9662e+02
	56	4.0836e+01	-1.4670e-13	-7.8245e+00	-2.8626e+02	-1.2189e+02	-2.9433e+02
	483	4.0836e+01	-1.6060e-14	-6.8871e+00	9.3442e+02	-3.0294e+02	1.5220e+02
804	474	-4.7028e+01	-3.0974e-14	-1.0747e+01	3.3124e+02	2.7347e+02	8.1292e+01
	4	-4.7028e+01	-9.4744e-15	-6.8292e+00	2.9814e+02	-4.0910e+02	7.0677e+01
	54	5.2128e+01	-1.2631e-14	-2.6703e+00	1.4749e+03	4.2164e+02	7.5943e+01
	475	5.2128e+01	8.6248e-15	-6.5457e+00	-1.5015e+03	-2.8566e+02	7.5631e+01
805	479	-5.6741e+01	1.2472e-14	-9.2389e+00	1.5344e+03	3.0561e+02	5.7112e+01

	2	-5.6741e+01	-1.2297e-13	-6.4621e+00	-1.0345e+03	-3.8518e+02	4.3825e+01
	3	4.8719e+01	-7.8483e-14	-6.7081e+00	6.0590e+02	3.7693e+02	4.5455e+01
	478	4.8719e+01	-7.1961e-15	-9.4835e+00	-5.4999e+02	-2.9727e+02	6.3141e+01
1	12	0.0000e+00	0.0000e+00	0.0000e+00	6.1615e+03	1.1002e+04	-1.5153e+03
	17	0.0000e+00	0.0000e+00	0.0000e+00	2.2396e+03	9.2538e+03	-4.8767e+03
	36	0.0000e+00	0.0000e+00	0.0000e+00	3.4249e+03	3.8015e+03	-2.7585e+03
2	36	0.0000e+00	0.0000e+00	0.0000e+00	-4.6590e+03	-7.0154e+03	-1.7387e+03
	12	0.0000e+00	0.0000e+00	0.0000e+00	-1.0498e+04	-6.4450e+03	1.0443e+03
	466	0.0000e+00	0.0000e+00	0.0000e+00	-7.1374e+03	-4.1521e+03	1.0674e+03
3	17	0.0000e+00	0.0000e+00	0.0000e+00	2.5065e+03	8.6150e+03	-1.2172e+03
	12	0.0000e+00	0.0000e+00	0.0000e+00	5.7832e+03	9.7470e+03	-3.0982e+03
	19	0.0000e+00	0.0000e+00	0.0000e+00	-1.2079e+03	1.5336e+03	8.1447e+02
4	12	0.0000e+00	0.0000e+00	0.0000e+00	6.2064e+03	9.1787e+03	-2.3573e+03
	466	0.0000e+00	0.0000e+00	0.0000e+00	3.4423e+03	7.6292e+03	-4.0073e+03
	516	0.0000e+00	0.0000e+00	0.0000e+00	1.3808e+03	2.8586e+02	-6.2658e+03
5	19	0.0000e+00	0.0000e+00	0.0000e+00	-1.8059e+03	1.5134e+03	2.1169e+03
	12	0.0000e+00	0.0000e+00	0.0000e+00	1.0731e+04	5.7968e+03	-1.0892e+03
	516	0.0000e+00	0.0000e+00	0.0000e+00	3.6493e+03	-3.3171e+03	3.8263e+03
6	346	0.0000e+00	0.0000e+00	0.0000e+00	-3.3447e+03	-5.7793e+03	6.3603e+02
	335	0.0000e+00	0.0000e+00	0.0000e+00	-3.2188e+03	-6.7727e+03	7.0754e+02
	16	0.0000e+00	0.0000e+00	0.0000e+00	-3.0482e+03	-1.8109e+03	-3.7590e+02
7	16	0.0000e+00	0.0000e+00	0.0000e+00	2.5838e+03	6.2008e+03	-6.2482e+02
	346	0.0000e+00	0.0000e+00	0.0000e+00	3.5066e+03	9.2262e+03	-1.2842e+03
	19	0.0000e+00	0.0000e+00	0.0000e+00	2.7643e+03	6.4278e+03	4.6601e+02
8	16	0.0000e+00	0.0000e+00	0.0000e+00	-2.5483e+03	-7.0471e+03	-1.4992e+03
	335	0.0000e+00	0.0000e+00	0.0000e+00	-6.2365e+03	-7.7840e+03	-5.2337e+02
	463	0.0000e+00	0.0000e+00	0.0000e+00	-1.0970e+03	-2.5285e+03	-2.3293e+03
9	16	0.0000e+00	0.0000e+00	0.0000e+00	3.4289e+03	4.4454e+02	1.5697e+03
	19	0.0000e+00	0.0000e+00	0.0000e+00	3.9556e+03	-9.5638e+02	-5.7414e+02
	15	0.0000e+00	0.0000e+00	0.0000e+00	1.7497e+03	-7.5723e+03	-4.4842e+02
10	19	0.0000e+00	0.0000e+00	0.0000e+00	-7.8707e+02	-4.1206e+03	2.2567e+03
	15	0.0000e+00	0.0000e+00	0.0000e+00	5.0010e+03	-3.5561e+02	4.3043e+03
	17	0.0000e+00	0.0000e+00	0.0000e+00	4.1474e+03	1.6410e+03	5.3533e+03
11	15	0.0000e+00	0.0000e+00	0.0000e+00	1.3515e+03	-8.5869e+03	5.5651e+02
	17	0.0000e+00	0.0000e+00	0.0000e+00	2.8080e+03	-7.3125e+03	7.0799e+02
	35	0.0000e+00	0.0000e+00	0.0000e+00	1.6354e+03	-6.4263e+03	1.7919e+03
12	15	0.0000e+00	0.0000e+00	0.0000e+00	-8.1469e+03	2.0512e+03	-1.9360e+03
	35	0.0000e+00	0.0000e+00	0.0000e+00	-6.6913e+03	-1.3100e+03	-1.2973e+03
	10	0.0000e+00	0.0000e+00	0.0000e+00	-7.4313e+03	-4.3744e+03	-4.3371e+03
13	10	0.0000e+00	0.0000e+00	0.0000e+00	3.9912e+03	7.5459e+03	3.3362e+03
	15	0.0000e+00	0.0000e+00	0.0000e+00	-2.7603e+03	6.6825e+03	2.9737e+03
	16	0.0000e+00	0.0000e+00	0.0000e+00	-4.1450e+03	-1.0141e+03	1.8964e+03
14	10	0.0000e+00	0.0000e+00	0.0000e+00	9.3193e+03	1.4481e+03	1.1155e+03
	16	0.0000e+00	0.0000e+00	0.0000e+00	-6.5936e+02	-5.6748e+03	4.3759e+02
	463	0.0000e+00	0.0000e+00	0.0000e+00	9.7349e+02	-3.1536e+03	-2.1012e+03
24	584	0.0000e+00	0.0000e+00	0.0000e+00	1.8473e+03	-1.4980e+03	-1.1296e+03
	511	0.0000e+00	0.0000e+00	0.0000e+00	2.1422e+02	-1.2442e+03	-1.3951e+03
	32	0.0000e+00	0.0000e+00	0.0000e+00	4.0666e+02	-2.8506e+03	-1.1028e+03
25	412	0.0000e+00	0.0000e+00	0.0000e+00	-4.3430e+02	-8.2863e+02	-3.0257e+03
	584	0.0000e+00	0.0000e+00	0.0000e+00	1.5183e+03	-2.3321e+02	-2.7514e+03
	511	0.0000e+00	0.0000e+00	0.0000e+00	2.9695e+03	7.6579e+02	-2.2208e+03
26	52	0.0000e+00	0.0000e+00	0.0000e+00	2.2832e+03	-6.0674e+02	-1.5576e+03
	584	0.0000e+00	0.0000e+00	0.0000e+00	8.8194e+02	-1.2912e+03	-1.4908e+03
	32	0.0000e+00	0.0000e+00	0.0000e+00	-2.8788e+02	-1.9620e+03	-1.8496e+03
27	412	0.0000e+00	0.0000e+00	0.0000e+00	2.6823e+03	-1.4722e+03	2.2051e+03

	52	0.0000e+00	0.0000e+00	0.0000e+00	1.6278e+03	-1.2457e+03	2.4627e+03
	584	0.0000e+00	0.0000e+00	0.0000e+00	2.7690e+03	3.7065e+02	2.7834e+03
124	52	0.0000e+00	0.0000e+00	0.0000e+00	-2.3653e+03	-1.2058e+03	1.4289e+03
	464	0.0000e+00	0.0000e+00	0.0000e+00	1.0897e+03	-1.3818e+02	1.7342e+03
	421	0.0000e+00	0.0000e+00	0.0000e+00	1.6327e+03	1.3706e+03	1.8052e+03
	536	0.0000e+00	0.0000e+00	0.0000e+00	-2.8102e+03	2.0428e+03	1.4942e+03
129	5	0.0000e+00	0.0000e+00	0.0000e+00	-1.3327e+04	2.4103e+03	-3.7841e+02
	586	0.0000e+00	0.0000e+00	0.0000e+00	-1.4228e+03	3.1376e+03	6.5186e+03
	535	0.0000e+00	0.0000e+00	0.0000e+00	-8.9413e+03	-1.0681e+03	-1.4008e+03
130	535	0.0000e+00	0.0000e+00	0.0000e+00	-3.9400e+03	-3.2207e+03	-4.9014e+03
	586	0.0000e+00	0.0000e+00	0.0000e+00	-4.9188e+03	-3.4514e+03	-4.3233e+03
	28	0.0000e+00	0.0000e+00	0.0000e+00	-3.2319e+03	-3.8944e+03	-5.2648e+03
131	28	0.0000e+00	0.0000e+00	0.0000e+00	-2.8474e+03	1.8477e+03	-5.1235e+02
	27	0.0000e+00	0.0000e+00	0.0000e+00	-1.7393e+03	-6.8745e+02	-9.9568e+02
	534	0.0000e+00	0.0000e+00	0.0000e+00	-1.9967e+03	-1.4190e+03	-3.2977e+03
	535	0.0000e+00	0.0000e+00	0.0000e+00	-4.3326e+03	1.3272e+03	-2.6592e+03
132	204	0.0000e+00	0.0000e+00	0.0000e+00	-8.8933e+03	-2.5780e+03	-6.6060e+03
	5	0.0000e+00	0.0000e+00	0.0000e+00	-1.5229e+04	1.5661e+03	-5.3086e+03
	535	0.0000e+00	0.0000e+00	0.0000e+00	-8.4434e+03	-4.1248e+02	-2.0554e+03
	534	0.0000e+00	0.0000e+00	0.0000e+00	-7.8126e+02	-4.1660e+02	-3.9658e+03
133	462	0.0000e+00	0.0000e+00	0.0000e+00	-1.2577e+03	-1.2767e+03	-1.5192e+03
	414	0.0000e+00	0.0000e+00	0.0000e+00	4.8513e+02	-4.9922e+03	-3.1568e+03
	6	0.0000e+00	0.0000e+00	0.0000e+00	-1.5631e+03	9.7372e+03	-1.6297e+03
	533	0.0000e+00	0.0000e+00	0.0000e+00	-1.2581e+03	-1.5623e+03	1.0396e+03
134	534	0.0000e+00	0.0000e+00	0.0000e+00	4.5848e+02	-2.2720e+03	9.5316e+02
	27	0.0000e+00	0.0000e+00	0.0000e+00	-5.9274e+02	1.0070e+03	-2.0184e+02
	462	0.0000e+00	0.0000e+00	0.0000e+00	-2.4622e+03	-2.6760e+03	-4.3698e+02
	533	0.0000e+00	0.0000e+00	0.0000e+00	4.6668e+02	-6.6845e+02	1.4514e+03
135	204	0.0000e+00	0.0000e+00	0.0000e+00	2.1771e+03	-7.4689e+03	3.5204e+03
	534	0.0000e+00	0.0000e+00	0.0000e+00	1.8894e+03	-3.0294e+02	1.7459e+03
	533	0.0000e+00	0.0000e+00	0.0000e+00	-1.9816e+03	2.0629e+03	1.0067e+03
	6	0.0000e+00	0.0000e+00	0.0000e+00	7.3905e+02	8.1492e+03	4.2966e+03
136	454	0.0000e+00	0.0000e+00	0.0000e+00	1.7089e+03	9.7454e+02	-1.7209e+03
	515	0.0000e+00	0.0000e+00	0.0000e+00	4.0643e+03	-1.1186e+03	-4.2483e+02
	582	0.0000e+00	0.0000e+00	0.0000e+00	3.3970e+03	2.3450e+03	-1.8632e+03
137	582	0.0000e+00	0.0000e+00	0.0000e+00	5.4436e+03	2.6015e+03	-5.6590e+02
	515	0.0000e+00	0.0000e+00	0.0000e+00	2.9743e+03	1.8678e+03	4.4449e+02
	532	0.0000e+00	0.0000e+00	0.0000e+00	4.5086e+03	2.3505e+03	-3.8310e+02
138	515	0.0000e+00	0.0000e+00	0.0000e+00	3.1763e+03	-8.7931e+02	1.9054e+03
	516	0.0000e+00	0.0000e+00	0.0000e+00	2.4966e+03	-3.5875e+03	4.5712e+03
	11	0.0000e+00	0.0000e+00	0.0000e+00	4.4323e+03	1.3649e+03	1.1354e+03
139	11	0.0000e+00	0.0000e+00	0.0000e+00	-2.3993e+03	-9.9044e+03	-1.3025e+03
	515	0.0000e+00	0.0000e+00	0.0000e+00	-2.6550e+03	-6.3515e+03	-2.0868e+03
	532	0.0000e+00	0.0000e+00	0.0000e+00	-2.7377e+03	-4.5042e+03	3.8129e+02
140	346	0.0000e+00	0.0000e+00	0.0000e+00	9.8927e+02	7.5343e+03	6.9938e+02
	11	0.0000e+00	0.0000e+00	0.0000e+00	4.3634e+03	7.9102e+03	1.7397e+03
	19	0.0000e+00	0.0000e+00	0.0000e+00	1.0167e+03	4.2532e+03	7.3899e+02
141	11	0.0000e+00	0.0000e+00	0.0000e+00	2.5150e+03	3.4437e+03	2.2533e+03
	516	0.0000e+00	0.0000e+00	0.0000e+00	-4.2260e+03	1.9894e+03	7.8662e+02
	19	0.0000e+00	0.0000e+00	0.0000e+00	-4.9793e+02	7.5722e+02	7.0975e+02
142	514	0.0000e+00	0.0000e+00	0.0000e+00	1.1792e+03	5.5154e+03	1.6973e+03
	532	0.0000e+00	0.0000e+00	0.0000e+00	3.1348e+03	4.9309e+03	1.3356e+03
	11	0.0000e+00	0.0000e+00	0.0000e+00	3.8780e+03	1.0431e+04	1.5380e+03
	346	0.0000e+00	0.0000e+00	0.0000e+00	7.9437e+02	8.4700e+03	2.0769e+03
143	463	0.0000e+00	0.0000e+00	0.0000e+00	4.4808e+03	-3.7369e+03	-1.4498e+03
	513	0.0000e+00	0.0000e+00	0.0000e+00	2.9535e+03	3.3571e+02	2.0565e+03

	530	0.0000e+00	0.0000e+00	0.0000e+00	1.2691e+03	3.0636e+03	2.5749e+03
	335	0.0000e+00	0.0000e+00	0.0000e+00	9.8950e+03	7.3193e+03	-9.3251e+02
144	514	0.0000e+00	0.0000e+00	0.0000e+00	5.6321e+03	3.1070e+03	4.7664e+02
	346	0.0000e+00	0.0000e+00	0.0000e+00	1.0818e+04	2.8950e+03	8.6252e+02
	335	0.0000e+00	0.0000e+00	0.0000e+00	1.0516e+04	2.7587e+03	1.0345e+03
	530	0.0000e+00	0.0000e+00	0.0000e+00	1.0752e+03	2.6324e+03	-1.1465e+03
145	531	0.0000e+00	0.0000e+00	0.0000e+00	-2.8529e+02	-1.7376e+03	3.9082e+02
	451	0.0000e+00	0.0000e+00	0.0000e+00	-2.9511e+03	-2.2343e+03	1.8655e+03
	454	0.0000e+00	0.0000e+00	0.0000e+00	-3.1408e+03	3.1202e+03	6.9409e+02
	582	0.0000e+00	0.0000e+00	0.0000e+00	3.6392e+03	5.1143e+03	-1.6760e+03
146	514	0.0000e+00	0.0000e+00	0.0000e+00	4.0265e+03	6.4616e+02	-1.8018e+03
	531	0.0000e+00	0.0000e+00	0.0000e+00	-5.1878e+02	-1.2545e+03	-4.5359e+02
	582	0.0000e+00	0.0000e+00	0.0000e+00	3.7876e+03	5.3118e+03	-7.8734e+02
	532	0.0000e+00	0.0000e+00	0.0000e+00	3.8554e+03	3.8386e+03	-1.9577e+03
147	450	0.0000e+00	0.0000e+00	0.0000e+00	-1.6727e+03	-3.9936e+03	-2.6422e+03
	451	0.0000e+00	0.0000e+00	0.0000e+00	1.6793e+03	-2.0460e+03	-2.4798e+03
	531	0.0000e+00	0.0000e+00	0.0000e+00	1.1703e+03	-2.0487e+03	-1.9337e+03
	469	0.0000e+00	0.0000e+00	0.0000e+00	6.9365e+02	-2.2451e+03	-1.8346e+03
148	530	0.0000e+00	0.0000e+00	0.0000e+00	-8.2016e+02	1.2572e+03	-1.8745e+03
	513	0.0000e+00	0.0000e+00	0.0000e+00	-2.0646e+03	1.7664e+03	-2.8279e+03
	450	0.0000e+00	0.0000e+00	0.0000e+00	-4.5217e+03	8.9017e+02	-2.4732e+03
	469	0.0000e+00	0.0000e+00	0.0000e+00	-1.7708e+03	-8.8985e+02	-1.8236e+03
149	514	0.0000e+00	0.0000e+00	0.0000e+00	2.7771e+03	4.1538e+03	8.0628e+02
	530	0.0000e+00	0.0000e+00	0.0000e+00	1.1555e+03	3.8716e+02	-5.1659e+02
	469	0.0000e+00	0.0000e+00	0.0000e+00	2.1546e+02	-1.9282e+03	-2.4159e+03
	531	0.0000e+00	0.0000e+00	0.0000e+00	1.6764e+03	-5.3783e+02	-1.5911e+03
150	21	0.0000e+00	0.0000e+00	0.0000e+00	-2.4568e+03	-4.8061e+03	5.8130e+02
	22	0.0000e+00	0.0000e+00	0.0000e+00	-6.8344e+02	-4.8136e+03	-4.3901e+02
	30	0.0000e+00	0.0000e+00	0.0000e+00	-1.2443e+03	-4.1342e+03	-5.1766e+02
151	171	0.0000e+00	0.0000e+00	0.0000e+00	3.2566e+03	4.7390e+03	5.6562e+02
	30	0.0000e+00	0.0000e+00	0.0000e+00	8.8352e+02	5.0277e+03	-7.2239e+02
	21	0.0000e+00	0.0000e+00	0.0000e+00	2.4677e+03	6.0469e+03	7.4268e+02
152	171	0.0000e+00	0.0000e+00	0.0000e+00	3.4449e+03	5.0773e+03	-2.9941e+02
	21	0.0000e+00	0.0000e+00	0.0000e+00	5.2933e+03	4.6738e+03	-1.8044e+03
	413	0.0000e+00	0.0000e+00	0.0000e+00	1.8181e+03	-2.1523e+03	-1.5993e+03
153	413	0.0000e+00	0.0000e+00	0.0000e+00	3.0996e+03	-2.5370e+03	-6.0513e+02
	171	0.0000e+00	0.0000e+00	0.0000e+00	-4.5760e+03	-3.9879e+03	1.3008e+02
	398	0.0000e+00	0.0000e+00	0.0000e+00	2.0615e+03	7.7375e+02	-1.5658e+03
154	524	0.0000e+00	0.0000e+00	0.0000e+00	7.2379e+02	-1.0478e+02	9.6077e+02
	526	0.0000e+00	0.0000e+00	0.0000e+00	-6.1678e+02	-1.3313e+02	1.1516e+03
	525	0.0000e+00	0.0000e+00	0.0000e+00	-3.5886e+02	-6.1505e+02	1.0762e+03
155	524	0.0000e+00	0.0000e+00	0.0000e+00	1.2238e+03	-9.2766e+02	-7.6216e+02
	525	0.0000e+00	0.0000e+00	0.0000e+00	6.4991e+02	-1.4227e+03	-2.2231e+02
	34	0.0000e+00	0.0000e+00	0.0000e+00	1.5163e+03	-1.2362e+03	-9.8599e+02
156	23	0.0000e+00	0.0000e+00	0.0000e+00	2.0309e+03	1.8025e+03	-2.3324e+03
	513	0.0000e+00	0.0000e+00	0.0000e+00	2.8601e+03	7.2237e+02	-2.9344e+03
	450	0.0000e+00	0.0000e+00	0.0000e+00	2.0803e+03	4.4793e+02	-3.5287e+03
157	425	0.0000e+00	0.0000e+00	0.0000e+00	-1.0114e+03	-1.4322e+03	-1.7905e+03
	450	0.0000e+00	0.0000e+00	0.0000e+00	7.2236e+02	-2.9870e+02	-2.3362e+03
	23	0.0000e+00	0.0000e+00	0.0000e+00	-4.7143e+02	-1.6572e+03	-1.5515e+03
158	34	0.0000e+00	0.0000e+00	0.0000e+00	1.1451e+03	4.8072e+02	1.0343e+03
	524	0.0000e+00	0.0000e+00	0.0000e+00	4.5328e+02	4.6752e+02	1.0405e+03
	33	0.0000e+00	0.0000e+00	0.0000e+00	5.1567e+02	-2.2906e+02	1.0275e+03
159	33	0.0000e+00	0.0000e+00	0.0000e+00	-8.5731e+02	1.3200e+03	-8.6810e+02
	34	0.0000e+00	0.0000e+00	0.0000e+00	-1.7246e+03	4.0623e+03	-1.0445e+03

	465	0.0000e+00	0.0000e+00	0.0000e+00	-1.5471e+03	1.0962e+03	3.6326e+02
160	33	0.0000e+00	0.0000e+00	0.0000e+00	-8.3455e+02	4.0553e+02	4.3636e+02
	465	0.0000e+00	0.0000e+00	0.0000e+00	-4.7661e+02	-6.4410e+02	1.4322e+03
	512	0.0000e+00	0.0000e+00	0.0000e+00	-3.2724e+02	-7.9908e+02	-6.8320e+01
161	465	0.0000e+00	0.0000e+00	0.0000e+00	6.8640e+02	7.3135e+02	-2.2961e+03
	34	0.0000e+00	0.0000e+00	0.0000e+00	2.6472e+03	-1.4401e+02	-1.6460e+03
	10	0.0000e+00	0.0000e+00	0.0000e+00	3.1686e+03	5.6236e+03	-2.9226e+03
162	10	0.0000e+00	0.0000e+00	0.0000e+00	5.4514e+03	3.0163e+03	2.5218e+03
	34	0.0000e+00	0.0000e+00	0.0000e+00	-5.6446e+02	2.5638e+03	-5.4399e+02
	35	0.0000e+00	0.0000e+00	0.0000e+00	3.3139e+03	2.9365e+03	2.4053e+03
163	35	0.0000e+00	0.0000e+00	0.0000e+00	-4.2449e+03	-4.7352e+03	5.2474e+03
	17	0.0000e+00	0.0000e+00	0.0000e+00	-3.9330e+03	-7.9071e+03	3.5418e+03
	36	0.0000e+00	0.0000e+00	0.0000e+00	-5.6024e+03	-4.9360e+03	9.4930e+02
164	529	0.0000e+00	0.0000e+00	0.0000e+00	2.5766e+02	9.9748e+02	-4.3471e+02
	526	0.0000e+00	0.0000e+00	0.0000e+00	3.4412e+02	1.3551e+03	-8.5873e+02
	42	0.0000e+00	0.0000e+00	0.0000e+00	2.2605e+02	2.8574e+03	-1.1193e+02
	127	0.0000e+00	0.0000e+00	0.0000e+00	7.6908e+01	1.1607e+03	9.8469e+01
165	33	0.0000e+00	0.0000e+00	0.0000e+00	2.1543e+02	-2.5245e+02	-7.2612e+02
	524	0.0000e+00	0.0000e+00	0.0000e+00	1.1169e+03	5.4693e+02	-1.3874e+03
	526	0.0000e+00	0.0000e+00	0.0000e+00	2.4361e+02	7.8337e+02	-9.2545e+02
	529	0.0000e+00	0.0000e+00	0.0000e+00	6.0087e+01	5.4783e+02	-3.9191e+02
166	528	0.0000e+00	0.0000e+00	0.0000e+00	7.0656e+02	3.3400e+02	-1.0457e+03
	529	0.0000e+00	0.0000e+00	0.0000e+00	5.1138e+02	5.6990e+02	-5.5926e+02
	127	0.0000e+00	0.0000e+00	0.0000e+00	2.8711e+02	1.7206e+03	-3.1081e+02
	126	0.0000e+00	0.0000e+00	0.0000e+00	1.4498e+03	1.4910e+03	-8.3840e+02
167	32	0.0000e+00	0.0000e+00	0.0000e+00	-7.1371e+02	-6.9700e+02	-8.9664e+02
	33	0.0000e+00	0.0000e+00	0.0000e+00	3.6437e+02	-9.4564e+02	-3.3940e+02
	529	0.0000e+00	0.0000e+00	0.0000e+00	2.5132e+02	5.1624e+02	-6.2775e+02
	528	0.0000e+00	0.0000e+00	0.0000e+00	4.3996e+02	5.8074e+02	-1.0675e+03
168	511	0.0000e+00	0.0000e+00	0.0000e+00	-2.2343e+03	-6.5025e+02	-1.3432e+03
	512	0.0000e+00	0.0000e+00	0.0000e+00	2.0181e+02	9.3088e+01	-4.7063e+02
	33	0.0000e+00	0.0000e+00	0.0000e+00	4.2517e+02	-5.0424e+02	-4.0328e+02
	32	0.0000e+00	0.0000e+00	0.0000e+00	-1.3889e+03	5.5569e+01	-1.1397e+03
169	464	0.0000e+00	0.0000e+00	0.0000e+00	-3.0552e+02	2.3243e+02	-1.2900e+03
	528	0.0000e+00	0.0000e+00	0.0000e+00	2.8270e+02	1.0437e+03	-1.4296e+03
	126	0.0000e+00	0.0000e+00	0.0000e+00	1.3628e+03	1.7852e+03	-1.6114e+03
	1	0.0000e+00	0.0000e+00	0.0000e+00	-1.5714e+03	2.6770e+03	-1.0059e+03
170	52	0.0000e+00	0.0000e+00	0.0000e+00	3.2441e+02	-1.6079e+03	-2.1945e+03
	32	0.0000e+00	0.0000e+00	0.0000e+00	-1.3327e+03	-2.4477e+02	-1.6729e+03
	528	0.0000e+00	0.0000e+00	0.0000e+00	-1.2007e+02	8.9433e+02	-1.3349e+03
	464	0.0000e+00	0.0000e+00	0.0000e+00	-2.9520e+02	1.1355e+03	-1.4082e+03
171	527	0.0000e+00	0.0000e+00	0.0000e+00	-9.0309e+02	4.3548e+03	1.7721e+02
	521	0.0000e+00	0.0000e+00	0.0000e+00	-6.2897e+02	2.8748e+03	6.6753e+02
	45	0.0000e+00	0.0000e+00	0.0000e+00	-4.0407e+02	3.6955e+03	1.4698e+02
	506	0.0000e+00	0.0000e+00	0.0000e+00	-6.3676e+02	2.9817e+03	3.8439e+01
172	35	0.0000e+00	0.0000e+00	0.0000e+00	1.1743e+03	-3.8890e+03	-1.9241e+03
	36	0.0000e+00	0.0000e+00	0.0000e+00	-3.3036e+03	-3.0200e+03	-6.3575e+02
	521	0.0000e+00	0.0000e+00	0.0000e+00	-8.3125e+02	2.9743e+03	1.2414e+03
	527	0.0000e+00	0.0000e+00	0.0000e+00	-1.3727e+03	2.4937e+02	9.7591e+02
173	525	0.0000e+00	0.0000e+00	0.0000e+00	-1.0486e+03	2.5512e+03	-5.9592e+02
	527	0.0000e+00	0.0000e+00	0.0000e+00	2.9616e+02	4.3236e+03	1.5273e+02
	506	0.0000e+00	0.0000e+00	0.0000e+00	-3.8624e+02	2.9737e+03	9.7972e+01
	44	0.0000e+00	0.0000e+00	0.0000e+00	5.5422e+02	4.1962e+03	-1.2435e+02
174	34	0.0000e+00	0.0000e+00	0.0000e+00	-4.7567e+02	-1.8710e+03	-8.4515e+02
	35	0.0000e+00	0.0000e+00	0.0000e+00	-1.6302e+03	-3.3260e+03	-5.3679e+02
	527	0.0000e+00	0.0000e+00	0.0000e+00	-4.5357e+02	1.4651e+03	2.8103e+02

	525	0.0000e+00	0.0000e+00	0.0000e+00	-5.0361e+02	4.1560e+02	-8.2018e+02
175	526	0.0000e+00	0.0000e+00	0.0000e+00	6.7876e+01	1.2419e+03	-1.0412e+03
	525	0.0000e+00	0.0000e+00	0.0000e+00	5.3772e+02	3.7086e+03	-1.5432e+03
	44	0.0000e+00	0.0000e+00	0.0000e+00	-3.0165e+02	4.0652e+03	-1.4793e+02
	42	0.0000e+00	0.0000e+00	0.0000e+00	2.4716e+02	2.3603e+03	1.9506e+02
176	522	0.0000e+00	0.0000e+00	0.0000e+00	-1.3294e+03	3.0034e+03	-4.0766e+02
	588	0.0000e+00	0.0000e+00	0.0000e+00	1.0564e+03	1.7885e+03	-1.7562e+03
	7	0.0000e+00	0.0000e+00	0.0000e+00	-9.9895e+02	1.1748e+04	1.4276e+02
	47	0.0000e+00	0.0000e+00	0.0000e+00	-1.3311e+03	5.4497e+03	1.2669e+03
177	38	0.0000e+00	0.0000e+00	0.0000e+00	1.1774e+03	-7.8124e+02	-5.4073e+02
	39	0.0000e+00	0.0000e+00	0.0000e+00	-9.5834e+01	-1.2684e+03	-8.3338e+02
	588	0.0000e+00	0.0000e+00	0.0000e+00	3.4560e+02	7.4577e+02	-1.1668e+03
	522	0.0000e+00	0.0000e+00	0.0000e+00	-3.0185e+02	5.1027e+02	-6.5474e+02
178	518	0.0000e+00	0.0000e+00	0.0000e+00	9.6253e+02	2.0535e+03	-9.8512e+02
	587	0.0000e+00	0.0000e+00	0.0000e+00	-2.1205e+02	2.4696e+03	-8.1739e+02
	39	0.0000e+00	0.0000e+00	0.0000e+00	9.3447e+01	2.0418e+03	-6.2316e+02
	38	0.0000e+00	0.0000e+00	0.0000e+00	1.0451e+03	1.3390e+03	-7.0619e+02
179	520	0.0000e+00	0.0000e+00	0.0000e+00	2.2493e+02	2.2351e+03	6.0343e+02
	522	0.0000e+00	0.0000e+00	0.0000e+00	-5.0694e+02	2.0080e+03	5.1195e+02
	47	0.0000e+00	0.0000e+00	0.0000e+00	-3.9383e+02	4.0789e+03	5.6340e+02
	46	0.0000e+00	0.0000e+00	0.0000e+00	2.7993e+02	3.7641e+03	6.4123e+02
180	37	0.0000e+00	0.0000e+00	0.0000e+00	1.3948e+03	-1.7019e+03	3.4026e+02
	38	0.0000e+00	0.0000e+00	0.0000e+00	1.5434e+03	-2.7817e+02	-6.3757e+02
	522	0.0000e+00	0.0000e+00	0.0000e+00	-5.3630e+02	3.7051e+02	-9.3424e+01
	520	0.0000e+00	0.0000e+00	0.0000e+00	7.5124e+02	1.8784e+02	1.1042e+03
181	517	0.0000e+00	0.0000e+00	0.0000e+00	1.9847e+03	5.1308e+02	-7.3744e+02
	518	0.0000e+00	0.0000e+00	0.0000e+00	1.3526e+03	1.5632e+03	-8.3621e+02
	38	0.0000e+00	0.0000e+00	0.0000e+00	1.7384e+03	9.8881e+02	-2.1737e+02
	37	0.0000e+00	0.0000e+00	0.0000e+00	1.5807e+03	-8.8743e+02	-8.3670e+01
182	521	0.0000e+00	0.0000e+00	0.0000e+00	-2.1976e+02	3.3577e+03	1.1065e+03
	520	0.0000e+00	0.0000e+00	0.0000e+00	4.0821e+02	2.1394e+03	9.5726e+02
	46	0.0000e+00	0.0000e+00	0.0000e+00	-7.9967e+01	3.0934e+03	2.8459e+02
	45	0.0000e+00	0.0000e+00	0.0000e+00	-3.7939e+02	3.9079e+03	4.2886e+02
183	36	0.0000e+00	0.0000e+00	0.0000e+00	-4.8851e+03	-3.5184e+03	1.1850e+03
	37	0.0000e+00	0.0000e+00	0.0000e+00	2.2455e+03	-2.0136e+03	1.0799e+03
	520	0.0000e+00	0.0000e+00	0.0000e+00	-1.2476e+02	9.3407e+02	1.1621e+03
	521	0.0000e+00	0.0000e+00	0.0000e+00	7.5277e+01	2.7447e+03	8.6814e+02
184	466	0.0000e+00	0.0000e+00	0.0000e+00	-4.3555e+02	-2.9371e+03	-3.1353e+02
	517	0.0000e+00	0.0000e+00	0.0000e+00	2.1171e+03	-1.4659e+03	-6.1513e+02
	37	0.0000e+00	0.0000e+00	0.0000e+00	3.1446e+03	-9.0269e+02	1.0127e+03
	36	0.0000e+00	0.0000e+00	0.0000e+00	-5.5873e+03	-6.1364e+03	1.2438e+03
185	28	0.0000e+00	0.0000e+00	0.0000e+00	2.3029e+03	-4.2519e+03	-3.2074e+03
	586	0.0000e+00	0.0000e+00	0.0000e+00	8.6418e+02	-5.2466e+02	-4.4163e+03
	587	0.0000e+00	0.0000e+00	0.0000e+00	-1.1844e+02	2.5195e+03	-1.3511e+03
	518	0.0000e+00	0.0000e+00	0.0000e+00	2.4056e+02	-3.8978e+02	-3.5758e+02
186	29	0.0000e+00	0.0000e+00	0.0000e+00	-5.0620e+02	-2.5701e+03	-1.3833e+03
	28	0.0000e+00	0.0000e+00	0.0000e+00	6.2458e+02	-5.0991e+03	-7.9023e+02
	518	0.0000e+00	0.0000e+00	0.0000e+00	1.2575e+03	5.8896e+02	-7.0714e+02
	517	0.0000e+00	0.0000e+00	0.0000e+00	1.4536e+03	-1.1748e+03	-1.9317e+03
187	26	0.0000e+00	0.0000e+00	0.0000e+00	-1.1304e+03	-5.7344e+02	2.2236e+02
	27	0.0000e+00	0.0000e+00	0.0000e+00	5.3706e+02	-1.2322e+03	5.3883e+02
	28	0.0000e+00	0.0000e+00	0.0000e+00	1.0015e+03	-2.7586e+03	-9.9378e+01
	29	0.0000e+00	0.0000e+00	0.0000e+00	-1.1219e+03	-1.3562e+03	-5.1898e+02
188	457	0.0000e+00	0.0000e+00	0.0000e+00	-1.2204e+03	-2.4628e+03	3.9021e+02
	462	0.0000e+00	0.0000e+00	0.0000e+00	1.5913e+03	-2.2349e+03	3.6397e+02
	27	0.0000e+00	0.0000e+00	0.0000e+00	8.6338e+02	-1.1732e+03	3.7358e+02
	26	0.0000e+00	0.0000e+00	0.0000e+00	-1.4961e+03	-9.2461e+02	3.7767e+02

189	516	0.0000e+00	0.0000e+00	0.0000e+00	8.1216e+02	-5.0249e+03	-5.1378e+03
	29	0.0000e+00	0.0000e+00	0.0000e+00	-6.9904e+02	-3.5500e+03	-2.2256e+03
	517	0.0000e+00	0.0000e+00	0.0000e+00	4.1979e+03	-2.6616e+03	3.5444e+02
	466	0.0000e+00	0.0000e+00	0.0000e+00	-3.9764e+02	-8.2196e+03	-3.2000e+02
190	515	0.0000e+00	0.0000e+00	0.0000e+00	7.2141e+02	-2.0281e+03	-1.9718e+03
	26	0.0000e+00	0.0000e+00	0.0000e+00	-1.5207e+03	-5.7394e+02	-9.9428e+02
	29	0.0000e+00	0.0000e+00	0.0000e+00	-6.6294e+02	2.4287e+02	-4.5677e+02
	516	0.0000e+00	0.0000e+00	0.0000e+00	5.2034e+03	-1.6119e+03	-1.2013e+03
191	454	0.0000e+00	0.0000e+00	0.0000e+00	-1.9738e+03	1.6986e+03	1.7514e+03
	457	0.0000e+00	0.0000e+00	0.0000e+00	-3.1649e+02	-2.2765e+02	2.0842e+03
	26	0.0000e+00	0.0000e+00	0.0000e+00	-1.7683e+03	-4.1563e+02	1.8572e+02
	515	0.0000e+00	0.0000e+00	0.0000e+00	-1.1575e+03	3.6497e+03	7.5190e+02
192	31	0.0000e+00	0.0000e+00	0.0000e+00	-1.7897e+03	-2.3217e+03	1.4210e+03
	463	0.0000e+00	0.0000e+00	0.0000e+00	-1.7192e+03	-5.3818e+02	3.3102e+03
	10	0.0000e+00	0.0000e+00	0.0000e+00	-2.8680e+03	-7.9581e+03	1.8638e+03
	465	0.0000e+00	0.0000e+00	0.0000e+00	3.1482e+03	-4.4994e+03	6.0531e+02
193	23	0.0000e+00	0.0000e+00	0.0000e+00	-3.6038e+03	-1.3120e+03	-2.0324e+03
	513	0.0000e+00	0.0000e+00	0.0000e+00	-1.5286e+03	2.5337e+03	-1.4540e+03
	463	0.0000e+00	0.0000e+00	0.0000e+00	-6.0445e+02	2.4728e+03	8.7022e+02
	31	0.0000e+00	0.0000e+00	0.0000e+00	-2.5592e+03	7.4644e+02	1.1820e+03
194	30	0.0000e+00	0.0000e+00	0.0000e+00	-1.8036e+03	-5.2461e+03	1.4548e+02
	31	0.0000e+00	0.0000e+00	0.0000e+00	5.0434e+02	-1.9920e+03	9.0166e+02
	465	0.0000e+00	0.0000e+00	0.0000e+00	4.3587e+02	-2.9543e+03	1.2710e+03
	512	0.0000e+00	0.0000e+00	0.0000e+00	4.5993e+02	-2.8277e+02	-1.6055e+02
195	22	0.0000e+00	0.0000e+00	0.0000e+00	-1.5142e+03	-4.3074e+03	-1.2527e+03
	23	0.0000e+00	0.0000e+00	0.0000e+00	5.0924e+02	-3.1545e+03	-1.8876e+03
	31	0.0000e+00	0.0000e+00	0.0000e+00	-3.9123e+02	-1.0237e+03	-6.6774e+02
	30	0.0000e+00	0.0000e+00	0.0000e+00	-1.8333e+03	-4.0088e+03	1.7207e+02
196	418	0.0000e+00	0.0000e+00	0.0000e+00	-1.4147e+03	-4.2117e+02	-1.3727e+03
	425	0.0000e+00	0.0000e+00	0.0000e+00	4.9489e+02	-3.2418e+02	-2.1394e+03
	23	0.0000e+00	0.0000e+00	0.0000e+00	3.6459e+02	-1.7760e+03	-2.1100e+03
	22	0.0000e+00	0.0000e+00	0.0000e+00	-1.1252e+03	-2.9244e+03	-1.4334e+03
197	171	0.0000e+00	0.0000e+00	0.0000e+00	-2.7269e+03	-4.6784e+03	-1.2794e+02
	30	0.0000e+00	0.0000e+00	0.0000e+00	-1.2278e+03	-5.4554e+03	4.4278e+02
	512	0.0000e+00	0.0000e+00	0.0000e+00	-1.0720e+03	-5.1245e+02	-7.8361e+02
	511	0.0000e+00	0.0000e+00	0.0000e+00	-2.0801e+03	3.5522e+02	-1.1105e+03
198	415	0.0000e+00	0.0000e+00	0.0000e+00	-1.1869e+03	7.5693e+02	7.0740e+02
	418	0.0000e+00	0.0000e+00	0.0000e+00	-2.2043e+02	1.3005e+03	-8.5692e+02
	22	0.0000e+00	0.0000e+00	0.0000e+00	-2.7739e+02	-3.7484e+03	-7.9096e+02
	21	0.0000e+00	0.0000e+00	0.0000e+00	-1.9592e+03	-3.7571e+03	7.8477e+02
199	398	0.0000e+00	0.0000e+00	0.0000e+00	2.1336e+03	-3.1631e+03	-1.2711e+03
	171	0.0000e+00	0.0000e+00	0.0000e+00	-4.8789e+03	-4.5231e+03	-7.8779e+02
	511	0.0000e+00	0.0000e+00	0.0000e+00	-1.1070e+03	-3.5636e+02	-1.9942e+03
	412	0.0000e+00	0.0000e+00	0.0000e+00	3.2497e+03	-1.1970e+02	-1.8675e+03
200	53	0.0000e+00	0.0000e+00	0.0000e+00	3.2938e+02	1.5908e+03	3.3904e+03
	415	0.0000e+00	0.0000e+00	0.0000e+00	-2.3787e+03	1.4176e+03	2.1541e+03
	21	0.0000e+00	0.0000e+00	0.0000e+00	-4.5287e+03	-2.6646e+03	1.8496e+03
	413	0.0000e+00	0.0000e+00	0.0000e+00	2.2757e+03	-1.8455e+02	2.4201e+03
201	510	0.0000e+00	0.0000e+00	0.0000e+00	9.3153e+02	5.1440e+03	-1.4065e+03
	491	0.0000e+00	0.0000e+00	0.0000e+00	-2.6611e+02	4.5617e+03	-1.4364e+03
	186	0.0000e+00	0.0000e+00	0.0000e+00	-5.3328e+02	1.1395e+03	-1.4993e+03
	400	0.0000e+00	0.0000e+00	0.0000e+00	1.1410e+03	6.1161e+02	-1.3947e+03
202	41	0.0000e+00	0.0000e+00	0.0000e+00	1.2855e+03	2.8422e+02	3.9004e+02
	43	0.0000e+00	0.0000e+00	0.0000e+00	-3.3903e+02	-1.1474e+03	3.7040e+01
	491	0.0000e+00	0.0000e+00	0.0000e+00	-2.2609e+02	3.6886e+03	-1.5350e+03
	510	0.0000e+00	0.0000e+00	0.0000e+00	9.3657e+02	5.4532e+03	-1.0271e+03
203	127	0.0000e+00	0.0000e+00	0.0000e+00	1.5868e+02	5.6334e+02	-1.8985e+02

	42	0.0000e+00	0.0000e+00	0.0000e+00	1.9833e+02	1.5470e+03	-4.4944e+01
	43	0.0000e+00	0.0000e+00	0.0000e+00	-4.3939e+02	-6.4409e+02	5.9153e+01
	41	0.0000e+00	0.0000e+00	0.0000e+00	9.9776e+02	1.5780e+02	-1.2163e+02
204	509	0.0000e+00	0.0000e+00	0.0000e+00	3.0899e+03	6.1397e+03	2.2079e+02
	510	0.0000e+00	0.0000e+00	0.0000e+00	2.8812e+02	5.9691e+03	-9.3052e+02
	400	0.0000e+00	0.0000e+00	0.0000e+00	3.2446e+02	2.5549e+02	-6.0381e+02
	399	0.0000e+00	0.0000e+00	0.0000e+00	1.2062e+03	-5.4239e+02	3.7084e+02
205	40	0.0000e+00	0.0000e+00	0.0000e+00	3.3136e+03	3.2401e+02	-4.6459e+02
	41	0.0000e+00	0.0000e+00	0.0000e+00	6.7356e+02	-3.0083e+02	-4.6860e+02
	510	0.0000e+00	0.0000e+00	0.0000e+00	9.9074e+02	5.4372e+03	-7.2241e+02
	509	0.0000e+00	0.0000e+00	0.0000e+00	3.3831e+03	5.1877e+03	-4.3390e+02
206	126	0.0000e+00	0.0000e+00	0.0000e+00	1.9853e+03	3.2735e+02	-9.4671e+02
	127	0.0000e+00	0.0000e+00	0.0000e+00	3.8922e+02	3.8224e+02	-2.2039e+02
	41	0.0000e+00	0.0000e+00	0.0000e+00	1.3041e+02	1.9185e+02	-3.3608e+02
	40	0.0000e+00	0.0000e+00	0.0000e+00	3.1756e+03	6.1592e+02	-1.0631e+03
207	91	0.0000e+00	0.0000e+00	0.0000e+00	-2.5826e+03	1.3626e+03	1.2790e+03
	509	0.0000e+00	0.0000e+00	0.0000e+00	3.7852e+03	5.2926e+03	6.9431e+02
	399	0.0000e+00	0.0000e+00	0.0000e+00	1.8052e+03	-1.0488e+03	1.8245e+03
	60	0.0000e+00	0.0000e+00	0.0000e+00	-1.3216e+03	-1.0699e+02	2.4707e+03
208	168	0.0000e+00	0.0000e+00	0.0000e+00	1.3152e+02	-8.2276e+01	-7.8846e+02
	40	0.0000e+00	0.0000e+00	0.0000e+00	3.5526e+03	-1.0433e+03	-1.0039e+03
	509	0.0000e+00	0.0000e+00	0.0000e+00	4.2097e+03	4.3222e+03	-1.6632e+02
	91	0.0000e+00	0.0000e+00	0.0000e+00	-2.4495e+03	1.5907e+03	-5.7270e+01
209	1	0.0000e+00	0.0000e+00	0.0000e+00	-9.2017e+02	-5.5493e+02	-2.2143e+03
	126	0.0000e+00	0.0000e+00	0.0000e+00	2.4081e+03	3.6502e+02	-1.2136e+03
	40	0.0000e+00	0.0000e+00	0.0000e+00	2.2491e+03	-2.4688e+02	-1.3417e+03
	168	0.0000e+00	0.0000e+00	0.0000e+00	1.6339e+02	7.0875e+02	-1.9400e+03
210	508	0.0000e+00	0.0000e+00	0.0000e+00	2.6833e+01	1.3034e+03	-1.4315e+03
	476	0.0000e+00	0.0000e+00	0.0000e+00	2.6135e+02	9.5014e+02	-1.7225e+03
	187	0.0000e+00	0.0000e+00	0.0000e+00	-1.3131e+03	3.6062e+03	-1.7014e+03
	407	0.0000e+00	0.0000e+00	0.0000e+00	1.1365e+03	3.2020e+03	-1.4184e+03
211	507	0.0000e+00	0.0000e+00	0.0000e+00	9.3352e+02	-1.5264e+03	-1.5673e+02
	49	0.0000e+00	0.0000e+00	0.0000e+00	-1.1416e+03	-2.3929e+03	1.1777e+02
	476	0.0000e+00	0.0000e+00	0.0000e+00	1.2583e+02	-7.2745e+02	-6.1700e+02
	508	0.0000e+00	0.0000e+00	0.0000e+00	4.5522e+02	1.4917e+02	-1.1010e+03
212	506	0.0000e+00	0.0000e+00	0.0000e+00	-5.2860e+02	9.6887e+02	-5.3078e+02
	45	0.0000e+00	0.0000e+00	0.0000e+00	-3.4255e+02	1.9528e+03	-2.9168e+02
	49	0.0000e+00	0.0000e+00	0.0000e+00	-7.0775e+02	-1.1305e+03	5.8496e+02
	507	0.0000e+00	0.0000e+00	0.0000e+00	7.9889e+02	-1.7379e+03	3.9734e+02
213	487	0.0000e+00	0.0000e+00	0.0000e+00	3.7461e+02	2.8275e+03	-1.4960e+03
	508	0.0000e+00	0.0000e+00	0.0000e+00	-3.2654e+02	1.7949e+03	-1.4916e+03
	407	0.0000e+00	0.0000e+00	0.0000e+00	-1.3871e+03	2.8935e+03	-1.5662e+03
	406	0.0000e+00	0.0000e+00	0.0000e+00	1.3499e+03	2.2178e+03	-1.6312e+03
214	48	0.0000e+00	0.0000e+00	0.0000e+00	-4.9359e+02	-1.3987e+03	-1.0986e+02
	507	0.0000e+00	0.0000e+00	0.0000e+00	5.7438e+02	-7.7429e+02	-8.0826e+02
	508	0.0000e+00	0.0000e+00	0.0000e+00	-7.8515e+02	8.4311e+02	-1.0127e+03
	487	0.0000e+00	0.0000e+00	0.0000e+00	-2.9402e+02	2.5659e+03	-1.0365e+03
215	44	0.0000e+00	0.0000e+00	0.0000e+00	1.0036e+03	1.9810e+03	2.2208e+02
	506	0.0000e+00	0.0000e+00	0.0000e+00	-3.4290e+02	1.1444e+03	4.4036e+02
	507	0.0000e+00	0.0000e+00	0.0000e+00	8.2085e+02	-1.5784e+03	-7.1754e+02
	48	0.0000e+00	0.0000e+00	0.0000e+00	-7.3483e+01	-8.1594e+02	-6.4814e+02
216	491	0.0000e+00	0.0000e+00	0.0000e+00	3.3883e+02	3.9224e+03	-1.6277e+03
	487	0.0000e+00	0.0000e+00	0.0000e+00	-3.7060e+02	3.2509e+03	-1.3701e+03
	406	0.0000e+00	0.0000e+00	0.0000e+00	-1.0555e+03	1.8987e+03	-1.5132e+03
	186	0.0000e+00	0.0000e+00	0.0000e+00	1.2545e+03	1.5018e+03	-1.7275e+03
217	43	0.0000e+00	0.0000e+00	0.0000e+00	6.2107e+02	-5.3044e+02	4.7986e+02
	48	0.0000e+00	0.0000e+00	0.0000e+00	-2.1567e+02	-1.9312e+03	9.0971e+01

	487	0.0000e+00	0.0000e+00	0.0000e+00	-2.3085e+02	1.4529e+03	-1.6753e+03
	491	0.0000e+00	0.0000e+00	0.0000e+00	1.5696e+02	3.8842e+03	-1.1394e+03
218	42	0.0000e+00	0.0000e+00	0.0000e+00	3.9767e+02	1.4439e+03	-1.6539e+02
	44	0.0000e+00	0.0000e+00	0.0000e+00	-3.1261e+02	1.8891e+03	-2.1013e+01
	48	0.0000e+00	0.0000e+00	0.0000e+00	-4.0552e+02	-8.2943e+02	-2.2249e+01
	43	0.0000e+00	0.0000e+00	0.0000e+00	6.7770e+02	-4.8101e+02	-1.2955e+02
219	477	0.0000e+00	0.0000e+00	0.0000e+00	1.3940e+02	-1.6798e+03	-2.3090e+03
	485	0.0000e+00	0.0000e+00	0.0000e+00	1.6574e+03	-2.6556e+03	-2.9751e+03
	61	0.0000e+00	0.0000e+00	0.0000e+00	7.9389e+02	7.2145e+03	-3.0077e+03
	411	0.0000e+00	0.0000e+00	0.0000e+00	-2.9290e+02	6.2675e+03	-2.2760e+03
220	51	0.0000e+00	0.0000e+00	0.0000e+00	3.0820e+03	-7.2019e+03	6.7137e+02
	8	0.0000e+00	0.0000e+00	0.0000e+00	-3.2780e+02	-1.5635e+04	1.6661e+02
	485	0.0000e+00	0.0000e+00	0.0000e+00	4.3227e+01	-3.5844e+03	-3.1384e+03
	477	0.0000e+00	0.0000e+00	0.0000e+00	9.2442e+02	-5.6332e+03	-2.1135e+03
221	47	0.0000e+00	0.0000e+00	0.0000e+00	-6.1642e+02	2.2249e+03	9.0987e+02
	7	0.0000e+00	0.0000e+00	0.0000e+00	-1.7012e+03	1.0544e+04	4.4510e+03
	8	0.0000e+00	0.0000e+00	0.0000e+00	1.0618e+03	-1.3505e+04	4.1550e+03
	51	0.0000e+00	0.0000e+00	0.0000e+00	1.6434e+03	-4.3170e+03	6.4188e+02
222	473	0.0000e+00	0.0000e+00	0.0000e+00	-1.6682e+02	-6.6153e+02	-1.6753e+03
	477	0.0000e+00	0.0000e+00	0.0000e+00	1.0400e+03	-9.8553e+02	-2.6792e+03
	411	0.0000e+00	0.0000e+00	0.0000e+00	-1.0882e+03	5.6573e+03	-2.5036e+03
	409	0.0000e+00	0.0000e+00	0.0000e+00	5.2988e+02	5.1280e+03	-1.7070e+03
223	50	0.0000e+00	0.0000e+00	0.0000e+00	9.1387e+02	-4.2830e+03	-1.6675e+02
	51	0.0000e+00	0.0000e+00	0.0000e+00	1.9120e+02	-5.9848e+03	1.6626e+02
	477	0.0000e+00	0.0000e+00	0.0000e+00	3.6748e+02	-4.4619e+03	-1.4252e+03
	473	0.0000e+00	0.0000e+00	0.0000e+00	7.2448e+02	-2.8459e+03	-1.7024e+03
224	46	0.0000e+00	0.0000e+00	0.0000e+00	4.1987e+02	1.7024e+03	4.9733e+02
	47	0.0000e+00	0.0000e+00	0.0000e+00	-5.4673e+02	2.7212e+03	1.4236e+03
	51	0.0000e+00	0.0000e+00	0.0000e+00	5.6322e+02	-4.4045e+03	1.1410e+03
	50	0.0000e+00	0.0000e+00	0.0000e+00	4.7930e+02	-2.4516e+03	2.1393e+02
225	476	0.0000e+00	0.0000e+00	0.0000e+00	3.5793e+01	3.9291e+02	-1.4571e+03
	473	0.0000e+00	0.0000e+00	0.0000e+00	5.2682e+02	-4.9435e+02	-1.8629e+03
	409	0.0000e+00	0.0000e+00	0.0000e+00	-1.3055e+03	4.5049e+03	-2.0751e+03
	187	0.0000e+00	0.0000e+00	0.0000e+00	1.0418e+03	4.0597e+03	-1.4976e+03
226	49	0.0000e+00	0.0000e+00	0.0000e+00	1.7444e+02	-2.7828e+03	-3.4604e+02
	50	0.0000e+00	0.0000e+00	0.0000e+00	-2.3578e+02	-3.7120e+03	7.6910e+01
	473	0.0000e+00	0.0000e+00	0.0000e+00	2.4877e+01	-2.3119e+03	-9.3858e+02
	476	0.0000e+00	0.0000e+00	0.0000e+00	4.0863e+02	-9.8749e+02	-1.2870e+03
227	45	0.0000e+00	0.0000e+00	0.0000e+00	-3.4065e+02	1.6088e+03	2.5100e+02
	46	0.0000e+00	0.0000e+00	0.0000e+00	-1.0758e+02	1.8376e+03	7.0984e+02
	50	0.0000e+00	0.0000e+00	0.0000e+00	2.9838e+02	-2.1636e+03	5.0952e+02
	49	0.0000e+00	0.0000e+00	0.0000e+00	-1.5015e+02	-1.2766e+03	5.4752e+01
228	58	0.0000e+00	0.0000e+00	0.0000e+00	1.9259e+03	-2.7238e+03	-9.8813e+02
	1	0.0000e+00	0.0000e+00	0.0000e+00	-1.8949e+03	-2.6638e+03	-8.4964e+02
	464	0.0000e+00	0.0000e+00	0.0000e+00	-9.3316e+02	9.5209e+02	-1.4746e+03
	421	0.0000e+00	0.0000e+00	0.0000e+00	1.2757e+03	1.5088e+03	-1.6057e+03

SFORZI "Dinamica SLVh X" (Fase 1)

Generato da analisi lunedì 11 aprile 2022 alle ore 15:46:53.

Elem	Nodo	N	Vy	Vz	Mx	My	Mz
15	583	2.5143e-12	-1.1596e+02	-2.3821e-14	7.0407e+02	2.0874e-12	-8.5395e+03
	437	-2.5143e-12	1.1596e+02	2.3821e-14	-7.0407e+02	9.7489e-13	-9.0632e+03
16	430	4.6476e-12	-8.0903e+01	-8.7911e-15	-2.2281e+03	1.9760e-12	-7.4279e+03
	583	-4.6476e-12	8.0903e+01	8.7911e-15	2.2281e+03	-1.5348e-12	-7.2800e+03
17	437	9.8992e-13	-2.4084e+02	1.4549e-13	3.3128e+04	-8.0453e-12	-1.4497e+04
	133	-9.8992e-13	2.4084e+02	-1.4549e-13	-3.3128e+04	-8.9949e-12	-1.4214e+04

18	428	1.7626e-12	4.0654e+02	-1.4892e-13	4.9832e+04	-1.7559e-11	4.0473e+04
	131	-1.7626e-12	-4.0654e+02	1.4892e-13	-4.9832e+04	9.1392e-11	1.7665e+04
19	427	1.4858e-12	8.6021e+02	9.9603e-14	4.4104e+04	1.5510e-11	7.6286e+04
	130	-1.4858e-12	-8.6021e+02	-9.9603e-14	-4.4104e+04	-4.0716e-11	3.0726e+04
20	430	-3.0914e-12	-6.7089e+02	-2.3716e-13	3.3120e+04	1.5065e-11	-4.5438e+04
	132	3.0914e-12	6.7089e+02	2.3716e-13	-3.3120e+04	1.5669e-11	-3.5204e+04
21	446	2.1369e-12	4.2461e+02	2.9072e-13	3.5273e+04	6.0713e-12	3.3312e+04
	134	-2.1369e-12	-4.2461e+02	-2.9072e-13	-3.5273e+04	-9.4706e-11	1.8222e+04
22	455	1.3250e-12	-1.0506e+03	-4.7872e-13	2.9968e+04	6.5649e-11	-8.6360e+04
	135	-1.3250e-12	1.0506e+03	4.7872e-13	-2.9968e+04	-7.6938e-12	-4.0487e+04
23	460	2.4768e-12	-1.9760e+03	7.4435e-13	3.2076e+04	-8.7758e-11	-1.4952e+05
	136	-2.4768e-12	1.9760e+03	-7.4435e-13	-3.2076e+04	-5.1911e-11	-8.6442e+04
229	460	-2.9654e-12	-1.6018e+01	-4.1333e-15	5.8210e+03	1.6877e-12	-1.6017e+03
	25	2.9654e-12	1.6018e+01	4.1333e-15	-5.8210e+03	-7.7849e-13	-3.5442e+03
230	455	2.8431e-13	-2.8106e+01	2.7628e-15	3.6452e+02	6.8581e-13	-4.0199e+03
	460	-2.8431e-13	2.8106e+01	-2.7628e-15	-3.6452e+02	-9.0247e-13	-4.5134e+03
231	446	5.1709e-13	-2.6803e+01	-2.1788e-15	-1.3157e+02	5.1208e-13	-4.6126e+03
	455	-5.1709e-13	2.6803e+01	2.1788e-15	1.3157e+02	6.6595e-13	-4.8808e+03
232	437	-1.7251e-12	-3.2210e+01	-3.8469e-15	-1.0192e+03	4.4837e-13	-4.9518e+03
	446	1.7251e-12	3.2210e+01	3.8469e-15	1.0192e+03	1.0457e-12	-4.8273e+03
233	428	-3.7558e-13	-3.1542e+01	-3.9956e-15	3.3657e+02	5.1420e-13	-5.2547e+03
	430	3.7558e-13	3.1542e+01	3.9956e-15	-3.3657e+02	4.8385e-13	-4.9721e+03
234	427	-1.1790e-12	-3.3881e+01	-4.8304e-15	-1.7378e+02	5.5276e-13	-5.3579e+03
	428	1.1790e-12	3.3881e+01	4.8304e-15	1.7378e+02	3.6646e-13	-4.9285e+03
235	490	1.0373e-12	-2.7502e+01	-3.1578e-15	-3.5426e+02	-6.0258e-13	-4.6940e+03
	427	-1.0373e-12	2.7502e+01	3.1578e-15	3.5426e+02	1.1706e-12	-3.7004e+03
236	410	1.5410e-12	-1.6509e+01	-7.2088e-15	5.4363e+02	1.3159e-12	-1.9171e+03
	471	-1.5410e-12	1.6509e+01	7.2088e-15	-5.4363e+02	1.7923e-12	-3.2866e+03
237	408	-1.8665e-12	-2.7850e+01	2.3499e-15	4.7700e+02	-8.5478e-13	-3.9700e+03
	410	1.8665e-12	2.7850e+01	-2.3499e-15	-4.7700e+02	4.7897e-13	-4.4849e+03
238	405	-1.9927e-12	-2.6945e+01	-2.3839e-15	8.8278e+02	4.2018e-13	-4.5189e+03
	408	1.9927e-12	2.6945e+01	2.3839e-15	-8.8278e+02	2.5818e-13	-5.0246e+03
239	404	-2.9723e-12	-4.1557e+01	4.6129e-15	7.6366e+02	-9.5048e-13	-6.2468e+03
	405	2.9723e-12	4.1557e+01	-4.6129e-15	-7.6366e+02	-5.5573e-13	-6.3695e+03
240	403	-2.6208e-12	-3.2884e+01	1.8826e-15	6.3301e+02	-2.1545e-13	-5.7861e+03
	404	2.6208e-12	3.2884e+01	-1.8826e-15	-6.3301e+02	-3.7504e-13	-5.8610e+03
241	402	-2.9723e-12	-4.4884e+01	2.0183e-15	7.0743e+02	3.3297e-13	-6.8939e+03
	403	2.9723e-12	4.4884e+01	-2.0183e-15	-7.0743e+02	-7.0455e-13	-6.7327e+03
242	401	-2.9723e-12	-4.1276e+01	-3.1874e-15	-4.4185e+02	6.8831e-13	-6.3491e+03
	402	2.9723e-12	4.1276e+01	3.1874e-15	4.4185e+02	3.4693e-13	-6.1834e+03
243	470	-2.9723e-12	-3.8229e+01	5.9519e-15	-9.9738e+02	-8.5655e-13	-6.2025e+03
	401	2.9723e-12	3.8229e+01	-5.9519e-15	9.9738e+02	-2.8985e-13	-5.4034e+03
244	158	8.0339e-13	1.2465e+02	-8.4413e-15	-2.5739e+04	4.6149e-12	3.1024e+04
	405	-8.0339e-13	-1.2465e+02	8.4413e-15	2.5739e+04	-2.4115e-12	3.4905e+04
245	152	6.4482e-13	-7.6307e+01	1.4632e-14	-3.8369e+04	-9.6232e-12	-2.1850e+04
	403	-6.4482e-13	7.6307e+01	-1.4632e-14	3.8369e+04	7.4122e-12	-1.8618e+04
246	160	-4.0219e-13	3.0845e+02	2.0489e-14	-2.3748e+04	-5.0741e-12	7.8717e+04
	410	4.0219e-13	-3.0845e+02	-2.0489e-14	2.3748e+04	-1.0543e-12	8.4432e+04
247	159	3.7363e-13	2.1074e+02	-4.4605e-14	-2.5413e+04	5.6322e-12	5.1422e+04
	408	-3.7363e-13	-2.1074e+02	4.4605e-14	2.5413e+04	7.1053e-12	6.0084e+04
248	157	-3.3500e-13	2.7911e+01	2.7092e-14	-2.5552e+04	-1.0938e-12	6.0747e+03

	404	3.3500e-13	-2.7911e+01	-2.7092e-14	2.5552e+04	-3.3404e-12	8.8167e+03
249	150	6.6370e-13	-1.1908e+02	-2.1547e-14	-3.5496e+04	6.9480e-12	-3.1005e+04
	402	-6.6370e-13	1.1908e+02	2.1547e-14	3.5496e+04	1.4683e-12	-3.2200e+04
250	149	-3.6091e-13	-1.8098e+02	-2.6868e-14	-3.7127e+04	1.0925e-11	-4.9913e+04
	401	3.6091e-13	1.8098e+02	2.6868e-14	3.7127e+04	6.4697e-12	-4.5913e+04
332	172	2.4262e-12	2.1357e+02	2.3716e-14	1.0430e+04	-2.2263e-12	1.6990e+04
	489	-2.4262e-12	-2.1357e+02	-2.3716e-14	-1.0430e+04	-1.9576e-12	4.9616e+04
333	139	7.9454e-13	4.7197e+02	-1.9343e-14	3.3468e+03	2.6615e-12	8.9165e+04
	172	-7.9454e-13	-4.7197e+02	1.9343e-14	-3.3468e+03	1.5234e-12	5.8591e+04
334	179	8.3543e-12	6.9114e+02	-1.0334e-12	4.4345e+04	6.6834e-11	5.4394e+04
	57	-8.3543e-12	-6.9114e+02	1.0334e-12	-4.4345e+04	1.3220e-10	1.6084e+05
335	259	-2.1853e-11	6.7779e+02	2.2958e-13	4.2391e+03	-6.5912e-11	1.5122e+05
	179	2.1853e-11	-6.7779e+02	-2.2958e-13	-4.2391e+03	-3.7654e-12	6.0958e+04
336	2	-1.6276e-11	1.8069e+01	-1.1457e-13	5.2962e+03	-5.8245e-11	2.6982e+03
	3	1.6276e-11	-1.8069e+01	1.1457e-13	-5.2962e+03	8.7388e-11	1.3660e+03
337	54	-1.6709e-11	-1.7345e+01	-4.6289e-13	-4.7876e+03	-1.3126e-10	-2.5210e+03
	4	1.6709e-11	1.7345e+01	4.6289e-13	4.7876e+03	1.4645e-10	-1.3934e+03
338	56	-7.3326e-12	7.1075e+01	-1.2760e-13	-7.6264e+03	3.4968e-11	7.8416e+03
	55	7.3326e-12	-7.1075e+01	1.2760e-13	7.6264e+03	-3.2619e-11	8.0460e+03
339	59	-1.4721e-11	-5.9320e+01	2.6863e-13	6.8116e+03	-6.0072e-11	-8.0868e+03
	57	1.4721e-11	5.9320e+01	-2.6863e-13	-6.8116e+03	2.9394e-11	-5.1826e+03
340	71	6.3052e-11	4.0455e+04	2.0381e-10	1.2980e+05	-2.4013e-10	3.0480e+05
	68	-6.3052e-11	-4.0455e+04	-2.0381e-10	-1.2980e+05	-3.3346e-11	2.6752e+05
341	66	2.3395e-10	-3.9582e+04	6.0104e-11	1.3147e+05	-2.4805e-10	-2.9289e+05
	69	-2.3395e-10	3.9582e+04	-6.0104e-11	-1.3147e+05	-2.6135e-10	-2.6712e+05
342	72	-1.8516e-12	1.8828e+00	-1.1405e-13	5.6326e+03	7.7524e-12	3.3694e+02
	73	1.8516e-12	-1.8828e+00	1.1405e-13	-5.6326e+03	1.6289e-11	3.8292e+02
343	180	-1.4745e-10	-4.3689e+03	-2.9331e-11	-2.2469e+05	2.3487e-10	2.1911e+05
	72	1.4745e-10	4.3689e+03	2.9331e-11	2.2469e+05	4.8798e-10	-3.1178e+05
344	63	2.9122e-11	-4.3689e+03	-2.3699e-13	-5.4001e+03	7.3896e-12	-4.1581e+05
	180	-2.9122e-11	4.3689e+03	2.3699e-13	5.4001e+03	3.7570e-12	-3.1379e+05
345	62	4.3201e-12	-6.6474e+01	-2.4353e-14	-4.2967e+03	1.1832e-12	-8.0905e+03
	63	-4.3201e-12	6.6474e+01	2.4353e-14	4.2967e+03	5.1609e-12	-9.8703e+03
346	65	-1.2021e-10	-5.3852e+04	-4.1545e-11	1.6254e+05	9.3189e-10	-5.6249e+05
	62	1.2021e-10	5.3852e+04	4.1545e-11	-1.6254e+05	-7.0925e-10	-5.7997e+05
347	64	2.7298e-12	-4.8545e+00	-5.9377e-14	8.8358e+03	-2.1840e-11	-2.2506e+03
	65	-2.7298e-12	4.8545e+00	5.9377e-14	-8.8358e+03	2.9243e-11	8.9083e+02
348	249	2.1297e-11	-4.4369e+03	3.6078e-15	-3.1074e+04	1.4552e-11	-6.3766e+05
	248	-2.1297e-11	4.4369e+03	-3.6078e-15	3.1074e+04	-1.4559e-11	-7.5996e+05
349	233	-2.8296e-11	-4.7798e+03	1.2815e-13	7.8284e+03	-1.4581e-11	-7.4761e+05
	249	2.8296e-11	4.7798e+03	-1.2815e-13	-7.8284e+03	-1.4560e-11	-7.7239e+05
350	262	6.8463e-12	-4.4874e+03	1.2801e-13	-1.0028e+04	-1.6341e-11	-6.7010e+05
	233	-6.8463e-12	4.4874e+03	-1.2801e-13	1.0028e+04	-8.2421e-12	-7.5693e+05
351	263	1.3442e-11	-2.6098e+03	2.9438e-14	2.2465e+04	-1.9105e-12	-4.1879e+05
	262	-1.3442e-11	2.6098e+03	-2.9438e-14	-2.2465e+04	-3.7571e-12	-4.1114e+05
352	264	-3.5771e-11	-3.9072e+03	3.2026e-14	-9.6744e+03	-1.9282e-12	-6.7611e+05
	263	3.5771e-11	3.9072e+03	-3.2026e-14	9.6744e+03	-6.6457e-12	-5.9380e+05
353	265	-3.1415e-12	-5.0126e+03	7.3249e-15	-5.8970e+03	-1.0300e-11	-7.9047e+05
	264	3.1415e-12	5.0126e+03	-7.3249e-15	5.8970e+03	7.3888e-12	-8.0603e+05
354	258	1.2419e-12	-4.6323e+03	5.6846e-14	2.6864e+04	-3.2770e-11	-7.4120e+05

	265	-1.2419e-12	4.6323e+03	-5.6846e-14	-2.6864e+04	1.5123e-11	-7.0872e+05
355	243	1.7766e-11	-3.8805e+03	-1.1550e-13	-1.5688e+04	6.5515e-11	-6.1502e+05
	258	-1.7766e-11	3.8805e+03	1.1550e-13	1.5688e+04	-3.2818e-11	-5.9246e+05
356	260	1.8750e-12	1.5187e+03	2.5486e-13	-1.0736e+03	-5.8378e-11	2.3485e+05
	259	-1.8750e-12	-1.5187e+03	-2.5486e-13	1.0736e+03	-3.2856e-11	2.4887e+05
357	65	-3.0072e-11	6.2374e+03	-9.4489e-13	-1.0196e+04	6.5918e-11	5.3821e+05
	260	3.0072e-11	-6.2374e+03	9.4489e-13	1.0196e+04	1.1846e-10	5.2006e+05
358	257	1.4688e-11	-1.3654e+03	2.3652e-13	1.7770e+04	-6.5637e-11	-2.1288e+05
	3	-1.4688e-11	1.3654e+03	-2.3652e-13	-1.7770e+04	-6.5610e-11	-2.2454e+05
359	261	-1.0345e-11	-1.3906e+03	2.8425e-14	8.0216e+03	-6.5838e-11	-2.2013e+05
	257	1.0345e-11	1.3906e+03	-2.8425e-14	-8.0216e+03	4.5546e-12	-2.2209e+05
360	72	2.2204e-11	-1.5628e+03	1.7547e-14	7.7292e+03	-1.2711e-13	-2.5716e+05
	261	-2.2204e-11	1.5628e+03	-1.7547e-14	-7.7292e+03	-6.5308e-13	-2.5130e+05
369	241	-1.9559e-12	-1.7036e+03	9.3975e-13	1.9460e+04	-5.4629e-12	-2.6329e+05
	4	1.9559e-12	1.7036e+03	-9.3975e-13	-1.9460e+04	-5.4582e-12	-2.8246e+05
370	245	2.1848e-11	-1.9823e+03	2.5421e-13	7.5465e+03	-2.5421e-13	-3.1386e+05
	241	-2.1848e-11	1.9823e+03	-2.5421e-13	-7.5465e+03	-9.4435e-13	-3.1651e+05
371	240	7.7774e-12	-2.0055e+03	-1.0741e-14	6.8633e+03	-9.2360e-13	-3.1847e+05
	245	-7.7774e-12	2.0055e+03	1.0741e-14	-6.8633e+03	4.0741e-12	-3.1928e+05
372	246	1.4582e-11	-2.0039e+03	6.6014e-14	6.3456e+03	-1.6397e-11	-3.1886e+05
	240	-1.4582e-11	2.0039e+03	-6.6014e-14	-6.3456e+03	-1.5107e-11	-3.1837e+05
373	242	1.5266e-11	-1.9510e+03	1.3005e-14	7.4105e+03	2.9392e-11	-3.2001e+05
	246	-1.5266e-11	1.9510e+03	-1.3005e-14	-7.4105e+03	-3.0045e-11	-3.1407e+05
374	214	-3.6488e-11	-1.0277e+03	1.1485e-13	-7.9974e+03	-2.9416e-11	-1.1304e+05
	242	3.6488e-11	1.0277e+03	-1.1485e-13	7.9974e+03	-2.9232e-11	-2.1430e+05
375	213	8.1855e-12	-3.6164e+02	5.1204e-13	-5.0957e+03	-6.6387e-11	-5.8302e+04
	214	-8.1855e-12	3.6164e+02	-5.1204e-13	5.0957e+03	-6.5230e-11	-5.4895e+04
376	55	-2.9475e-11	-8.9599e+02	-4.6027e-13	4.9739e+04	4.0674e-12	-2.0563e+05
	213	2.9475e-11	8.9599e+02	4.6027e-13	-4.9739e+04	6.5635e-11	-7.3400e+04
385	179	-3.7844e-12	-2.0693e+02	-1.1377e-13	2.8902e+04	5.4946e-11	-4.8625e+04
	258	3.7844e-12	2.0693e+02	1.1377e-13	-2.8902e+04	5.8386e-11	-5.8779e+04
386	253	2.9132e-11	-2.0780e+02	2.4117e-13	-8.4774e+04	-4.6954e-10	-4.5901e+04
	179	-2.9132e-11	2.0780e+02	-2.4117e-13	8.4774e+04	4.6572e-10	5.7136e+03
387	250	-1.0341e-11	2.2454e+03	9.1315e-13	6.8554e+04	-6.5338e-11	1.1953e+05
	72	1.0341e-11	-2.2454e+03	-9.1315e-13	-6.8554e+04	-6.5591e-11	2.8159e+05
388	70	2.3296e-11	-6.5965e+03	5.1418e-13	1.2993e+04	-3.0192e-11	-4.4284e+05
	73	-2.3296e-11	6.5965e+03	-5.1418e-13	-1.2993e+04	-4.1202e-11	-5.3258e+05
389	67	1.8424e-11	8.1788e+02	1.2254e-13	1.3644e+04	3.7067e-12	6.5003e+04
	70	-1.8424e-11	-8.1788e+02	-1.2254e-13	-1.3644e+04	-2.4138e-11	7.6525e+04
390	64	-2.9401e-11	-5.5465e+03	6.6272e-13	1.0998e+04	-8.1617e-11	-4.5318e+05
	67	2.9401e-11	5.5465e+03	-6.6272e-13	-1.0998e+04	-7.8981e-11	-3.6698e+05
391	67	-1.3352e-12	8.8465e+02	5.0040e-12	-2.9232e+04	-2.3343e-10	7.6893e+04
	263	1.3352e-12	-8.8465e+02	-5.0040e-12	2.9232e+04	-2.3822e-10	7.2128e+04
392	73	7.3397e-12	-9.9357e+02	2.0791e-12	-8.7052e+04	-9.5035e-11	-8.2385e+04
	262	-7.3397e-12	9.9357e+02	-2.0791e-12	8.7052e+04	-5.3660e-11	-6.8808e+04
393	257	3.2312e-13	1.6792e+02	3.5539e-14	-1.3550e+04	1.4861e-11	4.5232e+04
	249	-3.2312e-13	-1.6792e+02	-3.5539e-14	1.3550e+04	-4.4347e-11	4.1929e+04
394	256	4.5917e-13	-5.3794e+02	9.1833e-13	3.4474e+04	-2.3295e-10	-5.3570e+04
	257	-4.5917e-13	5.3794e+02	-9.1833e-13	-3.4474e+04	1.1653e-10	-5.0549e+04
395	261	-8.2398e-12	8.4363e+01	-4.1621e-14	-1.3032e+04	-3.2966e-11	2.2110e+04

	233	8.2398e-12	-8.4363e+01	4.1621e-14	1.3032e+04	8.0127e-11	2.1682e+04
396	252	4.6960e-13	-3.1386e+02	3.4226e-13	3.8285e+04	-2.3298e-10	-3.0231e+04
	261	-4.6960e-13	3.1386e+02	-3.4226e-13	-3.8285e+04	1.3021e-10	-3.0568e+04
397	260	4.0769e-12	8.8889e+01	-2.3710e-13	-1.0835e+04	1.3849e-10	2.2792e+04
	264	-4.0769e-12	-8.8889e+01	2.3710e-13	1.0835e+04	-1.3210e-10	2.3443e+04
398	254	-1.0926e-11	-1.3104e+03	-4.0682e-12	2.9489e+04	-8.1506e-12	-1.2153e+05
	260	1.0926e-11	1.3104e+03	4.0682e-12	-2.9489e+04	9.3916e-10	-1.3209e+05
399	243	1.6404e-11	-2.1582e+03	2.9365e-14	6.1376e+04	-2.0171e-11	-5.0072e+05
	55	-1.6404e-11	2.1582e+03	-2.9365e-14	-6.1376e+04	1.5564e-11	-6.7982e+05
400	57	1.9295e-12	-2.6317e+03	3.1846e-14	-3.1232e+04	-9.5647e-12	-7.4434e+05
	243	-1.9295e-12	2.6317e+03	-3.1846e-14	3.1232e+04	-9.2953e-12	-5.5573e+05
401	248	-4.7218e-13	1.0447e+03	-2.8716e-14	4.1325e+04	1.1416e-11	1.8880e+05
	4	4.7218e-13	-1.0447e+03	2.8716e-14	-4.1325e+04	1.4594e-11	3.7224e+05
402	3	1.4559e-11	1.3296e+03	-8.5277e-14	-1.5251e+04	1.4723e-11	4.3426e+05
	248	-1.4559e-11	-1.3296e+03	8.5277e-14	1.5251e+04	6.6368e-12	2.3594e+05
403	241	9.3749e-13	7.6134e+02	-3.6455e-12	-5.4375e+04	1.6941e-10	6.7783e+04
	236	-9.3749e-13	-7.6134e+02	3.6455e-12	5.4375e+04	3.6981e-10	7.9557e+04
404	249	7.2797e-12	1.4156e+02	8.6751e-14	2.8905e+04	-3.8266e-11	3.8713e+04
	241	-7.2797e-12	-1.4156e+02	-8.6751e-14	-2.8905e+04	-4.4739e-11	3.9428e+04
405	245	2.0345e-12	4.6095e+02	6.3680e-12	-4.7061e+04	-1.6270e-11	4.2360e+04
	244	-2.0345e-12	-4.6095e+02	-6.3680e-12	4.7061e+04	-9.7962e-12	4.6834e+04
406	233	-2.2958e-13	9.7478e+01	8.6756e-14	3.5946e+04	-7.3163e-11	2.7815e+04
	245	2.2958e-13	-9.7478e+01	-8.6756e-14	-3.5946e+04	2.1049e-11	2.5997e+04
407	240	8.6441e-14	1.2412e+02	-1.8261e-12	-4.6962e+04	1.2022e-10	1.0874e+04
	238	-8.6441e-14	-1.2412e+02	1.8261e-12	4.6962e+04	2.3304e-10	1.3150e+04
408	262	2.2748e-13	7.4639e+01	7.9720e-15	5.2222e+04	-2.5551e-11	2.9364e+04
	240	-2.2748e-13	-7.4639e+01	-7.9720e-15	-5.2222e+04	2.3776e-11	1.3161e+04
409	246	-2.1671e-12	-1.9813e+02	5.4871e-12	-4.9429e+04	-6.2802e-11	-1.8151e+04
	239	2.1671e-12	1.9813e+02	-5.4871e-12	4.9429e+04	-3.5453e-10	-2.0188e+04
410	263	-5.6441e-13	-6.2975e+01	2.8917e-14	4.3807e+04	-7.6367e-11	-1.8744e+04
	246	5.6441e-13	6.2975e+01	-2.8917e-14	-4.3807e+04	4.4484e-11	-1.6271e+04
411	242	8.2264e-12	3.1822e+02	-3.6398e-12	-2.3315e+04	1.1647e-10	2.6713e+04
	247	-8.2264e-12	-3.1822e+02	3.6398e-12	2.3315e+04	1.5110e-11	3.5250e+04
412	264	-1.8367e-12	-1.3298e+02	-3.4148e-13	3.8759e+04	1.4700e-11	-3.6878e+04
	242	1.8367e-12	1.3298e+02	3.4148e-13	-3.8759e+04	1.8998e-11	-3.6530e+04
413	213	1.5000e-11	-6.6705e+02	-1.8375e-12	1.1324e+05	-4.8820e-10	-2.2675e+04
	235	-1.5000e-11	6.6705e+02	1.8375e-12	-1.1324e+05	8.1611e-10	-1.1042e+05
414	258	-1.5002e-11	-1.6797e+02	-3.7391e-13	-2.0656e+04	1.4723e-10	-5.6930e+04
	213	1.5002e-11	1.6797e+02	3.7391e-13	2.0656e+04	1.1864e-10	-3.6201e+04
415	214	3.2542e-11	2.6473e+02	4.5563e-13	1.4536e+05	4.1619e-11	1.2529e+05
	234	-3.2542e-11	-2.6473e+02	-4.5563e-13	-1.4536e+05	-8.8852e-11	-1.0902e+05
416	265	-1.0303e-11	-5.0959e+02	-8.5797e-15	-2.2893e+04	2.5733e-11	-1.5082e+05
	214	1.0303e-11	5.0959e+02	8.5797e-15	2.2893e+04	-1.4669e-11	-1.3061e+05
417	259	-3.6734e-12	-4.4017e+02	-4.4073e-14	-2.4069e+04	5.7707e-12	-1.1657e+05
	265	3.6734e-12	4.4017e+02	4.4073e-14	2.4069e+04	2.2162e-11	-1.1194e+05
418	255	2.1360e-12	-1.5273e+03	5.0862e-13	3.6414e+04	4.1936e-11	-1.7939e+05
	259	-2.1360e-12	1.5273e+03	-5.0862e-13	-3.6414e+04	-1.3027e-10	-1.1819e+05
419	177	8.8540e-11	6.9568e+02	-2.2810e-12	5.1692e+04	1.5029e-11	5.6667e+04
	81	-8.8540e-11	-6.9568e+02	2.2810e-12	-5.1692e+04	4.8034e-10	1.6001e+05
420	301	-2.0347e-12	7.0875e+02	1.3323e-15	3.1454e+03	5.8350e-11	1.5659e+05

	177	2.0347e-12	-7.0875e+02	-1.3323e-15	-3.1454e+03	-5.8351e-11	6.5276e+04
421	165	-2.0345e-12	1.8602e+01	-5.0848e-13	5.9839e+03	1.7718e-10	3.2334e+03
	164	2.0345e-12	-1.8602e+01	5.0848e-13	-5.9839e+03	-5.8689e-11	9.6979e+02
422	125	2.9118e-11	-2.1637e+01	1.8192e-12	-5.4523e+03	-1.2012e-10	-3.0838e+03
	124	-2.9118e-11	2.1637e+01	-1.8192e-12	5.4523e+03	-1.9545e-10	-1.7748e+03
423	75	-5.8272e-11	-8.5850e+00	-6.4342e-13	-1.0136e+04	6.5187e-11	-1.7561e+03
	74	5.8272e-11	8.5850e+00	6.4342e-13	1.0136e+04	8.2324e-11	-1.1254e+03
424	80	-2.9388e-11	9.8165e+00	-2.3481e-13	7.4667e+03	1.3062e-10	2.9088e+03
	81	2.9388e-11	-9.8165e+00	2.3481e-13	-7.4667e+03	-6.0006e-11	-1.3729e+03
425	112	2.3352e-10	3.4519e+04	-3.4955e-10	1.0108e+05	9.6398e-10	2.7563e+05
	105	-2.3352e-10	-3.4519e+04	3.4955e-10	-1.0108e+05	9.3858e-10	2.1290e+05
426	99	-5.9383e-10	-3.1589e+04	-1.3061e-10	9.2747e+04	6.6134e-10	-2.4811e+05
	106	5.9383e-10	3.1589e+04	1.3061e-10	-9.2747e+04	5.2307e-10	-1.9918e+05
427	117	8.1420e-12	-2.0186e+00	6.3949e-14	6.5755e+03	-5.1112e-11	-3.8141e+02
	118	-8.1420e-12	2.0186e+00	-6.3949e-14	-6.5755e+03	4.4270e-11	-3.9044e+02
428	178	4.1162e-10	-4.5775e+03	1.2007e-10	-2.3303e+05	1.8626e-09	2.3071e+05
	117	-4.1162e-10	4.5775e+03	-1.2007e-10	2.3303e+05	-2.8325e-09	-3.2781e+05
429	93	9.1701e-13	-4.5775e+03	-5.1184e-13	-5.2590e+03	1.8305e-12	-4.3657e+05
	178	-9.1701e-13	4.5775e+03	5.1184e-13	5.2590e+03	2.5878e-12	-3.2788e+05
430	94	-2.9104e-11	-3.4124e+01	3.0263e-14	-5.3308e+03	-3.6899e-12	-3.3764e+03
	93	2.9104e-11	3.4124e+01	-3.0263e-14	5.3308e+03	-3.9714e-12	-5.8827e+03
431	86	-1.6501e-10	-3.8195e+04	-3.1386e-10	1.1035e+05	9.4321e-10	-3.9063e+05
	94	1.6501e-10	3.8195e+04	3.1386e-10	-1.1035e+05	1.8663e-09	-4.1988e+05
432	87	3.6686e-12	-7.6230e+00	1.2736e-13	8.0961e+03	-3.0058e-11	-1.7632e+03
	86	-3.6686e-12	7.6230e+00	-1.2736e-13	-8.0961e+03	-1.4674e-11	-1.8088e+03
433	298	2.6093e-11	-4.8082e+03	5.0847e-13	-3.6137e+04	-1.8367e-12	-6.9830e+05
	309	-2.6093e-11	4.8082e+03	-5.0847e-13	3.6137e+04	-1.8261e-12	-8.1627e+05
434	325	5.8272e-11	-5.3745e+03	5.0907e-13	1.0089e+04	-5.8236e-11	-8.4171e+05
	298	-5.8272e-11	5.3745e+03	-5.0907e-13	-1.0089e+04	-5.8208e-11	-8.6738e+05
435	304	-3.1112e-11	-4.9672e+03	4.6913e-13	-1.2435e+04	-4.1370e-11	-7.3741e+05
	325	3.1112e-11	4.9672e+03	-4.6913e-13	1.2435e+04	-1.4758e-11	-8.4219e+05
436	299	8.2712e-12	-3.0267e+03	6.3851e-14	2.5688e+04	-3.0038e-11	-4.8329e+05
	304	-8.2712e-12	3.0267e+03	-6.3851e-14	-2.5688e+04	2.3038e-11	-4.7920e+05
437	332	-6.3947e-11	-4.4052e+03	2.8604e-14	-1.2805e+04	1.3250e-11	-7.6745e+05
	299	6.3947e-11	4.4052e+03	-2.8604e-14	1.2805e+04	-3.6405e-11	-6.6433e+05
438	333	-7.2904e-12	-5.5559e+03	-1.1374e-13	-6.3306e+03	6.5104e-11	-8.7609e+05
	332	7.2904e-12	5.5559e+03	1.1374e-13	6.3306e+03	-1.4672e-11	-8.9346e+05
439	306	-2.0220e-11	-5.2475e+03	-4.5497e-13	3.3080e+04	6.5383e-11	-8.3835e+05
	333	2.0220e-11	5.2475e+03	4.5497e-13	-3.3080e+04	5.8463e-11	-8.0414e+05
440	316	7.2464e-11	-4.2003e+03	-2.2794e-13	-1.6185e+04	-8.2839e-11	-6.5160e+05
	306	-7.2464e-11	4.2003e+03	2.2794e-13	1.6185e+04	1.2025e-10	-6.5538e+05
441	305	5.8236e-11	1.5893e+03	3.1845e-14	1.3983e+03	-1.3032e-10	2.4603e+05
	301	-5.8236e-11	-1.5893e+03	-3.1845e-14	-1.3983e+03	5.8236e-11	2.6017e+05
442	86	-1.2001e-10	6.5066e+03	-4.6396e-12	-1.1769e+04	2.4031e-10	5.6660e+05
	305	1.2001e-10	-6.5066e+03	4.6396e-12	1.1769e+04	2.9170e-10	5.3734e+05
443	311	6.0006e-11	-1.4132e+03	4.5852e-13	2.1841e+04	1.1760e-10	-2.2072e+05
	164	-6.0006e-11	1.4132e+03	-4.5852e-13	-2.1841e+04	-2.6074e-10	-2.3202e+05
444	312	-3.2871e-11	-1.4229e+03	1.7764e-15	9.7734e+03	-2.3300e-10	-2.2542e+05
	311	3.2871e-11	1.4229e+03	-1.7764e-15	-9.7734e+03	1.1643e-10	-2.2708e+05
445	117	9.1127e-13	-1.5949e+03	2.8447e-14	9.0569e+03	4.0753e-12	-2.6181e+05

	312	-9.1127e-13	1.5949e+03	-2.8447e-14	-9.0569e+03	-2.9119e-11	-2.5709e+05
454	318	-7.2767e-11	-1.8254e+03	1.2916e-12	2.3408e+04	-3.6398e-12	-2.8107e+05
	124	7.2767e-11	1.8254e+03	-1.2916e-12	-2.3408e+04	-2.5421e-13	-3.0371e+05
455	322	-1.4665e-11	-2.1283e+03	-1.4218e-14	9.7631e+03	3.6733e-12	-3.3721e+05
	318	1.4665e-11	2.1283e+03	1.4218e-14	-9.7631e+03	1.8331e-12	-3.3960e+05
456	327	2.9471e-11	-2.1539e+03	-1.4364e-14	8.7879e+03	-1.8199e-12	-3.4197e+05
	322	-2.9471e-11	2.1539e+03	1.4364e-14	-8.7879e+03	2.9104e-11	-3.4298e+05
457	315	2.9175e-11	-2.1537e+03	3.2205e-13	7.8958e+03	-1.5027e-11	-3.4271e+05
	327	-2.9175e-11	2.1537e+03	-3.2205e-13	-7.8958e+03	-2.9145e-11	-3.4217e+05
458	328	7.3267e-11	-2.0859e+03	2.2760e-13	9.0807e+03	-5.8714e-11	-3.4190e+05
	315	-7.3267e-11	2.0859e+03	-2.2760e-13	-9.0807e+03	-6.5201e-11	-3.3602e+05
459	287	-4.3807e-11	-1.1123e+03	-3.1829e-14	-1.0982e+04	5.8273e-11	-1.2366e+05
	328	4.3807e-11	1.1123e+03	3.1829e-14	1.0982e+04	-4.0753e-12	-2.3060e+05
460	270	-2.9806e-11	-4.1380e+02	1.0174e-12	-4.4879e+03	-1.6484e-10	-6.7596e+04
	287	2.9806e-11	4.1380e+02	-1.0174e-12	4.4879e+03	-7.5042e-12	-6.1928e+04
461	74	8.7355e-11	-8.9809e+02	1.2894e-12	5.5270e+04	-3.6468e-12	-2.0318e+05
	270	-8.7355e-11	8.9809e+02	-1.2894e-12	-5.5270e+04	-1.6270e-11	-7.6515e+04
470	177	-1.0176e-12	-2.5472e+02	1.4218e-14	3.1867e+04	4.4342e-11	-5.8658e+04
	306	1.0176e-12	2.5472e+02	-1.4218e-14	-3.1867e+04	-1.7466e-10	-7.3543e+04
471	313	-2.9401e-11	-2.7412e+02	-1.1396e-13	-8.8264e+04	4.6589e-10	-6.0006e+04
	177	2.9401e-11	2.7412e+02	1.1396e-13	8.8264e+04	-2.3294e-10	7.1061e+03
472	303	-3.2577e-11	2.2110e+03	3.6424e-12	6.5954e+04	-4.6985e-10	1.2112e+05
	117	3.2577e-11	-2.2110e+03	-3.6424e-12	-6.5954e+04	-3.5048e-10	2.7384e+05
473	111	-2.0600e-11	-7.3017e+03	8.0648e-14	1.8054e+04	5.1790e-12	-4.9667e+05
	118	2.0600e-11	7.3017e+03	-8.0648e-14	-1.8054e+04	-1.3250e-11	-5.8306e+05
474	100	1.4573e-10	1.0676e+03	-2.4454e-13	1.2791e+04	4.1257e-11	8.5907e+04
	111	-1.4573e-10	-1.0676e+03	2.4454e-13	-1.2791e+04	3.0392e-11	9.8836e+04
475	87	7.3130e-11	-6.2342e+03	-9.2168e-13	1.5588e+04	1.1027e-10	-5.0339e+05
	100	-7.3130e-11	6.2342e+03	9.2168e-13	-1.5588e+04	1.2543e-11	-4.1846e+05
476	100	3.6678e-12	1.0609e+03	1.1140e-12	-3.2413e+04	-4.4063e-10	9.3623e+04
	299	-3.6678e-12	-1.0609e+03	-1.1140e-12	3.2413e+04	1.4721e-10	8.5083e+04
477	118	1.0185e-12	-1.1329e+03	-8.3008e-12	-8.5927e+04	2.1685e-10	-9.3138e+04
	304	-1.0185e-12	1.1329e+03	8.3008e-12	8.5927e+04	6.1011e-11	-7.9248e+04
478	311	-1.2865e-12	2.0584e+02	-3.5960e-13	-1.1647e+04	2.6334e-11	5.5276e+04
	298	1.2865e-12	-2.0584e+02	3.5960e-13	1.1647e+04	8.7346e-11	5.1562e+04
479	307	-1.8261e-12	-6.8082e+02	4.0706e-12	3.2824e+04	-2.6031e-10	-6.8034e+04
	311	1.8261e-12	6.8082e+02	-4.0706e-12	-3.2824e+04	-3.3136e-10	-6.3709e+04
480	312	-2.0625e-11	9.9869e+01	-5.7324e-14	-1.1401e+04	-4.4268e-11	2.6179e+04
	325	2.0625e-11	-9.9869e+01	5.7324e-14	1.1401e+04	8.7317e-11	2.5660e+04
481	300	-2.9161e-11	-3.9529e+02	-3.6416e-12	3.8126e+04	6.9914e-10	-3.8322e+04
	312	2.9161e-11	3.9529e+02	3.6416e-12	-3.8126e+04	1.1755e-10	-3.8185e+04
482	305	-7.2797e-12	1.1571e+02	1.1370e-13	-9.5247e+03	6.0693e-11	2.9689e+04
	332	7.2797e-12	-1.1571e+02	-1.1370e-13	9.5247e+03	-6.5515e-11	3.0491e+04
483	302	-1.4644e-11	-1.5947e+03	3.6542e-12	2.8073e+04	5.2164e-10	-1.4835e+05
	305	1.4644e-11	1.5947e+03	-3.6542e-12	-2.8073e+04	-1.4175e-09	-1.6028e+05
484	316	3.2783e-11	-2.5446e+03	-4.2863e-14	5.9438e+04	1.4559e-11	-6.0550e+05
	74	-3.2783e-11	2.5446e+03	4.2863e-14	-5.9438e+04	1.4673e-11	-7.8639e+05
485	81	2.9104e-11	-3.2370e+03	6.5227e-14	-2.8398e+04	1.3129e-11	-8.9886e+05
	316	-2.9104e-11	3.2370e+03	-6.5227e-14	2.8398e+04	-3.6403e-11	-7.0022e+05
486	309	-1.4552e-11	1.2942e+03	-8.5929e-14	4.5628e+04	1.4729e-11	2.3663e+05

	124	1.4552e-11	-1.2942e+03	8.5929e-14	-4.5628e+04	1.8295e-11	4.5850e+05
487	164	2.9104e-11	1.7035e+03	3.4240e-14	-1.4416e+04	-3.0008e-11	5.4735e+05
	309	-2.9104e-11	-1.7035e+03	-3.4240e-14	1.4416e+04	2.2768e-12	3.1128e+05
488	318	-5.8208e-11	8.4536e+02	5.4582e-12	-5.4622e+04	-4.2072e-10	7.6333e+04
	317	5.8208e-11	-8.4536e+02	-5.4582e-12	5.4622e+04	-9.6057e-10	8.7258e+04
489	298	-2.9122e-11	1.7567e+02	-4.5564e-13	2.9754e+04	3.3358e-11	4.7622e+04
	318	2.9122e-11	-1.7567e+02	4.5564e-13	-2.9754e+04	9.3046e-11	4.9350e+04
490	322	-2.0337e-12	5.1532e+02	-5.7701e-12	-4.7184e+04	1.4552e-11	4.8140e+04
	324	2.0337e-12	-5.1532e+02	5.7701e-12	4.7184e+04	9.3144e-10	5.1576e+04
491	325	-1.4561e-11	1.1915e+02	-3.6022e-13	3.7170e+04	4.3807e-11	3.3603e+04
	322	1.4561e-11	-1.1915e+02	3.6022e-13	-3.7170e+04	6.0285e-11	3.2171e+04
492	327	4.6637e-13	1.1028e+02	7.2771e-12	-4.6650e+04	-4.6566e-10	9.7551e+03
	331	-4.6637e-13	-1.1028e+02	-7.2771e-12	4.6650e+04	-2.3329e-10	1.1593e+04
493	304	-6.8287e-13	9.3180e+01	-5.6908e-14	5.5607e+04	3.9123e-12	3.4931e+04
	327	6.8287e-13	-9.3180e+01	5.6908e-14	-5.5607e+04	1.4709e-11	1.7781e+04
494	315	-7.1307e-12	-2.5890e+02	-5.7536e-12	-4.9190e+04	1.1886e-09	-2.3724e+04
	319	7.1307e-12	2.5890e+02	5.7536e-12	4.9190e+04	-7.3764e-10	-2.6377e+04
495	299	-2.5663e-12	-8.1814e+01	-2.2782e-13	4.7066e+04	2.9684e-10	-2.4073e+04
	315	2.5663e-12	8.1814e+01	2.2782e-13	-4.7066e+04	-1.7042e-10	-2.1371e+04
496	328	-1.6444e-12	4.0437e+02	-9.2751e-12	-2.0530e+04	1.4554e-11	3.4379e+04
	310	1.6444e-12	-4.0437e+02	9.2751e-12	2.0530e+04	2.9104e-11	4.4221e+04
497	332	-1.6270e-11	-1.7356e+02	-3.8193e-13	3.9864e+04	1.4846e-10	-4.8088e+04
	328	1.6270e-11	1.7356e+02	3.8193e-13	-3.9864e+04	1.6026e-10	-4.7718e+04
498	270	6.5307e-11	-6.6701e+02	-1.4580e-11	1.2485e+05	5.2473e-10	-1.7458e+04
	323	-6.5307e-11	6.6701e+02	1.4580e-11	-1.2485e+05	4.7378e-10	-1.1901e+05
499	306	1.4700e-11	-2.2013e+02	5.6861e-13	-2.1849e+04	-2.0868e-10	-7.4075e+04
	270	-1.4700e-11	2.2013e+02	-5.6861e-13	2.1849e+04	-9.7687e-11	-4.7690e+04
500	287	-4.4628e-12	2.6638e+02	-5.4582e-12	1.6052e+05	1.6532e-10	1.4330e+05
	329	4.4628e-12	-2.6638e+02	5.4582e-12	-1.6052e+05	2.6045e-10	-1.4230e+05
501	333	-1.4589e-11	-6.1423e+02	6.1497e-14	-2.5584e+04	-1.8199e-11	-1.8600e+05
	287	1.4589e-11	6.1423e+02	-6.1497e-14	2.5584e+04	-1.0426e-11	-1.5320e+05
502	301	7.2938e-12	-5.9781e+02	-1.4246e-14	-2.1277e+04	2.9643e-11	-1.5606e+05
	333	-7.2938e-12	5.9781e+02	1.4246e-14	2.1277e+04	-1.0452e-11	-1.5428e+05
503	308	-1.1369e-13	-1.9806e+03	4.6960e-13	3.6173e+04	-1.3037e-10	-2.3355e+05
	301	1.1369e-13	1.9806e+03	-4.6960e-13	-3.6173e+04	5.8776e-11	-1.5162e+05
504	173	6.5085e-11	6.0810e+02	-2.0350e-12	4.8593e+04	-4.6577e-10	4.9628e+04
	83	-6.5085e-11	-6.0810e+02	2.0350e-12	-4.8593e+04	7.0816e-10	1.3981e+05
505	350	6.8213e-13	6.1707e+02	-2.8422e-14	2.2398e+03	-1.1065e-11	1.3645e+05
	173	-6.8213e-13	-6.1707e+02	2.8422e-14	-2.2398e+03	1.1693e-10	5.6723e+04
506	174	-5.8215e-11	4.2304e+02	5.4641e-12	3.9812e+04	-4.6578e-10	3.2391e+04
	85	5.8215e-11	-4.2304e+02	-5.4641e-12	-3.9812e+04	-2.3294e-10	9.9571e+04
507	453	1.1645e-10	3.9580e+02	2.0347e-12	4.2160e+03	-3.2945e-10	8.7525e+04
	174	-1.1645e-10	-3.9580e+02	-2.0347e-12	-4.2160e+03	-2.6052e-10	3.6449e+04
508	122	-1.2004e-10	-9.8161e+02	-5.1238e-14	7.0775e+03	7.2804e-12	-1.6152e+05
	461	1.2004e-10	9.8161e+02	5.1238e-14	-7.0775e+03	5.4641e-12	-1.5785e+05
509	475	2.5678e-13	2.3271e+02	3.0395e-15	-2.4977e+04	-1.1851e-12	6.6692e+04
	471	-2.5678e-13	-2.3271e+02	-3.0395e-15	2.4977e+04	-8.8772e-13	5.2977e+04
510	484	1.1773e-12	-2.3583e+02	1.8346e-13	-2.3491e+04	-2.8490e-12	-1.0352e+04
	482	-1.1773e-12	2.3583e+02	-1.8346e-13	2.3491e+04	-1.0051e-11	-1.8414e+04
511	486	1.2266e-13	7.3471e+00	2.1348e-15	-2.8846e+03	6.8420e-14	1.9220e+03

	484	-1.2266e-13	-7.3471e+00	-2.1348e-15	2.8846e+03	-1.3451e-12	2.2076e+03
512	161	3.3300e-12	2.3345e+02	5.8404e-14	-8.3277e+03	-4.5815e-12	1.8535e+04
	486	-3.3300e-12	-2.3345e+02	-5.8404e-14	8.3277e+03	-2.1571e-12	9.9255e+03
513	483	-3.8605e-13	-6.0316e+01	-3.3827e-15	-8.9413e+03	-1.9486e-12	-1.8450e+04
	470	3.8605e-13	6.0316e+01	3.3827e-15	8.9413e+03	2.0567e-12	-1.2524e+04
514	490	-1.2570e-12	-2.4592e+03	2.9995e-13	3.4477e+04	7.0339e-12	-9.6861e+04
	488	1.2570e-12	2.4592e+03	-2.9995e-13	-3.4477e+04	-4.0184e-11	-1.5775e+05
515	479	3.4954e-13	5.5582e+01	-2.1703e-14	4.0887e+03	7.8726e-12	5.5611e+03
	478	-3.4954e-13	-5.5582e+01	2.1703e-14	-4.0887e+03	-2.6905e-12	6.8832e+03
516	475	-5.6362e-13	-5.3735e+01	-2.3845e-14	-6.0421e+02	2.0610e-12	-7.2938e+03
	474	5.6362e-13	5.3735e+01	2.3845e-14	6.0421e+02	1.6649e-12	-4.7630e+03
517	483	3.5413e-13	1.8807e+01	-5.0610e-14	2.5745e+04	7.3357e-12	8.0352e+03
	482	-3.5413e-13	-1.8807e+01	5.0610e-14	-2.5745e+04	7.9781e-12	-6.7877e+03
518	488	4.0420e-13	-2.0561e+01	-7.5266e-15	4.4619e+03	2.8149e-12	-3.2793e+03
	489	-4.0420e-13	2.0561e+01	7.5266e-15	-4.4619e+03	-6.9386e-13	-1.6933e+03
519	497	-1.3907e-11	6.5428e+03	1.2830e-11	4.0574e+04	-1.0585e-10	4.9486e+04
	498	1.3907e-11	-6.5428e+03	-1.2830e-11	-4.0574e+04	-9.8885e-11	4.3949e+04
520	495	7.8240e-12	-7.3266e+03	6.4292e-12	4.3279e+04	-2.9409e-11	-5.7415e+04
	499	-7.8240e-12	7.3266e+03	-6.4292e-12	-4.3279e+04	-6.4546e-11	-4.7183e+04
521	503	2.1385e-13	1.2897e+01	-3.0925e-15	4.8680e+03	1.8546e-12	1.2325e+03
	504	-2.1385e-13	-1.2897e+01	3.0925e-15	-4.8680e+03	-1.1522e-12	3.9942e+03
522	502	-1.3526e-11	-3.5755e+03	1.0012e-12	-1.3585e+05	-8.1442e-11	1.3848e+05
	503	1.3526e-11	3.5755e+03	-1.0012e-12	1.3585e+05	1.3650e-11	-1.9403e+05
523	501	-1.5933e-12	-1.7997e+03	-1.8981e-14	-2.2746e+03	1.3494e-12	-1.8103e+05
	502	1.5933e-12	1.7997e+03	1.8981e-14	2.2746e+03	9.0633e-13	-1.1955e+05
524	500	1.5386e-12	-1.5933e+02	-3.8532e-15	3.5890e+03	8.2937e-13	-3.3981e+04
	501	-1.5386e-12	1.5933e+02	3.8532e-15	-3.5890e+03	6.5637e-13	-1.0348e+04
525	492	2.3763e-11	1.6345e+04	4.7361e-12	5.0900e+04	-4.5224e-11	2.9672e+05
	500	-2.3763e-11	-1.6345e+04	-4.7361e-12	-5.0900e+04	-2.0741e-11	1.1256e+05
526	493	-9.1792e-14	5.0807e+00	-2.8550e-15	3.4506e+03	2.2804e-12	5.7988e+03
	492	9.1792e-14	-5.0807e+00	2.8550e-15	-3.4506e+03	-1.3804e-12	-5.2837e+03
527	489	-1.5140e-13	-1.0232e+02	-8.2455e-15	-9.0877e+03	5.2262e-13	-2.8429e+04
	161	-1.5140e-13	1.0232e+02	8.2455e-15	9.0877e+03	1.2098e-12	-2.2175e+04
528	167	-5.8222e-11	-5.3788e+00	-1.8751e-12	5.5236e+03	1.3017e-10	-1.4621e+03
	166	5.8222e-11	5.3788e+00	1.8751e-12	-5.5236e+03	1.3016e-10	1.4390e+03
529	129	-6.5107e-11	5.4293e+00	-2.5619e-14	-4.8120e+03	-4.6929e-10	9.3617e+02
	128	6.5107e-11	-5.4293e+00	2.5619e-14	4.8120e+03	4.6930e-10	9.8280e+02
530	77	2.9118e-11	1.6206e+01	-1.2864e-12	-9.7199e+03	5.8261e-11	3.2815e+03
	76	-2.9118e-11	-1.6206e+01	1.2864e-12	9.7199e+03	5.8276e-11	5.0729e+02
531	82	6.5086e-11	1.2054e+01	-9.0969e-13	6.7786e+03	-2.6032e-10	3.4333e+03
	83	-6.5086e-11	-1.2054e+01	9.0969e-13	-6.7786e+03	2.9105e-10	-1.2030e+03
532	114	-3.4950e-10	1.2930e+04	-2.3329e-10	-2.3859e+04	2.7964e-09	1.2346e+05
	107	3.4950e-10	-1.2930e+04	2.3329e-10	2.3859e+04	1.9203e-09	6.3582e+04
533	101	-9.3862e-10	-1.2791e+04	-1.3021e-10	-2.5178e+04	-2.7941e-09	-1.1723e+05
	108	9.3862e-10	1.2791e+04	1.3021e-10	2.5178e+04	2.8326e-09	-6.6971e+04
534	119	1.4554e-11	1.4489e+00	-1.1370e-13	6.0956e+03	-1.6280e-11	2.6311e+02
	121	-1.4554e-11	-1.4489e+00	1.1370e-13	-6.0956e+03	9.2036e-11	2.9267e+02
535	176	4.1978e-10	-3.8720e+03	5.8272e-11	-2.0049e+05	2.0834e-09	1.9626e+05
	119	-4.1978e-10	3.8720e+03	-5.8272e-11	2.0049e+05	-2.7944e-09	-2.7839e+05
536	95	5.8212e-11	-3.8720e+03	-4.5493e-13	-5.4596e+03	7.2769e-12	-3.6612e+05

	176	-5.8212e-11	3.8720e+03	4.5493e-13	5.4596e+03	6.5471e-13	-2.8051e+05
537	96	6.0003e-11	1.2150e+01	9.3282e-14	6.6534e+03	-1.8913e-12	1.3320e+03
	95	-6.0003e-11	-1.2150e+01	-9.3282e-14	-6.6534e+03	-7.3232e-12	2.0813e+03
538	88	4.6576e-10	-1.3535e+04	-4.6936e-10	5.2842e+04	4.6698e-10	-1.4012e+05
	96	-4.6576e-10	1.3535e+04	4.6936e-10	-5.2842e+04	2.7941e-09	-1.5136e+05
539	89	-3.6617e-12	-1.9703e+00	-6.8449e-13	6.3449e+03	1.1642e-10	-6.4139e+02
	88	3.6617e-12	1.9703e+00	6.8449e-13	-6.3449e+03	7.3129e-11	-3.3806e+02
540	170	5.8378e-11	-1.6958e+01	-1.0172e-12	4.3736e+03	2.4006e-10	-6.7206e+02
	169	-5.8378e-11	1.6958e+01	1.0172e-12	-4.3736e+03	-1.1642e-10	-3.4725e+03
541	163	5.8265e-11	1.4488e+01	-3.7513e-12	-5.8859e+03	1.1647e-10	1.0067e+03
	162	-5.8265e-11	-1.4488e+01	3.7513e-12	5.8859e+03	5.8210e-11	2.4532e+03
542	79	-9.1127e-13	-3.1972e+01	-1.8192e-12	-1.1779e+04	3.9271e-12	-2.0309e+03
	78	9.1127e-13	3.1972e+01	1.8192e-12	1.1779e+04	2.3284e-10	-5.3619e+03
543	84	-5.8300e-11	3.1618e+01	2.0340e-12	5.8284e+03	-3.5416e-10	1.3626e+03
	85	5.8300e-11	-3.1618e+01	-2.0340e-12	-5.8284e+03	-1.1664e-10	6.1148e+03
544	116	1.3039e+02	-1.5649e+03	1.1237e+03	-3.0618e+04	-6.4012e+04	-2.9067e+04
	109	-1.3039e+02	1.5649e+03	-1.1237e+03	3.0618e+04	4.8257e+04	1.4381e+04
545	103	-1.3061e+02	-1.3930e+03	1.1227e+03	-2.6959e+04	-6.4398e+04	-2.7130e+04
	110	1.3061e+02	1.3930e+03	-1.1227e+03	2.6959e+04	4.8626e+04	1.0302e+04
546	122	2.2826e-13	7.2289e-01	5.7131e-13	3.9507e+03	-1.1091e-10	1.5970e+02
	123	-2.2826e-13	-7.2289e-01	-5.7131e-13	-3.9507e+03	-1.0501e-10	1.7109e+02
547	175	-1.1798e-10	-2.9503e+03	2.6097e-10	-1.4596e+05	-2.0835e-09	1.4361e+05
	122	1.1798e-10	2.9503e+03	-2.6097e-10	1.4596e+05	-8.7397e-11	-2.0619e+05
548	97	8.2398e-11	-2.9503e+03	-9.1038e-13	-4.8803e+03	1.3021e-10	-2.8800e+05
	175	-8.2398e-11	2.9503e+03	9.1038e-13	4.8803e+03	2.7314e-12	-2.0471e+05
549	98	-5.8210e-11	5.1404e+01	6.3765e-14	8.0960e+03	2.4467e-11	5.2696e+03
	97	5.8210e-11	-5.1404e+01	-6.3765e-14	-8.0960e+03	-3.4545e-11	8.6320e+03
550	90	-1.1880e-09	1.4516e+04	3.6834e-10	4.7652e+04	-2.9456e-09	2.0499e+05
	98	1.1880e-09	-1.4516e+04	-3.6834e-10	-4.7652e+04	-2.0829e-09	1.1638e+05
551	92	7.2769e-12	5.4618e+00	9.2544e-13	2.6083e+03	-1.5030e-11	1.7910e+03
	90	-7.2769e-12	-5.4618e+00	-9.2544e-13	-2.6083e+03	-1.5119e-11	4.3318e+02
552	429	4.8535e-11	-2.0292e+03	-4.2670e-14	-3.4072e+04	1.8199e-12	-2.6658e+05
	442	-4.8535e-11	2.0292e+03	4.2670e-14	3.4072e+04	1.8199e-12	-3.7269e+05
553	435	9.2853e-11	-2.5846e+03	1.4282e-14	-2.4572e+03	-1.1643e-10	-3.8391e+05
	429	-9.2853e-11	2.5846e+03	-1.4282e-14	2.4572e+03	5.6843e-14	-4.3806e+05
554	458	1.2815e-11	-2.5164e+03	2.2491e-14	-7.5749e+03	2.7314e-12	-3.7840e+05
	435	-1.2815e-11	2.5164e+03	-2.2491e-14	7.5749e+03	-8.2348e-11	-4.2197e+05
555	467	2.0038e-11	-1.2243e+03	1.1372e-13	2.9770e+04	-3.2616e-11	-1.9834e+05
	458	-2.0038e-11	1.2243e+03	-1.1372e-13	-2.9770e+04	-3.0107e-11	-1.9109e+05
556	449	1.9299e-10	-2.1489e+03	2.2785e-13	-1.0422e+04	-3.0009e-11	-3.6883e+05
	467	-1.9299e-10	2.1489e+03	-2.2785e-13	1.0422e+04	-1.8754e-12	-3.3003e+05
557	447	8.9516e-12	-2.6354e+03	-4.9651e-16	-1.0554e+04	5.8293e-11	-4.1764e+05
	449	-8.9516e-12	2.6354e+03	4.9651e-16	1.0554e+04	-5.8265e-11	-4.2176e+05
558	445	-7.0943e-11	-2.4924e+03	1.0170e-12	2.1040e+04	-2.4011e-10	-4.1274e+05
	447	7.0943e-11	2.4924e+03	-1.0170e-12	-2.1040e+04	-1.1660e-10	-3.6747e+05
559	456	8.9370e-11	-1.7835e+03	2.8763e-12	-2.4740e+04	-4.1993e-10	-2.9520e+05
	445	-8.9370e-11	1.7835e+03	-2.8763e-12	2.4740e+04	-3.2981e-10	-2.5985e+05
560	452	5.8215e-11	9.8250e+02	3.1801e-14	2.9551e+03	-4.0694e-12	1.4842e+05
	453	-5.8215e-11	-9.8250e+02	-3.1801e-14	-2.9551e+03	-6.5634e-12	1.6451e+05
561	90	-5.8243e-11	4.0630e+03	1.8210e-12	-1.1543e+04	3.2980e-10	3.7350e+05

	452	5.8243e-11	-4.0630e+03	-1.8210e-12	1.1543e+04	-4.8036e-10	3.1587e+05
562	424	-1.4383e-12	-7.8459e+02	-4.0686e-12	2.0125e+04	5.2088e-10	-1.1928e+05
	169	1.4383e-12	7.8459e+02	4.0686e-12	-2.0125e+04	2.3399e-10	-1.3209e+05
563	461	1.7465e-10	-8.1625e+02	-1.8201e-12	6.8379e+03	5.1612e-12	-1.2776e+05
	424	-1.7465e-10	8.1625e+02	1.8201e-12	-6.8379e+03	3.2969e-10	-1.3181e+05
572	420	1.7706e-10	-1.0510e+03	5.6878e-14	2.0119e+04	-7.2937e-12	-1.5692e+05
	162	-1.7706e-10	1.0510e+03	-5.6878e-14	-2.0119e+04	-7.3079e-12	-1.7978e+05
573	436	-5.8238e-11	-1.2685e+03	-1.2561e-15	8.3532e+03	-3.6681e-12	-1.9994e+05
	420	5.8238e-11	1.2685e+03	1.2561e-15	-8.3532e+03	1.1647e-10	-2.0345e+05
574	431	-1.7471e-10	-1.2654e+03	1.2879e-12	6.8250e+03	3.2955e-10	-1.9966e+05
	436	1.7471e-10	1.2654e+03	-1.2879e-12	-6.8250e+03	-5.2078e-10	-2.0274e+05
575	440	5.8215e-11	-1.2675e+03	5.1159e-13	5.3763e+03	-3.6402e-12	-2.0279e+05
	431	-5.8215e-11	1.2675e+03	-5.1159e-13	-5.3763e+03	-6.5110e-11	-2.0026e+05
576	422	4.6375e-12	-1.2549e+03	-5.0873e-13	7.0851e+03	6.5132e-11	-2.0728e+05
	440	-4.6375e-12	1.2549e+03	5.0873e-13	-7.0851e+03	6.5231e-11	-2.0056e+05
577	416	-1.2000e-10	-6.6936e+02	1.0177e-12	-7.0238e+03	-1.1649e-10	-7.1777e+04
	422	1.2000e-10	6.6936e+02	-1.0177e-12	7.0238e+03	-1.1654e-10	-1.4142e+05
578	426	5.8280e-11	-1.9166e+02	2.0349e-12	-5.2656e+03	-5.2099e-10	-3.1820e+04
	416	-5.8280e-11	1.9166e+02	-2.0349e-12	5.2656e+03	-3.2964e-10	-2.8217e+04
579	78	-5.8228e-11	-4.6597e+02	2.5732e-12	4.1567e+04	-4.6578e-10	-1.1953e+05
	426	5.8228e-11	4.6597e+02	-2.5732e-12	-4.1567e+04	-4.6600e-10	-2.5813e+04
588	174	-1.8752e-12	-1.8131e+02	-4.5481e-13	1.7737e+04	-1.3016e-10	-4.5725e+04
	445	1.8752e-12	1.8131e+02	4.5481e-13	-1.7737e+04	3.5046e-10	-4.8379e+04
589	432	5.8321e-11	-1.6627e+02	-2.2132e-11	-4.9673e+04	1.0415e-09	-4.0660e+04
	174	-5.8321e-11	1.6627e+02	2.2132e-11	4.9673e+04	2.3744e-09	8.6089e+03
590	439	1.8194e-12	1.3868e+03	-3.6424e-12	3.9636e+04	4.8023e-10	6.1680e+04
	122	-1.8194e-12	-1.3868e+03	3.6424e-12	-3.9636e+04	2.3290e-10	1.8608e+05
591	115	9.2058e-11	-5.1489e+03	-1.8200e-12	1.3444e+04	-2.1837e-11	-3.5663e+05
	123	-9.2058e-11	5.1489e+03	1.8200e-12	-1.3444e+04	4.8089e-10	-4.0486e+05
592	104	2.0438e-10	2.2015e+03	2.0418e-12	1.5632e+04	-1.0609e-11	1.8202e+05
	115	-2.0438e-10	-2.2015e+03	-2.0418e-12	-1.5632e+04	-6.5291e-11	1.9899e+05
593	92	1.1651e-10	-4.2178e+03	4.5721e-12	1.4014e+04	-7.9600e-10	-3.3678e+05
	104	-1.1651e-10	4.2178e+03	-4.5721e-12	-1.4014e+04	4.5498e-10	-2.8704e+05
594	104	2.5678e-11	1.1065e+03	-1.6371e-11	-3.7565e+04	2.3313e-09	1.0097e+05
	467	-2.5678e-11	-1.1065e+03	1.6371e-11	3.7565e+04	1.1671e-09	8.5563e+04
595	123	-9.2009e-13	-1.2786e+03	4.4799e-11	-6.0753e+04	-5.2757e-10	-1.0595e+05
	458	9.2009e-13	1.2786e+03	-4.4799e-11	6.0753e+04	-8.4833e-10	-8.8631e+04
596	424	-3.7518e-12	1.2256e+02	1.0238e-12	-6.9678e+03	-2.9104e-10	3.4781e+04
	429	3.7518e-12	-1.2256e+02	-1.0238e-12	6.9678e+03	-2.9250e-10	2.8849e+04
598	461	-1.0185e-12	6.6714e+01	3.4174e-13	-8.7936e+03	-2.9161e-10	1.8045e+04
	435	1.0185e-12	-6.6714e+01	-3.4174e-13	8.7936e+03	1.3063e-10	1.6594e+04
599	459	2.5764e-12	-1.9085e+02	1.1369e-13	2.6015e+04	4.6657e-10	-1.9010e+04
	461	-2.5764e-12	1.9085e+02	-1.1369e-13	-2.6015e+04	-4.6772e-10	-1.7969e+04
600	452	-1.4570e-11	6.5967e+01	-1.2569e-12	-4.7743e+03	4.9673e-10	1.8717e+04
	449	1.4570e-11	-6.5967e+01	1.2569e-12	4.7743e+03	4.6929e-10	1.5692e+04
601	423	4.1209e-11	-1.0304e+03	8.1406e-12	7.0756e+03	-8.4005e-10	-9.3939e+04
	452	-4.1209e-11	1.0304e+03	-8.1406e-12	-7.0756e+03	-4.6595e-10	-1.0550e+05
602	456	-2.9133e-11	-1.7383e+03	3.4226e-13	4.3005e+04	-1.4581e-11	-3.6314e+05
	78	2.9133e-11	1.7383e+03	-3.4226e-13	-4.3005e+04	-5.8338e-11	-5.8774e+05
603	85	-8.2363e-11	-2.2669e+03	8.0595e-14	-1.9635e+04	2.6249e-11	-6.8305e+05

	456	8.2363e-11	2.2669e+03	-8.0595e-14	1.9635e+04	-7.2767e-11	-4.3689e+05
604	442	8.2429e-11	8.3565e+02	1.1724e-13	3.2342e+04	-2.9193e-11	1.1407e+05
	162	-8.2429e-11	-8.3565e+02	-1.1724e-13	-3.2342e+04	-5.8396e-11	3.3533e+05
605	169	3.7521e-12	1.2096e+03	6.3607e-14	-1.1748e+04	5.2472e-11	4.2208e+05
	442	-3.7521e-12	-1.2096e+03	-6.3607e-14	1.1748e+04	-8.8558e-11	1.8792e+05
606	420	5.8236e-11	4.2231e+02	7.2981e-12	-4.5124e+04	1.0422e-09	3.5292e+04
	419	-5.8236e-11	-4.2231e+02	-7.2981e-12	4.5124e+04	-1.8627e-09	4.6465e+04
607	429	-4.6960e-13	1.0618e+02	3.4618e-13	1.7377e+04	-6.5099e-11	2.6751e+04
	420	4.6960e-13	-1.0618e+02	-3.4618e-13	-1.7377e+04	-2.9221e-11	3.1859e+04
608	436	1.3030e-10	2.7828e+02	-1.4574e-11	-3.8548e+04	1.0438e-09	2.4975e+04
	443	-1.3030e-10	-2.7828e+02	1.4574e-11	3.8548e+04	5.2156e-10	2.8872e+04
609	435	6.0015e-11	6.5702e+01	3.8137e-13	1.9664e+04	-2.3286e-10	1.8288e+04
	436	-6.0015e-11	-6.5702e+01	-3.8137e-13	-1.9664e+04	9.2092e-11	1.7990e+04
610	431	8.5265e-14	7.6788e+01	-3.6402e-12	-5.3463e+04	4.6618e-10	4.7908e+03
	417	-8.5265e-14	-7.6788e+01	3.6402e-12	5.3463e+04	2.3295e-10	1.0163e+04
611	458	3.2676e-11	9.2353e+01	6.3565e-14	3.4933e+04	-1.1664e-10	3.9961e+04
	431	-3.2676e-11	-9.2353e+01	-6.3565e-14	-3.4933e+04	6.6397e-11	1.2323e+04
612	440	-1.6340e-11	1.3800e+02	-1.4552e-11	-4.1198e+04	4.6635e-10	1.1774e+04
	438	1.6340e-11	-1.3800e+02	1.4552e-11	4.1198e+04	4.6622e-10	1.4991e+04
613	467	-3.3156e-12	-6.0022e+01	1.0248e-12	2.2286e+04	-5.9235e-11	-1.8932e+04
	440	3.3156e-12	6.0022e+01	-1.0248e-12	-2.2286e+04	-2.0443e-10	-1.4659e+04
614	422	-2.9345e-11	2.1095e+02	-1.5002e-11	-1.9693e+04	1.3971e-09	1.7713e+04
	448	2.9345e-11	-2.1095e+02	1.5002e-11	1.9693e+04	1.3977e-09	2.4244e+04
615	449	7.3185e-12	-1.0653e+02	5.7133e-13	2.1912e+04	-1.8416e-10	-2.9202e+04
	422	-7.3185e-12	1.0653e+02	-5.7133e-13	-2.1912e+04	-2.3709e-10	-2.9607e+04
616	426	2.9119e-10	-3.8106e+02	-8.1358e-12	4.9179e+04	4.6573e-10	-1.1302e+04
	433	-2.9119e-10	3.8106e+02	8.1358e-12	-4.9179e+04	4.6668e-10	-6.6589e+04
617	445	6.5097e-11	-1.2949e+02	6.8449e-13	-9.8567e+03	-5.8262e-11	-3.8929e+04
	426	-6.5097e-11	1.2949e+02	-6.8449e-13	9.8567e+03	-2.6248e-10	-3.2608e+04
618	416	1.1369e-13	1.7662e+02	-3.6426e-12	8.7277e+04	7.0813e-10	9.9055e+04
	434	-1.1369e-13	-1.7662e+02	3.6426e-12	-8.7277e+04	-2.6075e-10	-9.2709e+04
619	447	6.0009e-11	-3.9764e+02	2.2923e-13	-1.2929e+04	-1.0296e-10	-1.0983e+05
	416	-6.0009e-11	3.9764e+02	-2.2923e-13	1.2929e+04	-9.6375e-11	-1.0970e+05
620	453	5.8209e-11	-3.8316e+02	1.1403e-13	-1.5914e+04	-7.3669e-12	-1.1378e+05
	447	-5.8209e-11	3.8316e+02	-1.1403e-13	1.5914e+04	-1.5003e-11	-8.5111e+04
621	468	-4.0707e-12	-7.2089e+02	5.4573e-12	2.3146e+04	-5.8210e-10	-1.0809e+05
	453	4.0707e-12	7.2089e+02	-5.4573e-12	-2.3146e+04	-2.6099e-10	-3.7636e+04
622	364	-9.8228e-11	-4.0723e+03	1.4226e-14	-3.3414e+04	-1.3017e-10	-5.8873e+05
	363	9.8228e-11	4.0723e+03	-1.4226e-14	3.3414e+04	5.8238e-11	-6.9406e+05
623	382	-7.6610e-11	-4.8169e+03	-6.4316e-13	1.0751e+04	6.3667e-12	-7.5145e+05
	364	7.6610e-11	4.8169e+03	6.4316e-13	-1.0751e+04	3.6461e-12	-7.8034e+05
624	339	8.8041e-13	-4.4967e+03	5.0850e-13	-1.2569e+04	-8.2330e-11	-6.6707e+05
	382	-8.8041e-13	4.4967e+03	-5.0850e-13	1.2569e+04	-6.5086e-11	-7.6294e+05
625	334	-1.0553e-10	-2.6961e+03	1.6082e-13	2.5861e+04	-2.9127e-11	-4.3074e+05
	339	1.0553e-10	2.6961e+03	-1.6082e-13	-2.5861e+04	-3.6407e-11	-4.2662e+05
626	378	-1.4399e-10	-3.9881e+03	-1.1391e-13	-1.2685e+04	1.6294e-11	-6.9484e+05
	334	1.4399e-10	3.9881e+03	1.1391e-13	1.2685e+04	3.2568e-11	-6.0140e+05
627	384	-8.0124e-11	-4.9723e+03	2.2740e-13	-6.0844e+03	-5.8238e-11	-7.8459e+05
	378	8.0124e-11	4.9723e+03	-2.2740e-13	6.0844e+03	-6.5085e-11	-7.9910e+05
628	362	-1.6011e-10	-4.6915e+03	-5.0854e-13	3.4416e+04	1.1644e-10	-7.5078e+05

	384	1.6011e-10	4.6915e+03	5.0854e-13	-3.4416e+04	5.8380e-11	-7.1768e+05
629	347	-3.7780e-11	-3.6392e+03	9.0949e-13	-1.4232e+04	-3.6819e-10	-5.6692e+05
	362	3.7780e-11	3.6392e+03	-9.0949e-13	1.4232e+04	3.5408e-10	-5.6548e+05
630	338	5.8212e-11	1.4838e+03	-1.0169e-12	1.5299e+03	1.3019e-10	2.3084e+05
	350	-5.8212e-11	-1.4838e+03	1.0169e-12	-1.5299e+03	2.3286e-10	2.4175e+05
631	88	-6.5086e-11	5.7578e+03	-2.5768e-12	-8.2498e+03	1.1734e-10	5.0271e+05
	338	6.5086e-11	-5.7578e+03	2.5768e-12	8.2498e+03	3.1348e-10	4.7420e+05
632	356	2.9112e-11	-1.2023e+03	-1.8195e-12	1.8539e+04	2.3312e-10	-1.8815e+05
	166	-2.9112e-11	1.2023e+03	1.8195e-12	-1.8539e+04	1.1648e-10	-1.9701e+05
633	348	-1.4568e-11	-1.2733e+03	9.1227e-13	9.5912e+03	-2.6035e-10	-2.0158e+05
	356	1.4568e-11	1.2733e+03	-9.1227e-13	-9.5912e+03	-7.2769e-12	-2.0332e+05
634	119	8.8521e-11	-1.4612e+03	-1.5553e-15	9.0066e+03	-5.8321e-11	-2.4061e+05
	348	-8.8521e-11	1.4612e+03	1.5553e-15	-9.0066e+03	1.1643e-10	-2.3480e+05
643	381	-5.8212e-11	-1.6295e+03	1.8193e-12	1.9882e+04	0.0000e+00	-2.5155e+05
	128	5.8212e-11	1.6295e+03	-1.8193e-12	-1.9882e+04	-3.6380e-12	-2.7047e+05
644	376	-1.1369e-12	-1.9330e+03	-5.7288e-14	9.7136e+03	2.3283e-10	-3.0621e+05
	381	1.1369e-12	1.9330e+03	5.7288e-14	-9.7136e+03	-2.3283e-10	-3.0847e+05
645	373	2.9124e-11	-1.9658e+03	-8.5276e-14	8.7596e+03	1.3017e-10	-3.1233e+05
	376	-2.9124e-11	1.9658e+03	8.5276e-14	-8.7596e+03	-2.0369e-12	-3.1278e+05
646	361	1.7462e-10	-1.9689e+03	4.5503e-13	7.8364e+03	-3.6703e-12	-3.1311e+05
	373	-1.7462e-10	1.9689e+03	-4.5503e-13	-7.8364e+03	-5.8353e-11	-3.1299e+05
647	375	8.8523e-11	-1.8902e+03	-2.2741e-13	8.9333e+03	3.2762e-11	-3.0955e+05
	361	-8.8523e-11	1.8902e+03	2.2741e-13	-8.9333e+03	6.5142e-11	-3.0475e+05
648	369	-5.8218e-11	-1.0153e+03	-1.4756e-14	-1.1277e+04	2.4000e-10	-1.1305e+05
	375	5.8218e-11	1.0153e+03	1.4756e-14	1.1277e+04	-5.8243e-11	-2.1034e+05
649	388	1.1642e-10	-3.8899e+02	2.0341e-12	-4.0456e+03	-2.6037e-10	-6.3900e+04
	369	-1.1642e-10	3.8899e+02	-2.0341e-12	4.0456e+03	-1.1648e-10	-5.7865e+04
650	76	-1.2000e-10	-8.1037e+02	-3.7505e-12	5.2280e+04	2.6036e-10	-1.8508e+05
	388	1.2000e-10	8.1037e+02	3.7505e-12	-5.2280e+04	2.3290e-10	-6.7328e+04
659	173	-1.4566e-11	-2.5032e+02	1.2723e-13	2.8299e+04	1.1733e-10	-5.6772e+04
	362	1.4566e-11	2.5032e+02	-1.2723e-13	-2.8299e+04	-1.7703e-10	-7.3144e+04
660	353	-1.1643e-10	-2.6595e+02	-1.1065e-11	-7.6595e+04	5.2079e-10	-5.8584e+04
	173	1.1643e-10	2.6595e+02	1.1065e-11	7.6595e+04	5.2070e-10	7.2514e+03
661	355	4.1250e-11	1.9642e+03	9.0952e-13	6.1647e+04	-7.3631e-10	1.0857e+05
	119	-4.1250e-11	-1.9642e+03	-9.0952e-13	-6.1647e+04	5.8213e-10	2.4232e+05
662	113	1.4625e-10	-6.6948e+03	2.0387e-12	1.5589e+04	-1.1693e-10	-4.5635e+05
	121	-1.4625e-10	6.6948e+03	-2.0387e-12	-1.5589e+04	-5.8321e-11	-5.3365e+05
663	102	-3.2557e-11	1.3735e+03	-1.3655e-12	1.2166e+04	8.2318e-11	1.1247e+05
	113	3.2557e-11	-1.3735e+03	1.3655e-12	-1.2166e+04	8.7586e-11	1.2521e+05
664	89	-1.1733e-10	-5.5792e+03	-3.8923e-12	1.5069e+04	1.2352e-10	-4.4743e+05
	102	1.1733e-10	5.5792e+03	3.8923e-12	-1.5069e+04	2.4705e-10	-3.7759e+05
665	102	1.3754e-11	1.1693e+03	-9.1406e-12	-3.1690e+04	7.1354e-10	1.0301e+05
	334	-1.3754e-11	-1.1693e+03	9.1406e-12	3.1690e+04	2.1023e-10	9.3832e+04
666	121	1.8755e-12	-1.2249e+03	2.7311e-12	-7.8235e+04	-9.9125e-10	-1.0022e+05
	339	-1.8755e-12	1.2249e+03	-2.7311e-12	7.8235e+04	4.6943e-10	-8.6173e+04
667	356	4.5497e-13	2.0802e+02	-1.1395e-13	-1.0415e+04	1.2002e-10	5.5492e+04
	364	-4.5497e-13	-2.0802e+02	1.1395e-13	1.0415e+04	-2.9197e-11	5.2474e+04
668	367	5.4573e-12	-6.1166e+02	-1.0914e-11	2.9484e+04	4.6582e-10	-6.1691e+04
	356	-5.4573e-12	6.1166e+02	1.0914e-11	-2.9484e+04	5.2082e-10	-5.6671e+04
669	348	4.1163e-11	9.8203e+01	2.2741e-13	-1.0377e+04	-1.1642e-10	2.5667e+04

	382	-4.1163e-11	-9.8203e+01	-2.2741e-13	1.0377e+04	-4.1168e-11	2.5307e+04
670	349	1.8752e-12	-3.7031e+02	-4.0679e-12	3.4257e+04	2.3304e-10	-3.6198e+04
	348	-1.8752e-12	3.7031e+02	4.0679e-12	-3.4257e+04	4.6588e-10	-3.5475e+04
671	338	1.4556e-11	1.1522e+02	1.3643e-12	-9.8456e+03	-4.0850e-10	2.9719e+04
	378	-1.4556e-11	-1.1522e+02	-1.3643e-12	9.8456e+03	-4.2377e-10	3.0260e+04
672	368	-5.8429e-11	-1.5970e+03	-2.2130e-11	2.6729e+04	1.8627e-09	-1.4952e+05
	338	5.8429e-11	1.5970e+03	2.2130e-11	-2.6729e+04	1.8631e-09	-1.5956e+05
673	347	5.8224e-11	-2.4792e+03	-2.8449e-14	5.5893e+04	-2.9106e-11	-5.9919e+05
	76	-5.8224e-11	2.4792e+03	2.8449e-14	-5.5893e+04	3.3195e-11	-7.5696e+05
674	83	-2.8422e-14	-3.1669e+03	-5.1475e-13	-2.4512e+04	1.0299e-11	-8.6779e+05
	347	2.8422e-14	3.1669e+03	5.1475e-13	2.4512e+04	4.1163e-11	-6.9667e+05
675	363	5.6843e-14	1.2027e+03	1.1371e-13	4.0804e+04	5.8213e-11	2.2549e+05
	128	-5.6843e-14	-1.2027e+03	-1.1371e-13	-4.0804e+04	-7.2851e-11	4.2056e+05
676	166	-5.8236e-11	1.6438e+03	5.6856e-14	-1.3778e+04	-1.6273e-11	5.1818e+05
	363	5.8236e-11	-1.6438e+03	-5.6856e-14	1.3778e+04	-1.4560e-11	3.1042e+05
677	381	1.8210e-12	7.2058e+02	-7.2763e-12	-4.7896e+04	-1.4727e-09	6.4648e+04
	380	-1.8210e-12	-7.2058e+02	7.2763e-12	4.7896e+04	1.5620e-09	7.4801e+04
678	364	-1.4561e-11	1.7685e+02	-7.9784e-13	2.7096e+04	8.2348e-11	4.8145e+04
	381	1.4561e-11	-1.7685e+02	7.9784e-13	-2.7096e+04	1.6270e-10	4.9477e+04
679	376	9.0994e-13	4.7450e+02	1.8190e-11	-4.2979e+04	-5.2064e-10	4.4065e+04
	370	-9.0994e-13	-4.7450e+02	-1.8190e-11	4.2979e+04	-2.3304e-10	4.7751e+04
680	382	-9.0961e-13	1.1937e+02	-2.5438e-13	3.4311e+04	4.6657e-10	3.3669e+04
	376	9.0961e-13	-1.1937e+02	2.5438e-13	-3.4311e+04	-2.9683e-10	3.2227e+04
681	373	-1.1374e-13	1.0551e+02	-1.0729e-13	-4.3023e+04	1.4163e-09	9.0342e+03
	383	1.1374e-13	-1.0551e+02	1.0729e-13	4.3023e+04	-1.0914e-11	1.1392e+04
682	339	4.5497e-13	9.8041e+01	-1.1369e-13	5.1574e+04	7.3190e-12	3.6578e+04
	373	-4.5497e-13	-9.8041e+01	1.1369e-13	-5.1574e+04	3.6442e-12	1.8832e+04
683	361	-1.3663e-11	-2.3764e+02	-4.0694e-12	-4.4485e+04	5.2072e-10	-2.1707e+04
	371	1.3663e-11	2.3764e+02	4.0694e-12	4.4485e+04	2.3315e-10	-2.4279e+04
684	334	1.5660e-12	-8.4811e+01	-4.5479e-13	4.3388e+04	3.6004e-10	-2.4894e+04
	361	-1.5660e-12	8.4811e+01	4.5479e-13	-4.3388e+04	-1.0500e-10	-2.2195e+04
685	375	3.2591e-11	3.7804e+02	-9.0994e-14	-1.7808e+04	-4.6568e-10	3.2435e+04
	354	-3.2591e-11	-3.7804e+02	9.0994e-14	1.7808e+04	5.2075e-10	4.1147e+04
686	378	-7.2911e-12	-1.7681e+02	-1.1426e-12	3.6526e+04	2.9409e-11	-4.8991e+04
	375	7.2911e-12	1.7681e+02	1.1426e-12	-3.6526e+04	2.0373e-10	-4.8609e+04
687	388	1.3027e-10	-6.0457e+02	7.2791e-12	1.1410e+05	-3.7253e-09	-1.5318e+04
	386	-1.3027e-10	6.0457e+02	-7.2791e-12	-1.1410e+05	1.8628e-09	-1.1050e+05
688	362	-5.8217e-11	-2.2170e+02	-1.1425e-12	-1.9612e+04	1.4555e-10	-7.4874e+04
	388	5.8217e-11	2.2170e+02	1.1425e-12	1.9612e+04	1.4556e-10	-4.7732e+04
689	369	-5.8245e-11	2.5830e+02	-3.6380e-12	1.4823e+05	2.6034e-10	-1.3503e+05
	385	5.8245e-11	-2.5830e+02	3.6380e-12	-1.4823e+05	2.3289e-10	1.4401e+05
690	384	2.9104e-11	-5.9160e+02	-3.1264e-13	-2.3296e+04	1.1732e-10	-1.8078e+05
	369	-2.9104e-11	5.9160e+02	3.1264e-13	2.3296e+04	9.5702e-11	-1.4593e+05
691	350	3.2553e-11	-6.2063e+02	-4.5475e-13	-1.9019e+04	3.6384e-11	-1.6283e+05
	384	-3.2553e-11	6.2063e+02	4.5475e-13	1.9019e+04	8.7313e-11	-1.5933e+05
692	352	-6.5086e-11	-1.7511e+03	-2.0344e-12	3.2515e+04	-4.8000e-10	-2.1310e+05
	350	6.5086e-11	1.7511e+03	2.0344e-12	-3.2515e+04	9.3860e-10	-1.2784e+05
693	172	3.3539e-13	-9.2120e+01	-6.4553e-14	3.2812e+04	7.1718e-12	-2.1353e+04
	141	-3.3539e-13	9.2120e+01	6.4553e-14	-3.2812e+04	7.9112e-12	-2.6503e+04
694	130	-1.1372e-12	3.4678e+02	6.0047e-13	-4.5178e+04	-3.3166e-11	2.2273e+04

	172	1.1372e-12	-3.4678e+02	-6.0047e-13	4.5178e+04	-1.6459e-11	4.5281e+04
695	171	-6.7270e+02	-9.9856e+01	-2.4819e+02	2.8924e+02	4.3666e+04	-2.2474e+04
	172	6.7270e+02	9.9856e+01	2.4819e+02	-2.8924e+02	3.8238e+04	-1.0524e+04
696	134	-9.3176e-13	7.8552e+02	-1.2591e-12	3.6141e+04	4.2197e-11	5.8364e+04
	503	9.3176e-13	-7.8552e+02	1.2591e-12	-3.6141e+04	3.2024e-11	8.2079e+04
697	496	2.0691e-12	-4.1442e+03	-2.1933e-14	6.1927e+03	3.5957e-12	-2.8572e+05
	504	-2.0691e-12	4.1442e+03	2.1933e-14	-6.1927e+03	-3.0364e-12	-3.2713e+05
698	494	1.8228e-12	1.5994e+03	-1.5322e-14	9.8182e+03	3.0644e-12	1.2854e+05
	496	-1.8228e-12	-1.5994e+03	1.5322e-14	-9.8182e+03	-2.9687e-12	1.4820e+05
699	493	-3.0095e-12	-3.1308e+03	3.2326e-14	9.8128e+03	-7.4193e-12	-2.4732e+05
	494	3.0095e-12	3.1308e+03	-3.2326e-14	-9.8128e+03	5.4744e-12	-2.1569e+05
700	494	-4.7806e-13	9.4799e+02	-2.3579e-13	-1.8783e+04	2.2794e-11	8.1045e+04
	144	4.7806e-13	-9.4799e+02	2.3579e-13	1.8783e+04	2.2173e-12	7.8487e+04
701	504	1.8331e-12	-1.1684e+03	-2.1492e-13	-2.4312e+04	1.6439e-11	-9.1268e+04
	145	-1.8331e-12	1.1684e+03	2.1492e-13	2.4312e+04	7.1806e-12	-8.6550e+04
702	137	6.3106e-13	7.4057e+01	-3.3528e-14	1.1954e+04	1.0208e-11	2.2307e+04
	147	-6.3106e-13	-7.4057e+01	3.3528e-14	-1.1954e+04	6.2489e-12	1.6272e+04
703	136	8.1039e-13	-4.5857e+02	-1.0824e-13	1.7345e+04	-4.4584e-11	-3.6139e+04
	137	-8.1039e-13	4.5857e+02	1.0824e-13	-1.7345e+04	4.5055e-11	-5.3054e+04
704	138	-3.6161e-13	-2.1837e+01	1.0320e-13	1.2622e+04	-2.1909e-11	-7.1271e+03
	146	3.6161e-13	2.1837e+01	-1.0320e-13	-1.2622e+04	-7.4785e-12	-4.8135e+03
705	135	7.0727e-13	-2.8337e+02	4.8957e-13	1.5376e+04	-1.3407e-11	-2.4399e+04
	138	-7.0727e-13	2.8337e+02	-4.8957e-13	-1.5376e+04	-8.7423e-11	-3.0606e+04
706	140	4.8579e-13	6.6163e+01	1.2500e-14	2.3121e+04	-5.8193e-12	1.8861e+04
	143	-4.8579e-13	-6.6163e+01	-1.2500e-14	-2.3121e+04	-4.2938e-12	1.5484e+04
707	132	-8.8508e-13	-9.0817e+02	-1.7223e-13	-3.4992e+03	-2.9559e-11	-7.7383e+04
	140	8.8508e-13	9.0817e+02	1.7223e-13	3.4992e+03	5.1032e-11	-9.8370e+04
708	161	-2.1078e-13	-1.0961e+02	-2.5335e-15	-4.2324e+03	-6.4373e-13	-2.6255e+04
	482	2.1078e-13	1.0961e+02	2.5335e-15	4.2324e+03	1.9322e-12	-3.3721e+04
709	579	-1.3831e-12	-8.3803e+02	-2.5750e-12	9.4995e+03	2.5693e-11	-1.7872e+04
	161	1.3831e-12	8.3803e+02	2.5750e-12	-9.4995e+03	9.7501e-11	-4.6985e+04
710	25	1.7960e-12	-2.3550e+03	5.8162e-13	6.7974e+04	1.2379e-11	-7.4955e+04
	479	-1.7960e-12	2.3550e+03	-5.8162e-13	-6.7974e+04	-9.8650e-11	-1.8129e+05
711	148	-1.6649e-13	1.3179e+02	6.8470e-15	1.2188e+04	-1.7916e-12	3.1602e+04
	474	1.6649e-13	-1.3179e+02	-6.8470e-15	-1.2188e+04	-1.4337e-12	3.9177e+04
712	478	-2.7956e-13	1.3661e+02	7.6257e-15	-4.7533e+03	-4.8275e-13	3.8764e+04
	148	2.7956e-13	-1.3661e+02	-7.6257e-15	4.7533e+03	-9.4286e-13	3.0124e+04
713	156	2.8228e-12	-1.7513e+02	6.1458e-13	-2.1137e+04	-6.6242e-11	-8.5302e+03
	160	-2.8228e-12	1.7513e+02	-6.1458e-13	2.1137e+04	-1.8290e-11	-2.6922e+04
714	147	6.3334e-13	6.6550e+01	5.4530e-14	-4.0079e+03	-2.2479e-11	1.7144e+04
	156	-6.3334e-13	-6.6550e+01	-5.4530e-14	4.0079e+03	-3.5408e-12	1.9603e+04
715	155	-1.7322e-12	-1.3544e+02	-1.0431e-13	-1.7777e+04	6.3506e-11	-6.3941e+03
	159	1.7322e-12	1.3544e+02	1.0431e-13	1.7777e+04	-1.0907e-11	-2.1620e+04
716	146	-6.2954e-13	2.6109e+01	3.2719e-14	-3.8583e+03	1.6598e-11	6.7050e+03
	155	6.2954e-13	-2.6109e+01	-3.2719e-14	3.8583e+03	-1.9225e-11	7.7344e+03
717	154	9.0660e-13	-1.2610e+02	1.6224e-12	-1.7185e+04	-2.9506e-11	-7.6692e+03
	158	-9.0660e-13	1.2610e+02	-1.6224e-12	1.7185e+04	-8.1957e-12	-1.7845e+04
718	145	-4.6842e-13	-1.9871e+01	9.1074e-14	7.2667e+03	-2.1625e-11	-4.8276e+03
	154	4.6842e-13	1.9871e+01	-9.1074e-14	-7.2667e+03	-1.9117e-11	-7.3636e+03
719	153	-9.3940e-13	-1.0549e+02	6.0446e-13	-1.7584e+04	-1.8612e-11	-8.8047e+03

	157	9.3940e-13	1.0549e+02	-6.0446e-13	1.7584e+04	-1.5777e-11	-1.1673e+04
720	144	-3.8382e-13	-5.3124e+01	9.9085e-14	1.0550e+04	-1.4554e-11	-1.7038e+04
	153	3.8382e-13	5.3124e+01	-9.9085e-14	-1.0550e+04	-1.6046e-11	-1.2802e+04
721	151	-6.0195e-13	2.0402e+02	-1.1434e-12	1.0813e+04	3.0006e-11	1.7495e+04
	152	6.0195e-13	-2.0402e+02	1.1434e-12	-1.0813e+04	1.3285e-11	2.2065e+04
722	143	5.9492e-13	7.2677e+01	5.3938e-14	-3.9098e+03	-3.6870e-12	1.9749e+04
	151	-5.9492e-13	-7.2677e+01	-5.3938e-14	3.9098e+03	-2.8367e-12	2.0425e+04
723	194	7.1451e-13	-1.2686e+02	-2.6909e-13	7.3036e+04	8.6129e-11	-5.6745e+03
	149	-7.1451e-13	1.2686e+02	2.6909e-13	-7.3036e+04	-2.8878e-11	-2.0090e+04
724	141	1.2307e-13	-7.0300e+01	9.0684e-14	-2.3748e+04	-1.4041e-11	-2.4318e+04
	194	-1.2307e-13	7.0300e+01	-9.0684e-14	2.3748e+04	-8.9869e-12	-1.4529e+04
725	195	-4.3500e-13	-2.1575e+02	-1.0548e-12	8.3764e+04	4.2835e-11	-1.2435e+04
	150	4.3500e-13	2.1575e+02	1.0548e-12	-8.3764e+04	1.1264e-11	-2.9860e+04
726	142	-5.8563e-13	-5.7898e+01	-3.4090e-14	-2.7917e+04	2.0106e-11	-2.1537e+04
	195	5.8563e-13	5.7898e+01	3.4090e-14	2.7917e+04	-2.0672e-12	-1.0607e+04
727	139	-3.1078e-13	-1.1277e+02	2.5731e-14	8.8840e+03	-3.3971e-12	-2.9748e+04
	142	3.1078e-13	1.1277e+02	-2.5731e-14	-8.8840e+03	-2.6069e-12	-2.8783e+04
728	131	2.3490e-12	-9.6971e+01	-1.7419e-13	5.0130e+03	-2.0115e-11	-1.0319e+04
	139	-2.3490e-12	9.6971e+01	1.7419e-13	-5.0130e+03	3.4559e-11	-8.6359e+03
729	147	-1.5688e-12	-5.7696e+02	-1.9691e-14	4.2433e+03	1.8827e-12	-9.3740e+04
	148	1.5688e-12	5.7696e+02	1.9691e-14	-4.2433e+03	1.5794e-12	-8.8008e+04
730	146	2.1444e-12	-1.0082e+03	7.3140e-15	1.9501e+03	-1.0893e-12	-1.6026e+05
	147	-2.1444e-12	1.0082e+03	-7.3140e-15	-1.9501e+03	-1.4259e-12	-1.6035e+05
731	145	9.2472e-13	-1.0626e+03	-6.1183e-15	-3.3990e+03	-7.1733e-13	-1.6204e+05
	146	-9.2472e-13	1.0626e+03	6.1183e-15	3.3990e+03	2.5660e-12	-1.7588e+05
732	144	-2.3875e-13	-4.9804e+02	-9.2630e-15	1.1734e+04	1.7379e-12	-7.6738e+04
	145	2.3875e-13	4.9804e+02	9.2630e-15	-1.1734e+04	4.0509e-13	-8.1643e+04
733	143	-8.9353e-13	-8.1166e+02	-6.1848e-15	-3.5007e+03	1.8009e-12	-1.4178e+05
	144	8.9353e-13	8.1166e+02	6.1848e-15	3.5007e+03	7.8237e-13	-1.2201e+05
734	142	1.4399e-12	-1.1588e+03	-8.6576e-15	3.5872e+03	1.0085e-12	-1.8286e+05
	143	-1.4399e-12	1.1588e+03	8.6576e-15	-3.5872e+03	5.8593e-13	-1.8623e+05
735	141	8.1064e-13	-9.5494e+02	2.4564e-14	-1.1867e+03	-2.2876e-12	-1.5017e+05
	142	-8.1064e-13	9.5494e+02	-2.4564e-14	1.1867e+03	-1.5018e-12	-1.4873e+05
736	161	-1.0080e-12	-2.6240e+02	1.1069e-14	-1.7812e+03	-2.3278e-12	-2.0806e+04
	141	1.0080e-12	2.6240e+02	-1.1069e-14	1.7812e+03	-2.5850e-12	-6.1145e+04
737	140	-1.6149e-12	9.1075e+02	8.7320e-15	4.9514e+03	-2.2925e-12	1.3727e+05
	139	1.6149e-12	-9.1075e+02	-8.7320e-15	-4.9514e+03	-1.1499e-12	1.5280e+05
738	492	-5.4801e-12	4.7667e+03	1.0400e-13	5.5054e+03	-5.9562e-12	4.4052e+05
	140	5.4801e-12	-4.7667e+03	-1.0400e-13	-5.5054e+03	-6.5721e-12	3.6830e+05
739	137	1.7364e-12	-5.3282e+02	1.0952e-14	1.0722e+04	-1.9992e-12	-7.5328e+04
	478	-1.7364e-12	5.3282e+02	-1.0952e-14	-1.0722e+04	-1.3319e-12	-9.5392e+04
740	138	2.7631e-12	-7.4740e+02	1.4917e-14	3.6104e+03	-1.9543e-12	-1.1825e+05
	137	-2.7631e-12	7.4740e+02	-1.4917e-14	-3.6104e+03	-1.1708e-12	-1.1942e+05
741	503	-1.4262e-12	-1.0654e+03	-7.4252e-15	4.2082e+03	1.4992e-12	-1.7902e+05
	138	1.4262e-12	1.0654e+03	7.4252e-15	-4.2082e+03	8.0112e-13	-1.6762e+05
742	136	-2.6153e-12	-4.0087e+02	-1.1667e-14	-9.0400e+03	1.4692e-12	-5.3060e+04
	479	2.6153e-12	4.0087e+02	1.1667e-14	9.0400e+03	1.1226e-12	-7.5458e+04
743	135	7.0687e-13	-4.6822e+02	-1.7932e-14	6.3970e+03	2.0017e-12	-7.4455e+04
	136	-7.0687e-13	4.6822e+02	1.7932e-14	-6.3970e+03	1.9062e-12	-7.4439e+04
744	134	7.2395e-13	-5.9474e+02	-1.0319e-14	1.2131e+04	1.6701e-12	-9.4927e+04

	135	-7.2395e-13	5.9474e+02	1.0319e-14	-1.2131e+04	2.4502e-12	-9.4200e+04
745	133	-9.4748e-13	-3.2893e+02	6.9807e-15	-4.5241e+03	-1.1800e-12	-5.1330e+04
	134	9.4748e-13	3.2893e+02	-6.9807e-15	4.5241e+03	-1.1954e-12	-5.3270e+04
746	132	-9.4063e-13	-3.1486e+02	6.4367e-15	-5.2513e+03	-1.8028e-12	-5.0858e+04
	133	9.4063e-13	3.1486e+02	-6.4367e-15	5.2513e+03	-1.4616e-12	-5.1471e+04
747	131	-9.9519e-13	-5.6458e+02	7.7015e-15	1.1306e+04	-2.8689e-12	-9.8343e+04
	132	9.9519e-13	5.6458e+02	-7.7015e-15	-1.1306e+04	1.1415e-12	-8.7403e+04
748	130	7.1972e-13	-6.7079e+02	1.8334e-14	4.4267e+03	-2.1254e-12	-1.0035e+05
	131	-7.1972e-13	6.7079e+02	-1.8334e-14	-4.4267e+03	-2.1488e-12	-1.0257e+05
749	488	-4.2276e-13	-3.9370e+02	-1.6582e-14	-4.5717e+03	2.4914e-12	-6.1264e+04
	130	4.2276e-13	3.9370e+02	1.6582e-14	4.5717e+03	1.5997e-12	-6.1323e+04
750	156	5.7896e-13	-7.7925e+02	-1.1802e-14	1.1000e+04	3.1593e-12	-1.0766e+05
	474	-5.7896e-13	7.7925e+02	1.1802e-14	-1.1000e+04	1.1139e-12	-1.4200e+05
751	155	-1.0290e-12	-9.1682e+02	3.6755e-15	2.8629e+03	-2.0275e-12	-1.4579e+05
	156	1.0290e-12	9.1682e+02	-3.6755e-15	-2.8629e+03	1.0759e-12	-1.4576e+05
752	154	-6.3211e-13	-9.8920e+02	-1.0888e-14	2.1624e+03	2.7970e-12	-1.5676e+05
	155	6.3211e-13	9.8920e+02	1.0888e-14	-2.1624e+03	2.4463e-12	-1.5781e+05
753	153	5.8283e-13	-9.7471e+02	1.3125e-14	2.9859e+03	-2.3816e-12	-1.5492e+05
	154	-5.8283e-13	9.7471e+02	-1.3125e-14	-2.9859e+03	-1.5304e-12	-1.5504e+05
754	151	6.2996e-13	-9.3509e+02	-7.4528e-15	3.7737e+03	2.1169e-12	-1.5337e+05
	153	-6.2996e-13	9.3509e+02	7.4528e-15	-3.7737e+03	9.6281e-13	-1.5053e+05
755	195	2.4119e-13	-7.1430e+02	-1.3563e-14	-5.8440e+03	2.3725e-12	-9.4487e+04
	151	-2.4119e-13	7.1430e+02	1.3563e-14	5.8440e+03	2.3928e-12	-1.3302e+05
756	194	2.6282e-12	-3.0627e+02	-1.1602e-14	2.2374e+03	1.8137e-12	-5.1726e+04
	195	-2.6282e-12	3.0627e+02	1.1602e-14	-2.2374e+03	2.4701e-12	-4.4147e+04
757	482	-3.3316e-12	3.1684e+02	3.8400e-14	1.6744e+04	-1.0389e-12	5.9572e+04
	194	3.3316e-12	-3.1684e+02	-3.8400e-14	-1.6744e+04	-4.0832e-12	3.9142e+04
758	160	2.1320e-12	-8.0625e+02	-1.0932e-14	1.6955e+04	1.1896e-12	-1.1017e+05
	475	-2.1320e-12	8.0625e+02	1.0932e-14	-1.6955e+04	2.8423e-12	-1.4813e+05
759	159	-1.6131e-12	-7.0721e+02	-3.6435e-15	1.8404e+03	-1.0377e-12	-1.1320e+05
	160	1.6131e-12	7.0721e+02	3.6435e-15	-1.8404e+03	3.2700e-12	-1.1169e+05
760	158	-1.5490e-12	-7.7079e+02	-1.0496e-14	-9.6426e+02	2.4276e-12	-1.2221e+05
	159	1.5490e-12	7.7079e+02	1.0496e-14	9.6426e+02	1.3580e-12	-1.2290e+05
761	157	1.3142e-12	-7.6771e+02	-7.3980e-15	-9.6040e+02	5.0434e-13	-1.2192e+05
	158	-1.3142e-12	7.6771e+02	7.3980e-15	9.6040e+02	7.2316e-13	-1.2221e+05
762	152	-9.4567e-13	-8.0578e+02	-3.4995e-15	2.0928e+03	1.0032e-12	-1.4218e+05
	157	9.4567e-13	8.0578e+02	3.4995e-15	-2.0928e+03	8.7203e-13	-1.2816e+05
763	150	7.3620e-13	-1.0119e+03	7.3258e-15	-1.7894e+03	2.2738e-12	-1.5428e+05
	152	-7.3620e-13	1.0119e+03	-7.3258e-15	1.7894e+03	-2.7394e-12	-1.5739e+05
764	149	1.5465e-12	-9.6501e+02	4.3070e-15	1.4574e+03	7.9834e-13	-1.5207e+05
	150	-1.5465e-12	9.6501e+02	-4.3070e-15	-1.4574e+03	-2.0013e-12	-1.4998e+05
765	483	-4.2164e-13	-5.4308e+02	1.8040e-14	2.8405e+03	-2.1179e-12	-7.7360e+04
	149	4.2164e-13	5.4308e+02	-1.8040e-14	-2.8405e+03	-2.4083e-12	-9.1740e+04
806	352	-5.0292e+02	-2.0455e+03	5.8861e+02	-1.6828e+04	-9.1266e+04	-2.8372e+05
	468	5.0292e+02	2.0455e+03	-5.8861e+02	1.6828e+04	-9.7092e+04	-3.7124e+05
807	334	-2.9681e+02	-2.8169e+03	-2.3547e+02	-1.1718e+04	3.5111e+04	-4.3509e+05
	467	2.9681e+02	2.8169e+03	2.3547e+02	1.1718e+04	4.0244e+04	-4.6633e+05
808	348	1.9921e+02	-1.6529e+03	1.7712e+02	-1.6828e+04	-2.5655e+04	-2.0988e+05
	461	-1.9921e+02	1.6529e+03	-1.7712e+02	1.6828e+04	-3.1048e+04	-3.1983e+05
809	349	3.5815e+02	-1.6022e+03	1.3221e+02	-1.1718e+04	-1.8926e+04	-2.3529e+05

	459	-3.5815e+02	1.6022e+03	-1.3221e+02	1.1718e+04	-2.3393e+04	-2.7749e+05
810	339	1.2080e+02	-2.8604e+03	1.3326e+02	-1.1718e+04	-2.0400e+04	-4.4122e+05
	458	-1.2080e+02	2.8604e+03	-1.3326e+02	1.1718e+04	-2.2244e+04	-4.7412e+05
811	347	-1.2868e+03	-1.4181e+03	4.4929e+03	-1.6828e+04	-6.5619e+05	-2.1638e+05
	456	1.2868e+03	1.4181e+03	-4.4929e+03	1.6828e+04	-7.8155e+05	-2.3744e+05
812	350	-3.2839e+02	-1.4865e+03	8.4199e+02	-1.6828e+04	-1.3285e+05	-1.8537e+05
	453	3.2839e+02	1.4865e+03	-8.4199e+02	1.6828e+04	-1.3659e+05	-2.9123e+05
813	338	-2.0773e+03	-2.5231e+03	4.0381e+02	-1.6828e+04	-6.1391e+04	-3.3887e+05
	452	2.0773e+03	2.5231e+03	-4.0381e+02	1.6828e+04	-6.7839e+04	-4.6881e+05
814	378	4.1217e+02	-4.4828e+03	-3.2303e+02	-1.6828e+04	4.6881e+04	-6.6635e+05
	449	-4.1217e+02	4.4828e+03	3.2303e+02	1.6828e+04	5.6499e+04	-7.6823e+05
815	354	5.1140e+02	-3.8209e+03	-1.6384e+02	-1.6828e+04	2.3054e+04	-5.3338e+05
	448	-5.1140e+02	3.8209e+03	1.6384e+02	1.6828e+04	2.9500e+04	-6.8966e+05
816	384	-2.4370e+02	-4.6066e+03	9.6579e+02	-1.6828e+04	-1.4709e+05	-6.9003e+05
	447	2.4370e+02	4.6066e+03	-9.6579e+02	1.6828e+04	-1.6197e+05	-7.8413e+05
817	362	-6.7110e+02	-4.1006e+03	7.6980e+02	-1.6828e+04	-1.0723e+05	-6.1379e+05
	445	6.7110e+02	4.1006e+03	-7.6980e+02	1.6828e+04	-1.3913e+05	-6.9847e+05
818	366	3.7238e+01	-1.3065e+03	2.4771e+01	-1.1718e+04	-2.6200e+03	-1.9318e+05
	444	-3.7238e+01	1.3065e+03	-2.4771e+01	1.1718e+04	-5.4576e+03	-2.2496e+05
819	370	-2.2897e+02	-2.9301e+03	-1.3963e+02	-1.1718e+04	2.0066e+04	-4.3270e+05
	443	2.2897e+02	2.9301e+03	1.3963e+02	1.1718e+04	2.4627e+04	-5.0499e+05
820	363	1.6366e+03	-1.9301e+03	-1.5949e+03	-1.4260e+04	2.4615e+05	-2.7910e+05
	442	-1.6366e+03	1.9301e+03	1.5949e+03	1.4260e+04	2.6422e+05	-3.3871e+05
821	367	-7.8483e+02	-1.3565e+03	1.9590e+02	-1.1718e+04	-2.6554e+04	-1.9986e+05
	441	7.8483e+02	1.3565e+03	-1.9590e+02	1.1718e+04	-3.6160e+04	-2.3431e+05
822	361	9.5111e+01	-2.4272e+03	1.4263e+02	-1.6828e+04	-2.1212e+04	-3.1087e+05
	440	-9.5111e+01	2.4272e+03	-1.4263e+02	1.6828e+04	-2.4440e+04	-4.6670e+05
823	355	8.9845e+02	-1.4148e+03	-2.7604e+02	-1.1718e+04	4.4066e+04	-2.0702e+05
	439	-8.9845e+02	1.4148e+03	2.7604e+02	1.1718e+04	4.4268e+04	-2.4579e+05
824	371	2.9581e+02	-3.0152e+03	-7.3883e+01	-1.1718e+04	1.0847e+04	-4.4501e+05
	438	-2.9581e+02	3.0152e+03	7.3883e+01	1.1718e+04	1.2802e+04	-5.1990e+05
825	376	2.0746e+02	-2.3935e+03	-2.4054e+02	-1.6828e+04	3.5523e+04	-3.0599e+05
	436	-2.0746e+02	2.3935e+03	2.4054e+02	1.6828e+04	4.1457e+04	-4.6084e+05
826	382	1.2572e+02	-4.5473e+03	-2.0767e+02	-1.6828e+04	2.9115e+04	-6.7616e+05
	435	-1.2572e+02	4.5473e+03	2.0767e+02	1.6828e+04	3.7353e+04	-7.7906e+05
827	385	-1.8112e+02	-4.4662e+03	4.3280e+02	-1.6828e+04	-6.3250e+04	-6.3333e+05
	434	1.8112e+02	4.4662e+03	-4.3280e+02	1.6828e+04	-7.5307e+04	-7.9612e+05
828	386	9.4539e+02	-4.5595e+03	2.3444e+02	-1.6828e+04	-3.1815e+04	-6.4844e+05
	433	-9.4539e+02	4.5595e+03	-2.3444e+02	1.6828e+04	-4.3389e+04	-8.1081e+05
829	353	-9.5055e+02	-2.1038e+03	2.1630e+02	-1.6828e+04	-2.8462e+04	-2.9614e+05
	432	9.5055e+02	2.1038e+03	-2.1630e+02	1.6828e+04	-4.0942e+04	-3.7746e+05
830	373	-3.6620e+01	-2.5285e+03	-8.7819e+01	-1.6828e+04	1.3021e+04	-3.2179e+05
	431	3.6620e+01	2.5285e+03	8.7819e+01	1.6828e+04	1.5087e+04	-4.8818e+05
831	364	5.6074e+02	-4.0019e+03	-5.1414e+02	-1.6828e+04	7.2658e+04	-5.9855e+05
	429	-5.6074e+02	4.0019e+03	5.1414e+02	1.6828e+04	9.1880e+04	-6.8212e+05
832	356	4.8610e+02	-1.4341e+03	3.2445e+02	-1.6828e+04	-4.6244e+04	-1.8040e+05
	424	-4.8610e+02	1.4341e+03	-3.2445e+02	1.6828e+04	-5.7600e+04	-2.7943e+05
833	368	-6.5771e+02	-1.5006e+03	4.4179e+02	-1.1718e+04	-6.6814e+04	-2.1929e+05
	423	6.5771e+02	1.5006e+03	-4.4179e+02	1.1718e+04	-7.4562e+04	-2.6098e+05
834	375	-5.6136e+02	-1.9759e+03	-3.1421e+02	-1.6828e+04	4.6723e+04	-2.4343e+05

	422	5.6136e+02	1.9759e+03	3.1421e+02	1.6828e+04	5.3846e+04	-3.9015e+05
835	381	5.4343e+02	-2.1742e+03	-3.5683e+02	-1.6828e+04	5.2748e+04	-2.7400e+05
	420	-5.4343e+02	2.1742e+03	3.5683e+02	1.6828e+04	6.1450e+04	-4.2280e+05
836	380	-9.5726e+02	-3.0081e+03	-1.3909e+02	-1.1718e+04	1.9463e+04	-4.4526e+05
	419	9.5726e+02	3.0081e+03	1.3909e+02	1.1718e+04	2.5136e+04	-5.1736e+05
837	383	-9.1450e+01	-2.9146e+03	-4.6826e+01	-1.1718e+04	6.1125e+03	-4.3211e+05
	417	9.1450e+01	2.9146e+03	4.6826e+01	1.1718e+04	8.8759e+03	-5.0063e+05
838	323	2.1945e+03	-4.6189e+03	2.6011e+02	-1.8506e+04	-4.0208e+04	-7.2343e+05
	386	-2.1945e+03	4.6189e+03	-2.6011e+02	1.8506e+04	-4.3509e+04	-7.5518e+05
839	329	-4.8262e+02	-4.5250e+03	4.1699e+02	-1.8506e+04	-6.6179e+04	-7.0762e+05
	385	4.8262e+02	4.5250e+03	-4.1699e+02	1.8506e+04	-6.7384e+04	-7.4099e+05
840	333	-6.2199e+02	-5.0825e+03	9.4842e+02	-1.8506e+04	-1.5184e+05	-8.0267e+05
	384	6.2199e+02	5.0825e+03	-9.4842e+02	1.8506e+04	-1.5166e+05	-8.2387e+05
841	331	-1.9225e+02	-3.1028e+03	-3.7695e+01	-1.2886e+04	6.1421e+03	-4.8913e+05
	383	1.9225e+02	3.1028e+03	3.7695e+01	1.2886e+04	5.9325e+03	-5.0390e+05
842	325	-4.1347e+02	-4.9334e+03	-1.9424e+02	-1.8506e+04	3.1068e+04	-7.7804e+05
	382	4.1347e+02	4.9334e+03	1.9424e+02	1.8506e+04	3.1136e+04	-8.0081e+05
843	318	1.3952e+03	-2.1621e+03	-3.8556e+02	-1.8506e+04	6.1511e+04	-3.2454e+05
	381	-1.3952e+03	2.1621e+03	3.8556e+02	1.8506e+04	6.1918e+04	-3.6924e+05
844	317	-2.2790e+03	-3.1959e+03	-1.6274e+02	-1.2886e+04	2.5815e+04	-5.0615e+05
	380	2.2790e+03	3.1959e+03	1.6274e+02	1.2886e+04	2.6398e+04	-5.1664e+05
845	332	1.2829e+03	-4.8718e+03	2.9849e+02	-1.8506e+04	-4.7938e+04	-7.6788e+05
	378	-1.2829e+03	4.8718e+03	-2.9849e+02	1.8506e+04	-4.7636e+04	-7.9126e+05
846	322	5.9084e+02	-2.3400e+03	-2.4954e+02	-1.8506e+04	3.9805e+04	-3.5319e+05
	376	-5.9084e+02	2.3400e+03	2.4954e+02	1.8506e+04	4.0069e+04	-3.9735e+05
847	328	-1.4854e+03	-1.9525e+03	3.1247e+02	-1.8506e+04	-5.0099e+04	-2.8941e+05
	375	1.4854e+03	1.9525e+03	-3.1247e+02	1.8506e+04	-4.9935e+04	-3.3771e+05
848	327	-4.7986e+01	-2.3962e+03	-8.4435e+01	-1.8506e+04	1.3426e+04	-3.6336e+05
	373	4.7986e+01	2.3962e+03	8.4435e+01	1.8506e+04	1.3597e+04	-4.0512e+05
849	319	6.5666e+02	-3.1551e+03	7.3557e+01	-1.2886e+04	-1.1861e+04	-4.9801e+05
	371	-6.5666e+02	3.1551e+03	-7.3557e+01	1.2886e+04	-1.1712e+04	-5.1176e+05
850	324	-6.8217e+02	-3.0819e+03	-1.4992e+02	-1.2886e+04	2.3985e+04	-4.8569e+05
	370	6.8217e+02	3.0819e+03	1.4992e+02	1.2886e+04	2.4022e+04	-5.0066e+05
851	302	-1.7945e+03	-1.6251e+03	4.3063e+02	-1.2886e+04	-6.8550e+04	-2.5521e+05
	368	1.7945e+03	1.6251e+03	-4.3063e+02	1.2886e+04	-6.9269e+04	-2.6495e+05
852	307	-1.7742e+03	-1.5128e+03	-1.8910e+02	-1.2886e+04	3.0343e+04	-2.3677e+05
	367	1.7742e+03	1.5128e+03	1.8910e+02	1.2886e+04	3.0280e+04	-2.4748e+05
853	314	-6.9318e+01	-1.5061e+03	1.4529e+01	-1.2886e+04	-2.3975e+03	-2.3585e+05
	366	6.9318e+01	1.5061e+03	-1.4529e+01	1.2886e+04	-2.6029e+03	-2.4622e+05
854	298	1.2918e+03	-4.5722e+03	-4.5513e+02	-1.8506e+04	7.3211e+04	-7.2156e+05
	364	-1.2918e+03	4.5722e+03	4.5513e+02	1.8506e+04	7.2480e+04	-7.4170e+05
855	309	5.2527e+03	-2.2928e+03	-1.6042e+03	-1.5682e+04	2.5860e+05	-3.5633e+05
	363	-5.2527e+03	2.2928e+03	1.6042e+03	1.5682e+04	2.5474e+05	-3.7770e+05
856	306	-1.6899e+03	-4.6455e+03	6.5704e+02	-1.8506e+04	-1.0613e+05	-7.3257e+05
	362	1.6899e+03	4.6455e+03	-6.5704e+02	1.8506e+04	-1.0424e+05	-7.5414e+05
857	315	-3.0311e+02	-2.3708e+03	1.3753e+02	-1.8506e+04	-2.2099e+04	-3.5843e+05
	361	3.0311e+02	2.3708e+03	-1.3753e+02	1.8506e+04	-2.1930e+04	-4.0195e+05
858	311	1.0038e+03	-1.4804e+03	3.1547e+02	-1.8506e+04	-5.0346e+04	-2.1979e+05
	356	-1.0038e+03	1.4804e+03	-3.1547e+02	1.8506e+04	-5.0700e+04	-2.5530e+05
859	303	2.2938e+03	-1.5586e+03	-3.0459e+02	-1.2886e+04	4.9605e+04	-2.4415e+05

	355	-2.2938e+03	1.5586e+03	3.0459e+02	1.2886e+04	4.7868e+04	-2.5474e+05
860	310	1.4977e+03	-3.8941e+03	-1.5557e+02	-1.8506e+04	2.5168e+04	-6.0439e+05
	354	-1.4977e+03	3.8941e+03	1.5557e+02	1.8506e+04	2.4775e+04	-6.4257e+05
861	313	-2.2117e+03	-2.2241e+03	2.3583e+02	-1.8506e+04	-3.6242e+04	-3.4323e+05
	353	2.2117e+03	2.2241e+03	-2.3583e+02	1.8506e+04	-3.9786e+04	-3.6915e+05
862	308	-1.9516e+03	-2.1548e+03	6.6812e+02	-1.8506e+04	-1.0748e+05	-3.3089e+05
	352	1.9516e+03	2.1548e+03	-6.6812e+02	1.8506e+04	-1.0633e+05	-3.5929e+05
863	301	-8.4419e+02	-1.4637e+03	9.3448e+02	-1.8506e+04	-1.4998e+05	-2.1587e+05
	350	8.4419e+02	1.4637e+03	-9.3448e+02	1.8506e+04	-1.4906e+05	-2.5397e+05
864	300	9.3288e+02	-1.7187e+03	1.3980e+02	-1.2886e+04	-2.2451e+04	-2.6957e+05
	349	-9.3288e+02	1.7187e+03	-1.3980e+02	1.2886e+04	-2.2319e+04	-2.8052e+05
865	312	4.3165e+02	-1.6095e+03	1.7953e+02	-1.8506e+04	-2.8716e+04	-2.4019e+05
	348	-4.3165e+02	1.6095e+03	-1.7953e+02	1.8506e+04	-2.8780e+04	-2.7614e+05
866	316	-4.2905e+03	-1.7162e+03	4.0499e+03	-1.8506e+04	-6.5413e+05	-2.7144e+05
	347	4.2905e+03	1.7162e+03	-4.0499e+03	1.8506e+04	-6.4190e+05	-2.7780e+05
867	304	-6.1854e+02	-3.2711e+03	1.0746e+02	-1.2886e+04	-1.7174e+04	-5.1931e+05
	339	6.1854e+02	3.2711e+03	-1.0746e+02	1.2886e+04	-1.7214e+04	-5.2746e+05
868	305	-4.8436e+03	-2.4260e+03	4.0546e+02	-1.8506e+04	-6.3916e+04	-3.7620e+05
	338	4.8436e+03	2.4260e+03	-4.0546e+02	1.8506e+04	-6.5873e+04	-4.0072e+05
869	299	6.9053e+02	-3.2410e+03	-1.8241e+02	-1.2886e+04	2.9545e+04	-5.1457e+05
	334	-6.9053e+02	3.2410e+03	1.8241e+02	1.2886e+04	2.8831e+04	-5.2259e+05
870	265	-1.0527e+03	-5.6323e+03	9.4535e+02	-1.7751e+04	-1.5436e+05	-9.1455e+05
	333	1.0527e+03	5.6323e+03	-9.4535e+02	1.7751e+04	-1.4816e+05	-8.8786e+05
871	264	2.3369e+03	-5.4143e+03	3.1705e+02	-1.7751e+04	-5.4072e+04	-8.8035e+05
	332	-2.3369e+03	5.4143e+03	-3.1705e+02	1.7751e+04	-4.7416e+04	-8.5234e+05
872	238	-3.1307e+02	-3.3591e+03	-3.5535e+01	-1.2361e+04	5.5689e+03	-5.4685e+05
	331	3.1307e+02	3.3591e+03	3.5535e+01	1.2361e+04	5.8213e+03	-5.2815e+05
873	234	-8.3872e+02	-5.0405e+03	4.2031e+02	-1.7751e+04	-7.1776e+04	-8.2869e+05
	329	8.3872e+02	5.0405e+03	-4.2031e+02	1.7751e+04	-6.2806e+04	-7.8469e+05
874	242	-2.5587e+03	-2.2822e+03	3.3056e+02	-1.7751e+04	-5.6204e+04	-3.8346e+05
	328	2.5587e+03	2.2822e+03	-3.3056e+02	1.7751e+04	-4.9605e+04	-3.4854e+05
875	240	-6.2710e+01	-2.7850e+03	-8.1011e+01	-1.7751e+04	1.3038e+04	-4.6378e+05
	327	6.2710e+01	2.7850e+03	8.1011e+01	1.7751e+04	1.2888e+04	-4.2864e+05
876	233	-7.8907e+02	-5.4830e+03	-1.9895e+02	-1.7751e+04	3.3568e+04	-8.9139e+05
	325	7.8907e+02	5.4830e+03	1.9895e+02	1.7751e+04	3.0131e+04	-8.6327e+05
877	244	-1.1203e+03	-3.3331e+03	-1.5463e+02	-1.2361e+04	2.6009e+04	-5.4255e+05
	324	1.1203e+03	3.3331e+03	1.5463e+02	1.2361e+04	2.3517e+04	-5.2414e+05
878	235	3.6147e+03	-5.1970e+03	2.9793e+02	-1.7751e+04	-5.5636e+04	-8.5725e+05
	323	-3.6147e+03	5.1970e+03	-2.9793e+02	1.7751e+04	-4.0120e+04	-8.0610e+05
879	245	1.0065e+03	-2.7151e+03	-2.6188e+02	-1.7751e+04	4.3955e+04	-4.5305e+05
	322	-1.0065e+03	2.7151e+03	2.6188e+02	1.7751e+04	3.9866e+04	-4.1705e+05
880	239	1.0578e+03	-3.4203e+03	8.5862e+01	-1.2361e+04	-1.5185e+04	-5.5664e+05
	319	-1.0578e+03	3.4203e+03	-8.5862e+01	1.2361e+04	-1.2314e+04	-5.3796e+05
881	241	2.3747e+03	-2.5218e+03	-4.1925e+02	-1.7751e+04	7.1398e+04	-4.2144e+05
	318	-2.3747e+03	2.5218e+03	4.1925e+02	1.7751e+04	6.2810e+04	-3.8694e+05
882	236	-3.9360e+03	-3.4775e+03	-1.7927e+02	-1.2361e+04	3.1972e+04	-5.6521e+05
	317	3.9360e+03	3.4775e+03	1.7927e+02	1.2361e+04	2.5530e+04	-5.4766e+05
883	243	-7.8301e+03	-1.8718e+03	4.2108e+03	-1.7751e+04	-6.9215e+05	-3.0116e+05
	316	7.8301e+03	1.8718e+03	-4.2108e+03	1.7751e+04	-6.5531e+05	-2.9785e+05
884	246	-5.3075e+02	-2.7456e+03	1.4844e+02	-1.7751e+04	-2.5286e+04	-4.5758e+05

	315	5.3075e+02	2.7456e+03	-1.4844e+02	1.7751e+04	-2.2226e+04	-4.2224e+05
885	251	-8.5854e+01	-1.7122e+03	2.2181e+01	-1.2361e+04	-4.9700e+03	-2.7692e+05
	314	8.5854e+01	1.7122e+03	-2.2181e+01	1.2361e+04	-2.3596e+03	-2.7106e+05
886	253	-3.5227e+03	-2.5713e+03	2.8127e+02	-1.7751e+04	-5.3251e+04	-4.1904e+05
	313	3.5227e+03	2.5713e+03	-2.8127e+02	1.7751e+04	-3.7239e+04	-4.0407e+05
887	261	6.4933e+02	-1.8622e+03	1.8327e+02	-1.7751e+04	-3.1281e+04	-3.0199e+05
	312	-6.4933e+02	1.8622e+03	-1.8327e+02	1.7751e+04	-2.7399e+04	-2.9476e+05
888	257	1.5839e+03	-1.7243e+03	-3.2921e+02	-1.7751e+04	5.6514e+04	-2.7919e+05
	311	-1.5839e+03	1.7243e+03	3.2921e+02	1.7751e+04	4.8892e+04	-2.7348e+05
889	247	2.6412e+03	-4.3808e+03	1.8083e+02	-1.7751e+04	-3.2805e+04	-7.2388e+05
	310	-2.6412e+03	4.3808e+03	-1.8083e+02	1.7751e+04	-2.5195e+04	-6.7856e+05
890	248	9.6237e+03	-2.6360e+03	-1.5778e+03	-1.5042e+04	2.5239e+05	-4.3106e+05
	309	-9.6237e+03	2.6360e+03	1.5778e+03	1.5042e+04	2.5250e+05	-4.1267e+05
891	255	-3.5104e+03	-2.4565e+03	6.9606e+02	-1.7751e+04	-1.1535e+05	-3.9728e+05
	308	3.5104e+03	2.4565e+03	-6.9606e+02	1.7751e+04	-1.0741e+05	-3.8922e+05
892	256	-2.8262e+03	-1.7096e+03	-2.1710e+02	-1.2361e+04	3.8398e+04	-2.7677e+05
	307	2.8262e+03	1.7096e+03	2.1710e+02	1.2361e+04	3.1138e+04	-2.7039e+05
893	258	-2.6915e+03	-5.1984e+03	7.2198e+02	-1.7751e+04	-1.2257e+05	-8.4586e+05
	306	2.6915e+03	5.1984e+03	-7.2198e+02	1.7751e+04	-1.0852e+05	-8.1772e+05
894	260	-8.2442e+03	-2.7672e+03	4.0126e+02	-1.7751e+04	-6.6875e+04	-4.4521e+05
	305	8.2442e+03	2.7672e+03	-4.0126e+02	1.7751e+04	-6.1565e+04	-4.4073e+05
895	262	-1.4178e+03	-3.5268e+03	1.0044e+02	-1.2361e+04	-1.5905e+04	-5.6814e+05
	304	1.4178e+03	3.5268e+03	-1.0044e+02	1.2361e+04	-1.6237e+04	-5.6046e+05
896	250	3.9827e+03	-1.7504e+03	-3.3487e+02	-1.2361e+04	5.4394e+04	-2.8225e+05
	303	-3.9827e+03	1.7504e+03	3.3487e+02	1.2361e+04	5.2767e+04	-2.7796e+05
897	254	-2.9270e+03	-1.8295e+03	4.2993e+02	-1.2361e+04	-7.0233e+04	-2.9514e+05
	302	2.9270e+03	1.8295e+03	-4.2993e+02	1.2361e+04	-6.7384e+04	-2.9036e+05
898	259	-1.5448e+03	-1.6843e+03	9.2836e+02	-1.7751e+04	-1.5096e+05	-2.7269e+05
	301	1.5448e+03	1.6843e+03	-9.2836e+02	1.7751e+04	-1.4611e+05	-2.6729e+05
899	252	1.5073e+03	-1.9111e+03	-1.5275e+02	-1.2361e+04	2.6294e+04	-3.0800e+05
	300	-1.5073e+03	1.9111e+03	1.5275e+02	1.2361e+04	2.2606e+04	-3.0361e+05
900	263	1.2678e+03	-3.4848e+03	-1.6718e+02	-1.2361e+04	2.6399e+04	-5.6076e+05
	299	-1.2678e+03	3.4848e+03	1.6718e+02	1.2361e+04	2.7176e+04	-5.5439e+05
901	249	1.8358e+03	-5.1494e+03	-4.7389e+02	-1.7751e+04	7.9006e+04	-8.3827e+05
	298	-1.8358e+03	5.1494e+03	4.7389e+02	1.7751e+04	7.2670e+04	-8.0965e+05
902	142	-1.5817e+03	-3.7027e+03	4.6738e+02	-1.0594e+04	-7.9811e+04	-6.3082e+05
	265	1.5817e+03	3.7027e+03	-4.6738e+02	1.0594e+04	-7.3961e+04	-5.8745e+05
903	143	3.3672e+03	-3.5270e+03	1.7579e+02	-1.0594e+04	-3.7850e+04	-6.0306e+05
	264	-3.3672e+03	3.5270e+03	-1.7579e+02	1.0594e+04	-2.0300e+04	-5.5743e+05
904	144	1.8067e+03	-2.3607e+03	-1.2058e+02	-7.3770e+03	1.8435e+04	-3.9831e+05
	263	-1.8067e+03	2.3607e+03	1.2058e+02	7.3770e+03	2.1481e+04	-3.7837e+05
905	145	-2.2998e+03	-2.3261e+03	7.3963e+01	-7.3770e+03	-1.1048e+04	-3.8775e+05
	262	2.2998e+03	2.3261e+03	-7.3963e+01	7.3770e+03	-1.3482e+04	-3.7756e+05
906	138	8.5874e+02	-1.9746e+03	1.2410e+02	-1.0594e+04	-2.7796e+04	-4.2604e+05
	261	-8.5874e+02	1.9746e+03	-1.2410e+02	1.0594e+04	-1.3479e+04	-2.2410e+05
907	140	-1.1688e+04	-2.6850e+03	2.1642e+02	-1.0594e+04	-4.3073e+04	-5.3543e+05
	260	1.1688e+04	2.6850e+03	-2.1642e+02	1.0594e+04	-2.8175e+04	-3.4824e+05
908	139	-2.0406e+03	-1.8131e+03	4.4682e+02	-1.0594e+04	-7.6757e+04	-4.0068e+05
	259	2.0406e+03	1.8131e+03	-4.4682e+02	1.0594e+04	-7.0265e+04	-1.9654e+05
909	141	-3.3874e+03	-3.4692e+03	4.2596e+02	-1.0594e+04	-8.8894e+04	-6.0209e+05

	258	3.3874e+03	3.4692e+03	-4.2596e+02	1.0594e+04	-5.1315e+04	-5.3936e+05
910	137	2.0468e+03	-1.8776e+03	-2.0756e+02	-1.0594e+04	4.7087e+04	-4.1250e+05
	257	-2.0468e+03	1.8776e+03	2.0756e+02	1.0594e+04	2.1630e+04	-2.0593e+05
911	136	-3.6082e+03	-1.4555e+03	1.3545e+02	-7.3770e+03	-3.2591e+04	-2.6899e+05
	256	3.6082e+03	1.4555e+03	-1.3545e+02	7.3770e+03	-1.2248e+04	-2.0997e+05
912	131	-4.6194e+03	-2.1719e+03	3.4449e+02	-1.0594e+04	-6.5216e+04	-4.2531e+05
	255	4.6194e+03	2.1719e+03	-3.4449e+02	1.0594e+04	-4.8326e+04	-2.8949e+05
913	132	-3.7927e+03	-1.5316e+03	2.8415e+02	-7.3770e+03	-5.2874e+04	-2.7975e+05
	254	3.7927e+03	1.5316e+03	-2.8415e+02	7.3770e+03	-4.0835e+04	-2.2418e+05
914	130	-4.4957e+03	-2.2932e+03	1.8332e+02	-1.0594e+04	-5.7704e+04	-4.4389e+05
	253	4.4957e+03	2.2932e+03	-1.8332e+02	1.0594e+04	-5.2691e+03	-3.1082e+05
915	135	1.9690e+03	-1.5462e+03	1.0169e+02	-7.3770e+03	-2.2243e+04	-2.7877e+05
	252	-1.9690e+03	1.5462e+03	-1.0169e+02	7.3770e+03	-1.1262e+04	-2.2997e+05
916	133	-1.0229e+02	-1.4731e+03	1.3204e+01	-7.3770e+03	-6.8723e+03	-2.7258e+05
	251	1.0229e+02	1.4731e+03	-1.3204e+01	7.3770e+03	3.6501e+03	-2.1213e+05
917	134	5.7885e+03	-1.4602e+03	-2.5395e+02	-7.3770e+03	3.8703e+04	-2.6851e+05
	250	-5.7885e+03	1.4602e+03	2.5395e+02	7.3770e+03	4.4861e+04	-2.1195e+05
918	147	2.1628e+03	-3.4361e+03	-3.2500e+02	-1.0594e+04	6.6082e+04	-5.9680e+05
	249	-2.1628e+03	3.4361e+03	3.2500e+02	1.0594e+04	4.0869e+04	-5.3379e+05
919	148	1.3753e+04	-2.0705e+03	-8.0293e+02	-8.9774e+03	1.2318e+05	-4.0125e+05
	248	-1.3753e+04	2.0705e+03	8.0293e+02	8.9774e+03	1.4099e+05	-2.8023e+05
920	152	3.6544e+03	-3.3122e+03	1.0922e+02	-1.0594e+04	-2.9748e+04	-6.6359e+05
	247	-3.6544e+03	3.3122e+03	-1.0922e+02	1.0594e+04	-8.4752e+03	-4.2664e+05
921	153	-7.0329e+02	-2.6165e+03	7.1925e+01	-1.0594e+04	-1.4918e+04	-5.8722e+05
	246	7.0329e+02	2.6165e+03	-7.1925e+01	1.0594e+04	-8.8218e+03	-2.7475e+05
922	155	1.3849e+03	-2.5778e+03	-1.8544e+02	-1.0594e+04	3.7032e+04	-5.7993e+05
	245	-1.3849e+03	2.5778e+03	1.8544e+02	1.0594e+04	2.4019e+04	-2.6933e+05
923	159	-1.4827e+03	-2.3876e+03	-1.6478e+02	-7.3770e+03	3.6504e+04	-4.3730e+05
	244	1.4827e+03	2.3876e+03	1.6478e+02	7.3770e+03	1.7753e+04	-3.4830e+05
924	161	-1.1246e+04	-1.5732e+03	2.4107e+03	-1.0594e+04	-4.2670e+05	-2.9258e+05
	243	1.1246e+04	1.5732e+03	-2.4107e+03	1.0594e+04	-3.6647e+05	-2.2505e+05
925	151	-3.5434e+03	-2.3289e+03	1.7206e+02	-1.0594e+04	-3.6071e+04	-5.4871e+05
	242	3.5434e+03	2.3289e+03	-1.7206e+02	1.0594e+04	-2.0774e+04	-2.1923e+05
926	156	3.2710e+03	-2.4837e+03	-2.8800e+02	-1.0594e+04	5.9401e+04	-5.6988e+05
	241	-3.2710e+03	2.4837e+03	2.8800e+02	1.0594e+04	3.5463e+04	-2.4879e+05
927	154	-9.3210e+01	-2.6313e+03	-6.6834e+01	-1.0594e+04	1.2100e+04	-5.8846e+05
	240	9.3210e+01	2.6313e+03	6.6834e+01	1.0594e+04	9.9159e+03	-2.7834e+05
928	157	1.3971e+03	-2.4435e+03	3.8083e+01	-7.3770e+03	-8.9153e+03	-4.4481e+05
	239	-1.3971e+03	2.4435e+03	-3.8083e+01	7.3770e+03	-3.9357e+03	-3.5918e+05
929	158	-4.5781e+02	-2.4106e+03	-7.0513e+01	-7.3770e+03	1.5159e+04	-4.4082e+05
	238	4.5781e+02	2.4106e+03	7.0513e+01	7.3770e+03	8.0571e+03	-3.5235e+05
930	160	-5.4517e+03	-2.4726e+03	-2.0527e+02	-7.3770e+03	5.0674e+04	-4.4876e+05
	236	5.4517e+03	2.4726e+03	2.0527e+02	7.3770e+03	1.7055e+04	-3.6479e+05
931	149	5.2486e+03	-3.7419e+03	2.7709e+02	-1.0594e+04	-7.7411e+04	-7.1237e+05
	235	-5.2486e+03	3.7419e+03	-2.7709e+02	1.0594e+04	-1.4805e+04	-5.1897e+05
932	150	-1.2750e+03	-3.6967e+03	2.7756e+02	-1.0594e+04	-6.4644e+04	-7.1365e+05
	234	1.2750e+03	3.6967e+03	-2.7756e+02	1.0594e+04	-2.7266e+04	-5.0289e+05
933	146	-1.0619e+03	-3.5923e+03	-1.6248e+02	-1.0594e+04	3.5825e+04	-6.1375e+05
	233	1.0619e+03	3.5923e+03	1.6248e+02	1.0594e+04	1.7683e+04	-5.6820e+05
934	127	-5.5221e+02	-3.7593e+02	8.5042e+01	2.8924e+02	-1.3632e+04	-9.6808e+04

	195	5.5221e+02	3.7593e+02	-8.5042e+01	-2.8924e+02	-1.4452e+04	-2.7296e+04
935	126	-6.5371e+02	3.4919e+02	3.3896e+01	2.8924e+02	-6.3869e+03	3.4772e+04
	194	6.5371e+02	-3.4919e+02	-3.3896e+01	-2.8924e+02	-5.3168e+03	8.0984e+04
936	51	-5.1006e+03	9.6639e+02	-1.4125e+02	2.8924e+02	2.1987e+04	9.3069e+04
	160	5.1006e+03	-9.6639e+02	1.4125e+02	-2.8924e+02	2.4701e+04	2.2667e+05
937	50	-1.1339e+03	6.0740e+02	-9.2722e+01	2.8924e+02	1.5972e+04	1.2909e+04
	159	1.1339e+03	-6.0740e+02	9.2722e+01	-2.8924e+02	1.4784e+04	1.9549e+05
938	49	2.6226e+02	5.5733e+02	-6.3068e+01	2.8924e+02	1.1917e+04	-1.3570e+04
	158	-2.6226e+02	-5.5733e+02	6.3068e+01	-2.8924e+02	9.1872e+03	1.8697e+05
939	48	1.5354e+03	5.6888e+02	-3.6909e+01	2.8924e+02	7.7876e+03	1.3202e+04
	157	-1.5354e+03	-5.6888e+02	3.6909e+01	-2.8924e+02	5.3809e+03	1.8685e+05
940	47	3.1869e+03	1.2459e+03	2.6560e+02	2.8924e+02	-3.8281e+04	1.1325e+05
	156	-3.1869e+03	-1.2459e+03	-2.6560e+02	-2.8924e+02	-4.9422e+04	2.9836e+05
941	46	1.3005e+03	8.9587e+02	2.0033e+02	2.8924e+02	-3.1172e+04	3.5983e+04
	155	-1.3005e+03	-8.9587e+02	-2.0033e+02	-2.8924e+02	-3.4979e+04	2.6125e+05
942	45	-9.0308e+01	8.5843e+02	1.3776e+02	2.8924e+02	-2.2860e+04	3.2382e+04
	154	9.0308e+01	-8.5843e+02	-1.3776e+02	-2.8924e+02	-2.2631e+04	2.5290e+05
943	44	-7.7596e+02	8.7508e+02	5.3919e+01	2.8924e+02	-1.1144e+04	3.6542e+04
	153	7.7596e+02	-8.7508e+02	-5.3919e+01	-2.8924e+02	-6.7957e+03	2.5413e+05
944	43	3.6323e+03	1.1324e+03	-6.9010e+01	2.8924e+02	7.6433e+03	5.9370e+04
	152	-3.6323e+03	-1.1324e+03	6.9010e+01	-2.8924e+02	1.6177e+04	3.1523e+05
945	42	-3.5411e+03	9.5028e+02	-9.9206e+01	2.8924e+02	1.2693e+04	4.0677e+04
	151	3.5411e+03	-9.5028e+02	9.9206e+01	-2.8924e+02	2.0827e+04	2.7420e+05
946	41	-1.3567e+03	1.0376e+03	3.1106e+01	2.8924e+02	-6.2023e+03	5.1592e+04
	150	1.3567e+03	-1.0376e+03	-3.1106e+01	-2.8924e+02	-9.3834e+03	2.9124e+05
947	40	4.8100e+03	1.5942e+03	5.4818e+01	2.8924e+02	-3.5624e+03	1.6649e+05
	149	-4.8100e+03	-1.5942e+03	-5.4818e+01	-2.8924e+02	-1.6622e+04	3.5987e+05
948	39	1.4319e+04	1.6430e+03	2.9544e+02	2.8924e+02	-3.8834e+04	2.1260e+05
	148	-1.4319e+04	-1.6430e+03	-2.9544e+02	-2.8924e+02	-5.8846e+04	3.3006e+05
949	38	2.5973e+03	1.4063e+03	1.8799e+02	2.8924e+02	-2.5814e+04	1.3532e+05
	147	-2.5973e+03	-1.4063e+03	-1.8799e+02	-2.8924e+02	-3.6403e+04	3.2911e+05
950	37	-9.9967e+02	7.8671e+02	1.9268e+02	2.8924e+02	-3.1728e+04	-1.2086e+04
	146	9.9967e+02	-7.8671e+02	-1.9268e+02	-2.8924e+02	-3.1917e+04	2.6279e+05
951	36	-1.7925e+03	4.7143e+02	4.4703e+02	2.8924e+02	-8.1849e+04	-1.8042e+04
	145	1.7925e+03	-4.7143e+02	-4.4703e+02	-2.8924e+02	-6.5673e+04	1.7178e+05
952	35	1.5346e+03	1.2280e+03	-2.2121e+02	2.8924e+02	3.6168e+04	1.7474e+05
	144	-1.5346e+03	-1.2280e+03	2.2121e+02	-2.8924e+02	3.7053e+04	2.3121e+05
953	34	3.6309e+03	6.1898e+02	-2.6527e+02	2.8924e+02	5.3715e+04	-5.5439e+04
	143	-3.6309e+03	-6.1898e+02	2.6527e+02	-2.8924e+02	3.4290e+04	2.5000e+05
954	33	-1.7608e+03	8.6736e+02	-1.3314e+02	2.8924e+02	1.6370e+04	2.6212e+04
	142	1.7608e+03	-8.6736e+02	1.3314e+02	-2.8924e+02	2.9790e+04	2.6316e+05
955	32	-4.0570e+03	1.4826e+03	-1.4969e+02	2.8924e+02	1.5729e+04	1.5479e+05
	141	4.0570e+03	-1.4826e+03	1.4969e+02	-2.8924e+02	3.4840e+04	3.3460e+05
956	31	-1.4556e+04	-8.6143e+01	1.7532e+02	2.8924e+02	-3.6233e+04	-6.8608e+04
	140	1.4556e+04	8.6143e+01	-1.7532e+02	-2.8924e+02	-2.3201e+04	5.8692e+04
957	30	-1.7429e+03	3.5635e+02	-2.4874e+02	2.8924e+02	3.7761e+04	-4.6249e+04
	139	1.7429e+03	-3.5635e+02	2.4874e+02	-2.8924e+02	4.4367e+04	1.6296e+05
958	29	1.2196e+03	2.3067e+02	3.2369e+02	2.8924e+02	-5.3391e+04	-6.1883e+04
	138	-1.2196e+03	-2.3067e+02	-3.2369e+02	-2.8924e+02	-5.3458e+04	1.3696e+05
959	28	1.9538e+03	8.9787e+02	4.8822e+02	2.8924e+02	-8.0864e+04	8.3557e+04

	137	-1.9538e+03	-8.9787e+02	-4.8822e+02	-2.8924e+02	-8.0419e+04	2.1291e+05
960	27	4.3146e+03	5.2070e+02	7.8824e+02	2.8924e+02	-1.3595e+05	4.0791e+04
	136	-4.3146e+03	-5.2070e+02	-7.8824e+02	-2.8924e+02	-1.2421e+05	1.3121e+05
961	26	2.6604e+03	2.4454e+02	4.7489e+02	2.8924e+02	-8.3047e+04	-2.1984e+04
	135	-2.6604e+03	-2.4454e+02	-4.7489e+02	-2.8924e+02	-7.3688e+04	1.0183e+05
962	582	5.8817e+03	3.9586e+02	-1.5129e+02	2.8924e+02	2.4161e+04	1.0458e+04
	134	-5.8817e+03	-3.9586e+02	1.5129e+02	-2.8924e+02	2.5811e+04	1.2098e+05
963	469	2.2018e+02	6.1893e+02	6.5599e+01	2.8924e+02	-1.2627e+04	6.7866e+04
	133	-2.2018e+02	-6.1893e+02	-6.5599e+01	-2.8924e+02	-9.1967e+03	1.3655e+05
964	23	-3.7775e+03	3.1871e+02	2.8406e+02	2.8924e+02	-4.7572e+04	7.1887e+03
	132	3.7775e+03	-3.1871e+02	-2.8406e+02	-2.8924e+02	-4.6171e+04	1.0195e+05
965	22	-4.7255e+03	5.9819e+02	-3.5600e+02	2.8924e+02	6.0035e+04	1.8863e+04
	131	4.7255e+03	-5.9819e+02	3.5600e+02	-2.8924e+02	5.7509e+04	1.7880e+05
966	21	-5.0273e+03	8.4998e+02	-5.5450e+02	2.8924e+02	9.4151e+04	8.4302e+04
	130	5.0273e+03	-8.4998e+02	5.5450e+02	-2.8924e+02	8.8905e+04	1.9665e+05
361	256	7.5205e-12	-1.7249e+03	6.4252e+02	2.0537e+04	-8.9968e+04	-2.4153e+05
	2	-7.5205e-12	1.7249e+03	-6.4252e+02	-2.0537e+04	-1.1591e+05	-3.1116e+05
362	252	4.3668e-11	-1.7268e+03	6.4323e+02	1.1652e+04	-1.0029e+05	-2.6923e+05
	256	-4.3668e-11	1.7268e+03	-6.4323e+02	-1.1652e+04	-1.0428e+05	-2.7994e+05
363	250	-1.6271e-11	-1.9484e+03	7.2576e+02	2.1452e+04	-1.1708e+05	-3.1431e+05
	252	1.6271e-11	1.9484e+03	-7.2576e+02	-2.1452e+04	-1.1371e+05	-3.0527e+05
364	251	1.6566e-11	-1.5247e+03	5.6795e+02	-6.4717e+03	-9.0544e+04	-2.4307e+05
	250	-1.6566e-11	1.5247e+03	-5.6795e+02	6.4717e+03	-9.0065e+04	-2.4179e+05
365	254	1.4597e-11	-1.4861e+03	5.5358e+02	-4.8643e+03	-8.8871e+04	-2.3858e+05
	251	-1.4597e-11	1.4861e+03	-5.5358e+02	4.8643e+03	-9.1042e+04	-2.4441e+05
366	255	1.4693e-11	-1.9654e+03	7.3209e+02	9.4013e+03	-1.2593e+05	-3.3807e+05
	254	-1.4693e-11	1.9654e+03	-7.3209e+02	-9.4013e+03	-1.1493e+05	-3.0853e+05
367	253	-7.3467e-12	-2.4532e+03	9.1383e+02	2.6772e+04	-1.3738e+05	-3.6880e+05
	255	7.3467e-12	2.4532e+03	-9.1383e+02	-2.6772e+04	-1.3907e+05	-3.7334e+05
368	59	-3.0129e-11	-1.9917e+03	7.4189e+02	2.3661e+04	-1.2570e+05	-3.3745e+05
	253	3.0129e-11	1.9917e+03	-7.4189e+02	-2.3661e+04	-1.0542e+05	-2.8302e+05
377	54	4.3694e-11	3.6725e+03	-1.3680e+03	2.1357e+04	2.4079e+05	6.4641e+05
	236	-4.3694e-11	-3.6725e+03	1.3680e+03	-2.1357e+04	1.9746e+05	5.3009e+05
378	236	-3.0063e-11	2.8783e+03	-1.0722e+03	1.3197e+04	1.6908e+05	4.5391e+05
	244	3.0063e-11	-2.8783e+03	1.0722e+03	-1.3197e+04	1.7187e+05	4.6140e+05
379	244	1.5248e-11	2.9776e+03	-1.1092e+03	9.6800e+03	1.7665e+05	4.7424e+05
	238	-1.5248e-11	-2.9776e+03	1.1092e+03	-9.6800e+03	1.7606e+05	4.7264e+05
380	238	-1.0491e-11	2.9533e+03	-1.1001e+03	9.9567e+03	1.7554e+05	4.7126e+05
	239	1.0491e-11	-2.9533e+03	1.1001e+03	-9.9567e+03	1.7428e+05	4.6788e+05
381	239	1.5320e-11	3.1221e+03	-1.1630e+03	1.2402e+04	1.8443e+05	4.9512e+05
	247	-1.5320e-11	-3.1221e+03	1.1630e+03	-1.2402e+04	2.0575e+05	5.5236e+05
382	247	-1.4596e-11	3.9454e+03	-1.4697e+03	7.4999e+03	2.2993e+05	6.1726e+05
	234	1.4596e-11	-3.9454e+03	1.4697e+03	-7.4999e+03	2.2273e+05	5.9793e+05
383	234	-2.9148e-11	3.7099e+03	-1.3819e+03	1.7420e+04	2.1743e+05	5.8370e+05
	235	2.9148e-11	-3.7099e+03	1.3819e+03	-1.7420e+04	2.1512e+05	5.7751e+05
384	235	-2.1924e-11	4.7113e+03	-1.7549e+03	2.5959e+04	2.5491e+05	6.8433e+05
	56	2.1924e-11	-4.7113e+03	1.7549e+03	-2.5959e+04	2.9152e+05	7.8261e+05
446	307	-8.7316e-11	-1.7268e+03	6.4321e+02	2.5590e+04	-9.1188e+04	-2.4480e+05
	165	8.7316e-11	1.7268e+03	-6.4321e+02	-2.5590e+04	-1.1492e+05	-3.0852e+05
447	300	-2.9122e-11	-1.8268e+03	6.8046e+02	1.4297e+04	-1.0591e+05	-2.8432e+05

	307	2.9122e-11	1.8268e+03	-6.8046e+02	-1.4297e+04	-1.1050e+05	-2.9666e+05
448	303	-3.2606e-11	-2.0704e+03	7.7123e+02	2.2874e+04	-1.2427e+05	-3.3362e+05
	300	3.2606e-11	2.0704e+03	-7.7123e+02	-2.2874e+04	-1.2098e+05	-3.2478e+05
449	314	4.1212e-11	-1.5636e+03	5.8243e+02	-7.7337e+03	-9.3142e+04	-2.5005e+05
	303	-4.1212e-11	1.5636e+03	-5.8243e+02	7.7337e+03	-9.2071e+04	-2.4717e+05
450	302	-8.8610e-11	-1.5477e+03	5.7651e+02	-5.7253e+03	-9.2406e+04	-2.4807e+05
	314	8.8610e-11	1.5477e+03	-5.7651e+02	5.7253e+03	-9.4959e+04	-2.5493e+05
451	308	6.0109e-11	-2.0546e+03	7.6535e+02	1.1510e+04	-1.3130e+05	-3.5248e+05
	302	-6.0109e-11	2.0546e+03	-7.6535e+02	-1.1510e+04	-1.2050e+05	-3.2350e+05
452	313	2.9221e-11	-2.5689e+03	9.5691e+02	3.2050e+04	-1.4447e+05	-3.8784e+05
	308	-2.9221e-11	2.5689e+03	-9.5691e+02	-3.2050e+04	-1.4501e+05	-3.8929e+05
453	80	-9.1877e-13	-1.9504e+03	7.2653e+02	2.5313e+04	-1.2024e+05	-3.2278e+05
	313	9.1877e-13	1.9504e+03	-7.2653e+02	-2.5313e+04	-1.0610e+05	-2.8484e+05
462	125	5.8323e-11	4.0847e+03	-1.5216e+03	2.6923e+04	2.6624e+05	7.1475e+05
	317	-5.8323e-11	-4.0847e+03	1.5216e+03	-2.6923e+04	2.2119e+05	5.9381e+05
463	317	-2.9330e-11	3.2605e+03	-1.2145e+03	1.6037e+04	1.9155e+05	5.1423e+05
	324	2.9330e-11	-3.2605e+03	1.2145e+03	-1.6037e+04	1.9467e+05	5.2261e+05
464	324	-5.4570e-12	3.3404e+03	-1.2443e+03	1.1714e+04	1.9808e+05	5.3176e+05
	331	5.4570e-12	-3.3404e+03	1.2443e+03	-1.1714e+04	1.9760e+05	5.3048e+05
465	331	-2.9118e-11	3.3276e+03	-1.2395e+03	1.1984e+04	1.9772e+05	5.3080e+05
	319	2.9118e-11	-3.3276e+03	1.2395e+03	-1.1984e+04	1.9645e+05	5.2739e+05
466	319	-3.2793e-11	3.4929e+03	-1.3011e+03	1.4716e+04	2.0679e+05	5.5513e+05
	310	3.2793e-11	-3.4929e+03	1.3011e+03	-1.4716e+04	2.2974e+05	6.1675e+05
467	310	-5.8328e-11	4.3662e+03	-1.6264e+03	7.9539e+03	2.5421e+05	6.8245e+05
	329	5.8328e-11	-4.3662e+03	1.6264e+03	-7.9539e+03	2.4672e+05	6.6234e+05
468	329	-2.9178e-11	4.2361e+03	-1.5779e+03	2.1658e+04	2.4748e+05	6.6437e+05
	323	2.9178e-11	-4.2361e+03	1.5779e+03	-2.1658e+04	2.4642e+05	6.6154e+05
469	323	5.8321e-11	4.9534e+03	-1.8451e+03	2.6465e+04	2.7630e+05	7.4176e+05
	75	-5.8321e-11	-4.9534e+03	1.8451e+03	-2.6465e+04	2.9821e+05	8.0057e+05
564	441	5.8245e-11	-8.7888e+02	-3.2738e+02	2.4711e+04	4.3389e+04	-1.1648e+05
	170	-5.8245e-11	8.7888e+02	3.2738e+02	-2.4711e+04	6.1647e+04	-1.6550e+05
565	459	1.1645e-10	-8.8453e+02	-3.2949e+02	1.0606e+04	4.9053e+04	-1.3169e+05
	441	-1.1645e-10	8.8453e+02	3.2949e+02	-1.0606e+04	5.5844e+04	-1.4992e+05
566	439	-2.3285e-10	-1.1197e+03	-4.1710e+02	1.8470e+04	6.8603e+04	-1.8417e+05
	459	2.3285e-10	1.1197e+03	4.1710e+02	-1.8470e+04	6.4038e+04	-1.7192e+05
567	444	1.0501e-10	-6.5441e+02	-2.4376e+02	-7.5624e+03	4.0452e+04	-1.0860e+05
	439	-1.0501e-10	6.5441e+02	2.4376e+02	7.5624e+03	3.7095e+04	-9.9583e+04
568	423	-2.0468e-12	-6.6994e+02	-2.4955e+02	-7.6535e+03	3.7764e+04	-1.0138e+05
	444	2.0468e-12	6.6994e+02	2.4955e+02	7.6535e+03	4.3369e+04	-1.1643e+05
569	468	-6.5181e-11	-1.0787e+03	-4.0180e+02	1.4780e+04	7.0104e+04	-1.8820e+05
	423	6.5181e-11	1.0787e+03	4.0180e+02	-1.4780e+04	6.2094e+04	-1.6670e+05
570	432	-1.1648e-10	-1.3386e+03	-4.9864e+02	2.4984e+04	7.5731e+04	-2.0330e+05
	468	1.1648e-10	1.3386e+03	4.9864e+02	-2.4984e+04	7.5193e+04	-2.0186e+05
571	84	-2.4002e-10	-1.0823e+03	-4.0314e+02	2.3869e+04	6.8665e+04	-1.8434e+05
	432	2.4002e-10	1.0823e+03	4.0314e+02	-2.3869e+04	5.7268e+04	-1.5374e+05
580	163	5.8337e-11	2.1906e+03	8.1601e+02	2.2829e+04	-1.4992e+05	4.0246e+05
	419	-5.8337e-11	-2.1906e+03	-8.1601e+02	-2.2829e+04	-1.1151e+05	2.9934e+05
581	419	1.8419e-12	1.6817e+03	6.2643e+02	1.4305e+04	-9.8857e+04	2.6539e+05
	443	-1.8419e-12	-1.6817e+03	-6.2643e+02	-1.4305e+04	-1.0037e+05	2.6944e+05
582	443	1.7712e-10	1.7320e+03	6.4516e+02	1.0036e+04	-1.0207e+05	2.7402e+05

	417	-1.7712e-10	-1.7320e+03	-6.4516e+02	-1.0036e+04	-1.0309e+05	2.7676e+05
583	417	8.2346e-11	1.7160e+03	6.3920e+02	8.9461e+03	-1.0326e+05	2.7721e+05
	438	-8.2346e-11	-1.7160e+03	-6.3920e+02	-8.9461e+03	-1.0000e+05	2.6847e+05
584	438	1.1719e-13	1.8956e+03	7.0611e+02	1.1768e+04	-1.0897e+05	2.9254e+05
	448	-1.1719e-13	-1.8956e+03	-7.0611e+02	-1.1768e+04	-1.2793e+05	3.4344e+05
585	448	1.2006e-10	2.3102e+03	8.6055e+02	3.9047e+03	-1.3642e+05	3.6624e+05
	434	-1.2006e-10	-2.3102e+03	-8.6055e+02	-3.9047e+03	-1.2863e+05	3.4531e+05
586	434	-1.3021e-10	2.3158e+03	8.6264e+02	2.1237e+04	-1.3546e+05	3.6366e+05
	433	1.3021e-10	-2.3158e+03	-8.6264e+02	-2.1237e+04	-1.3457e+05	3.6126e+05
587	433	-2.0724e-12	2.7978e+03	1.0422e+03	2.4865e+04	-1.5100e+05	4.0539e+05
	79	2.0724e-12	-2.7978e+03	-1.0422e+03	-2.4865e+04	-1.7351e+05	4.6581e+05
597	441	-3.6402e-12	-4.8472e+02	-1.8056e+02	2.5291e+04	1.9168e+04	-5.1457e+04
	424	3.6402e-12	4.8472e+02	1.8056e+02	-2.5291e+04	1.5791e+04	-4.2393e+04
635	367	5.8210e-11	-1.5042e+03	5.6032e+02	2.1792e+04	-7.9794e+04	-2.1421e+05
	167	-5.8210e-11	1.5042e+03	-5.6032e+02	-2.1792e+04	-9.9766e+04	-2.6783e+05
636	349	-5.8217e-11	-1.6175e+03	6.0252e+02	1.4177e+04	-9.3705e+04	-2.5156e+05
	367	5.8217e-11	1.6175e+03	-6.0252e+02	-1.4177e+04	-9.7922e+04	-2.6288e+05
637	355	-6.5086e-11	-1.8865e+03	7.0272e+02	2.1387e+04	-1.1341e+05	-3.0446e+05
	349	6.5086e-11	1.8865e+03	-7.0272e+02	-2.1387e+04	-1.1005e+05	-2.9545e+05
638	366	1.3017e-10	-1.3370e+03	4.9802e+02	-8.3171e+03	-7.9707e+04	-2.1398e+05
	355	-1.3017e-10	1.3370e+03	-4.9802e+02	8.3171e+03	-7.8666e+04	-2.1119e+05
639	368	-6.5084e-11	-1.3471e+03	5.0180e+02	-6.1936e+03	-8.0427e+04	-2.1591e+05
	366	6.5084e-11	1.3471e+03	-5.0180e+02	6.1936e+03	-8.2658e+04	-2.2190e+05
640	352	-1.7462e-10	-1.8488e+03	6.8868e+02	1.2393e+04	-1.1787e+05	-3.1643e+05
	368	1.7462e-10	1.8488e+03	-6.8868e+02	-1.2393e+04	-1.0871e+05	-2.9184e+05
641	353	-1.2000e-10	-2.2641e+03	8.4337e+02	2.9256e+04	-1.2726e+05	-3.4164e+05
	352	1.2000e-10	2.2641e+03	-8.4337e+02	-2.9256e+04	-1.2788e+05	-3.4329e+05
642	82	5.8225e-11	-1.7713e+03	6.5979e+02	2.3483e+04	-1.0865e+05	-2.9169e+05
	353	-5.8225e-11	1.7713e+03	-6.5979e+02	-2.3483e+04	-9.6911e+04	-2.6016e+05
651	129	5.8208e-11	3.6179e+03	-1.3477e+03	2.2649e+04	2.3527e+05	6.3161e+05
	380	-5.8208e-11	-3.6179e+03	1.3477e+03	-2.2649e+04	1.9646e+05	5.2741e+05
652	380	-1.1642e-10	3.0411e+03	-1.1328e+03	1.5451e+04	1.7935e+05	4.8148e+05
	370	1.1642e-10	-3.0411e+03	1.1328e+03	-1.5451e+04	1.8089e+05	4.8561e+05
653	370	-1.1139e-12	3.0655e+03	-1.1419e+03	1.1580e+04	1.8176e+05	4.8794e+05
	383	1.1139e-12	-3.0655e+03	1.1419e+03	-1.1580e+04	1.8137e+05	4.8689e+05
654	383	-1.1642e-10	3.0700e+03	-1.1436e+03	1.2077e+04	1.8227e+05	4.8933e+05
	371	1.1642e-10	-3.0700e+03	1.1436e+03	-1.2077e+04	1.8138e+05	4.8694e+05
655	371	-6.5091e-11	3.2165e+03	-1.1981e+03	1.4466e+04	1.9054e+05	5.1151e+05
	354	6.5091e-11	-3.2165e+03	1.1981e+03	-1.4466e+04	2.1144e+05	5.6762e+05
656	354	-6.5080e-11	3.9736e+03	-1.4802e+03	7.0959e+03	2.3122e+05	6.2074e+05
	385	6.5080e-11	-3.9736e+03	1.4802e+03	-7.0959e+03	2.2467e+05	6.0313e+05
657	385	-2.3464e-10	3.9369e+03	-1.4665e+03	2.0831e+04	2.2997e+05	6.1737e+05
	386	2.3464e-10	-3.9369e+03	1.4665e+03	-2.0831e+04	2.2904e+05	6.1489e+05
658	386	1.5464e-12	4.5006e+03	-1.6764e+03	2.5310e+04	2.5055e+05	6.7262e+05
	77	-1.5464e-12	-4.5006e+03	1.6764e+03	-2.5310e+04	2.7144e+05	7.2870e+05
Elem	Nodo	Nx	Ny	Nxy	Mx	My	Mxy
28	484	0.0000e+00	1.1269e+01	-2.5800e+00	-1.0918e+02	2.0609e+02	-4.1101e+02
	482	0.0000e+00	1.9932e+01	-1.4088e+00	2.8575e+02	1.4669e+03	-3.3730e+02
	564	-3.4747e+00	1.9932e+01	6.2370e+00	3.5545e+02	-1.1627e+03	8.3102e+02
29	563	6.9841e-01	-4.6609e-01	1.9204e+00	2.8752e+02	-1.7875e+02	1.5093e+02
	484	6.9841e-01	-1.3697e+00	-2.6546e+00	-2.6869e+02	-2.1773e+02	2.0720e+02

	564	8.9797e+00	-4.6609e-01	1.2372e+00	3.4297e+02	4.2974e+02	1.1085e+02
30	563	-4.6609e-01	5.9680e+00	1.5946e+00	-3.4737e+02	6.6654e+01	2.9281e+02
	564	-4.6609e-01	1.1482e+01	9.7534e-01	4.8534e+02	7.0028e+02	-6.9627e+01
	544	-1.3755e+00	1.1482e+01	-3.0058e+00	1.5479e+02	-9.0218e+02	5.2344e+02
31	543	3.9538e-01	2.9889e-01	-1.8458e+00	1.4739e+02	-2.9824e+01	1.2629e+01
	563	3.9538e-01	1.1899e+00	-1.5811e+00	-2.7720e+02	6.2563e+01	-1.3962e+02
	544	5.2035e+00	2.9889e-01	-1.3999e+00	-2.3936e+01	2.3332e+02	8.9278e+01
32	543	2.9889e-01	-1.9731e+00	1.6537e+00	-1.4635e+02	7.6520e+01	1.1938e+02
	544	2.9889e-01	6.5219e+00	1.5335e+00	2.5275e+02	3.7277e+02	-8.9017e+00
	1	9.8510e-01	6.5219e+00	-1.8885e+00	1.4962e+02	2.7133e+02	2.6806e+02
33	58	-7.6895e-01	0.0000e+00	1.9758e+00	1.7127e+02	-2.1156e+01	-1.0801e+02
	543	-7.6895e-01	3.1895e+00	-9.5920e-01	-2.5428e+02	-8.5283e+01	-2.0952e+02
	1	2.2135e+00	0.0000e+00	-9.3708e-01	6.9733e+01	-3.9896e+01	-1.9351e+02
34	523	-7.4682e-02	2.7467e+00	-1.8247e+00	-3.2292e+01	1.5722e+02	-7.7385e+01
	561	-7.4682e-02	-6.6030e-01	-1.7707e+00	-1.4987e+02	-1.4327e+02	3.7191e+01
	541	6.1311e-02	-6.6030e-01	1.3002e+00	-1.8664e+02	1.6125e+02	-5.5600e+01
35	519	3.2435e+00	3.6459e-01	-1.3401e+00	-1.4087e+02	-5.9588e+01	-2.2610e+01
	523	3.2435e+00	-5.7421e-01	1.7511e+00	3.1170e+02	-1.0204e+02	5.6227e+01
	541	9.6895e-01	3.6459e-01	-1.4566e+00	7.5375e+01	-1.2599e+02	-4.9027e+01
36	519	3.6459e-01	1.4409e+00	1.3315e+00	-5.4490e+01	5.6335e+01	-7.0557e+00
	541	3.6459e-01	-8.2824e-01	1.3097e+00	-1.4797e+02	-1.0409e+02	2.7709e+01
	536	1.2971e+00	-8.2824e-01	1.3119e+00	-1.2380e+02	1.6190e+02	-7.0171e+01
37	52	5.7109e+00	0.0000e+00	-9.9737e-01	3.4330e+02	3.8073e+01	9.0032e+01
	519	5.7109e+00	3.1758e+00	3.5222e+00	-1.6766e+02	6.8761e+01	-9.6776e+01
	536	-1.3786e+00	0.0000e+00	-1.8907e+00	1.5300e+02	-3.5290e+01	1.0642e+02
38	523	2.4903e+00	-7.4682e-02	3.0129e+00	1.2969e+02	-7.2046e+01	-8.8653e+01
	161	2.4903e+00	1.8018e-14	-1.6476e+00	-6.5722e+02	-1.2420e+02	1.1691e+02
	486	-4.1933e-01	1.8018e-14	-2.6087e+00	-8.3727e+01	1.2740e+02	1.8163e+02
	561	-4.1933e-01	-7.4682e-02	-1.1296e+00	1.7226e+02	-7.3750e+01	-1.6162e+01
39	560	1.6560e+00	4.6036e-01	-1.0068e+00	-7.0364e+01	5.6767e+01	3.2018e+01
	579	1.6560e+00	-2.5527e-15	3.7088e+00	-6.8007e+01	1.5525e+02	-1.0834e+02
	161	2.4903e+00	-2.5527e-15	1.2361e+00	-5.2604e+02	-1.4136e+02	-1.2759e+02
	523	2.4903e+00	4.6036e-01	-2.1959e+00	2.5757e+02	6.4289e+01	-2.8357e+01
40	540	2.0956e+00	2.2658e-01	-1.5848e+00	1.3405e+02	8.3979e+01	-3.3851e+01
	560	2.0956e+00	4.6036e-01	-1.3545e+00	6.7924e+01	3.1561e+01	-4.3345e+01
	523	3.2435e+00	4.6036e-01	-8.3190e-01	1.8315e+02	9.5189e+01	-2.6763e+01
	519	3.2435e+00	2.2658e-01	-1.7220e+00	-1.4098e+02	-4.9997e+01	2.2857e+01
41	412	1.7601e+00	0.0000e+00	-9.3619e-01	5.4002e+02	3.2933e+01	6.1883e+01
	540	1.7601e+00	2.2658e-01	-1.6894e+00	9.2711e+01	8.9293e+01	1.8164e+01
	519	5.7109e+00	2.2658e-01	-1.8823e+00	1.3741e+02	1.1514e+02	3.8235e+01
	52	5.7109e+00	0.0000e+00	-1.2004e+00	5.5618e+02	-3.0530e+01	6.8549e+01
42	557	2.6964e-01	-2.2728e+00	-1.4397e+00	-2.9141e+02	1.3858e+02	4.7081e+01
	490	-2.0855e+00	2.1748e+00	1.7299e+01	-1.4862e+02	2.6666e+02	-6.0135e+02
	488	3.2258e+01	1.2500e+00	1.0971e+01	-1.8310e+03	-3.8114e+02	-6.4303e+02
	481	2.6616e+01	3.8816e+00	-1.1919e+01	-3.4507e+02	-1.9470e+02	-1.2310e+02
43	480	-1.3188e+01	1.2397e+01	-3.0144e-01	-3.5144e+02	-6.0862e+01	4.5310e+02
	558	-1.0728e+01	9.7322e+00	-3.8413e-01	-2.1931e+02	-2.2300e+02	1.8802e+02
	557	-1.1916e+00	3.8295e+00	-2.9126e+00	-2.2552e+01	-1.7974e+02	2.9388e+01
	481	-2.9353e+00	1.1923e+01	-8.0321e+00	-3.8107e+02	-1.0691e+02	2.5632e+01
44	577	1.1622e+00	-1.7333e+00	-9.1772e+00	-2.6162e+02	1.3918e+02	1.0468e+02
	480	1.0294e+00	-2.4707e+00	-8.1497e+00	-5.7671e+02	2.9838e+02	-2.9667e+02
	481	2.7820e+01	-2.8407e+00	-8.8683e+00	-8.9775e+02	-4.4009e+02	-3.9330e+02
	488	2.7639e+01	-2.0872e+00	-9.8258e+00	-1.5794e+03	-7.7205e+01	-8.8278e+01
45	559	1.2068e+00	3.8416e+00	1.9784e+00	-8.3966e+00	-1.6473e+02	3.2996e+01
	558	1.2068e+00	6.6032e-01	9.0044e+00	-1.6181e+02	-3.5149e+02	-5.4378e+01
	480	1.0197e+00	6.6032e-01	1.2156e+01	6.3974e+01	-7.7145e+02	-1.7367e+02

	472	1.0197e+00	-1.0912e+01	3.3833e+00	-2.5770e+02	-5.2034e+02	-1.0105e+02
46	489	-3.1789e+00	-5.7889e+00	-8.7653e+00	-3.1885e+02	-1.4694e+03	-6.9794e+02
	578	-4.4958e+00	7.2668e+00	-1.0913e+01	3.7656e+00	4.9923e+01	-4.8873e+02
	559	8.4604e-01	2.2363e+00	2.5164e+00	1.4092e+02	-4.7704e+02	-6.1888e+01
	472	1.4579e+00	-3.4922e+01	9.5394e+00	-1.7703e+02	-1.0759e+03	-1.0264e+02
47	577	-3.6513e-15	-8.8459e-01	7.7693e+00	1.4396e+02	-2.9373e+02	4.1416e+02
	489	-3.8940e-15	-2.6324e+01	9.4504e+00	-2.8548e+02	-1.7756e+03	3.5061e+02
	472	1.0197e+00	-2.5952e+01	9.2079e+00	-5.3701e+02	-1.1378e+03	-8.2747e+01
	480	1.0197e+00	-8.8459e-01	7.7103e+00	1.9883e+02	-8.2136e+02	-8.7026e+01
48	24	5.5797e-02	4.3116e-01	-1.7264e+00	-3.8983e+01	-5.2359e+01	-2.5160e+01
	427	5.5797e-02	0.0000e+00	-2.5066e+00	-1.6951e+02	-1.2567e+01	1.3001e+01
	490	1.8355e-01	0.0000e+00	-2.0661e+00	-4.4175e+02	2.7513e+01	-8.7535e+01
	557	1.8355e-01	4.3116e-01	-1.3992e+00	5.1834e+02	1.3676e+02	-1.1341e+02
49	505	2.1131e-01	-5.6162e-02	-2.4253e+00	-1.8220e+01	-8.1755e+00	2.6262e+01
	428	2.1131e-01	0.0000e+00	-3.1935e+00	-1.3589e+02	4.3606e+00	1.4869e+01
	427	5.5797e-02	0.0000e+00	-2.8382e+00	-1.9066e+02	4.6083e+00	-1.0044e+01
	24	5.5797e-02	-5.6162e-02	-2.0751e+00	-1.0662e+01	3.2801e+01	8.4864e+00
50	604	2.9417e+00	-2.2010e+00	-1.2147e+00	3.5282e+01	5.9410e+01	7.4788e+01
	430	2.5089e+00	-2.9466e+00	-1.9669e+00	4.8768e+01	2.5343e+01	2.9698e+01
	428	2.9337e+00	-2.7446e+00	-1.6674e+00	-5.9442e+01	-9.4698e+00	-1.8286e+01
	505	2.5028e+00	-2.2850e+00	-1.4095e+00	-2.0977e+01	5.5778e+01	4.0406e+01
51	603	2.4188e+00	-2.4449e+00	-1.5718e+00	2.1754e+01	-9.4694e+00	4.2852e+01
	583	2.4956e+00	-2.5497e+00	-1.6120e+00	1.1175e+01	3.6615e+01	5.1183e+01
	430	2.7492e+00	-2.5602e+00	-1.5522e+00	7.4650e+01	1.0386e+02	9.6465e+01
	604	2.8251e+00	-2.3915e+00	-1.4110e+00	3.5967e+01	8.5650e+01	3.5771e+01
52	602	-2.2306e+00	1.9943e+00	-1.6531e+00	-1.3121e+01	8.5131e+01	-2.4018e+00
	437	-2.0724e+00	2.2178e+00	-1.9342e+00	2.0203e+01	3.1878e+01	-2.1918e+01
	583	-2.3473e+00	2.2934e+00	-1.9531e+00	2.1281e+01	5.5287e+00	-1.7805e+01
	603	-2.1891e+00	2.1364e+00	-1.8171e+00	2.3925e+01	-2.5901e+01	-3.8017e+01
53	601	-3.1747e+00	2.7111e+00	-6.4730e-02	-2.1590e+01	-4.0074e+01	2.5291e+01
	446	-3.1747e+00	3.2705e+00	-3.2181e-01	1.9108e+01	-6.4279e+01	4.0694e+01
	437	-2.7985e+00	3.0564e+00	-3.7435e-01	1.2632e+01	-3.2744e+01	2.0771e+01
	602	-2.7985e+00	2.4961e+00	-1.2448e-01	1.3781e+01	6.3470e+00	-6.1943e+00
54	600	-2.5067e+00	2.3269e+00	-8.1618e-01	4.4019e+01	-5.9192e+01	1.4741e+01
	455	-2.6957e+00	3.0669e+00	-1.2926e+00	1.1567e+02	2.8452e+01	-4.9570e+01
	446	-2.8990e+00	3.3676e+00	-1.4405e+00	2.3954e+01	-2.4886e+01	-1.9017e+01
	601	-3.0880e+00	2.4497e+00	-7.0579e-01	4.0247e+01	-3.6811e+01	3.7553e+01
55	599	-1.1739e+00	1.1786e+00	-1.0946e+00	5.7373e+01	4.5565e+01	-5.1775e+01
	460	-1.1739e+00	1.8560e+00	-1.7479e+00	3.0422e+02	6.9435e+01	-1.0841e+02
	455	-2.0873e+00	2.0839e+00	-1.7852e+00	2.3375e+02	1.7792e+01	-9.1452e+01
	600	-2.0873e+00	1.4039e+00	-1.1193e+00	9.2474e+01	-3.8721e+01	-2.2900e+01
56	598	-1.4948e+00	-4.9281e-01	8.0758e-01	2.4241e+02	8.5581e+01	-4.1701e+01
	25	-1.7932e+00	2.2327e-01	-5.1582e-01	3.7130e+02	8.5656e+01	-1.5981e+02
	460	-5.8753e-01	7.7733e-01	-1.6233e+00	3.6566e+02	-4.8840e+01	-1.0231e+02
	599	-9.5940e-01	2.8301e-01	-6.7084e-01	1.0385e+02	-3.3799e+01	-3.9010e+01
57	597	2.9673e-01	2.7675e-01	-2.2921e+00	2.1785e+02	4.5519e+01	-8.3096e+00
	24	2.9673e-01	4.3116e-01	-1.7098e+00	8.7547e+01	-4.7011e+01	-2.1564e+01
	557	3.7332e+00	4.3116e-01	-1.1649e+00	5.1119e+02	1.4126e+02	8.2902e+00
	537	3.7332e+00	2.7675e-01	-1.6857e+00	2.6159e+02	3.8995e+01	2.1812e+01
58	596	2.3385e-01	-6.2524e-02	-3.1928e+00	1.9179e+02	-1.4816e+01	1.0440e+01
	505	2.3385e-01	-5.6162e-02	-2.4441e+00	7.1137e+01	-9.6861e+00	2.5334e+01
	24	2.9673e-01	-5.6162e-02	-2.0459e+00	1.0641e+02	4.7447e+01	1.8104e+01
	597	2.9673e-01	-6.2524e-02	-2.7726e+00	2.2723e+02	5.9000e+01	3.0747e+00
59	595	-1.1973e-01	-1.7842e-02	-3.4276e+00	7.2835e+01	-9.6406e+01	1.7058e+01
	604	-1.1973e-01	3.2255e-02	-2.8311e+00	5.3106e+01	-4.0358e+01	5.1237e+01
	505	2.3385e-01	3.2255e-02	-2.7993e+00	4.6274e+01	3.1426e+01	5.0267e+01
	596	2.3385e-01	-1.7842e-02	-3.3958e+00	1.8965e+02	8.8060e+01	1.5945e+01

60	594	-1.2557e-01	6.5399e-02	-3.1739e+00	-6.5887e+01	-3.5967e+01	-7.2023e+00
	603	-1.2557e-01	3.0168e-02	-2.8231e+00	-1.9396e+01	-4.0954e+01	1.0754e+01
	604	-1.1973e-01	3.0168e-02	-2.9671e+00	4.8737e+01	3.2194e+01	2.6560e+01
	595	-1.1973e-01	6.5399e-02	-3.3176e+00	-5.6208e+01	1.5339e+01	1.0258e+01
61	593	1.9563e-01	1.2424e-02	-2.9188e+00	-1.4953e+01	9.1210e+01	-5.0806e+00
	602	1.9563e-01	2.1223e-03	-2.6537e+00	-6.3577e+00	6.4429e+01	-2.0341e+01
	603	-1.2557e-01	2.1223e-03	-2.7525e+00	-8.9318e+00	-6.3242e+01	-1.8659e+01
	594	-1.2557e-01	1.2424e-02	-3.0175e+00	-8.0599e+01	-9.1676e+01	2.6670e+00
62	592	1.1182e-01	-7.9823e-02	-3.4128e+00	-5.4400e+01	2.0484e+01	1.3026e+01
	601	1.1182e-01	-4.7786e-02	-2.9854e+00	-1.7788e+01	2.0172e+00	1.9275e+01
	602	1.9563e-01	-4.7786e-02	-2.6437e+00	-2.0921e+01	1.0468e+01	-4.6608e+00
	593	1.9563e-01	-7.9823e-02	-3.0709e+00	-1.9918e+01	7.9608e+00	-1.0456e+01
63	591	-4.6294e-01	2.5439e-02	-3.1135e+00	-3.1063e+02	-7.8024e+01	1.9938e+01
	600	-4.6294e-01	-9.8037e-03	-2.5485e+00	-5.1458e+01	-4.1226e+01	6.0030e+01
	601	1.1182e-01	-9.8037e-03	-2.8624e+00	-4.1003e+01	5.0231e+01	5.3509e+01
	592	1.1182e-01	2.5439e-02	-3.4276e+00	-1.0087e+02	9.2303e+01	1.3370e+01
64	590	-4.1059e-01	-6.7187e-02	-1.8994e+00	-4.6003e+02	-2.3236e+01	1.4643e+01
	599	-4.1059e-01	-9.1613e-02	-1.3762e+00	-1.2588e+02	-4.2153e+01	2.0058e+01
	600	-4.6294e-01	-9.1613e-02	-2.0661e+00	-1.2193e+02	-2.8982e+01	2.6771e+01
	591	-4.6294e-01	-6.7187e-02	-2.5923e+00	-3.5329e+02	-1.4391e+01	1.0235e+01
65	589	-1.6529e+00	-2.1297e-01	-6.5491e-01	-5.0017e+02	3.9727e+01	2.9059e+01
	598	-1.6529e+00	-1.9294e-01	-1.9463e-01	-2.7298e+02	6.6013e+01	9.0102e+00
	599	-4.1059e-01	-1.9294e-01	-6.6820e-01	-1.9130e+02	-4.7587e+01	-2.2514e+01
	590	-4.1059e-01	-2.1297e-01	-1.3882e+00	-4.8453e+02	-4.4434e+01	-4.3399e+01
66	415	6.1520e-01	0.0000e+00	-1.4515e+00	6.1135e+02	2.5392e+01	9.6672e+01
	597	6.1520e-01	2.7675e-01	-2.1181e+00	2.7373e+02	5.7474e+01	-1.0206e+01
	537	1.4538e+00	2.7675e-01	-1.9933e+00	-1.4632e+02	-1.4936e+01	6.9398e+01
	53	1.4538e+00	0.0000e+00	-1.2976e+00	2.5126e+02	-1.5505e+01	1.6927e+02
67	418	3.8812e-01	0.0000e+00	-2.4302e+00	4.9340e+02	-1.0365e+01	-7.0889e+01
	596	3.8812e-01	-6.2524e-02	-3.3857e+00	2.7903e+02	-1.7033e+01	-2.5216e+01
	597	6.1520e-01	-6.2524e-02	-2.5431e+00	3.3255e+02	6.1327e+01	3.0387e+01
	415	6.1520e-01	0.0000e+00	-1.6370e+00	6.8596e+02	1.5075e+01	-1.8753e+01
68	425	2.3866e-01	-2.4487e-29	-2.3839e+00	-1.2374e+02	-5.2003e+01	-1.3412e+02
	595	2.3866e-01	-1.7842e-02	-3.5024e+00	8.8924e+01	-1.1278e+02	9.4283e+00
	596	3.8812e-01	-1.7842e-02	-3.5906e+00	1.7479e+02	1.1123e+02	6.0752e+00
	418	3.8812e-01	-2.2720e-29	-2.4697e+00	3.7953e+02	4.9157e+01	-1.3272e+02
69	450	-1.1570e-01	-1.5531e-29	-2.5080e+00	-2.7661e+02	-9.5548e+00	-3.2862e+01
	594	-1.1570e-01	6.5399e-02	-3.2176e+00	-1.0680e+02	-3.5929e+01	7.8942e+00
	595	2.3866e-01	6.5399e-02	-3.3923e+00	-7.3657e+01	1.3291e+01	-2.6159e+01
	425	2.3866e-01	-1.6614e-29	-2.6830e+00	-1.9131e+02	7.0628e+00	-5.8501e+01
70	451	4.4972e-02	0.0000e+00	-2.3963e+00	5.8454e+01	2.8408e+01	6.8269e+01
	593	4.4972e-02	1.2424e-02	-2.9083e+00	-2.3636e+01	9.4664e+01	-1.1201e+01
	594	-1.1570e-01	1.2424e-02	-3.0612e+00	-8.5665e+01	-9.7688e+01	-1.6421e+01
	450	-1.1570e-01	0.0000e+00	-2.5491e+00	-2.4547e+02	-2.7689e+01	6.4672e+01
71	454	-1.1765e-01	0.0000e+00	-2.7719e+00	1.1779e+02	2.3561e+00	-3.4050e+01
	592	-1.1765e-01	-7.9823e-02	-3.5239e+00	-3.2231e+01	2.1863e+01	-2.8635e+01
	593	4.4972e-02	-7.9823e-02	-3.0602e+00	-2.6966e+01	7.6246e+00	6.2406e+00
	451	4.4972e-02	0.0000e+00	-2.3111e+00	1.1964e+02	2.3109e+00	-6.0775e+00
72	457	-6.8643e-01	4.7638e-15	-2.3131e+00	-6.4341e+02	-3.3227e+01	-1.4804e+02
	591	-6.8643e-01	2.5439e-02	-3.1707e+00	-3.3510e+02	-9.1886e+01	-1.1521e+01
	592	-1.1765e-01	2.5439e-02	-3.5389e+00	-1.3583e+02	9.9359e+01	-6.4601e+00
	454	-1.1765e-01	5.5247e-15	-2.6811e+00	-1.0141e+02	3.7505e+01	-1.4344e+02
73	462	-1.0038e+00	-6.8653e-30	-1.1087e+00	-1.0063e+03	-6.4275e+00	-5.0517e+01
	590	-1.0038e+00	-6.7187e-02	-1.7505e+00	-5.8317e+02	-2.1120e+01	2.3477e+01
	591	-6.8643e-01	-6.7187e-02	-2.6495e+00	-5.0361e+02	-1.4915e+01	-3.8831e+01
	457	-6.8643e-01	-1.2371e-29	-1.9978e+00	-8.5963e+02	8.3099e+00	-7.8996e+01
74	414	-2.9701e+00	9.7260e-16	-2.4517e-01	-8.3196e+02	1.7149e+01	5.2170e+01

	589	-2.9701e+00	-2.1297e-01	-9.7406e-01	-5.7713e+02	3.7414e+01	3.7978e+01
	590	-1.0038e+00	-2.1297e-01	-1.2354e+00	-6.1629e+02	-5.4900e+01	-5.7117e+01
	462	-1.0038e+00	1.5598e-15	-4.0398e-01	-9.9739e+02	-1.4836e+01	-4.2688e+01
75	575	-1.2200e+00	3.1357e-01	6.5121e-01	-2.8577e+01	-2.6668e+01	-7.4860e+00
	410	-8.4687e-01	7.7871e-01	1.5955e+00	2.1542e+02	-1.4630e+01	4.2934e+01
	471	-6.9934e-01	2.9290e-01	5.5648e-01	2.6209e+02	1.3370e+01	5.7575e+01
	576	-3.2743e-01	-1.2830e-01	-2.0770e-01	-7.3945e+01	-9.2147e+00	-2.8878e+01
76	574	-2.1565e+00	1.3639e+00	1.0542e+00	-1.4313e+01	-2.9299e+01	-1.8261e+01
	408	-2.1565e+00	2.0323e+00	1.7131e+00	1.4236e+02	-6.5093e+00	4.5166e+01
	410	-1.4156e+00	1.8104e+00	1.6423e+00	1.4000e+02	2.3565e+01	4.1564e+01
	575	-1.4156e+00	1.1423e+00	9.8375e-01	-5.7855e+01	-8.5326e+00	-3.7701e+01
77	573	-3.6425e+00	2.5132e+00	-7.6015e-02	2.6111e+01	-3.4031e+01	-5.6195e+00
	405	-3.3888e+00	3.6305e+00	7.0702e-01	7.1759e+01	-1.5462e+01	2.8327e+01
	408	-2.9341e+00	3.2048e+00	6.4845e-01	8.8397e+01	1.6073e+01	3.7765e+01
	574	-2.6806e+00	2.4459e+00	2.9922e-01	-2.0501e+01	-4.0757e+01	-3.8851e+01
78	572	-3.2063e+00	3.0645e+00	1.5048e+00	9.5109e+00	-2.6230e+01	-2.3626e+01
	585	-3.5896e+00	3.4584e+00	1.6937e+00	1.1306e+01	-8.8772e+00	2.8449e+00
	405	-2.8444e+00	3.5809e+00	2.0229e+00	4.9472e+01	1.8428e+01	1.5922e+01
	573	-3.2276e+00	2.8870e+00	1.3544e+00	7.1767e+00	-1.0989e+01	-1.9317e+01
79	571	3.1559e+00	-2.7945e+00	2.3076e+00	-2.4747e+01	4.4386e+01	-8.6722e+00
	404	2.8819e+00	-3.1799e+00	2.7938e+00	-1.6742e+01	3.8063e+01	-3.0004e+01
	585	2.9467e+00	-3.0779e+00	2.6680e+00	-1.6318e+01	1.9652e+01	-2.5488e+01
	572	2.6726e+00	-2.8071e+00	2.4324e+00	-5.4634e+01	-8.7004e+00	-6.7376e+00
80	570	3.8438e+00	-3.5835e+00	1.0735e+00	-1.8860e+01	2.5603e+01	-1.2185e+01
	403	3.9523e+00	-4.1516e+00	1.4226e+00	-4.0699e+01	1.0614e+01	9.6988e+00
	404	3.7004e+00	-4.1573e+00	1.5181e+00	-2.2570e+01	1.7122e+01	-6.5150e+00
	571	3.8091e+00	-3.4734e+00	1.0111e+00	-2.8083e+01	1.4950e+01	-7.9983e+00
81	569	3.0918e+00	-2.8697e+00	2.1293e+00	1.7514e+01	2.5716e+01	-1.0366e+01
	402	3.1214e+00	-3.3711e+00	2.6213e+00	-6.2739e+01	3.9371e+00	1.4890e+01
	403	3.2584e+00	-3.4792e+00	2.6963e+00	-5.5828e+01	1.1930e+01	9.2734e+00
	570	3.2881e+00	-2.9623e+00	2.1744e+00	-2.9407e+01	1.0106e+01	-1.1339e+01
82	568	1.5169e+00	-1.4691e+00	2.9436e+00	2.2762e+01	3.7778e+00	1.0046e+01
	401	1.7476e+00	-1.6652e+00	3.4193e+00	-1.1655e+02	-1.1160e+01	4.0267e+01
	402	1.6640e+00	-1.7478e+00	3.6084e+00	-9.0787e+01	3.2650e+00	2.1431e+01
	569	1.8979e+00	-1.5292e+00	3.0291e+00	2.1723e+01	1.3604e+01	-3.9685e+00
83	567	5.9918e-01	-2.9375e-02	2.4617e+00	1.7213e+02	-3.7262e+01	3.1067e+01
	470	5.9918e-01	-1.5802e-15	3.0842e+00	-1.5869e+02	-2.6410e+00	1.6191e+01
	401	9.3434e-02	-4.5347e-15	3.6723e+00	-1.1537e+02	3.4157e+00	2.7652e+01
	568	9.3434e-02	-2.9375e-02	3.0433e+00	1.7490e+01	2.9910e+01	4.4819e+01
84	566	3.5399e+00	1.2822e-01	2.1573e+00	1.3799e+01	1.0168e+02	5.0283e+01
	581	3.5399e+00	1.2608e-15	5.0187e+00	1.1774e+02	1.1113e+01	1.8549e+01
	470	5.9918e-01	1.2608e-15	3.7506e+00	2.4297e+02	-1.5180e+01	-2.0778e+01
	567	5.9918e-01	1.2822e-01	1.0121e+00	-2.8546e+02	-7.7886e+01	1.6486e+01
85	565	-1.2144e+01	-9.2640e-01	-5.9413e+00	-6.8428e+02	-2.1711e+02	-2.4285e+02
	483	-6.9123e+00	3.6112e+00	6.0718e+00	-1.1110e+03	6.2870e+01	-2.9194e+01
	581	-2.1447e+00	5.6824e+00	1.0677e+01	-2.1787e+02	1.8578e+02	1.5372e+02
	566	3.1108e+00	1.6988e+00	1.1038e+00	-9.2416e+01	1.9300e+02	-1.4739e+02
86	564	2.3379e+01	-1.0909e+00	-3.9514e+00	4.7088e+02	5.3359e+02	-4.4194e+01
	482	2.1186e+01	-1.2691e+00	4.9064e-01	-5.6839e+02	-6.9380e+01	-4.7280e+02
	483	-1.1388e+01	-1.5148e+00	-4.3777e+00	-1.0066e+03	-4.8383e+02	-5.8543e+02
	565	-1.3574e+01	-1.2950e+00	-9.1280e+00	-3.9432e+02	-7.3098e+02	-2.4630e+01
87	562	1.7732e-01	-4.6443e-01	-1.5111e+00	9.5706e+01	9.6168e+01	-2.4506e+01
	580	1.7732e-01	-8.1458e-16	-1.9358e+00	8.6705e+01	1.4562e+01	8.5079e+01
	484	6.9841e-01	-8.1458e-16	2.1124e+00	6.5682e+02	-1.1705e+01	1.4786e+02
	563	6.9841e-01	-4.6443e-01	1.6643e+00	-1.3748e+02	-1.6336e+02	8.6486e+01
88	561	-4.1933e-01	-1.7000e-01	-1.1564e+00	-1.3493e+02	-4.8287e+01	3.7594e+01
	486	-4.1933e-01	1.9518e-15	-1.3594e+00	1.5027e+02	-5.9405e+00	3.5026e+01

	580	1.7732e-01	3.5109e-15	-1.6422e+00	2.3766e+01	-5.5439e+00	3.3035e+01
	562	1.7732e-01	-1.7000e-01	-1.4238e+00	1.0917e+01	4.9405e+01	3.6217e+01
89	559	2.8019e+00	3.3404e-01	-1.3953e+00	-1.8309e+02	1.3585e+02	9.4297e+01
	578	2.8019e+00	8.9288e-16	-2.3436e+00	-4.1574e+01	1.8447e+01	1.1387e+02
	579	1.6560e+00	8.9288e-16	-2.1349e+00	-7.3817e+01	4.0396e+00	2.5999e+01
	560	1.6560e+00	3.3404e-01	-1.0550e+00	-6.7808e+01	-3.2402e+01	1.0770e+01
90	555	-4.1056e-01	-2.2876e-01	1.7469e+00	-5.2931e+02	-1.4874e+01	6.5682e+00
	575	-4.1056e-01	-4.8127e-02	7.4959e-01	-2.1300e+02	-1.9616e+01	5.2023e+00
	576	-1.1645e+00	-4.8127e-02	-4.3649e-02	-1.9967e+02	-8.7698e+00	-1.2322e+01
	556	-1.1645e+00	-2.2876e-01	9.6478e-01	-5.5174e+02	1.2747e+01	-1.0906e+01
91	554	-4.7728e-01	-6.7122e-02	2.6087e+00	-4.3517e+02	6.2267e+00	5.1642e+00
	574	-4.7728e-01	-5.1510e-02	2.0437e+00	-1.8529e+02	-3.9262e+00	-1.0429e+01
	575	-4.1056e-01	-5.1510e-02	1.4411e+00	-1.9105e+02	-1.0821e+01	-2.1121e+01
	555	-4.1056e-01	-6.7122e-02	2.0057e+00	-5.1043e+02	-1.2683e+01	-7.2727e+00
92	553	-3.6488e-01	3.3284e-02	3.3578e+00	-3.0267e+02	1.5876e+01	5.9083e+00
	573	-3.6488e-01	8.6520e-03	2.9005e+00	-1.4853e+02	2.1718e+00	-1.5581e+01
	574	-4.7728e-01	8.6520e-03	2.5851e+00	-1.4706e+02	-1.1820e+01	-2.5480e+01
	554	-4.7728e-01	3.3284e-02	3.0424e+00	-4.0676e+02	-1.8061e+01	-5.1669e+00
93	552	-1.9510e-01	3.8062e-03	3.9624e+00	-1.7599e+02	1.5186e+01	2.2637e+00
	572	-1.9510e-01	-1.0644e-02	3.4675e+00	-7.6752e+01	8.5261e+00	-2.1928e+01
	573	-3.6488e-01	-1.0644e-02	3.2277e+00	-9.9144e+01	-3.1127e+00	-2.5191e+01
	553	-3.6488e-01	3.8062e-03	3.7226e+00	-2.7146e+02	-6.9854e+00	-3.5451e+00
94	551	-1.6771e-01	-3.7679e-03	4.2781e+00	-6.4319e+01	1.6214e+01	2.7202e+00
	571	-1.6771e-01	-3.4878e-03	3.7707e+00	-3.8372e+01	2.3621e+01	-1.7294e+01
	572	-1.9510e-01	-3.4878e-03	3.6535e+00	-5.1995e+01	-2.3266e+01	-2.0968e+01
	552	-1.9510e-01	-3.7679e-03	4.1608e+00	-1.3239e+02	-1.2734e+01	3.3388e+00
95	550	8.8742e-02	-3.3497e-03	4.4198e+00	7.5578e+01	1.0702e+01	2.0782e+00
	570	8.8742e-02	2.9370e-03	3.8225e+00	2.3596e+01	9.1887e+00	-1.8895e+01
	571	-1.6771e-01	2.9370e-03	3.7877e+00	2.3368e+01	-1.0152e+01	-2.0045e+01
	551	-1.6771e-01	-3.3497e-03	4.3850e+00	-3.2521e+01	-1.0898e+01	3.1086e+00
96	549	2.5748e-01	8.3629e-03	4.2678e+00	1.7939e+02	2.7443e+01	2.0958e+00
	569	2.5748e-01	5.0019e-03	3.6386e+00	6.2436e+01	2.3114e+01	-1.7237e+01
	570	8.8742e-02	5.0019e-03	3.7629e+00	5.0087e+01	-1.0396e+01	-1.5357e+01
	550	8.8742e-02	8.3629e-03	4.3924e+00	1.0501e+02	-1.6183e+01	2.7959e+00
97	548	3.4542e-01	-4.1323e-02	3.9316e+00	1.9056e+02	2.9447e+01	2.4712e+00
	568	3.4542e-01	-3.8207e-02	3.2836e+00	6.9842e+01	1.5494e+01	4.0951e+00
	569	2.5748e-01	-3.8207e-02	3.4401e+00	7.2058e+01	1.0818e+01	-5.3077e+00
	549	2.5748e-01	-4.1323e-02	4.0919e+00	1.9022e+02	4.7404e+00	-3.4203e+00
98	547	-3.5139e-01	-7.1913e-02	3.1653e+00	1.1063e+02	-7.4139e+01	2.7058e+00
	567	-3.5139e-01	-2.9375e-02	2.4221e+00	-1.4000e+02	-5.2768e+01	4.1201e+01
	568	3.4542e-01	-2.9375e-02	3.0269e+00	3.7372e+01	5.1167e+01	4.5538e+01
	548	3.4542e-01	-7.1913e-02	3.7774e+00	1.6541e+02	6.8790e+01	6.5294e+00
99	546	7.9225e-01	-2.8904e-01	5.1062e+00	8.8859e+01	9.4474e+01	-4.6855e+00
	566	7.9225e-01	1.2822e-01	2.6309e+00	-4.8551e+01	8.4434e+01	-1.4829e+01
	567	-3.5139e-01	1.2822e-01	8.0306e-01	2.9070e+02	-7.8203e+01	2.2367e+01
	547	-3.5139e-01	-2.8904e-01	3.0387e+00	-2.4584e+02	-1.0701e+02	1.6498e+01
100	545	-3.7494e+00	9.7328e-01	1.5457e+00	4.9203e+01	-3.7694e+01	-1.0217e+02
	565	-3.7494e+00	1.2607e+00	-1.9033e+00	-1.0504e+02	-1.4755e+02	-8.0229e+01
	566	7.9225e-01	1.2607e+00	1.1204e+00	-2.5417e+01	1.9682e+02	-5.4151e+01
	546	7.9225e-01	9.7328e-01	4.4822e+00	4.3412e+01	6.2193e+01	-7.6203e+01
101	544	1.1482e+01	1.7373e+00	-3.2145e+00	3.0773e+02	2.8835e+02	1.1113e+02
	564	1.1482e+01	2.3861e+00	-7.0790e+00	1.3155e+02	5.0254e+02	2.8345e+01
	565	-3.7494e+00	2.3861e+00	-4.7139e+00	-2.8093e+02	-5.3256e+02	-2.5866e+01
	545	-3.7494e+00	1.7373e+00	-9.1062e-01	1.8724e+02	-2.9055e+02	7.3671e+01
102	542	5.5133e-01	-3.4774e-01	-1.6956e+00	2.1643e+02	1.1412e+02	1.4421e+01
	562	5.5133e-01	-4.6443e-01	-1.5281e+00	1.4681e+02	1.0594e+02	-1.8609e+01
	563	3.9538e-01	-4.6443e-01	1.4620e+00	3.3484e+02	-1.9077e+02	-4.7599e+01

	543	3.9538e-01	-3.4774e-01	1.6053e+00	7.9308e+01	-1.7607e+02	-4.7479e+01
103	541	-6.6030e-01	-1.9725e-01	-1.3174e+00	1.7449e+02	-7.6849e+01	-4.1905e+00
	561	-6.6030e-01	-1.7000e-01	-1.1144e+00	1.5901e+02	-4.9794e+01	8.5693e+00
	562	5.5133e-01	-1.7000e-01	-1.4110e+00	9.3481e+01	4.5710e+01	9.7841e+00
	542	5.5133e-01	-1.9725e-01	-1.6467e+00	2.0142e+02	7.4193e+01	-3.1433e+00
104	539	-1.2724e+00	5.8041e-01	-2.5454e+00	1.1182e+02	5.8249e+01	-5.9527e+01
	559	-1.2724e+00	3.3404e-01	-1.5484e+00	-3.3100e+01	1.4723e+02	-4.3639e+01
	560	2.0956e+00	3.3404e-01	-1.8467e+00	1.9962e+01	-2.5585e+01	-1.3833e+01
	540	2.0956e+00	5.8041e-01	-1.7565e+00	1.3760e+02	3.7638e+01	-2.7303e+01
105	538	8.2774e-01	6.2845e-01	-7.7844e+00	8.5870e+01	-1.0599e+02	-1.9339e+01
	558	8.2774e-01	1.2068e+00	-7.5714e+00	-3.0978e+02	-1.6155e+02	2.6232e+01
	559	-1.2724e+00	1.2068e+00	-1.5139e+00	-2.1244e+02	2.0921e+01	-3.2120e+01
	539	-1.2724e+00	6.2845e-01	-1.8896e+00	1.9600e+02	1.5602e+01	-7.7139e+01
106	537	3.7332e+00	-6.3599e-01	-1.9236e+00	-1.5771e+02	-2.1858e+02	7.1244e+01
	557	3.7332e+00	-1.1612e+00	-2.1500e+00	1.3564e+02	-1.1102e+02	4.8345e+01
	558	8.2774e-01	-1.1612e+00	-8.7672e+00	-2.3758e+02	-6.4888e+01	5.7134e+01
	538	8.2774e-01	-6.3599e-01	-8.0826e+00	4.0969e+01	9.8773e+01	7.1821e+01
107	411	-1.4428e+00	-4.2124e-16	-7.5873e-02	-1.0029e+03	5.1927e+00	3.4663e+01
	555	-1.4428e+00	-2.2876e-01	1.5828e+00	-6.5053e+02	-1.8602e+01	2.1342e+01
	556	-3.3568e+00	-2.2876e-01	1.4757e+00	-6.7003e+02	-8.3173e+00	7.7702e+00
	61	-3.3568e+00	-8.5588e-16	-1.8526e-01	-1.0374e+03	-3.5423e+00	1.5871e+01
108	409	-7.8617e-01	-4.2365e-15	2.0575e+00	-8.1614e+02	8.9443e+00	6.2680e+01
	554	-7.8617e-01	-6.7122e-02	2.6507e+00	-5.4025e+02	5.1622e+00	2.7345e+01
	555	-1.4428e+00	-6.7122e-02	1.8418e+00	-6.0339e+02	-1.9274e+01	7.0101e+00
	411	-1.4428e+00	-2.5654e-15	1.2490e+00	-9.4801e+02	-6.1559e+00	3.9782e+01
109	187	-5.3302e-01	0.0000e+00	2.7195e+00	-5.5067e+02	1.4052e+01	7.9780e+01
	553	-5.3302e-01	3.3284e-02	3.4166e+00	-3.8618e+02	1.6446e+01	2.8928e+01
	554	-7.8617e-01	3.3284e-02	3.0843e+00	-4.6193e+02	-2.5825e+01	1.4154e+01
	409	-7.8617e-01	0.0000e+00	2.3873e+00	-7.2361e+02	-1.0953e+01	6.4669e+01
110	407	-2.7468e-01	-6.3835e-15	3.1836e+00	-3.0597e+02	1.1316e+01	6.8295e+01
	552	-2.7468e-01	3.8062e-03	4.0282e+00	-2.1275e+02	1.5196e+01	2.3465e+01
	553	-5.3302e-01	3.8062e-03	3.7814e+00	-2.9760e+02	-1.3174e+01	2.1961e+01
	187	-5.3302e-01	-5.8723e-15	2.9369e+00	-4.5485e+02	-8.1533e+00	6.6779e+01
111	406	-2.0719e-01	6.9102e-15	3.3900e+00	-1.0969e+02	1.0524e+01	6.0030e+01
	551	-2.0719e-01	-3.7679e-03	4.3630e+00	-8.1448e+01	1.6347e+01	2.0925e+01
	552	-2.7468e-01	-3.7679e-03	4.2266e+00	-1.4826e+02	-1.5305e+01	2.0385e+01
	407	-2.7468e-01	6.6281e-15	3.2538e+00	-2.1584e+02	-9.0107e+00	5.9507e+01
112	186	1.6836e-01	1.1542e-32	3.4855e+00	1.2979e+02	7.5555e+00	5.6294e+01
	550	1.6836e-01	-3.3497e-03	4.4601e+00	7.4212e+01	1.3191e+01	1.8829e+01
	551	-2.0719e-01	-3.3497e-03	4.4701e+00	-3.4799e+01	-1.2224e+01	2.0649e+01
	406	-2.0719e-01	1.1565e-32	3.4959e+00	-4.5149e+01	-7.8316e+00	5.8078e+01
113	400	4.1816e-01	-1.3551e-32	3.3454e+00	3.6219e+02	9.9665e+00	4.4043e+01
	549	4.1816e-01	8.3629e-03	4.3671e+00	2.0633e+02	2.9838e+01	5.3767e+00
	550	1.6836e-01	8.3629e-03	4.4329e+00	1.4614e+02	-1.7249e+01	2.1475e+01
	186	1.6836e-01	-1.3822e-32	3.4111e+00	2.1695e+02	-9.3943e+00	6.0151e+01
114	399	7.3757e-01	-9.8067e-33	2.9571e+00	4.9245e+02	6.5262e+00	-1.0510e+01
	548	7.3757e-01	-4.1323e-02	3.9815e+00	2.4138e+02	3.3645e+01	-2.3978e+01
	549	4.1816e-01	-4.1323e-02	4.1910e+00	2.4678e+02	4.4426e+00	1.3130e+01
	400	4.1816e-01	-1.0647e-32	3.1656e+00	4.2071e+02	-4.7767e+00	2.8045e+01
115	60	2.3777e-01	3.9281e-16	2.0985e+00	3.4661e+02	-2.0555e+01	-7.8397e+01
	547	2.3777e-01	-7.1913e-02	3.2857e+00	-7.6331e+01	-7.2500e+01	-1.4830e+01
	548	7.3757e-01	-7.1913e-02	3.8285e+00	1.9273e+02	7.5808e+01	2.2127e+00
	399	7.3757e-01	4.4541e-16	2.6351e+00	4.3186e+02	1.5315e+01	-6.6133e+01
116	91	7.2092e-01	0.0000e+00	2.7787e+00	1.6827e+02	2.8013e+01	6.2252e+01
	546	7.2092e-01	-2.8904e-01	4.6936e+00	5.3841e+01	8.3522e+01	7.9650e+00
	547	2.3777e-01	-2.8904e-01	3.2559e+00	1.9848e+02	-1.0549e+02	-1.9258e+01
	60	2.3777e-01	0.0000e+00	1.3783e+00	-2.5362e+02	-2.9258e+01	4.1721e+01

117	168	1.2273e+00	0.0000e+00	-2.1216e+00	5.4351e+02	2.6008e+01	3.8416e+01
	545	1.2273e+00	9.7328e-01	-5.1978e-01	3.5717e+02	1.3615e+01	-8.1998e+01
	546	7.2092e-01	9.7328e-01	4.0657e+00	1.5454e+02	1.6162e+01	-6.0894e+01
	91	7.2092e-01	0.0000e+00	2.0187e+00	2.7569e+02	-2.6236e+01	5.7119e+01
118	1	6.5219e+00	-2.9597e-15	-2.8786e+00	4.1489e+02	-1.3706e+01	-1.8870e+01
	544	6.5219e+00	1.7373e+00	-1.5411e+00	1.9826e+02	2.1945e+02	5.0089e+01
	545	1.2273e+00	1.7373e+00	-2.3973e+00	2.2646e+02	-2.0234e+02	7.3191e+01
	168	1.2273e+00	-3.9252e-15	-3.7963e+00	6.5509e+02	-1.2602e+01	-2.7669e+01
119	421	1.6645e+00	-5.0826e-31	1.7178e+00	4.9082e+02	2.4266e+01	4.8944e+01
	542	1.6645e+00	-3.4774e-01	-1.7022e+00	2.6462e+02	1.1390e+02	-3.0337e+01
	543	-7.6895e-01	-3.4774e-01	1.4795e+00	2.7387e+02	-1.6030e+02	-8.4227e+01
	58	-7.6895e-01	-5.1358e-31	1.5863e+00	1.2887e+02	-3.5355e+01	3.8896e+01
120	536	-8.2824e-01	2.3219e-15	-1.1313e+00	2.2957e+02	-3.0784e+01	-9.0417e+01
	541	-8.2824e-01	-1.9725e-01	-1.3138e+00	1.3932e+02	-8.6741e+01	1.3088e+01
	542	1.6645e+00	-1.9725e-01	-1.6556e+00	2.4954e+02	8.7959e+01	1.1894e+01
	421	1.6645e+00	2.5757e-15	-1.2594e+00	4.9112e+02	2.7339e+01	-8.1898e+01
121	398	6.4168e-01	7.5042e-32	-1.1515e+00	4.8852e+02	9.8732e+00	-4.9155e+01
	539	6.4168e-01	5.8041e-01	-1.8220e+00	2.6963e+02	4.7640e+01	-6.6433e+01
	540	1.7601e+00	5.8041e-01	-1.7169e+00	2.1063e+02	3.3713e+01	2.2885e+01
	412	1.7601e+00	9.4788e-32	-8.0346e-01	4.7078e+02	3.2516e+00	3.4439e+01
122	413	1.8047e+00	-1.0201e-14	-4.9220e+00	6.5035e+02	-1.2944e+01	-3.0300e+01
	538	1.8047e+00	6.2845e-01	-6.3781e+00	2.1030e+02	-6.1335e+01	-3.9809e+01
	539	6.4168e-01	6.2845e-01	-2.3305e+00	2.0152e+02	1.9320e+01	-6.2758e+01
	398	6.4168e-01	-1.8656e-15	-9.0059e-01	6.1472e+02	-8.2915e+00	-5.3112e+01
123	53	1.4538e+00	4.4326e-31	-2.1024e+00	-1.2033e+02	-6.8921e+01	-1.8030e+01
	537	1.4538e+00	-6.3599e-01	-3.0216e+00	1.3602e+02	-2.2810e+02	1.3282e+02
	538	1.8047e+00	-6.3599e-01	-6.6652e+00	1.9504e+02	1.3233e+02	6.1197e+01
	413	1.8047e+00	1.0301e-30	-5.7671e+00	5.2166e+02	4.2165e+01	-8.9584e+01
251	394	-4.1668e-01	-4.7337e-01	1.0551e+00	-7.7083e+02	2.2726e+02	2.6296e+01
	397	-4.1668e-01	1.7237e-15	-3.0031e+00	-2.8261e+02	4.0818e+02	-6.5955e+02
	504	-4.1315e+00	1.7237e-15	-1.6708e+00	-2.1844e+03	-3.4102e+02	-6.7654e+02
	395	-4.1315e+00	-4.7337e-01	3.3612e+00	-4.5298e+02	-1.3068e+02	1.0846e+01
252	393	8.9770e-01	-9.4432e-01	2.0911e+00	-4.6880e+02	2.0381e+02	8.4904e+01
	396	8.9770e-01	5.5432e-15	1.9500e+00	-1.1512e+02	3.3243e+01	4.7063e+01
	397	-4.1668e-01	-2.8488e-15	-3.9381e-01	-1.1276e+02	1.2215e+01	-1.7342e+02
	394	-4.1668e-01	-9.4432e-01	4.9165e-01	-5.6320e+02	2.1697e+02	-1.3328e+02
253	392	-1.3454e+01	-1.0143e+00	-7.4470e-01	-3.4779e+02	-8.1979e+01	-1.2885e+01
	503	-1.3454e+01	-1.6292e-15	6.2228e+00	-1.4923e+03	-2.2609e+02	4.3692e+02
	396	8.9770e-01	-1.6292e-15	7.0541e+00	-2.0435e+02	2.7590e+02	4.0287e+02
	393	8.9770e-01	-1.0143e+00	8.0583e-01	-5.9832e+02	1.9078e+02	-4.6159e+01
254	389	-1.4180e+00	-9.7223e-01	2.0128e+00	-2.7075e+02	7.0527e+01	1.0326e+02
	394	-1.4180e+00	-4.7337e-01	2.8127e+00	-5.0142e+02	7.0742e+01	7.1099e+01
	395	-3.4338e+00	-4.7337e-01	1.0554e+00	-5.7986e+02	9.8353e+01	1.2542e+02
	391	-3.4338e+00	-9.7223e-01	-4.0541e-01	-2.6773e+02	5.1913e+00	1.5764e+02
255	379	-2.2397e+00	-2.0164e+00	2.4454e+00	-2.8662e+02	1.2939e+02	-2.7724e+01
	393	-2.2397e+00	-9.4432e-01	2.0155e+00	-3.8823e+02	2.0214e+02	-5.6856e+01
	394	-1.4180e+00	-9.4432e-01	2.1215e+00	-4.3083e+02	2.2893e+02	6.1656e+01
	389	-1.4180e+00	-2.0164e+00	2.5497e+00	-3.1137e+02	9.8173e+01	9.0510e+01
256	377	-5.8603e+00	-5.9581e-01	1.4284e+00	-2.3271e+02	3.2142e+00	-9.5071e+01
	392	-5.8603e+00	-1.0143e+00	-6.9613e-01	-4.3536e+02	7.4625e+01	-9.4308e+01
	393	-2.2397e+00	-1.0143e+00	8.8476e-01	-4.2694e+02	8.5958e+01	-5.0084e+01
	379	-2.2397e+00	-5.9581e-01	2.7902e+00	-2.3883e+02	8.2051e+01	-5.0790e+01
257	390	9.1264e-01	6.4574e-02	3.3569e+00	-2.3091e+01	1.3379e+01	8.9568e+01
	389	8.6801e-01	-1.0031e+00	1.1686e+00	-2.2913e+02	6.4782e+01	9.8620e+01
	391	-1.3131e+01	-9.6017e-01	3.1282e+00	-2.0515e+02	2.3007e+01	1.4242e+02
	12	-1.3178e+01	1.0656e-01	5.4994e+00	-5.2866e+01	7.9555e+00	1.3409e+02
258	387	2.1703e-01	3.2133e-02	1.6296e+00	-4.7826e+01	1.3341e+01	-1.5382e+01

	379	2.2208e-01	-1.9668e+00	2.0611e+00	-1.8755e+02	9.9210e+01	-1.5135e+01
	389	8.7916e-01	-1.9757e+00	1.6179e+00	-2.0052e+02	7.4109e+01	7.7665e+01
	390	8.7120e-01	2.3709e-02	1.2046e+00	-4.2369e+01	7.0949e+00	8.1866e+01
259	11	-5.0297e+00	8.1145e-29	-2.6262e+00	-6.2072e+01	-1.0638e+01	-6.9535e+01
	377	-5.0297e+00	-5.9581e-01	1.1379e+00	-1.7308e+02	1.1097e+01	-8.4333e+01
	379	2.2396e-01	-5.9581e-01	2.4196e+00	-2.0318e+02	7.3795e+01	-3.7018e+01
	387	2.2396e-01	4.4900e-29	-1.3490e+00	-2.3653e+01	1.1694e+01	-2.9590e+01
260	360	-3.8707e+00	-5.8647e-01	-2.4832e+00	7.1137e+01	-9.5897e+00	-2.4379e+01
	374	-3.8707e+00	2.2540e-15	8.5060e-01	7.6828e+01	-7.0228e+01	5.9201e+01
	502	4.0070e+00	2.2540e-15	4.3550e+00	1.8858e+02	8.1828e+01	6.5193e+01
	365	4.0070e+00	-5.8647e-01	2.3794e+00	3.4596e+01	-2.0150e+01	-2.6565e+01
261	359	-1.1682e+01	7.4831e+00	1.4726e+01	7.4828e+01	-1.5083e+01	-3.0039e+01
	372	-1.1682e+01	0.0000e+00	1.8836e+01	4.2992e+01	-2.4017e+01	-4.7456e+01
	374	-3.8707e+00	0.0000e+00	1.3020e+00	5.5907e+01	2.5507e+01	-4.7243e+01
	360	-3.8707e+00	7.4831e+00	-2.8540e+00	7.3967e+01	2.2090e+00	-2.9208e+01
262	342	-4.8031e+01	-1.1020e+00	-2.6688e+01	5.3527e+01	-7.9387e+00	-3.4549e+01
	501	-4.8031e+01	2.1111e-16	1.8335e+01	7.7492e+01	2.5263e+01	-5.2800e+01
	372	-1.1682e+01	2.1111e-16	4.9176e+01	4.4026e+01	-2.6603e+01	-5.2840e+01
	359	-1.1682e+01	-1.1020e+00	4.2446e+00	7.3882e+01	4.3114e+00	-3.4502e+01
263	351	-7.8970e+00	2.4625e-01	-1.9744e+00	3.8623e+01	-1.8509e+01	-1.2116e+01
	360	-7.8970e+00	-5.8647e-01	-1.3251e+00	5.7061e+01	-1.2804e+01	-1.8304e+01
	365	-6.0942e+00	-5.8647e-01	2.0620e+00	9.2371e+01	7.7887e+00	-1.5688e+01
	358	-6.0942e+00	2.4625e-01	1.4080e+00	-3.7302e+01	-6.9798e+00	1.3141e+01
264	345	-1.4266e+01	2.7208e+00	1.9413e+00	6.5825e+01	-3.8897e+01	-1.1093e+01
	359	-1.4266e+01	7.4831e+00	2.6821e+00	6.2549e+01	-1.5020e+01	-2.4072e+01
	360	-7.8970e+00	7.4831e+00	-1.7422e+00	5.5716e+01	-1.6856e+01	-2.1945e+01
	351	-7.8970e+00	2.7208e+00	-2.4253e+00	4.9526e+01	8.2497e+00	-1.1899e+01
265	336	-9.5219e+00	2.1252e-01	-5.1420e+00	8.7783e+01	-4.1583e+01	-1.1238e+01
	342	-9.5219e+00	-1.1020e+00	-1.4077e+01	7.4412e+01	1.1908e+01	-3.1527e+01
	359	-1.4266e+01	-1.1020e+00	-7.9091e+00	6.5975e+01	-1.4091e+01	-2.6814e+01
	345	-1.4266e+01	2.1252e-01	1.2145e+00	7.3404e+01	9.7315e+00	-9.0127e+00
266	357	-3.5080e+00	-1.6421e-29	-1.9450e+00	-6.8899e+01	8.3981e+01	8.9242e+01
	351	-3.5080e+00	2.4625e-01	-1.5368e+00	3.5655e+01	-1.5205e+01	2.8218e+01
	358	-9.7358e+00	2.4625e-01	3.5295e+00	7.7110e+01	2.5415e+01	3.4823e+01
	120	-9.7358e+00	2.7072e-29	3.2065e+00	-1.9433e+02	-1.0510e+02	9.6980e+01
267	346	-4.1126e+00	0.0000e+00	-7.2188e+00	-5.3617e+01	3.5092e+01	7.5079e+01
	345	-4.1126e+00	2.7208e+00	-5.1426e+00	6.1756e+01	1.2363e+01	3.0015e+01
	351	-3.5080e+00	2.7208e+00	-1.9922e+00	4.2745e+01	-1.4286e+01	2.7678e+01
	357	-3.5080e+00	0.0000e+00	-4.0686e+00	-4.6394e+01	-4.7846e+01	7.3003e+01
268	14	-4.6763e+00	7.4986e-29	-5.3038e+00	-2.4099e+01	2.6655e+01	7.9371e+01
	336	-4.6763e+00	2.1252e-01	-3.8664e+00	1.4524e+02	8.4520e+00	3.0321e+01
	345	-4.1126e+00	2.1252e-01	-5.9376e+00	8.3720e+01	-2.5218e+01	3.0174e+01
	346	-4.1126e+00	9.9790e-29	-7.3768e+00	-5.0827e+01	-4.5584e+01	7.9669e+01
269	341	-6.0978e-01	8.7878e+00	-8.7918e+00	8.9371e+01	5.7730e+00	-3.4886e+01
	344	-6.0978e-01	3.7263e-14	-2.2043e+01	2.8467e+01	-1.6983e+01	4.7389e+01
	501	-4.8031e+01	6.8139e-14	-3.3266e+01	7.3836e+01	1.8239e+01	4.4646e+01
	342	-4.8031e+01	8.7878e+00	-2.0250e+01	5.6782e+01	7.4972e+00	-3.3983e+01
270	340	-2.8256e+00	7.3470e+00	-1.4298e+01	1.5407e+02	-9.8787e+00	-3.0365e+01
	343	-2.8256e+00	3.9806e-16	-6.7535e+00	2.6150e+01	1.4366e+01	-6.4274e+01
	344	-6.0978e-01	3.9806e-16	-7.2943e+00	3.0997e+01	1.3747e+01	-5.3262e+01
	341	-6.0978e-01	7.3470e+00	-1.4736e+01	9.8896e+01	1.8423e+01	-1.9865e+01
271	337	7.5653e+01	-3.9473e-01	-1.7232e+01	6.4907e+01	-1.2120e+01	-2.3103e+01
	500	7.5653e+01	-5.8535e-14	-3.1477e+01	3.7127e+02	9.1200e+01	-1.3227e+02
	343	-2.8256e+00	-4.9149e-14	-2.1819e+01	6.5758e+01	-9.8576e+01	-1.3289e+02
	340	-2.8256e+00	-3.9473e-01	-7.4381e+00	1.7691e+02	-6.1182e+00	-2.3207e+01
272	330	-7.9828e+00	2.9750e+00	-1.4206e+01	1.3598e+02	1.1290e+01	-1.3437e+01
	341	-7.9828e+00	8.7878e+00	-1.1790e+01	8.7758e+01	1.5677e+01	-2.0202e+01

	342	-9.5219e+00	8.7878e+00	-7.6256e+00	7.2715e+01	3.5936e+00	-3.1822e+01
	336	-9.5219e+00	2.9750e+00	-1.0031e+01	1.0527e+02	3.1342e+01	-1.0853e+01
273	321	5.3300e+00	-3.9385e+00	-2.0477e+01	1.5846e+02	4.2151e+00	2.4440e+01
	340	5.3300e+00	7.3470e+00	-2.2227e+01	1.1780e+02	1.9366e+01	-8.3242e+00
	341	-7.9828e+00	7.3470e+00	-1.7735e+01	9.4933e+01	4.5659e+00	-1.3805e+01
	330	-7.9828e+00	-3.9385e+00	-1.5997e+01	1.4588e+02	1.8625e+01	-1.3982e+01
274	320	1.2199e+01	2.2627e+00	-1.4116e+00	1.9213e+02	-2.9783e+01	2.7900e+01
	337	1.2199e+01	-3.9473e-01	1.6601e+00	1.6332e+02	-3.2197e+01	-1.4046e+01
	340	5.3300e+00	-3.9473e-01	-1.5377e+01	1.3551e+02	-1.7570e+01	-6.6386e+00
	321	5.3300e+00	2.2627e+00	-1.8423e+01	1.5838e+02	-5.6506e+00	3.3538e+01
275	335	-2.5538e+00	2.5365e-14	-1.2073e+01	4.1732e+02	1.1894e+02	1.4622e+02
	330	-2.5538e+00	2.9750e+00	-1.4598e+01	2.5291e+01	4.1869e+01	-1.5816e+01
	336	-4.6763e+00	2.9750e+00	-8.7529e+00	1.7387e+02	8.5568e+00	3.1964e+01
	14	-4.6763e+00	1.3177e-14	-6.2259e+00	4.8248e+01	-1.1853e+02	1.6612e+02
276	326	3.0076e+00	-2.6884e-29	-5.1481e+00	8.1227e+01	-8.4555e+01	-3.5738e+01
	321	3.0076e+00	-3.9385e+00	-1.0814e+01	2.8957e+02	5.3766e+00	3.3016e+01
	330	-2.5538e+00	-3.9385e+00	-1.6386e+01	4.3342e+01	2.5090e+01	4.3156e+01
	335	-2.5538e+00	-5.4505e-29	-1.0437e+01	4.2959e+02	8.3873e+01	-2.4405e+01
277	13	-3.5339e+01	-3.6424e-14	-1.6959e+01	4.3139e+02	8.9259e+01	1.2568e+02
	320	-3.5339e+01	2.2627e+00	-1.8134e+01	1.0259e+02	-2.8038e+01	3.5614e+01
	321	3.0076e+00	2.2627e+00	-8.7806e+00	2.9354e+02	1.7000e+00	2.8289e+01
	326	3.0076e+00	-1.5960e-14	-7.5288e+00	8.7609e+01	-9.7377e+01	1.1801e+02
278	294	9.8530e+00	-4.5598e+00	3.4967e+00	1.0839e+01	5.0389e+00	-1.1767e+01
	297	9.8530e+00	1.1264e-15	1.6380e+01	3.0822e+01	-4.2660e+01	1.8279e+01
	499	6.5918e+01	1.1264e-15	2.1154e+01	9.0072e+01	5.2993e+01	2.1764e+01
	295	6.5918e+01	-4.5598e+00	8.3108e+00	-2.9757e+01	-9.9513e+00	-9.8159e+00
279	293	-8.5325e+00	-1.3298e-01	1.1764e+01	1.4692e+01	-1.9988e+00	-1.1989e+01
	296	-8.5325e+00	-3.5181e-14	-4.8384e+00	-1.3497e+01	-2.7529e+01	1.3625e+01
	297	9.8530e+00	-3.6163e-14	-3.8613e+00	1.7117e+01	2.9079e+01	1.2832e+01
	294	9.8530e+00	-1.3298e-01	1.2731e+01	1.0760e+01	1.1589e+01	-1.4331e+01
280	292	-6.1475e+01	5.1536e+00	9.3634e+00	4.4220e+01	7.9165e+00	4.8681e+00
	498	-6.1475e+01	-3.1849e-15	1.9524e+01	-7.9335e+01	-4.8911e+01	2.3371e+01
	296	-8.5325e+00	-3.1849e-15	1.3329e+01	-2.5842e+01	4.0137e+01	1.8215e+01
	293	-8.5325e+00	5.1536e+00	3.1425e+00	1.3785e+01	9.3566e+00	-8.5541e+00
281	289	7.4058e+00	3.1291e+00	1.1037e+01	-7.3688e+00	5.2637e+00	-4.1814e+00
	294	7.4058e+00	-4.5598e+00	8.3493e+00	1.5125e+01	5.5839e+00	-1.9419e+01
	295	1.5595e+01	-4.5598e+00	-1.2266e+00	6.1615e+01	1.0647e+01	-1.6420e+01
	291	1.5595e+01	3.1291e+00	1.4807e+00	-5.9575e+01	-3.1769e+00	-2.6687e+00
282	286	-4.6643e+00	-1.2510e-01	1.4903e+01	3.7824e+01	1.8697e+01	-7.1063e+00
	293	-4.6643e+00	-1.3298e-01	1.7359e+01	-7.0656e+00	1.8255e+01	-1.5792e+01
	294	7.4058e+00	-1.3298e-01	1.7589e+01	8.5660e+00	-3.4926e+00	-2.2097e+01
	289	7.4058e+00	-1.2510e-01	1.5130e+01	1.9120e+01	2.6140e+01	-1.2992e+01
283	285	-1.4150e+01	-2.7737e+00	9.9532e-01	6.1005e+01	4.8233e+00	-2.7939e+00
	292	-1.4150e+01	5.1536e+00	-5.0474e-01	-2.3147e+01	1.1849e+00	-4.5276e+00
	293	-4.6643e+00	5.1536e+00	8.7210e+00	-9.7442e+00	6.4372e+00	-1.2699e+01
	286	-4.6643e+00	-2.7737e+00	1.0199e+01	4.4185e+01	3.6944e+01	-8.8330e+00
284	290	-2.5707e+00	1.0508e-28	1.1402e+01	-1.4033e+02	1.1492e+02	8.5555e+01
	289	-2.5707e+00	3.1291e+00	7.7572e+00	-2.2672e+01	4.1174e+00	1.2884e+01
	291	-2.6381e+01	3.1291e+00	6.7761e+00	6.3304e+01	3.7423e+01	2.8855e+01
	20	-2.6381e+01	9.6287e-29	1.0448e+01	-2.9224e+02	-1.4343e+02	1.0176e+02
285	288	3.9916e+00	7.2335e-15	3.7356e+00	-7.2268e+01	4.8885e+01	4.3752e+01
	286	3.9916e+00	-1.2510e-01	1.2361e+01	-1.8187e+01	3.6522e+01	5.4019e+00
	289	-2.5707e+00	-1.2510e-01	1.1848e+01	-1.8210e+01	1.1792e+01	1.5570e+01
	290	-2.5707e+00	6.2431e-15	3.2441e+00	-1.0847e+02	-4.8279e+01	5.4764e+01
286	19	3.0925e+01	1.3300e-01	1.2956e+01	-7.3449e+01	5.0546e+00	1.7801e+01
	285	3.0861e+01	-2.6767e+00	6.6261e+00	-1.1214e+01	7.1746e+00	5.6165e+00
	286	3.8964e+00	-2.6653e+00	7.6536e+00	-1.1141e+01	3.1970e+01	1.4253e+01

	288	3.8323e+00	1.4384e-01	1.3975e+01	-7.2019e+01	-3.7502e+00	2.6442e+01
287	281	-4.0253e+00	-3.3175e+00	-3.2820e+00	4.4482e+02	2.8183e+01	2.9092e+01
	284	-4.0253e+00	-3.5646e-14	-1.7189e+01	3.3355e+02	-4.2048e+02	3.5794e+02
	497	-2.3358e+01	-1.3870e-14	-8.7542e+00	1.3280e+03	4.2936e+02	3.8270e+02
	282	-2.3358e+01	-3.3175e+00	5.1863e+00	-1.2338e+02	-9.5644e+01	5.3840e+01
288	280	-4.2197e+00	-1.7493e-01	4.9905e+00	3.2447e+02	-8.1421e+01	-7.7913e-01
	283	-4.2197e+00	-1.3071e-14	5.2023e+00	1.6799e+02	-6.5297e+01	8.7474e+01
	284	-4.0253e+00	1.3891e-14	-5.6627e+00	1.8126e+02	3.9338e+01	1.1074e+02
	281	-4.0253e+00	-1.7493e-01	-5.8855e+00	4.2459e+02	-1.7038e+01	2.2990e+01
289	279	-2.2212e+01	-3.5962e+00	-6.2770e+00	8.1974e+01	-3.3779e+01	1.3226e+01
	496	-2.2212e+01	1.4086e-14	7.9803e+00	4.6498e+02	9.5016e+01	-3.9512e+01
	283	-4.2197e+00	3.5837e-14	1.6780e+01	1.9061e+02	-1.0111e+02	-2.5638e+01
	280	-4.2197e+00	-3.5962e+00	2.5387e+00	2.8943e+02	-2.2464e+01	2.9207e+01
290	276	-1.1018e+01	-3.0564e+00	-3.0682e+00	4.3663e+01	-7.9101e+00	-4.7297e+01
	281	-1.1018e+01	-3.3175e+00	1.6439e+00	1.3755e+02	2.2566e+01	-1.5513e+00
	282	-7.5094e+00	-3.3175e+00	2.5382e+00	3.7413e+02	-5.9399e+01	-1.3228e+01
	278	-7.5094e+00	-3.0564e+00	-2.1565e+00	-1.3378e+02	8.4399e+00	-5.9378e+01
291	274	-1.1846e+01	-1.5847e+00	-6.4106e-01	3.1336e+01	-7.8985e+00	-2.4268e+01
	280	-1.1846e+01	-1.7493e-01	-5.0650e-01	1.1453e+02	-7.0484e+00	-1.0366e+01
	281	-1.1018e+01	-1.7493e-01	-1.0166e+00	9.4015e+01	-8.8658e+01	-4.5391e+01
	276	-1.1018e+01	-1.5847e+00	-1.1729e+00	7.0600e+01	2.2921e+01	-5.9801e+01
292	273	-9.5045e+00	-2.5509e+00	2.2640e+00	-6.9994e+01	1.3161e+01	-8.9137e+00
	279	-9.5045e+00	-3.5962e+00	-2.6231e+00	1.7412e+02	-6.5039e+00	1.5761e+01
	280	-1.1846e+01	-3.5962e+00	-2.8021e+00	1.2518e+02	-3.7440e+01	2.1980e+00
	274	-1.1846e+01	-2.5509e+00	2.1112e+00	1.2266e+01	-9.6359e+00	-2.3520e+01
293	277	-3.7082e+00	3.6394e-14	1.7686e+01	-1.6543e+02	1.9189e+02	1.0186e+02
	276	-3.7082e+00	-3.0564e+00	1.6181e+00	-1.7713e+02	-6.7874e+00	-3.7113e+01
	278	-2.5682e+01	-3.0564e+00	-3.4825e+00	1.2113e+02	3.5880e+01	-2.5614e+01
	18	-2.5682e+01	2.5937e-14	1.2618e+01	-6.4327e+02	-1.9861e+02	1.1348e+02
294	275	-3.9722e+00	6.9565e-15	-3.4275e+00	-1.0353e+02	1.0677e+01	-3.0838e+01
	274	-3.9722e+00	-1.5847e+00	-4.2428e+00	-1.5918e+02	2.9863e+01	-4.3169e+01
	276	-3.7082e+00	-1.5847e+00	3.5449e+00	-1.8136e+02	8.0479e+00	-3.4509e+01
	277	-3.7082e+00	-8.8226e-15	4.3463e+00	-9.6741e+01	-2.7984e+00	-2.2049e+01
295	17	-2.7859e+01	-2.3627e-14	-1.1568e+01	-5.0313e+02	-1.4802e+02	-1.4073e+02
	273	-2.7859e+01	-2.5509e+00	1.5662e+00	5.9212e+01	3.9567e+01	-3.2118e+01
	274	-3.9722e+00	-2.5509e+00	-1.6557e+00	-1.5134e+02	-1.3059e+01	-2.2330e+01
	275	-3.9722e+00	-3.0283e-14	-1.4712e+01	-1.5148e+02	1.4394e+02	-1.3080e+02
296	268	4.2863e+00	3.4102e+00	1.6402e+00	4.6540e+02	2.1835e+01	2.6126e+01
	272	4.2863e+00	0.0000e+00	1.5636e+01	3.4372e+02	-4.0142e+02	3.3461e+02
	495	2.1683e+01	0.0000e+00	7.4509e+00	1.2995e+03	4.0798e+02	3.6043e+02
	269	2.1683e+01	3.4102e+00	-6.6985e+00	-9.0887e+01	-9.4848e+01	5.1841e+01
297	267	3.6329e+00	-2.4684e-01	-6.7383e+00	3.8806e+02	-7.6087e+01	2.0606e+00
	271	3.6329e+00	-2.5333e-15	-6.0733e+00	1.9109e+02	-5.1027e+01	6.3061e+01
	272	4.2863e+00	-2.5333e-15	4.4149e+00	2.0158e+02	2.2640e+01	8.8751e+01
	268	4.2863e+00	-2.4684e-01	3.8601e+00	4.5456e+02	-3.4763e+01	2.7990e+01
298	266	2.1565e+01	3.1449e+00	4.4085e+00	4.7858e+01	-5.0831e+01	7.3481e+00
	494	2.1565e+01	7.4471e-16	-8.1390e+00	7.1854e+02	1.8240e+02	-1.1443e+02
	271	3.6329e+00	7.4471e-16	-1.6804e+01	2.4582e+02	-1.8585e+02	-9.4989e+01
	267	3.6329e+00	3.1449e+00	-4.3002e+00	3.6070e+02	-1.5697e+01	2.6147e+01
299	231	1.2311e+01	2.2113e+00	1.9994e+00	4.4270e+01	-4.1441e+00	-3.8398e+01
	268	1.2311e+01	3.4102e+00	-3.4562e+00	1.5509e+02	1.3491e+01	5.3129e+00
	269	1.1303e+01	3.4102e+00	-2.9376e+00	3.7333e+02	-5.6087e+01	-9.3473e+00
	237	1.1303e+01	2.2113e+00	2.3363e+00	-1.1920e+02	6.1187e+00	-5.2710e+01
300	229	9.3352e+00	2.4355e+00	-2.3794e+00	4.5420e+01	8.3479e+00	-9.1647e+00
	267	9.3352e+00	-2.4684e-01	-2.5133e+00	1.2146e+02	-2.7280e+01	1.0414e+01
	268	1.2311e+01	-2.4684e-01	-1.5756e+00	1.1364e+02	-8.0016e+01	-3.2353e+01
	231	1.2311e+01	2.4355e+00	-1.4560e+00	6.9982e+01	1.2583e+01	-4.5115e+01

301	228	4.7532e+00	2.2078e+00	-1.2165e+00	-1.0894e+02	1.8274e+01	8.0097e+00
	266	4.7532e+00	3.1449e+00	1.8279e+00	2.4395e+02	-1.8135e+01	2.3131e+01
	267	9.3352e+00	3.1449e+00	-6.3457e-01	1.4090e+02	-3.0038e+01	7.1194e+00
	229	9.3352e+00	2.2078e+00	-3.0048e+00	1.9326e+01	-1.5570e+01	-1.2501e+01
302	232	4.1329e+00	0.0000e+00	-1.7309e+01	-1.7070e+02	1.7794e+02	9.2169e+01
	231	4.1329e+00	2.2113e+00	-1.1111e+00	-1.8014e+02	-4.6134e+00	-3.4262e+01
	237	3.4800e+01	2.2113e+00	1.1163e+00	1.0588e+02	3.5835e+01	-2.2728e+01
	16	3.4800e+01	0.0000e+00	-1.5718e+01	-6.1894e+02	-1.8363e+02	1.0413e+02
303	230	2.8523e+00	-5.8217e-29	2.6705e+00	-1.1602e+02	-1.2143e+00	-4.0292e+01
	229	2.8523e+00	2.4355e+00	1.8072e+00	-1.9205e+02	2.3200e+01	-3.4324e+01
	231	4.1329e+00	2.4355e+00	-4.0118e+00	-1.9040e+02	1.8732e+01	-2.4975e+01
	232	4.1329e+00	7.9696e-29	-2.8301e+00	-1.0904e+02	1.0507e+01	-3.0591e+01
304	15	1.6296e+01	0.0000e+00	8.2353e+00	-6.6877e+02	-2.0563e+02	-1.8162e+02
	228	1.6296e+01	2.2078e+00	3.3486e-01	9.7063e+01	4.8960e+01	-2.9648e+01
	229	2.8523e+00	2.2078e+00	1.0467e+00	-1.8869e+02	-1.7671e+01	-1.7865e+01
	230	2.8523e+00	0.0000e+00	8.8581e+00	-1.8538e+02	1.9918e+02	-1.6937e+02
305	224	-9.3836e-01	1.7612e+00	4.2264e-01	-8.4362e+02	2.3913e+02	7.2060e+00
	227	-9.3836e-01	-2.8310e-14	1.2902e+01	-3.3143e+02	4.9140e+02	-8.2690e+02
	493	1.4834e+01	-1.7417e-14	8.0083e+00	-2.6220e+03	-4.1266e+02	-8.2536e+02
	225	1.4834e+01	1.7612e+00	-5.5461e+00	-4.8071e+02	-1.6305e+02	8.7723e+00
306	223	-1.2701e+00	2.3727e+00	-2.3400e+00	-6.0691e+02	2.5727e+02	1.9906e+01
	226	-1.2701e+00	-4.8153e-15	-2.5311e+00	-1.3127e+02	2.7977e+01	2.9102e+01
	227	-9.3836e-01	7.8182e-15	2.9499e+00	-1.3246e+02	2.4251e+01	-2.3130e+02
	224	-9.3836e-01	2.3727e+00	3.1827e+00	-6.0567e+02	2.2584e+02	-2.3021e+02
307	222	2.4064e+01	2.1124e+00	5.3986e+00	-3.9485e+02	-1.8459e+02	-2.3065e+02
	492	2.4064e+01	2.3886e-14	-1.1955e+01	-2.9622e+03	-4.5674e+02	6.9249e+02
	226	-1.2701e+00	3.1441e-14	-1.5538e+01	-3.6721e+02	5.5648e+02	6.9694e+02
	223	-1.2701e+00	2.1124e+00	1.1897e+00	-8.5278e+02	2.7714e+02	-2.2622e+02
308	219	4.1002e+00	2.0009e+00	2.6037e+00	-1.3435e+02	2.4084e+01	1.3418e+02
	224	4.1002e+00	1.7612e+00	-3.2822e+00	-5.1244e+02	5.0571e+01	6.2623e+01
	225	9.7913e+00	1.7612e+00	-2.2166e+00	-6.0696e+02	1.0514e+02	1.5913e+02
	221	9.7913e+00	2.0009e+00	1.9163e+00	-2.0314e+02	-3.3228e+01	2.3069e+02
309	217	6.2168e+00	4.9653e+00	-2.8545e+00	5.1846e+01	-8.7799e+01	-1.5629e+02
	223	6.2168e+00	2.3727e+00	1.7965e+00	-3.3191e+02	2.6604e+02	-2.5237e+02
	224	4.1002e+00	2.3727e+00	1.7948e+00	-3.8172e+02	1.8459e+02	3.2060e+01
	219	4.1002e+00	4.9653e+00	-2.9246e+00	-1.8754e+02	4.1255e+01	1.2913e+02
310	216	1.6078e+01	2.1172e+00	-3.0765e+00	3.2231e+02	-1.2384e+02	-3.6199e+02
	222	1.6078e+01	2.1124e+00	3.2306e+00	-4.7650e+02	1.5484e+02	-4.1055e+02
	223	6.2168e+00	2.1124e+00	3.7089e+00	-4.4010e+02	4.9954e+01	-2.6167e+02
	217	6.2168e+00	2.1172e+00	-3.5823e+00	1.7543e+02	6.9464e+01	-2.1316e+02
311	220	-1.2462e+00	1.3503e-14	-6.5382e+00	3.6786e+01	-6.6434e+01	8.2298e+01
	219	-1.2462e+00	2.0009e+00	2.5914e+00	-6.0117e+01	-2.2385e+01	1.7404e+02
	221	2.0255e+01	2.0009e+00	-2.6034e+00	-1.3505e+02	2.6899e+01	1.9140e+02
	10	2.0255e+01	1.9601e-14	-9.6104e+00	3.5040e+02	4.6119e+01	1.0020e+02
312	218	-1.2964e+00	-4.8781e-15	-2.3811e+00	2.9927e+01	3.3648e+01	2.6720e+02
	217	-1.2964e+00	4.9653e+00	-3.0072e+00	3.4235e+02	-9.1713e+01	1.1669e+02
	219	-1.2462e+00	4.9653e+00	-2.7817e+00	-4.5631e+01	-3.2982e+01	5.9889e+01
	220	-1.2462e+00	-4.4465e-15	-2.1706e+00	3.8016e+01	-4.5091e+01	2.0676e+02
313	9	3.6193e+01	-3.4075e-14	1.6575e+01	2.9737e+03	4.7940e+02	8.0948e+02
	216	3.6193e+01	2.1172e+00	8.6185e-01	2.6283e+02	2.0660e+02	-1.7805e+02
	217	-1.2964e+00	2.1172e+00	-3.8625e+00	6.1594e+02	-1.6402e+02	-1.0170e+02
	218	-1.2964e+00	-2.6953e-14	1.3027e+01	3.3418e+02	-5.6813e+02	8.8586e+02
314	210	-2.0909e+00	6.2318e-01	-2.0693e+00	9.5123e+02	-2.3664e+01	6.4205e+01
	215	-2.0909e+00	-2.3970e-14	-1.2557e+01	6.4394e+02	-6.0136e+02	5.1178e+02
	479	-3.7062e+01	-2.6292e-14	-1.3623e+01	2.1993e+03	5.7792e+02	5.6706e+02
	211	-3.7062e+01	6.2318e-01	-3.0659e+00	1.9318e+01	-1.6309e+02	1.1928e+02
315	209	-1.0128e+00	-1.5545e-01	-4.3055e+00	1.0884e+03	-1.6063e+02	2.4615e+01

	212	-1.0128e+00	2.9767e-15	1.6223e+00	4.5078e+02	-5.9727e+00	-5.6419e+01
	215	-2.0909e+00	6.4409e-15	-1.2044e+00	4.5404e+02	-8.2547e+01	4.8943e+01
	210	-2.0909e+00	-1.5545e-01	-6.2557e+00	9.7948e+02	-2.3174e+02	1.2747e+02
316	208	2.9141e+01	-1.6648e+00	-4.8730e+00	-2.1735e+02	-1.9815e+02	-2.7369e+01
	478	2.9141e+01	-1.7030e-14	-1.0843e+01	3.0444e+03	8.7661e+02	-7.2964e+02
	212	-1.0128e+00	9.3749e-15	-6.8273e+00	7.6723e+02	-8.9889e+02	-6.6448e+02
	209	-1.0128e+00	-1.6648e+00	-6.4971e-01	1.1088e+03	-1.6622e+01	3.9607e+01
317	205	-6.3409e+00	-1.5387e+00	-8.0345e+00	4.2644e+01	4.7287e+01	8.1790e+00
	210	-6.3409e+00	6.2318e-01	-4.3701e+00	3.5285e+02	-5.3228e+01	1.0199e+02
	211	-1.1195e+01	6.2318e-01	1.9711e+00	5.7991e+02	-1.1270e+02	4.9090e+01
	207	-1.1195e+01	-1.5387e+00	-1.7116e+00	-8.4349e+01	-5.4386e+01	-4.7332e+01
318	203	-3.2891e+00	-4.6085e-01	-8.2178e+00	4.1833e+01	-1.9654e+01	1.1040e+02
	209	-3.2891e+00	-1.5545e-01	-8.0462e+00	2.9558e+02	-2.5767e+02	1.5440e+02
	210	-6.3409e+00	-1.5545e-01	-8.6588e+00	3.1183e+02	-1.5455e+02	7.2295e+01
	205	-6.3409e+00	-4.6085e-01	-8.8402e+00	4.4369e+01	-1.5430e+02	2.9194e+01
319	202	-8.5956e+00	1.0178e+00	-1.7516e+00	-4.0486e+02	1.5874e+01	1.4040e+02
	208	-8.5956e+00	-1.6648e+00	1.3451e+00	7.6340e+02	-1.9025e+02	8.3700e+01
	209	-3.2891e+00	-1.6648e+00	-4.3784e+00	3.8284e+02	-2.3018e+01	6.7650e+01
	203	-3.2891e+00	1.0178e+00	-7.4238e+00	-1.0569e+02	-1.7732e+02	1.2407e+02
320	206	-1.6362e+00	3.3832e-15	1.4960e+00	-2.5022e+02	5.1426e+01	-1.4417e+02
	205	-1.6362e+00	-1.5387e+00	-5.0981e+00	-4.3970e+02	-1.0648e+01	-7.0108e+01
	207	6.0174e+00	-1.5387e+00	-6.7281e+00	-1.9123e+02	3.8962e+01	-6.1658e+01
	6	6.0174e+00	-5.8952e-15	-2.9093e+00	-4.3724e+02	-5.1723e+01	-1.3641e+02
321	204	-1.9995e+00	6.8736e-15	-3.2112e+00	-1.1318e+03	-3.8807e+02	-3.6803e+02
	203	-1.9995e+00	-4.6085e-01	-6.3466e+00	-2.4795e+02	-9.4066e+01	6.4763e+00
	205	-1.6362e+00	-4.6085e-01	-5.8908e+00	-5.1925e+02	1.5015e+01	-1.5709e+01
	206	-1.6362e+00	5.9625e-15	-2.7520e+00	-3.5431e+02	3.6766e+02	-3.8949e+02
322	5	-1.3049e+01	-8.7345e-15	-4.3554e+00	-1.7834e+03	-2.5629e+02	-2.3293e+02
	202	-1.3049e+01	1.0178e+00	-7.8544e+00	-2.2057e+02	-3.3687e+01	3.2719e+01
	203	-1.9995e+00	1.0178e+00	-5.5660e+00	-3.1617e+02	-7.2474e+01	1.1410e+01
	204	-1.9995e+00	-4.5018e-15	-2.0592e+00	-1.3314e+03	2.2094e+02	-2.5550e+02
323	198	-9.7841e-01	-1.6608e+00	-5.4584e-01	-1.6388e+03	8.7535e+00	1.4703e+01
	201	-9.7841e-01	9.9610e-15	5.2575e+00	-1.0434e+03	1.0922e+03	-8.2795e+02
	475	2.8199e+01	1.3933e-14	9.8815e+00	-3.8395e+03	-1.0646e+03	-9.0462e+02
	199	2.8199e+01	-1.6608e+00	4.5579e+00	-3.1825e+01	2.4587e+02	-6.3223e+01
324	197	-2.6952e+00	-5.1909e-02	5.4759e+00	-1.6358e+03	2.5099e+02	8.2805e+01
	200	-2.6952e+00	5.0361e-15	7.7034e-01	-6.7232e+02	5.5520e+01	7.7172e+01
	201	-9.7841e-01	5.0361e-15	-3.0340e+00	-6.6971e+02	5.0431e+01	-5.4486e+01
	198	-9.7841e-01	-5.1909e-02	3.0212e+00	-1.6459e+03	2.4242e+02	-4.9223e+01
325	196	-3.8265e+01	-3.6316e-01	2.1057e+00	-2.1941e+01	2.4748e+02	8.9762e+01
	474	-3.8265e+01	-5.5158e-15	1.3521e+01	-3.7740e+03	-1.0423e+03	9.1565e+02
	200	-2.6952e+00	-5.5158e-15	1.2704e+01	-1.0364e+03	1.0702e+03	8.3934e+02
	197	-2.6952e+00	-3.6316e-01	1.2084e+00	-1.6262e+03	6.3785e+00	1.3841e+01
326	191	3.2938e+00	-2.9281e-01	5.6910e+00	-2.9457e+02	8.3312e+01	7.3891e+01
	198	3.2938e+00	-1.6608e+00	3.4465e+00	-6.8699e+02	2.2977e+01	2.0849e+01
	199	1.0896e+01	-1.6608e+00	-1.0178e+00	-1.2158e+03	1.9977e+02	8.5903e+01
	193	1.0896e+01	-2.9281e-01	1.2620e+00	1.7583e+02	-5.8477e+01	1.4032e+02
327	189	-8.1460e+00	-1.3749e+00	6.7786e+00	-3.7809e+02	3.2921e+01	-6.5083e+01
	197	-8.1460e+00	-5.1909e-02	7.2245e+00	-5.9360e+02	2.3861e+02	-5.9887e+01
	198	3.2938e+00	-5.1909e-02	6.8278e+00	-5.7847e+02	2.5023e+02	9.6837e+01
	191	3.2938e+00	-1.3749e+00	6.3821e+00	-3.8571e+02	1.7377e+01	9.1203e+01
328	188	-1.4727e+01	-8.3523e-01	1.7244e+00	1.0125e+02	-3.4450e+01	-1.3548e+02
	196	-1.4727e+01	-3.6316e-01	-1.9370e+00	-1.1919e+03	1.9898e+02	-5.4254e+01
	197	-8.1460e+00	-3.6316e-01	2.9229e+00	-6.9912e+02	2.3496e+01	1.4721e+01
	189	-8.1460e+00	-8.3523e-01	6.5735e+00	-2.9963e+02	5.7671e+01	-6.8459e+01
329	192	-7.1951e-01	4.5248e-15	4.8688e+00	4.5535e+02	-5.7472e+02	-4.2800e+02
	191	-7.1951e-01	-2.9281e-01	4.7917e+00	3.9806e+02	5.6741e+01	3.7352e+01

	193	-7.5560e+00	-2.9281e-01	5.1862e+00	-4.5743e+02	-9.8574e+01	2.1695e+01
	8	-7.5560e+00	5.4562e-15	5.4157e+00	1.9353e+03	5.8216e+02	-4.4476e+02
330	190	-2.0098e+00	2.2181e-29	3.7239e+00	2.4343e+02	-2.7593e+01	-3.2739e+01
	189	-2.0098e+00	-1.3749e+00	5.3602e+00	3.5035e+02	-4.8425e+01	7.5477e+00
	191	-7.1951e-01	-1.3749e+00	5.4837e+00	3.9574e+02	-2.3538e+01	-1.1611e+01
	192	-7.1951e-01	-1.7443e-29	3.8511e+00	2.4447e+02	1.4647e+01	-4.9169e+01
331	7	-7.2632e+00	-5.8955e-29	-2.3363e+00	1.5827e+03	4.5445e+02	3.1097e+02
	188	-7.2632e+00	-8.3523e-01	2.7341e+00	-3.8325e+02	-7.7317e+01	-4.0652e+01
	189	-2.0098e+00	-8.3523e-01	5.1546e+00	3.2816e+02	3.6616e+01	-5.5821e+01
	190	-2.0098e+00	-3.1434e-29	-1.2457e+00	4.0263e+02	-4.4940e+02	2.9536e+02
766	166	-4.5022e+00	1.2568e-13	1.8214e+00	4.4653e+02	-1.0444e+02	-2.3052e+02
	169	-4.5022e+00	7.0153e-14	1.1281e+00	-9.7309e+02	1.3947e+02	-1.9368e+02
	170	3.7721e+00	6.3344e-14	-2.6283e+00	-1.1778e+03	-1.3885e+02	-1.9270e+02
	167	3.7721e+00	1.4215e-13	-1.8890e+00	7.3170e+02	1.0323e+02	-2.2962e+02
767	164	-6.0910e+00	5.2824e-14	2.9668e+00	6.7385e+02	-1.1010e+02	-2.5091e+02
	166	-6.0910e+00	1.1864e-13	2.1479e+00	-1.0090e+03	1.0890e+02	-2.4028e+02
	167	4.9973e+00	2.0038e-13	-1.0023e+00	-1.1367e+03	-1.0832e+02	-2.3901e+02
	165	4.9973e+00	2.1150e-14	-3.3109e-01	8.8113e+02	1.0921e+02	-2.4962e+02
768	3	-8.0363e+00	-3.5797e-14	3.2798e+00	1.0024e+03	-1.0325e+02	-2.3038e+02
	164	-8.0363e+00	4.5267e-14	3.3197e+00	-9.8019e+02	9.9834e+01	-2.4750e+02
	165	-1.0533e+01	1.6078e-14	-1.1045e+00	-1.1207e+03	-9.8709e+01	-2.4595e+02
	2	-1.0533e+01	-3.7972e-14	1.1065e+00	1.1544e+03	1.0273e+02	-2.2884e+02
769	128	3.7531e+00	7.8143e-14	1.1136e+00	-4.6670e+02	3.0082e+02	8.0461e+01
	162	3.7531e+00	3.3096e-15	7.8875e-01	1.3368e+03	-3.4609e+02	6.2424e+01
	163	-4.2930e+00	-1.4989e-14	1.7237e+00	2.8948e+03	3.4198e+02	6.1992e+01
	129	-4.2930e+00	7.0728e-14	1.1650e+00	-1.9141e+03	-2.9669e+02	8.1225e+01
770	124	4.9842e+00	-5.2274e-14	-2.4270e+00	-6.9979e+02	3.4358e+02	8.1512e+01
	128	4.9842e+00	8.0706e-14	1.4682e+00	1.1090e+03	-3.2201e+02	8.3420e+01
	129	-6.2136e+00	7.5456e-14	5.5734e-01	2.6591e+03	3.1780e+02	8.4502e+01
	125	-6.2136e+00	-3.7383e-14	-8.4405e-01	-2.2703e+03	-3.3936e+02	8.2053e+01
771	4	-1.0708e+01	-1.0110e-14	-2.9742e+00	-1.4701e+03	3.1594e+02	7.5596e+01
	124	-1.0708e+01	1.2588e-15	-3.1990e+00	1.1422e+03	-3.3853e+02	7.3830e+01
	125	-8.2566e+00	-3.0720e-15	-1.6594e+00	2.6954e+03	3.3325e+02	7.4390e+01
	54	-8.2566e+00	-1.0348e-14	-1.4818e+00	-3.0221e+03	-3.1067e+02	7.6927e+01
772	119	-5.1149e-01	-1.1295e-14	-4.0425e-01	-1.0009e+03	7.6120e+01	1.9116e+02
	122	-5.1149e-01	1.9702e-14	-2.6729e-01	1.8495e+03	-1.2068e+02	1.3093e+02
	123	-9.3961e-01	2.0291e-14	-1.7738e-01	1.9219e+03	-8.9406e+01	-2.8821e+02
	121	-9.3961e-01	-9.9084e-15	-2.6533e-01	-9.4722e+02	1.0871e+02	-3.4700e+02
773	117	-9.1956e-01	2.4812e-15	-5.7590e-01	-1.2020e+03	7.2902e+01	-2.0021e+02
	119	-9.1956e-01	-7.1117e-15	-4.9816e-01	1.4240e+03	-8.6965e+01	-1.9222e+02
	121	-1.3752e+00	-5.0946e-15	-4.6057e-01	1.3821e+03	-8.2444e+01	-3.4312e+02
	118	-1.3752e+00	3.4758e-15	5.3522e-01	-1.1003e+03	9.7557e+01	-3.5769e+02
774	72	-2.1596e+00	-1.0893e-15	-5.8855e-01	-1.5973e+03	1.0702e+02	-1.5446e+02
	117	-2.1596e+00	2.1222e-15	6.0642e-01	1.5672e+03	-8.7456e+01	1.8190e+02
	118	-1.3041e+00	2.9929e-15	5.4543e-01	1.4713e+03	-1.1453e+02	-3.7513e+02
	73	-1.3041e+00	-1.2187e-15	-5.2638e-01	-1.5442e+03	1.0139e+02	-3.4932e+02
775	113	2.2187e+00	-1.1970e-14	-1.5868e+00	1.1322e+03	2.5766e+02	1.1768e+02
	115	2.2187e+00	-1.3091e+00	-1.7510e+00	-1.2652e+03	3.6657e+02	1.7917e+02
	116	1.5645e+00	-1.3091e+00	-1.0396e+00	-7.5214e+01	-2.7024e+02	1.8434e+02
	114	1.5645e+00	-1.1254e-14	1.1909e+00	-3.2845e+01	-2.3151e+02	1.1755e+02
776	111	1.8284e+00	8.7982e-15	-2.3613e+00	1.4115e+03	2.9164e+02	1.3095e+02
	113	1.8284e+00	-6.7313e-15	-9.5247e-01	-1.4516e+03	-2.8944e+02	1.2985e+02
	114	3.2153e+00	3.5002e-15	-2.2125e+00	-2.2121e+02	2.6432e+02	1.1369e+02
	112	3.2153e+00	9.2810e-15	-3.6573e+00	1.9494e+02	-2.6663e+02	1.1485e+02
777	70	-7.2514e+00	2.9714e-15	-3.4438e+00	1.6331e+03	2.6808e+02	1.1575e+02
	111	-7.2514e+00	8.0975e-15	-3.4423e+00	-1.5889e+03	-2.9585e+02	1.3453e+02
	112	5.0140e+00	1.1750e-14	-5.4238e+00	-3.9560e+02	2.6440e+02	1.1414e+02

	71	5.0140e+00	5.0480e-15	-5.4598e+00	4.6212e+02	-2.3659e+02	9.5413e+01
778	107	2.7951e+00	-3.2287e-13	1.2875e+00	5.5468e+01	7.5228e+01	5.4267e+01
	109	2.7951e+00	1.8633e-01	6.2545e-01	-4.3356e+01	-2.2263e+02	-8.0702e+01
	110	-3.0074e+00	1.8633e-01	-6.7787e-01	4.6987e+01	2.2555e+02	-8.0371e+01
	108	-3.0074e+00	-3.5484e-14	1.2117e+00	-5.9770e+01	-7.4578e+01	5.4749e+01
779	105	5.8183e+00	1.0459e-13	-5.6159e+00	1.5512e+02	1.6242e+02	5.6693e+01
	107	5.8183e+00	-9.2203e-15	3.2604e+00	-1.1779e+02	-6.9296e+01	-6.4742e+01
	108	-6.3279e+00	-4.0915e-14	3.1460e+00	1.2113e+02	6.8007e+01	-6.5805e+01
	106	-6.3279e+00	1.5516e-13	-5.3849e+00	-1.2750e+02	-1.6086e+02	5.7257e+01
780	68	5.4024e+00	-3.9984e-14	-8.8305e+00	1.8313e+02	1.8733e+02	5.0947e+01
	105	5.4024e+00	1.4415e-13	-8.5451e+00	-1.9973e+02	-1.5321e+02	5.5002e+01
	106	-6.3346e+00	1.2699e-13	-8.2695e+00	1.7859e+02	1.5364e+02	5.5301e+01
	69	-6.3346e+00	-6.4410e-14	-8.5384e+00	-2.1056e+02	-1.8765e+02	5.1239e+01
781	101	-1.8895e+00	9.2857e-15	1.0450e+00	2.9256e+01	2.0029e+02	9.1712e+01
	103	-1.8895e+00	-1.0164e+00	6.8019e-01	6.8822e+01	2.7061e+02	1.5344e+02
	104	-1.5562e+00	-1.0164e+00	-2.1049e+00	1.0937e+03	-3.7011e+02	1.4415e+02
	102	-1.5562e+00	9.2857e-15	-2.3635e+00	-9.7551e+02	-2.2415e+02	8.8348e+01
782	99	-4.5151e+00	5.8453e-16	-2.7150e+00	-1.8413e+02	2.4172e+02	9.1903e+01
	101	-4.5151e+00	9.2857e-15	-2.1241e+00	2.1611e+02	-2.3181e+02	8.4959e+01
	102	1.7084e+00	9.2857e-15	-1.5672e+00	1.2974e+03	2.5411e+02	9.9641e+01
	100	1.7084e+00	5.8453e-16	-2.1930e+00	-1.2537e+03	-2.6392e+02	1.0646e+02
783	66	6.9111e+00	-2.2693e-15	-4.1782e+00	-4.5204e+02	2.0670e+02	7.0545e+01
	99	6.9111e+00	5.8453e-16	-3.6798e+00	3.7535e+02	-2.3888e+02	9.1169e+01
	100	4.6922e+00	5.8453e-16	-2.4830e+00	1.4307e+03	2.6738e+02	1.1013e+02
	67	4.6922e+00	-2.2693e-15	-2.8877e+00	-1.4797e+03	-2.3525e+02	8.9340e+01
784	95	1.2476e+01	1.4855e-13	9.0857e-01	5.5100e+01	4.8741e+01	-2.6129e+02
	97	1.2476e+01	-3.9337e-17	4.0156e+00	-8.7655e+01	7.6407e+01	-2.9916e+02
	98	-7.6432e+00	-3.9337e-17	6.9950e+00	-3.5417e+02	-5.8530e+01	-2.8725e+02
	96	-7.6432e+00	1.4855e-13	3.8008e+00	2.8168e+02	-4.2852e+01	-2.5025e+02
785	93	1.7654e+01	1.8050e-14	-3.6653e+00	1.4267e+02	1.3853e+02	2.2311e+02
	95	1.7654e+01	1.4855e-13	-1.9260e+00	-8.4442e+01	-4.7771e+01	-2.7562e+02
	96	-1.1871e+01	1.4855e-13	-3.7674e+00	3.9864e+02	-3.3305e+01	-2.8081e+02
	94	-1.1871e+01	1.8050e-14	-5.4060e+00	-4.9041e+02	-1.2043e+02	2.2398e+02
786	63	1.2719e+01	-9.0072e-15	-5.7598e+00	-5.2100e+01	2.1572e+02	1.5548e+02
	93	1.2719e+01	1.8050e-14	-3.6614e+00	-1.2617e+02	-1.3989e+02	2.1866e+02
	94	-6.1457e+00	1.8050e-14	-6.6876e+00	8.7292e+02	8.8024e+01	-2.3967e+02
	62	-6.1457e+00	-9.0072e-15	-8.8972e+00	-1.1440e+03	-1.6205e+02	1.6668e+02
787	88	-5.3024e+00	2.4825e-14	1.4480e+00	-6.2953e+02	3.3081e+01	-2.1558e+02
	90	-5.3024e+00	1.9045e-14	1.9852e+00	1.0382e+03	-1.2623e+02	1.2019e+02
	92	1.9186e+00	-2.2020e-14	6.3086e-01	1.3748e+03	-5.7142e+01	-2.1697e+02
	89	1.9186e+00	1.9863e-14	-6.7207e-01	-6.3934e+02	8.8660e+01	-3.2680e+02
788	86	-5.9425e+00	6.8370e-15	-2.0688e+00	-1.1631e+03	-4.0318e+01	-2.3408e+02
	88	-5.9425e+00	7.4468e-15	-1.6291e+00	1.3738e+03	-7.6246e+01	-1.9671e+02
	89	3.1428e+00	9.1347e-15	1.2154e+00	1.1240e+03	-7.5742e+01	-3.3301e+02
	87	3.1428e+00	9.9241e-15	1.7360e+00	-7.7385e+02	1.2208e+02	-3.8214e+02
789	65	7.5509e+00	-5.5804e-15	-3.2118e+00	-1.9436e+03	-5.2545e+01	-2.0815e+02
	86	7.5509e+00	7.4955e-15	-3.0010e+00	1.7482e+03	-6.1839e+01	-1.9698e+02
	87	6.5272e+00	7.8457e-15	3.4111e+00	1.0828e+03	-1.3759e+02	-3.9821e+02
	64	6.5272e+00	8.8318e-15	2.4802e+00	-1.2218e+03	1.6090e+02	-4.1777e+02
790	82	-5.6323e+00	-1.0192e-13	-2.5638e+00	-8.9938e+02	-1.5245e+02	-2.4425e+02
	84	-5.6323e+00	3.1853e-15	-4.4500e+00	1.3230e+03	1.9258e+02	-2.0222e+02
	85	6.5609e+00	3.1853e-15	1.7732e+00	7.9938e+02	-1.9382e+02	-2.0318e+02
	83	6.5609e+00	-1.0192e-13	3.4805e+00	-3.0541e+02	1.5409e+02	-2.4507e+02
791	80	-6.9836e+00	-7.2067e-14	-1.1457e+00	-1.0279e+03	-1.5368e+02	-2.7135e+02
	82	-6.9836e+00	-1.0192e-13	-1.0113e+00	1.2330e+03	1.5446e+02	-2.5243e+02
	83	8.0975e+00	-1.0192e-13	4.1881e+00	8.5560e+02	-1.5566e+02	-2.5368e+02
	81	8.0975e+00	-7.2067e-14	4.0554e+00	-5.2926e+02	1.5519e+02	-2.7259e+02

792	59	1.3860e+01	-1.8093e-14	2.0929e+00	-1.1098e+03	-1.3428e+02	-2.5278e+02
	80	1.3860e+01	-7.2067e-14	-6.4873e-01	1.1592e+03	1.4584e+02	-2.6769e+02
	81	1.0682e+01	-7.2067e-14	3.7978e+00	7.3484e+02	-1.4746e+02	-2.6897e+02
	57	1.0682e+01	-1.8093e-14	6.1674e+00	-6.5473e+02	1.3567e+02	-2.5405e+02
793	76	-6.1025e+00	2.7581e-13	2.8400e+00	3.0400e+02	4.4637e+02	1.0588e+02
	78	-6.1025e+00	1.4420e-13	-1.2756e+00	9.9195e+02	-5.2312e+02	1.4019e+02
	79	6.3365e+00	1.6300e-13	-3.5734e+00	3.3584e+03	5.1888e+02	1.3741e+02
	77	6.3365e+00	2.5582e-13	-1.4417e+00	-2.3076e+03	-4.4214e+02	1.0375e+02
794	74	-6.9153e+00	9.7258e-14	3.0945e+00	-5.4650e+02	4.8362e+02	1.0966e+02
	76	-6.9153e+00	1.6124e-13	3.6142e+00	8.4000e+02	-4.7108e+02	9.7540e+01
	77	7.6434e+00	1.7412e-13	6.0918e-01	3.0792e+03	4.6652e+02	9.5208e+01
	75	7.6434e+00	7.6401e-14	-6.6333e-01	-2.8142e+03	-4.7904e+02	1.0728e+02
795	55	-1.2359e+01	-2.0397e-14	5.0212e+00	-6.9450e+02	3.9447e+02	7.4821e+01
	74	-1.2359e+01	8.4461e-16	1.9981e+00	7.4624e+02	-4.8418e+02	1.1074e+02
	75	1.1316e+01	4.4781e-15	9.0671e-01	2.8698e+03	4.7973e+02	1.0824e+02
	56	1.1316e+01	-2.2152e-14	3.8804e+00	-2.7443e+03	-3.9001e+02	7.3765e+01
796	503	-6.0620e+00	-1.5543e-15	-2.5337e+00	-2.3727e+03	1.1434e+02	5.1312e+01
	72	-6.0620e+00	-6.6690e-16	-1.7973e+00	9.6436e+02	-6.3800e+01	1.1823e+02
	73	-1.9583e+00	-1.1979e-15	4.5077e-01	6.6862e+02	-1.4428e+02	-3.1201e+02
	504	-1.9583e+00	6.1431e-16	-8.2225e-01	-2.1931e+03	1.0555e+02	-2.4662e+02
797	496	-9.9390e+00	8.1648e-16	-1.5133e+00	1.2953e+03	2.0534e+02	9.4659e+01
	70	-9.9390e+00	4.1449e-15	-3.9763e+00	-1.0882e+03	-2.6483e+02	1.3339e+02
	71	-1.6998e+01	-5.0771e-15	-1.6855e+00	-1.7861e+02	2.2615e+02	1.0863e+02
	497	-1.6998e+01	1.1185e-15	-1.8002e+00	4.1514e+02	-1.6639e+02	6.9857e+01
798	498	-2.0096e+01	6.0162e-15	-8.0021e+00	1.1067e+02	6.5989e+01	2.3212e+01
	68	-2.0096e+01	1.4440e-13	-7.3791e+00	-1.5975e+02	-1.7238e+02	5.3837e+01
	69	2.2351e+01	1.4656e-13	-7.3593e+00	1.1757e+02	1.7012e+02	5.3115e+01
	499	2.2351e+01	1.4526e-14	-7.9818e+00	-1.1952e+02	-6.3723e+01	2.3791e+01
799	495	1.9722e+01	5.7168e-16	-1.4708e+00	-4.0221e+02	1.2596e+02	4.1788e+01
	66	1.9722e+01	-2.2693e-15	-1.8507e+00	1.7239e+02	-1.9619e+02	8.6226e+01
	67	7.2334e+00	-2.2693e-15	-4.7057e+00	9.2871e+02	2.3009e+02	1.0809e+02
	494	7.2334e+00	5.7168e-16	-3.1934e+00	-1.1174e+03	-1.6014e+02	6.3374e+01
800	493	9.4016e+00	-1.3624e-15	2.2248e+00	1.8140e+03	-5.0666e+01	-1.9417e+02
	64	9.4016e+00	-3.3225e-15	2.8498e+00	-4.0428e+02	2.0647e+02	-3.8130e+02
	65	2.3414e+01	-1.9041e-15	-1.4104e+00	-1.0831e+03	-3.1306e+01	-1.8494e+02
	492	2.3414e+01	2.2030e-15	-2.0885e+00	2.0683e+03	-1.3740e+02	6.8262e+01
801	500	3.3284e+01	1.9903e-16	8.4718e+00	3.5580e+02	5.0285e+01	-1.3466e+02
	62	3.3284e+01	-9.0773e-15	6.6756e+00	-5.7371e+02	-1.4733e+02	1.2801e+02
	63	-5.7158e+01	-9.0773e-15	1.5642e+01	1.0771e+02	1.6112e+02	1.2674e+02
	501	-5.7158e+01	1.9903e-16	1.7390e+01	-2.0064e+02	-5.9977e+01	-1.2516e+02
802	489	-3.8974e+01	-2.9014e-16	-4.5760e+00	2.3848e+03	8.3802e+01	-1.0461e+02
	57	-3.8974e+01	-1.8093e-14	-7.0309e+00	-5.3342e+02	1.3541e+02	-2.0565e+02
	59	4.4065e+01	-1.8093e-14	-4.7199e+00	-8.3345e+02	-1.6097e+02	-2.2453e+02
	488	4.4065e+01	-2.9014e-16	-2.2944e+00	2.5400e+03	7.2924e+01	-1.2159e+02
803	482	4.3542e+01	-1.1707e-15	1.5397e+00	-4.9585e+03	-3.8329e+02	-4.1317e+02
	55	4.3542e+01	-1.8164e-14	4.8092e+00	1.0579e+03	-3.6979e+02	1.1203e+02
	56	-4.2544e+01	-2.0780e-14	9.2751e+00	1.4803e+03	4.2631e+02	1.4885e+02
	483	-4.2544e+01	1.3095e-15	5.8900e+00	-4.7111e+03	3.2657e+02	-3.7546e+02
804	474	-2.6027e+01	-3.1459e-15	-3.1305e+00	-2.3923e+03	8.6896e+01	-9.9030e+01
	4	-2.6027e+01	2.0238e-14	-2.4673e+00	3.8990e+02	-2.4744e+02	5.2377e+01
	54	2.1814e+01	2.1936e-14	-9.8525e-01	1.1621e+03	2.7935e+02	6.5929e+01
	475	2.1814e+01	-2.7091e-15	-1.6065e+00	-3.1314e+03	-1.1623e+02	-8.0016e+01
805	479	-2.6776e+01	-5.1790e-15	-2.3724e+00	-2.0091e+03	-6.4460e+01	-1.3185e+02
	2	-2.6776e+01	-4.4214e-14	-1.6818e+00	6.8359e+02	1.0064e+02	-1.9293e+02
	3	2.2387e+01	-3.1655e-14	-2.0301e+00	5.2335e+02	-8.1075e+01	-1.7810e+02
	478	2.2387e+01	-4.2606e-15	-2.7046e+00	-1.9101e+03	6.9794e+01	-1.1770e+02
1	12	0.0000e+00	0.0000e+00	0.0000e+00	-3.2751e+03	-1.7808e+03	-2.3875e+02

	17	0.0000e+00	0.0000e+00	0.0000e+00	-3.5233e+03	-1.7745e+03	4.6747e+02
	36	0.0000e+00	0.0000e+00	0.0000e+00	-2.5453e+03	8.3549e+01	-3.3991e+02
2	36	0.0000e+00	0.0000e+00	0.0000e+00	-3.2660e+02	1.5698e+03	7.9733e+02
	12	0.0000e+00	0.0000e+00	0.0000e+00	1.5603e+03	2.4274e+03	7.9313e+01
	466	0.0000e+00	0.0000e+00	0.0000e+00	6.2617e+02	4.0091e+02	9.1350e+02
3	17	0.0000e+00	0.0000e+00	0.0000e+00	-3.4573e+03	-1.4656e+03	-2.9479e+02
	12	0.0000e+00	0.0000e+00	0.0000e+00	-3.0630e+03	-1.5180e+03	5.2055e+02
	19	0.0000e+00	0.0000e+00	0.0000e+00	-2.4643e+03	2.1552e+02	-5.5241e+02
4	12	0.0000e+00	0.0000e+00	0.0000e+00	-2.3277e+03	-1.2943e+03	-1.9832e+02
	466	0.0000e+00	0.0000e+00	0.0000e+00	-2.0793e+02	-1.2486e+03	-1.2130e+02
	516	0.0000e+00	0.0000e+00	0.0000e+00	-6.9217e+02	2.4096e+01	-1.3875e+02
5	19	0.0000e+00	0.0000e+00	0.0000e+00	-2.5487e+02	-2.4062e+03	-1.8535e+03
	12	0.0000e+00	0.0000e+00	0.0000e+00	-2.4958e+03	-2.4081e+03	-1.0137e+03
	516	0.0000e+00	0.0000e+00	0.0000e+00	-9.4095e+02	-8.6039e+02	-1.3188e+03
6	346	0.0000e+00	0.0000e+00	0.0000e+00	-1.2531e+03	-1.0790e+03	-7.8638e+02
	335	0.0000e+00	0.0000e+00	0.0000e+00	2.0529e+02	-7.0518e+02	-7.5904e+02
	16	0.0000e+00	0.0000e+00	0.0000e+00	4.9788e+02	1.6763e+02	-3.9983e+02
7	16	0.0000e+00	0.0000e+00	0.0000e+00	-1.9150e+02	-2.1711e+03	-1.7181e+02
	346	0.0000e+00	0.0000e+00	0.0000e+00	1.9022e+03	-3.9537e+02	-2.9320e+02
	19	0.0000e+00	0.0000e+00	0.0000e+00	9.6449e+02	-1.4909e+03	5.7891e+02
8	16	0.0000e+00	0.0000e+00	0.0000e+00	3.3522e+02	1.6536e+03	6.0347e+01
	335	0.0000e+00	0.0000e+00	0.0000e+00	-1.0426e+03	7.2302e+02	3.6767e+02
	463	0.0000e+00	0.0000e+00	0.0000e+00	8.3164e+02	7.5359e+02	-8.7472e+02
9	16	0.0000e+00	0.0000e+00	0.0000e+00	-1.4104e+03	2.0349e+02	-8.2832e+02
	19	0.0000e+00	0.0000e+00	0.0000e+00	4.7917e+02	6.4120e+02	-1.3103e+03
	15	0.0000e+00	0.0000e+00	0.0000e+00	-1.8566e+03	-2.0908e+03	-3.1488e+02
10	19	0.0000e+00	0.0000e+00	0.0000e+00	-2.1660e+03	8.6830e+02	1.7693e+03
	15	0.0000e+00	0.0000e+00	0.0000e+00	1.5257e+03	2.2388e+02	2.9304e+02
	17	0.0000e+00	0.0000e+00	0.0000e+00	-8.2061e+02	-1.8345e+03	5.3544e+02
11	15	0.0000e+00	0.0000e+00	0.0000e+00	-4.3830e+02	-6.3313e+02	1.1586e+03
	17	0.0000e+00	0.0000e+00	0.0000e+00	1.4693e+03	3.7142e+02	1.4097e+03
	35	0.0000e+00	0.0000e+00	0.0000e+00	-8.2977e+01	5.2508e+02	2.0738e+03
12	15	0.0000e+00	0.0000e+00	0.0000e+00	-9.6974e+02	-3.1737e+03	-9.5420e+02
	35	0.0000e+00	0.0000e+00	0.0000e+00	3.1082e+02	-2.1678e+03	-1.5724e+03
	10	0.0000e+00	0.0000e+00	0.0000e+00	-1.4484e+03	-3.3029e+03	-2.3125e+02
13	10	0.0000e+00	0.0000e+00	0.0000e+00	3.1544e+03	3.5099e+03	1.0724e+03
	15	0.0000e+00	0.0000e+00	0.0000e+00	2.7943e+03	2.7082e+03	-1.1910e+02
	16	0.0000e+00	0.0000e+00	0.0000e+00	1.1176e+03	6.7563e+02	-1.4019e+03
14	10	0.0000e+00	0.0000e+00	0.0000e+00	4.2986e+03	3.5610e+03	-4.7669e+02
	16	0.0000e+00	0.0000e+00	0.0000e+00	-5.5024e+02	2.4858e+03	-8.3421e+02
	463	0.0000e+00	0.0000e+00	0.0000e+00	2.2987e+02	1.3693e+03	-1.2278e+03
24	584	0.0000e+00	0.0000e+00	0.0000e+00	2.4036e+02	-9.3841e+01	4.0105e+02
	511	0.0000e+00	0.0000e+00	0.0000e+00	1.0865e+03	3.4232e+02	5.7176e+02
	32	0.0000e+00	0.0000e+00	0.0000e+00	9.8182e+02	5.9337e+02	8.7093e+02
25	412	0.0000e+00	0.0000e+00	0.0000e+00	3.0474e+02	5.2533e+02	1.6714e+02
	584	0.0000e+00	0.0000e+00	0.0000e+00	-5.9706e+02	2.0937e+02	1.0180e+02
	511	0.0000e+00	0.0000e+00	0.0000e+00	-1.2422e+03	-2.0522e+02	-1.9063e+02
26	52	0.0000e+00	0.0000e+00	0.0000e+00	-7.2438e+02	-7.6588e+02	3.1455e+02
	584	0.0000e+00	0.0000e+00	0.0000e+00	4.1132e+02	-2.1937e+02	2.7531e+02
	32	0.0000e+00	0.0000e+00	0.0000e+00	1.2680e+03	4.6406e+02	5.6024e+02
27	412	0.0000e+00	0.0000e+00	0.0000e+00	7.4519e+02	4.4442e+02	-2.4740e+02
	52	0.0000e+00	0.0000e+00	0.0000e+00	-1.8329e+02	5.4853e+02	-4.6016e+02
	584	0.0000e+00	0.0000e+00	0.0000e+00	-1.0808e+02	-5.2426e+02	-1.3419e+02
124	52	0.0000e+00	0.0000e+00	0.0000e+00	-4.6845e+02	-1.1840e+03	4.0493e+02
	464	0.0000e+00	0.0000e+00	0.0000e+00	1.0217e+03	5.7239e+02	4.9932e+01

	421	0.0000e+00	0.0000e+00	0.0000e+00	4.5903e+02	-2.1675e+02	3.3680e+02
	536	0.0000e+00	0.0000e+00	0.0000e+00	-3.3992e+02	3.3440e+02	7.0661e+02
129	5	0.0000e+00	0.0000e+00	0.0000e+00	1.7104e+03	-5.5274e+02	-4.2045e+02
	586	0.0000e+00	0.0000e+00	0.0000e+00	-1.1530e+03	-7.3015e+02	-2.4107e+03
	535	0.0000e+00	0.0000e+00	0.0000e+00	2.6505e+02	-7.8378e+02	-2.8598e+02
130	535	0.0000e+00	0.0000e+00	0.0000e+00	-3.8903e+02	-4.2710e+02	6.3608e+02
	586	0.0000e+00	0.0000e+00	0.0000e+00	1.1165e+03	-2.4340e+02	2.6944e+02
	28	0.0000e+00	0.0000e+00	0.0000e+00	-1.2019e+03	-6.5114e+02	1.0515e+03
131	28	0.0000e+00	0.0000e+00	0.0000e+00	-1.4809e+03	-2.0163e+03	-8.0030e+01
	27	0.0000e+00	0.0000e+00	0.0000e+00	-6.7168e+02	-8.5834e+02	3.5995e+02
	534	0.0000e+00	0.0000e+00	0.0000e+00	-8.8212e+02	-8.4182e+02	1.1858e+03
	535	0.0000e+00	0.0000e+00	0.0000e+00	-2.9421e+02	-1.0852e+03	7.2863e+02
132	204	0.0000e+00	0.0000e+00	0.0000e+00	1.8128e+03	9.4082e+02	1.7508e+03
	5	0.0000e+00	0.0000e+00	0.0000e+00	2.5075e+03	-2.5547e+02	1.0655e+03
	535	0.0000e+00	0.0000e+00	0.0000e+00	9.7367e+02	-9.2976e+02	5.9199e+02
	534	0.0000e+00	0.0000e+00	0.0000e+00	-1.0922e+03	-1.1163e+03	1.3433e+03
133	462	0.0000e+00	0.0000e+00	0.0000e+00	-1.6327e+02	2.9506e+02	2.6691e+02
	414	0.0000e+00	0.0000e+00	0.0000e+00	-2.7875e+01	4.2429e+02	3.1605e+02
	6	0.0000e+00	0.0000e+00	0.0000e+00	3.0155e+02	-3.8931e+03	-9.3665e+02
	533	0.0000e+00	0.0000e+00	0.0000e+00	1.2326e+02	3.0240e+02	-1.3607e+03
134	534	0.0000e+00	0.0000e+00	0.0000e+00	-1.7106e+03	-2.5185e+02	-6.8355e+02
	27	0.0000e+00	0.0000e+00	0.0000e+00	-7.6209e+02	-7.8945e+02	-5.1727e+01
	462	0.0000e+00	0.0000e+00	0.0000e+00	-3.2717e+02	2.5895e+02	7.8182e+01
	533	0.0000e+00	0.0000e+00	0.0000e+00	-9.6223e+02	-2.7206e+02	-8.9622e+02
135	204	0.0000e+00	0.0000e+00	0.0000e+00	-1.7495e+02	1.5940e+03	-1.3914e+03
	534	0.0000e+00	0.0000e+00	0.0000e+00	-1.7110e+03	-4.5784e+02	-1.0591e+03
	533	0.0000e+00	0.0000e+00	0.0000e+00	-8.4862e+02	-1.0154e+03	-1.3443e+03
	6	0.0000e+00	0.0000e+00	0.0000e+00	-3.5149e+02	-1.5476e+03	-2.0555e+03
136	454	0.0000e+00	0.0000e+00	0.0000e+00	7.7065e+02	2.2291e+02	-1.2328e+03
	515	0.0000e+00	0.0000e+00	0.0000e+00	-1.2390e+02	2.6366e+02	-1.1119e+03
	582	0.0000e+00	0.0000e+00	0.0000e+00	4.8689e+02	5.0074e+02	-1.1615e+03
137	582	0.0000e+00	0.0000e+00	0.0000e+00	1.5423e+03	6.8881e+02	-4.9656e+02
	515	0.0000e+00	0.0000e+00	0.0000e+00	1.2102e+03	-6.9561e+02	-2.4650e+02
	532	0.0000e+00	0.0000e+00	0.0000e+00	1.5592e+03	1.3147e+02	-1.1858e+03
138	515	0.0000e+00	0.0000e+00	0.0000e+00	2.1185e+02	2.1848e+02	-8.2377e+02
	516	0.0000e+00	0.0000e+00	0.0000e+00	6.1045e+01	8.9303e+02	-2.9567e+02
	11	0.0000e+00	0.0000e+00	0.0000e+00	4.4986e+02	2.0261e+03	-2.9460e+02
139	11	0.0000e+00	0.0000e+00	0.0000e+00	-1.5182e+03	-9.8092e+02	8.6603e+02
	515	0.0000e+00	0.0000e+00	0.0000e+00	2.6760e+02	-5.7082e+02	9.3857e+02
	532	0.0000e+00	0.0000e+00	0.0000e+00	-1.3093e+03	-1.2683e+03	1.0436e+03
140	346	0.0000e+00	0.0000e+00	0.0000e+00	1.5287e+03	2.8017e+02	-5.3057e+02
	11	0.0000e+00	0.0000e+00	0.0000e+00	3.5595e+03	3.5698e+02	5.1802e+02
	19	0.0000e+00	0.0000e+00	0.0000e+00	1.9074e+03	-1.9144e+03	-8.3008e+02
141	11	0.0000e+00	0.0000e+00	0.0000e+00	1.4348e+03	2.0714e+03	-1.0509e+03
	516	0.0000e+00	0.0000e+00	0.0000e+00	6.2524e+02	1.3252e+03	-9.8396e+02
	19	0.0000e+00	0.0000e+00	0.0000e+00	1.3595e+03	1.4745e+03	-1.8278e+03
142	514	0.0000e+00	0.0000e+00	0.0000e+00	7.1641e+02	3.8470e+02	-4.7939e+02
	532	0.0000e+00	0.0000e+00	0.0000e+00	2.1465e+03	2.6518e+02	1.0274e+02
	11	0.0000e+00	0.0000e+00	0.0000e+00	3.1574e+03	1.3821e+03	1.5741e+02
	346	0.0000e+00	0.0000e+00	0.0000e+00	7.9065e+02	1.0650e+03	-3.0016e+02
143	463	0.0000e+00	0.0000e+00	0.0000e+00	2.0491e+02	-2.2247e+03	-1.5064e+02
	513	0.0000e+00	0.0000e+00	0.0000e+00	1.0302e+03	-3.7796e+02	2.7839e+02
	530	0.0000e+00	0.0000e+00	0.0000e+00	5.9783e+02	-3.1084e+02	8.5879e+02
	335	0.0000e+00	0.0000e+00	0.0000e+00	9.3006e+02	-5.3931e+02	8.5245e+02
144	514	0.0000e+00	0.0000e+00	0.0000e+00	2.2798e+02	1.0091e+03	5.2986e+02
	346	0.0000e+00	0.0000e+00	0.0000e+00	8.7823e+02	1.5769e+03	5.5629e+02

	335	0.0000e+00	0.0000e+00	0.0000e+00	6.7054e+02	6.0918e+02	9.4088e+02
	530	0.0000e+00	0.0000e+00	0.0000e+00	-1.0213e+02	6.4179e+02	8.0590e+02
145	531	0.0000e+00	0.0000e+00	0.0000e+00	2.7009e+02	1.2145e+02	3.8256e+02
	451	0.0000e+00	0.0000e+00	0.0000e+00	4.1420e+01	4.1071e+02	2.9620e+02
	454	0.0000e+00	0.0000e+00	0.0000e+00	-9.0120e+02	-2.4797e+02	-1.4632e+02
	582	0.0000e+00	0.0000e+00	0.0000e+00	4.5435e+02	6.5950e+02	-2.0389e+02
146	514	0.0000e+00	0.0000e+00	0.0000e+00	5.2321e+02	6.5069e+02	6.3117e+02
	531	0.0000e+00	0.0000e+00	0.0000e+00	-1.8942e+02	4.0792e+02	4.3421e+02
	582	0.0000e+00	0.0000e+00	0.0000e+00	-2.8353e+02	9.3513e+02	-1.1715e+02
	532	0.0000e+00	0.0000e+00	0.0000e+00	1.4164e+02	1.5805e+03	-1.1843e+02
147	450	0.0000e+00	0.0000e+00	0.0000e+00	5.5606e+02	4.6862e+02	-5.9841e+02
	451	0.0000e+00	0.0000e+00	0.0000e+00	-3.7188e+02	2.1308e+02	-3.6385e+02
	531	0.0000e+00	0.0000e+00	0.0000e+00	3.6617e+02	-1.6124e+02	-4.2988e+02
	469	0.0000e+00	0.0000e+00	0.0000e+00	-1.6881e+02	1.4829e+02	-6.3522e+02
148	530	0.0000e+00	0.0000e+00	0.0000e+00	-6.2110e+02	9.2939e+02	-1.8151e+02
	513	0.0000e+00	0.0000e+00	0.0000e+00	-3.7178e+02	3.4126e+02	-1.8008e+02
	450	0.0000e+00	0.0000e+00	0.0000e+00	1.8265e+02	5.7989e+02	-3.3764e+02
	469	0.0000e+00	0.0000e+00	0.0000e+00	-5.1319e+02	1.1106e+03	-4.2154e+02
149	514	0.0000e+00	0.0000e+00	0.0000e+00	3.9280e+02	4.5705e+02	-6.8842e+02
	530	0.0000e+00	0.0000e+00	0.0000e+00	-9.5216e+01	8.9075e+02	-8.3915e+02
	469	0.0000e+00	0.0000e+00	0.0000e+00	-2.6101e+02	5.1833e+02	-6.1617e+02
	531	0.0000e+00	0.0000e+00	0.0000e+00	2.3946e+02	3.4696e+02	-5.2460e+02
150	21	0.0000e+00	0.0000e+00	0.0000e+00	6.2865e+02	1.7746e+02	9.5953e+01
	22	0.0000e+00	0.0000e+00	0.0000e+00	4.8749e+02	3.1480e+02	5.2779e+02
	30	0.0000e+00	0.0000e+00	0.0000e+00	7.9399e+02	5.1666e+02	6.5088e+02
151	171	0.0000e+00	0.0000e+00	0.0000e+00	-9.9746e+02	-7.7057e+02	4.7068e+01
	30	0.0000e+00	0.0000e+00	0.0000e+00	-7.7198e+02	-1.1043e+03	5.1417e+02
	21	0.0000e+00	0.0000e+00	0.0000e+00	-6.7495e+02	-1.1250e+03	-2.3128e+02
152	171	0.0000e+00	0.0000e+00	0.0000e+00	-4.1598e+02	-1.1729e+03	1.3403e+02
	21	0.0000e+00	0.0000e+00	0.0000e+00	-8.7292e+02	-9.4184e+02	4.2558e+02
	413	0.0000e+00	0.0000e+00	0.0000e+00	-1.3337e+02	3.7488e+02	6.2727e+02
153	413	0.0000e+00	0.0000e+00	0.0000e+00	-6.8258e+02	2.1381e+02	-1.3679e+02
	171	0.0000e+00	0.0000e+00	0.0000e+00	1.1188e+03	9.5010e+02	-4.7363e+01
	398	0.0000e+00	0.0000e+00	0.0000e+00	-2.3222e+02	6.7109e+02	4.6112e+02
154	524	0.0000e+00	0.0000e+00	0.0000e+00	-6.5913e+02	1.6520e+02	2.6872e+02
	526	0.0000e+00	0.0000e+00	0.0000e+00	-9.6543e+01	5.5423e+01	1.9884e+02
	525	0.0000e+00	0.0000e+00	0.0000e+00	-1.9418e+02	6.4259e+02	4.1040e+01
155	524	0.0000e+00	0.0000e+00	0.0000e+00	1.9393e+02	-7.4229e+02	1.7693e+02
	525	0.0000e+00	0.0000e+00	0.0000e+00	4.5382e+02	-1.1141e+03	4.5314e+02
	34	0.0000e+00	0.0000e+00	0.0000e+00	3.1515e+02	-1.8393e+03	-2.6052e+01
156	23	0.0000e+00	0.0000e+00	0.0000e+00	1.4263e+02	-2.5120e+02	3.4237e+02
	513	0.0000e+00	0.0000e+00	0.0000e+00	1.1172e+03	-3.1563e+02	2.6646e+02
	450	0.0000e+00	0.0000e+00	0.0000e+00	6.7128e+02	-2.6776e+02	2.1503e+02
157	425	0.0000e+00	0.0000e+00	0.0000e+00	3.9489e+02	9.1167e+02	3.0709e+02
	450	0.0000e+00	0.0000e+00	0.0000e+00	-5.1823e+02	9.2072e+02	1.2782e+02
	23	0.0000e+00	0.0000e+00	0.0000e+00	-9.8627e+01	5.8784e+02	2.5271e+02
158	34	0.0000e+00	0.0000e+00	0.0000e+00	1.8971e+03	1.1311e+02	-2.4317e+02
	524	0.0000e+00	0.0000e+00	0.0000e+00	7.1360e+02	1.8597e+02	1.0089e+02
	33	0.0000e+00	0.0000e+00	0.0000e+00	1.1332e+03	-1.3079e+02	2.7035e+02
159	33	0.0000e+00	0.0000e+00	0.0000e+00	-5.3691e+02	7.8661e+02	-4.5341e+02
	34	0.0000e+00	0.0000e+00	0.0000e+00	-4.4847e+02	-4.7278e+02	-5.0137e+02
	465	0.0000e+00	0.0000e+00	0.0000e+00	-4.9259e+02	6.1139e+02	-9.8267e+02
160	33	0.0000e+00	0.0000e+00	0.0000e+00	-6.4984e+02	-2.3185e+02	1.2159e+02
	465	0.0000e+00	0.0000e+00	0.0000e+00	-1.1835e+03	-3.0996e+02	1.3681e+02
	512	0.0000e+00	0.0000e+00	0.0000e+00	-6.7966e+02	2.5694e+01	7.7188e+01

161	465	0.0000e+00	0.0000e+00	0.0000e+00	1.7563e+03	-2.5886e+02	-3.9418e+02
	34	0.0000e+00	0.0000e+00	0.0000e+00	6.5782e+02	2.5596e+02	3.5527e+02
	10	0.0000e+00	0.0000e+00	0.0000e+00	1.9034e+03	1.5707e+03	9.5630e+02
162	10	0.0000e+00	0.0000e+00	0.0000e+00	1.7319e+03	1.6108e+03	-9.5321e+02
	34	0.0000e+00	0.0000e+00	0.0000e+00	1.0138e+02	1.0872e+02	-1.2918e+03
	35	0.0000e+00	0.0000e+00	0.0000e+00	1.4969e+03	-1.6069e+03	-2.3875e+03
163	35	0.0000e+00	0.0000e+00	0.0000e+00	-1.8571e+03	1.0680e+03	5.7185e+02
	17	0.0000e+00	0.0000e+00	0.0000e+00	-6.4374e+01	2.7714e+03	6.3843e+02
	36	0.0000e+00	0.0000e+00	0.0000e+00	-9.2125e+01	7.0286e+02	2.2785e+03
164	529	0.0000e+00	0.0000e+00	0.0000e+00	3.6951e+02	1.7366e+02	-5.8538e+01
	526	0.0000e+00	0.0000e+00	0.0000e+00	5.5162e+01	2.0574e+02	-9.5895e+01
	42	0.0000e+00	0.0000e+00	0.0000e+00	-2.1815e+02	-3.6779e+02	-1.3333e+02
	127	0.0000e+00	0.0000e+00	0.0000e+00	3.6097e+02	-1.3600e+02	-9.6415e+01
165	33	0.0000e+00	0.0000e+00	0.0000e+00	-6.4178e+01	1.3390e+02	-2.5897e+02
	524	0.0000e+00	0.0000e+00	0.0000e+00	5.3559e+02	7.1184e+02	-3.1475e+02
	526	0.0000e+00	0.0000e+00	0.0000e+00	1.0619e+02	5.5347e+01	-1.7016e+02
	529	0.0000e+00	0.0000e+00	0.0000e+00	3.0424e+02	2.6332e+02	-1.0829e+02
166	528	0.0000e+00	0.0000e+00	0.0000e+00	9.8621e+02	1.3071e+02	-6.0776e+01
	529	0.0000e+00	0.0000e+00	0.0000e+00	3.3274e+02	1.3561e+02	-4.3103e+01
	127	0.0000e+00	0.0000e+00	0.0000e+00	3.5500e+01	-1.6155e+02	-4.4037e+01
	126	0.0000e+00	0.0000e+00	0.0000e+00	1.1464e+03	-1.6730e+02	-6.4077e+01
167	32	0.0000e+00	0.0000e+00	0.0000e+00	7.8963e+02	-1.8677e+02	-5.0276e+01
	33	0.0000e+00	0.0000e+00	0.0000e+00	6.7552e+02	3.7525e+01	-7.5143e+01
	529	0.0000e+00	0.0000e+00	0.0000e+00	4.1841e+02	1.4781e+02	-6.3491e+01
	528	0.0000e+00	0.0000e+00	0.0000e+00	9.5144e+02	3.1344e+02	7.4331e+01
168	511	0.0000e+00	0.0000e+00	0.0000e+00	1.0787e+03	3.6545e+02	1.4846e+02
	512	0.0000e+00	0.0000e+00	0.0000e+00	7.7595e+02	2.9127e+02	-1.4647e+02
	33	0.0000e+00	0.0000e+00	0.0000e+00	6.4514e+02	-4.9987e+01	-1.3764e+02
	32	0.0000e+00	0.0000e+00	0.0000e+00	9.0727e+02	-2.3098e+02	1.2630e+02
169	464	0.0000e+00	0.0000e+00	0.0000e+00	7.0735e+02	9.2613e+02	3.4621e+01
	528	0.0000e+00	0.0000e+00	0.0000e+00	5.6992e+02	2.5057e+02	-1.4327e+02
	126	0.0000e+00	0.0000e+00	0.0000e+00	1.3868e+03	-1.5012e+02	-4.3207e+02
	1	0.0000e+00	0.0000e+00	0.0000e+00	-3.5064e+02	-3.2055e+02	-1.5778e+02
170	52	0.0000e+00	0.0000e+00	0.0000e+00	-2.6323e+02	-5.2035e+02	7.0749e+01
	32	0.0000e+00	0.0000e+00	0.0000e+00	1.4567e+03	-1.7636e+02	-7.4427e+01
	528	0.0000e+00	0.0000e+00	0.0000e+00	3.8134e+02	3.3281e+02	-1.5643e+02
	464	0.0000e+00	0.0000e+00	0.0000e+00	8.6945e+02	1.0656e+03	-2.0089e+02
171	527	0.0000e+00	0.0000e+00	0.0000e+00	-4.5131e+01	-3.3473e+02	8.0889e+01
	521	0.0000e+00	0.0000e+00	0.0000e+00	3.6809e+02	6.3590e+01	3.8863e+01
	45	0.0000e+00	0.0000e+00	0.0000e+00	1.2135e+02	-1.9899e+02	1.2804e+02
	506	0.0000e+00	0.0000e+00	0.0000e+00	-1.9748e+01	6.5514e+01	1.1543e+02
172	35	0.0000e+00	0.0000e+00	0.0000e+00	2.4658e+02	7.3601e+02	1.2979e+03
	36	0.0000e+00	0.0000e+00	0.0000e+00	1.0704e+03	-7.2748e+02	5.9908e+02
	521	0.0000e+00	0.0000e+00	0.0000e+00	2.3490e+02	-2.1025e+02	-4.0687e+01
	527	0.0000e+00	0.0000e+00	0.0000e+00	5.9211e+02	-8.4618e+01	-1.0174e+02
173	525	0.0000e+00	0.0000e+00	0.0000e+00	-5.6234e+01	2.1757e+02	3.5330e+02
	527	0.0000e+00	0.0000e+00	0.0000e+00	6.2220e+01	-3.5599e+02	2.5001e+02
	506	0.0000e+00	0.0000e+00	0.0000e+00	5.8477e+01	1.0740e+02	5.4787e+01
	44	0.0000e+00	0.0000e+00	0.0000e+00	3.8269e+01	2.3019e+02	-5.7899e+01
174	34	0.0000e+00	0.0000e+00	0.0000e+00	-1.1884e+03	2.0177e+02	2.4000e+01
	35	0.0000e+00	0.0000e+00	0.0000e+00	-1.2498e+03	1.7060e+02	1.0177e+03
	527	0.0000e+00	0.0000e+00	0.0000e+00	1.2973e+02	-2.4143e+02	5.7837e+02
	525	0.0000e+00	0.0000e+00	0.0000e+00	-6.1804e+02	6.2939e+02	1.6683e+02
175	526	0.0000e+00	0.0000e+00	0.0000e+00	-6.4975e+01	2.3014e+02	-1.1673e+02
	525	0.0000e+00	0.0000e+00	0.0000e+00	-3.0668e+02	2.0582e+02	6.8688e+01
	44	0.0000e+00	0.0000e+00	0.0000e+00	2.9738e+02	1.6941e+02	4.8140e+01
	42	0.0000e+00	0.0000e+00	0.0000e+00	-3.3646e+02	2.6110e+02	-4.6842e+01

176	522	0.0000e+00	0.0000e+00	0.0000e+00	-2.5289e+02	-2.3658e+02	1.9058e+02
	588	0.0000e+00	0.0000e+00	0.0000e+00	-3.0883e+02	-1.5662e+03	-1.2797e+02
	7	0.0000e+00	0.0000e+00	0.0000e+00	7.2232e+01	4.8146e+02	-6.2170e+02
	47	0.0000e+00	0.0000e+00	0.0000e+00	-9.9637e+02	-1.4149e+02	-4.0967e+02
177	38	0.0000e+00	0.0000e+00	0.0000e+00	-1.5556e+03	4.0037e+02	9.2649e+01
	39	0.0000e+00	0.0000e+00	0.0000e+00	2.8730e+02	1.8214e+03	3.1619e+02
	588	0.0000e+00	0.0000e+00	0.0000e+00	-2.8386e+02	-1.6127e+03	2.7558e+02
	522	0.0000e+00	0.0000e+00	0.0000e+00	-1.8434e+02	-2.0026e+01	-7.4142e+01
178	518	0.0000e+00	0.0000e+00	0.0000e+00	-1.2403e+03	-3.7535e+02	-2.4135e+02
	587	0.0000e+00	0.0000e+00	0.0000e+00	5.5991e+02	-1.0234e+03	-4.1784e+02
	39	0.0000e+00	0.0000e+00	0.0000e+00	3.0329e+02	1.7534e+03	-2.0745e+02
	38	0.0000e+00	0.0000e+00	0.0000e+00	-1.4772e+03	1.6646e+02	-7.0328e+01
179	520	0.0000e+00	0.0000e+00	0.0000e+00	-2.3546e+02	-1.1804e+02	7.3570e+01
	522	0.0000e+00	0.0000e+00	0.0000e+00	-6.7038e+02	-4.3667e+02	-7.4758e+00
	47	0.0000e+00	0.0000e+00	0.0000e+00	-5.6375e+02	3.1337e+02	-9.9622e+01
	46	0.0000e+00	0.0000e+00	0.0000e+00	-3.1619e+02	-8.9817e+01	-2.0167e+01
180	37	0.0000e+00	0.0000e+00	0.0000e+00	-7.2585e+02	-1.2770e+02	-2.2588e+02
	38	0.0000e+00	0.0000e+00	0.0000e+00	-7.1529e+02	2.0435e+02	-3.6302e+01
	522	0.0000e+00	0.0000e+00	0.0000e+00	-6.6030e+02	-6.6562e+01	1.0629e+02
	520	0.0000e+00	0.0000e+00	0.0000e+00	-4.0686e+02	9.3768e+01	-7.5357e+01
181	517	0.0000e+00	0.0000e+00	0.0000e+00	-9.4426e+02	-3.0759e+02	-2.5234e+02
	518	0.0000e+00	0.0000e+00	0.0000e+00	-8.1303e+02	-3.7939e+02	-5.8834e+01
	38	0.0000e+00	0.0000e+00	0.0000e+00	-9.1088e+02	1.2983e+02	-1.0995e+02
	37	0.0000e+00	0.0000e+00	0.0000e+00	-6.6451e+02	4.0096e+01	-2.4608e+02
182	521	0.0000e+00	0.0000e+00	0.0000e+00	3.6484e+01	-1.3480e+02	-1.5133e+02
	520	0.0000e+00	0.0000e+00	0.0000e+00	-3.5180e+02	-1.4751e+02	-2.1412e+01
	46	0.0000e+00	0.0000e+00	0.0000e+00	-5.7033e+01	2.5261e+02	1.1173e+02
	45	0.0000e+00	0.0000e+00	0.0000e+00	8.3420e+01	-2.6564e+02	-2.5885e+01
183	36	0.0000e+00	0.0000e+00	0.0000e+00	9.9080e+02	-7.8483e+02	-5.6479e+02
	37	0.0000e+00	0.0000e+00	0.0000e+00	-2.6377e+02	2.6868e+01	-6.2190e+02
	520	0.0000e+00	0.0000e+00	0.0000e+00	-2.8845e+02	-8.3871e+01	-1.8143e+02
	521	0.0000e+00	0.0000e+00	0.0000e+00	1.8417e+01	-4.9413e+02	1.8599e+02
184	466	0.0000e+00	0.0000e+00	0.0000e+00	2.1735e+02	-1.6357e+02	-5.8590e+02
	517	0.0000e+00	0.0000e+00	0.0000e+00	-8.9305e+02	7.5744e+01	-3.9513e+02
	37	0.0000e+00	0.0000e+00	0.0000e+00	-7.1851e+02	7.9118e+01	-4.6805e+02
	36	0.0000e+00	0.0000e+00	0.0000e+00	1.2021e+03	2.4348e+02	-5.9201e+02
185	28	0.0000e+00	0.0000e+00	0.0000e+00	-2.1031e+03	-9.0921e+02	5.8359e+02
	586	0.0000e+00	0.0000e+00	0.0000e+00	-2.3940e+02	-1.8249e+03	1.1086e+03
	587	0.0000e+00	0.0000e+00	0.0000e+00	-1.5595e+02	-1.5200e+03	-2.7964e+02
	518	0.0000e+00	0.0000e+00	0.0000e+00	-8.1470e+02	1.1010e+02	-2.1619e+02
186	29	0.0000e+00	0.0000e+00	0.0000e+00	-4.9257e+02	-4.4633e+02	1.6177e+02
	28	0.0000e+00	0.0000e+00	0.0000e+00	-1.1731e+03	-6.9389e+02	1.8923e+02
	518	0.0000e+00	0.0000e+00	0.0000e+00	-9.8382e+02	-1.9736e+02	2.6969e+01
	517	0.0000e+00	0.0000e+00	0.0000e+00	-8.5286e+02	-1.7617e+02	3.8766e+01
187	26	0.0000e+00	0.0000e+00	0.0000e+00	-4.2613e+02	-3.4163e+02	6.4881e+02
	27	0.0000e+00	0.0000e+00	0.0000e+00	-4.9252e+02	-5.0193e+02	2.3525e+02
	28	0.0000e+00	0.0000e+00	0.0000e+00	-9.4942e+02	-1.5706e+03	6.7844e+01
	29	0.0000e+00	0.0000e+00	0.0000e+00	-4.8577e+02	-1.0780e+03	4.8129e+02
188	457	0.0000e+00	0.0000e+00	0.0000e+00	6.0180e+01	7.4066e+02	6.9676e+02
	462	0.0000e+00	0.0000e+00	0.0000e+00	-3.7776e+02	4.8584e+02	2.4475e+02
	27	0.0000e+00	0.0000e+00	0.0000e+00	-2.8945e+02	-5.7850e+02	2.8395e+02
	26	0.0000e+00	0.0000e+00	0.0000e+00	-3.6056e+02	-4.5189e+02	7.0058e+02
189	516	0.0000e+00	0.0000e+00	0.0000e+00	-3.3306e+02	-1.7701e+02	1.4486e+02
	29	0.0000e+00	0.0000e+00	0.0000e+00	-9.8417e+02	-2.0935e+02	9.2721e+01
	517	0.0000e+00	0.0000e+00	0.0000e+00	-1.0654e+03	6.7742e+01	-4.0960e+02
	466	0.0000e+00	0.0000e+00	0.0000e+00	4.0205e+02	8.4005e+02	-5.2901e+02
190	515	0.0000e+00	0.0000e+00	0.0000e+00	-7.4583e+02	5.9070e+02	3.1984e+02

	26	0.0000e+00	0.0000e+00	0.0000e+00	-1.3697e+03	4.1078e+02	2.7000e+02
	29	0.0000e+00	0.0000e+00	0.0000e+00	-1.0653e+03	6.7265e+01	1.6502e+02
	516	0.0000e+00	0.0000e+00	0.0000e+00	-5.1850e+02	2.2201e+02	1.7860e+02
191	454	0.0000e+00	0.0000e+00	0.0000e+00	-1.7480e+02	9.6108e+02	9.6269e+02
	457	0.0000e+00	0.0000e+00	0.0000e+00	-8.1263e+02	5.6670e+02	7.0341e+02
	26	0.0000e+00	0.0000e+00	0.0000e+00	-7.3266e+02	3.0808e+02	7.1848e+02
	515	0.0000e+00	0.0000e+00	0.0000e+00	-3.1714e+02	-1.5057e+02	8.9888e+02
192	31	0.0000e+00	0.0000e+00	0.0000e+00	-1.2220e+03	-1.3568e+03	7.1339e+02
	463	0.0000e+00	0.0000e+00	0.0000e+00	-1.4894e+03	-8.9641e+01	1.0833e+03
	10	0.0000e+00	0.0000e+00	0.0000e+00	-3.2949e+03	-3.3703e+03	-6.2416e+01
	465	0.0000e+00	0.0000e+00	0.0000e+00	8.3410e+02	-7.6491e+02	-1.2364e+02
193	23	0.0000e+00	0.0000e+00	0.0000e+00	-3.3357e+02	1.8232e+02	6.2759e+02
	513	0.0000e+00	0.0000e+00	0.0000e+00	-7.6669e+02	5.2937e+02	4.2035e+02
	463	0.0000e+00	0.0000e+00	0.0000e+00	-4.1373e+02	-5.6625e+02	5.4963e+02
	31	0.0000e+00	0.0000e+00	0.0000e+00	-1.1764e+03	-1.0614e+03	1.0506e+03
194	30	0.0000e+00	0.0000e+00	0.0000e+00	1.3288e+03	-4.8615e+02	4.1402e+02
	31	0.0000e+00	0.0000e+00	0.0000e+00	-1.5099e+03	-8.1012e+02	5.7519e+02
	465	0.0000e+00	0.0000e+00	0.0000e+00	3.6209e+02	-2.2730e+02	1.0399e+02
	512	0.0000e+00	0.0000e+00	0.0000e+00	8.6535e+02	-3.2700e+01	-2.1729e+02
195	22	0.0000e+00	0.0000e+00	0.0000e+00	3.3531e+02	3.9933e+02	8.3645e+02
	23	0.0000e+00	0.0000e+00	0.0000e+00	-6.7554e+02	4.6227e+02	8.1579e+02
	31	0.0000e+00	0.0000e+00	0.0000e+00	-1.2648e+03	-3.5444e+02	6.2445e+02
	30	0.0000e+00	0.0000e+00	0.0000e+00	8.5325e+02	5.6471e+02	6.4424e+02
196	418	0.0000e+00	0.0000e+00	0.0000e+00	4.4410e+02	3.0832e+02	9.0636e+02
	425	0.0000e+00	0.0000e+00	0.0000e+00	-3.9596e+02	-1.4207e+02	9.8860e+02
	23	0.0000e+00	0.0000e+00	0.0000e+00	-5.6235e+02	-1.4983e+02	9.4932e+02
	22	0.0000e+00	0.0000e+00	0.0000e+00	2.6423e+02	-2.6478e+02	8.4706e+02
197	171	0.0000e+00	0.0000e+00	0.0000e+00	1.2299e+03	8.3516e+02	9.0063e+01
	30	0.0000e+00	0.0000e+00	0.0000e+00	7.4147e+02	6.0872e+02	6.4969e+01
	512	0.0000e+00	0.0000e+00	0.0000e+00	8.4558e+02	6.6235e+01	-6.5444e+01
	511	0.0000e+00	0.0000e+00	0.0000e+00	1.1453e+03	-2.1482e+02	5.8261e+01
198	415	0.0000e+00	0.0000e+00	0.0000e+00	4.2408e+02	-2.9074e+02	1.4054e+02
	418	0.0000e+00	0.0000e+00	0.0000e+00	-1.6444e+02	-6.0568e+02	6.7650e+02
	22	0.0000e+00	0.0000e+00	0.0000e+00	3.1449e+02	4.0782e+02	6.6335e+02
	21	0.0000e+00	0.0000e+00	0.0000e+00	4.5795e+02	2.3310e+02	1.2390e+02
199	398	0.0000e+00	0.0000e+00	0.0000e+00	-1.6504e+02	-1.3529e+02	-1.6322e+02
	171	0.0000e+00	0.0000e+00	0.0000e+00	1.2429e+03	6.5122e+02	6.4334e+01
	511	0.0000e+00	0.0000e+00	0.0000e+00	1.0564e+03	-9.6788e+01	4.2929e+02
	412	0.0000e+00	0.0000e+00	0.0000e+00	-4.7789e+02	-2.0873e+02	-5.2582e+01
200	53	0.0000e+00	0.0000e+00	0.0000e+00	2.9616e+02	-1.1566e+03	-5.4926e+02
	415	0.0000e+00	0.0000e+00	0.0000e+00	2.1150e+02	-6.0641e+02	-2.8286e+02
	21	0.0000e+00	0.0000e+00	0.0000e+00	8.3109e+02	2.8552e+02	-2.2687e+02
	413	0.0000e+00	0.0000e+00	0.0000e+00	-3.5529e+02	4.5398e+02	-4.8793e+02
201	510	0.0000e+00	0.0000e+00	0.0000e+00	1.4519e+02	3.4510e+02	-3.4586e+02
	491	0.0000e+00	0.0000e+00	0.0000e+00	-5.9289e+01	3.0231e+02	-3.6874e+02
	186	0.0000e+00	0.0000e+00	0.0000e+00	-5.0448e+02	-1.9304e+02	-3.9228e+02
	400	0.0000e+00	0.0000e+00	0.0000e+00	5.5594e+02	-1.4281e+02	-3.5988e+02
202	41	0.0000e+00	0.0000e+00	0.0000e+00	-2.0594e+02	1.4310e+02	-1.0378e+02
	43	0.0000e+00	0.0000e+00	0.0000e+00	2.9797e+02	3.9891e+02	-1.1154e+02
	491	0.0000e+00	0.0000e+00	0.0000e+00	-6.7140e+01	2.2565e+02	-2.4381e+02
	510	0.0000e+00	0.0000e+00	0.0000e+00	1.4023e+02	6.4788e+02	-2.5454e+02
203	127	0.0000e+00	0.0000e+00	0.0000e+00	3.0987e+02	9.9664e+01	-3.4810e+01
	42	0.0000e+00	0.0000e+00	0.0000e+00	-1.9012e+02	-3.5152e+02	-5.7272e+01
	43	0.0000e+00	0.0000e+00	0.0000e+00	2.7405e+02	4.3528e+02	-5.8633e+01
	41	0.0000e+00	0.0000e+00	0.0000e+00	-2.3271e+02	-8.4233e+01	-1.2662e+01
204	509	0.0000e+00	0.0000e+00	0.0000e+00	6.6703e+02	6.4757e+02	7.0750e+01
	510	0.0000e+00	0.0000e+00	0.0000e+00	1.0179e+02	5.9587e+02	-2.5896e+02

	400	0.0000e+00	0.0000e+00	0.0000e+00	-4.1302e+02	-3.4583e+02	-2.5299e+02
	399	0.0000e+00	0.0000e+00	0.0000e+00	6.3252e+02	-3.8417e+02	6.4121e+01
205	40	0.0000e+00	0.0000e+00	0.0000e+00	1.1387e+03	5.3530e+02	5.3091e+01
	41	0.0000e+00	0.0000e+00	0.0000e+00	1.2040e+02	2.5447e+02	-1.0757e+02
	510	0.0000e+00	0.0000e+00	0.0000e+00	2.9867e+02	6.2397e+02	-1.0905e+02
	509	0.0000e+00	0.0000e+00	0.0000e+00	7.7160e+02	4.4308e+02	7.1101e+01
206	126	0.0000e+00	0.0000e+00	0.0000e+00	1.2269e+03	-1.8938e+02	-7.5988e+01
	127	0.0000e+00	0.0000e+00	0.0000e+00	4.1044e+01	-1.0271e+02	5.2332e+01
	41	0.0000e+00	0.0000e+00	0.0000e+00	7.9412e+01	1.9409e+02	-1.5185e+01
	40	0.0000e+00	0.0000e+00	0.0000e+00	1.2231e+03	4.5726e+02	-4.6340e+01
207	91	0.0000e+00	0.0000e+00	0.0000e+00	-2.9855e+02	2.6779e+02	3.9976e+02
	509	0.0000e+00	0.0000e+00	0.0000e+00	6.6264e+02	6.5859e+02	2.6857e+02
	399	0.0000e+00	0.0000e+00	0.0000e+00	-2.1315e+02	-5.0177e+02	3.4889e+02
	60	0.0000e+00	0.0000e+00	0.0000e+00	3.4804e+02	-3.6239e+02	4.8630e+02
208	168	0.0000e+00	0.0000e+00	0.0000e+00	-3.4176e+02	3.8969e+02	3.9096e+02
	40	0.0000e+00	0.0000e+00	0.0000e+00	1.4581e+03	4.8803e+02	2.2516e+02
	509	0.0000e+00	0.0000e+00	0.0000e+00	7.9768e+02	3.9789e+02	2.5387e+02
	91	0.0000e+00	0.0000e+00	0.0000e+00	-3.5475e+02	4.9878e+02	2.9554e+02
209	1	0.0000e+00	0.0000e+00	0.0000e+00	-5.3517e+02	-9.3025e+02	-1.4151e+02
	126	0.0000e+00	0.0000e+00	0.0000e+00	1.5678e+03	-3.4221e+02	6.9918e+01
	40	0.0000e+00	0.0000e+00	0.0000e+00	1.3477e+03	4.1016e+02	8.1557e+01
	168	0.0000e+00	0.0000e+00	0.0000e+00	-6.6045e+02	6.7014e+02	2.8516e+02
210	508	0.0000e+00	0.0000e+00	0.0000e+00	7.5233e+01	-6.0037e+02	-3.8638e+02
	476	0.0000e+00	0.0000e+00	0.0000e+00	-2.7976e+01	-7.1443e+02	-4.7718e+02
	187	0.0000e+00	0.0000e+00	0.0000e+00	-5.3332e+02	2.4829e+02	-5.0658e+02
	407	0.0000e+00	0.0000e+00	0.0000e+00	4.4296e+02	2.0137e+02	-4.1937e+02
211	507	0.0000e+00	0.0000e+00	0.0000e+00	2.8830e+01	-3.8935e+02	-6.9654e+01
	49	0.0000e+00	0.0000e+00	0.0000e+00	-1.9427e+01	-4.0142e+02	6.0362e+01
	476	0.0000e+00	0.0000e+00	0.0000e+00	8.0316e+01	-9.7915e+02	-1.8260e+02
	508	0.0000e+00	0.0000e+00	0.0000e+00	1.6268e+02	-6.2500e+02	-2.1489e+02
212	506	0.0000e+00	0.0000e+00	0.0000e+00	-1.6118e+01	-1.1983e+01	1.1551e+02
	45	0.0000e+00	0.0000e+00	0.0000e+00	4.4804e+01	-5.1957e+01	9.6021e+01
	49	0.0000e+00	0.0000e+00	0.0000e+00	-1.7363e+01	-2.0171e+02	6.3507e+01
	507	0.0000e+00	0.0000e+00	0.0000e+00	-4.3291e+01	-1.6385e+02	9.0928e+01
213	487	0.0000e+00	0.0000e+00	0.0000e+00	-4.9735e+01	-3.6991e+02	-4.1229e+02
	508	0.0000e+00	0.0000e+00	0.0000e+00	6.5658e+01	-4.0483e+02	-4.3566e+02
	407	0.0000e+00	0.0000e+00	0.0000e+00	-5.9244e+02	8.4916e+01	-4.4238e+02
	406	0.0000e+00	0.0000e+00	0.0000e+00	5.1383e+02	5.9546e+01	-4.1653e+02
214	48	0.0000e+00	0.0000e+00	0.0000e+00	1.4432e+02	-4.7162e+01	-2.6508e+01
	507	0.0000e+00	0.0000e+00	0.0000e+00	-5.0883e+01	-1.8069e+02	-1.1199e+02
	508	0.0000e+00	0.0000e+00	0.0000e+00	-8.3834e+01	-4.3601e+02	-3.4443e+02
	487	0.0000e+00	0.0000e+00	0.0000e+00	-1.0224e+02	-2.4302e+02	-2.2504e+02
215	44	0.0000e+00	0.0000e+00	0.0000e+00	-7.9037e+01	-2.6854e+02	1.2245e+01
	506	0.0000e+00	0.0000e+00	0.0000e+00	1.0982e+02	-1.1435e+02	5.2073e+01
	507	0.0000e+00	0.0000e+00	0.0000e+00	1.9111e+01	-1.7769e+02	-3.6900e+01
	48	0.0000e+00	0.0000e+00	0.0000e+00	1.3866e+02	8.9262e+01	-4.7656e+01
216	491	0.0000e+00	0.0000e+00	0.0000e+00	3.3653e+01	2.5204e+02	-3.7431e+02
	487	0.0000e+00	0.0000e+00	0.0000e+00	-3.7735e+01	1.8738e+02	-3.8184e+02
	406	0.0000e+00	0.0000e+00	0.0000e+00	-5.4158e+02	-9.2420e+01	-3.9830e+02
	186	0.0000e+00	0.0000e+00	0.0000e+00	5.1687e+02	-6.5731e+01	-4.0678e+02
217	43	0.0000e+00	0.0000e+00	0.0000e+00	5.7506e+01	3.4218e+02	-4.1506e+01
	48	0.0000e+00	0.0000e+00	0.0000e+00	-2.3634e+01	-6.8316e+01	-5.1061e+01
	487	0.0000e+00	0.0000e+00	0.0000e+00	-2.8030e+01	-2.0167e+02	-2.7089e+02
	491	0.0000e+00	0.0000e+00	0.0000e+00	3.4659e+01	2.4947e+02	-2.1527e+02
218	42	0.0000e+00	0.0000e+00	0.0000e+00	-2.6058e+02	-3.1987e+02	6.8952e+01
	44	0.0000e+00	0.0000e+00	0.0000e+00	2.1206e+02	-1.7409e+02	5.3890e+01
	48	0.0000e+00	0.0000e+00	0.0000e+00	4.8509e+01	1.1112e+02	-2.3241e+01

	43	0.0000e+00	0.0000e+00	0.0000e+00	-1.2070e+02	3.7358e+02	3.3086e+01
219	477	0.0000e+00	0.0000e+00	0.0000e+00	4.2588e+01	-1.7791e+03	3.0048e+02
	485	0.0000e+00	0.0000e+00	0.0000e+00	1.1128e+02	-2.7074e+03	2.6158e+02
	61	0.0000e+00	0.0000e+00	0.0000e+00	1.8502e+02	6.4568e+02	-1.7323e+02
	411	0.0000e+00	0.0000e+00	0.0000e+00	-1.8554e+02	4.7043e+02	-1.0886e+02
220	51	0.0000e+00	0.0000e+00	0.0000e+00	-1.7586e+03	-7.7235e+02	1.4346e+02
	8	0.0000e+00	0.0000e+00	0.0000e+00	3.6762e+02	1.0558e+03	5.5931e+02
	485	0.0000e+00	0.0000e+00	0.0000e+00	7.0209e+01	-3.0751e+03	6.0394e+02
	477	0.0000e+00	0.0000e+00	0.0000e+00	-3.0014e+02	-1.3094e+03	-1.1562e+02
221	47	0.0000e+00	0.0000e+00	0.0000e+00	-1.2140e+03	4.9503e+02	-3.9635e+02
	7	0.0000e+00	0.0000e+00	0.0000e+00	2.4219e+02	4.6228e+02	-5.6897e+02
	8	0.0000e+00	0.0000e+00	0.0000e+00	4.2711e+02	9.5714e+02	1.8995e+02
	51	0.0000e+00	0.0000e+00	0.0000e+00	-1.5751e+03	-5.3183e+02	9.1846e+01
222	473	0.0000e+00	0.0000e+00	0.0000e+00	4.9666e+01	-1.2869e+03	-2.1853e+02
	477	0.0000e+00	0.0000e+00	0.0000e+00	-5.3375e+02	-1.6823e+03	-1.5026e+02
	411	0.0000e+00	0.0000e+00	0.0000e+00	-4.8422e+02	6.2464e+02	-2.5414e+02
	409	0.0000e+00	0.0000e+00	0.0000e+00	1.2626e+02	5.6879e+02	-3.7992e+02
223	50	0.0000e+00	0.0000e+00	0.0000e+00	-7.6013e+01	-6.3871e+02	-5.7613e+01
	51	0.0000e+00	0.0000e+00	0.0000e+00	-9.6453e+02	-9.5586e+02	1.6278e+02
	477	0.0000e+00	0.0000e+00	0.0000e+00	-5.7839e+02	-1.4753e+03	-6.7674e+01
	473	0.0000e+00	0.0000e+00	0.0000e+00	-2.6499e+02	-1.3785e+03	-2.2419e+02
224	46	0.0000e+00	0.0000e+00	0.0000e+00	-3.1446e+02	-1.0240e+02	-2.3887e+01
	47	0.0000e+00	0.0000e+00	0.0000e+00	-6.6420e+02	3.6807e+02	-6.3036e+01
	51	0.0000e+00	0.0000e+00	0.0000e+00	-9.9606e+02	-7.0188e+02	-6.6500e+01
	50	0.0000e+00	0.0000e+00	0.0000e+00	-6.2514e+01	-4.1374e+02	-2.0336e+01
225	476	0.0000e+00	0.0000e+00	0.0000e+00	9.7536e+01	-9.2988e+02	-4.1016e+02
	473	0.0000e+00	0.0000e+00	0.0000e+00	-1.3184e+02	-1.0633e+03	-4.6479e+02
	409	0.0000e+00	0.0000e+00	0.0000e+00	-4.9102e+02	3.6265e+02	-5.3860e+02
	187	0.0000e+00	0.0000e+00	0.0000e+00	3.5556e+02	3.6339e+02	-4.4135e+02
226	49	0.0000e+00	0.0000e+00	0.0000e+00	1.1653e+01	-3.5538e+02	-2.7518e+01
	50	0.0000e+00	0.0000e+00	0.0000e+00	-1.4311e+02	-6.4712e+02	6.6299e+01
	473	0.0000e+00	0.0000e+00	0.0000e+00	-1.8825e+02	-1.4063e+03	-3.2250e+02
	476	0.0000e+00	0.0000e+00	0.0000e+00	7.6922e+01	-8.3657e+02	-4.1565e+02
227	45	0.0000e+00	0.0000e+00	0.0000e+00	7.2797e+01	-8.3911e+01	3.5663e+01
	46	0.0000e+00	0.0000e+00	0.0000e+00	-5.5965e+01	-1.2142e+02	-3.7545e+01
	50	0.0000e+00	0.0000e+00	0.0000e+00	-5.6628e+01	-4.7293e+02	-2.8600e+01
	49	0.0000e+00	0.0000e+00	0.0000e+00	2.1375e+01	-2.4428e+02	-2.3164e+01
228	58	0.0000e+00	0.0000e+00	0.0000e+00	1.6763e+02	3.9730e+02	5.4563e+02
	1	0.0000e+00	0.0000e+00	0.0000e+00	7.1914e+02	3.0400e+02	3.2698e+02
	464	0.0000e+00	0.0000e+00	0.0000e+00	-5.9351e+02	-7.3553e+02	-5.6808e+01
	421	0.0000e+00	0.0000e+00	0.0000e+00	1.8565e+02	-5.0465e+02	1.9225e+02

SFORZI "Dinamica SLVh Y" (Fase 1)

Generato da analisi lunedì 11 aprile 2022 alle ore 15:46:53.

Elem	Nodo	N	Vy	Vz	Mx	My	Mz
15	583	-2.4940e-13	2.8932e+02	-2.9153e-13	-3.5510e+03	7.3006e-12	2.2075e+04
	437	2.4940e-13	-2.8932e+02	2.9153e-13	3.5510e+03	1.9279e-11	2.1843e+04
16	430	-7.2967e-12	1.6214e+02	2.2761e-13	7.4386e+03	-2.9804e-11	1.4933e+04
	583	7.2967e-12	-1.6214e+02	-2.2761e-13	-7.4386e+03	-7.7926e-12	1.4544e+04
17	437	1.0522e-11	4.3070e+03	3.7518e-12	-1.0516e+04	-3.0368e-11	2.7415e+05
	133	-1.0522e-11	-4.3070e+03	-3.7518e-12	1.0516e+04	-4.3265e-12	2.3642e+05
18	428	1.4567e-11	-1.9915e+03	-1.7442e-13	1.4033e+04	1.2007e-10	-1.4493e+05
	131	-1.4567e-11	1.9915e+03	1.7442e-13	-1.4033e+04	-3.2305e-11	-9.2167e+04
19	427	3.6984e-12	-2.6721e+03	7.6471e-14	1.2402e+04	-4.4560e-12	-1.8879e+05
	130	-3.6984e-12	2.6721e+03	-7.6471e-14	-1.2402e+04	-4.6546e-12	-1.2895e+05

20	430	1.8430e-11	5.7079e+02	-8.2006e-14	8.9683e+03	1.1650e-10	3.7554e+04
	132	-1.8430e-11	-5.7079e+02	8.2006e-14	-8.9683e+03	-8.1191e-12	3.1431e+04
21	446	-1.4605e-11	8.2104e+03	-1.8225e-12	-1.2531e+04	5.1712e-12	5.6237e+05
	134	1.4605e-11	-8.2104e+03	1.8225e-12	1.2531e+04	4.2248e-12	4.2135e+05
22	455	-2.9115e-11	4.7553e+03	-4.6924e-13	8.8144e+03	-8.3792e-12	3.3167e+05
	135	2.9115e-11	-4.7553e+03	4.6924e-13	-8.8144e+03	2.4003e-10	2.3895e+05
23	460	-1.6322e-11	5.1241e+03	-3.7519e-12	7.5998e+03	8.4404e-12	3.3941e+05
	136	1.6322e-11	-5.1241e+03	3.7519e-12	-7.5998e+03	7.0348e-12	2.6843e+05
229	460	9.1998e-13	1.3261e+01	5.6994e-14	-2.9942e+04	1.4672e-11	4.5086e+03
	25	-9.1998e-13	-1.3261e+01	-5.6994e-14	2.9942e+04	-4.3696e-11	-7.5215e+02
230	455	2.4511e-13	4.8541e+01	-5.6847e-14	1.3558e+03	-7.5016e-12	7.1068e+03
	460	-2.4511e-13	-4.8541e+01	5.6847e-14	-1.3558e+03	2.9122e-11	7.6304e+03
231	446	2.2950e-13	3.3293e+01	-2.8669e-14	6.1325e+03	-4.2967e-12	5.5442e+03
	455	-2.2950e-13	-3.3293e+01	2.8669e-14	-6.1325e+03	1.0929e-11	6.2484e+03
232	437	-1.4304e-13	6.9268e+01	5.7175e-14	9.7603e+02	-3.3286e-13	1.0341e+04
	446	1.4304e-13	-6.9268e+01	-5.7175e-14	-9.7603e+02	-6.4034e-12	1.0688e+04
233	428	-1.1026e-13	4.6063e+01	-1.1369e-13	2.1293e+03	1.1073e-11	8.0616e+03
	430	1.1026e-13	-4.6063e+01	1.1369e-13	-2.1293e+03	2.1848e-11	6.8750e+03
234	427	9.2382e-13	2.6207e+01	5.7376e-14	1.7795e+03	-2.1840e-11	4.6711e+03
	428	-9.2382e-13	-2.6207e+01	-5.7376e-14	-1.7795e+03	1.4554e-11	3.3159e+03
235	490	-2.5287e-13	-2.0167e+01	4.1915e-15	3.1085e+03	-1.5555e-11	-2.6539e+03
	427	2.5287e-13	2.0167e+01	-4.1915e-15	-3.1085e+03	1.4566e-11	-3.5263e+03
236	410	7.2765e-12	-2.2662e+01	5.8731e-14	8.1783e+02	-1.4701e-11	-2.5622e+03
	471	-7.2765e-12	2.2662e+01	-5.8731e-14	-8.1783e+02	-4.0952e-12	-4.5805e+03
237	408	-7.2797e-12	-4.4567e+01	7.9593e-15	5.0939e+03	8.1477e-12	-6.4405e+03
	410	7.2797e-12	4.4567e+01	-7.9593e-15	-5.0939e+03	-2.9119e-11	-7.0893e+03
238	405	-3.7518e-12	-4.1693e+01	-2.9349e-14	5.2183e+03	1.8243e-11	-7.0989e+03
	408	3.7518e-12	4.1693e+01	2.9349e-14	-5.2183e+03	-3.7694e-12	-7.6683e+03
239	404	9.2078e-13	-5.8081e+01	7.2578e-14	5.6152e+03	-5.6833e-13	-8.7796e+03
	405	-9.2078e-13	5.8081e+01	-7.2578e-14	-5.6152e+03	-6.5514e-12	-8.8532e+03
240	403	3.6477e-12	-4.0795e+01	-4.9752e-14	4.9640e+03	8.2637e-12	-7.5102e+03
	404	-3.6477e-12	4.0795e+01	4.9752e-14	-4.9640e+03	5.7061e-12	-6.9392e+03
241	402	1.4493e-13	-4.3111e+01	-2.8556e-14	5.2076e+03	9.4891e-13	-6.9504e+03
	403	-1.4493e-13	4.3111e+01	2.8556e-14	-5.2076e+03	7.2944e-12	-6.1381e+03
242	401	9.2078e-13	-2.1283e+01	7.1515e-15	2.4628e+03	4.1126e-13	-4.0519e+03
	402	-9.2078e-13	2.1283e+01	-7.1515e-15	-2.4628e+03	-7.2933e-12	-2.4326e+03
243	470	1.4493e-13	1.0532e+01	-1.4818e-14	-9.8348e+02	1.5002e-11	1.3749e+03
	401	-1.4493e-13	-1.0532e+01	1.4818e-14	9.8348e+02	-4.7729e-13	1.9005e+03
244	158	-5.6362e-12	9.6151e+02	-1.1574e-13	4.1931e+03	5.8329e-11	2.2279e+05
	405	5.6362e-12	-9.6151e+02	1.1574e-13	-4.1931e+03	4.4282e-11	2.8564e+05
245	152	-7.2920e-12	4.2663e+02	-5.7332e-14	4.8744e+03	1.5005e-11	1.0203e+05
	403	7.2920e-12	-4.2663e+02	5.7332e-14	-4.8744e+03	6.0813e-13	1.2368e+05
246	160	-1.0193e-12	1.6516e+03	-1.1465e-13	9.1188e+03	1.4625e-11	3.9481e+05
	410	1.0193e-12	-1.6516e+03	1.1465e-13	-9.1188e+03	2.1046e-12	4.7813e+05
247	159	8.1568e-13	1.2689e+03	5.7398e-14	7.1460e+03	-1.4572e-11	2.9681e+05
	408	-8.1568e-13	-1.2689e+03	-5.7398e-14	-7.1460e+03	-2.9122e-11	3.7424e+05
248	157	4.8376e-12	6.9921e+02	-5.6974e-14	4.9851e+03	2.9354e-11	1.6347e+05
	404	-4.8376e-12	-6.9921e+02	5.6974e-14	-4.9851e+03	1.4686e-11	2.0609e+05
249	150	-1.8218e-11	1.7245e+02	-1.2912e-15	4.9200e+03	2.9111e-11	4.4105e+04
	402	1.8218e-11	-1.7245e+02	1.2912e-15	-4.9200e+03	-1.4569e-11	4.7226e+04
250	149	-1.4554e-11	2.9996e+01	-1.7116e-13	7.0922e+03	3.7089e-12	1.0304e+04

	401	1.4554e-11	-2.9996e+01	1.7116e-13	-7.0922e+03	2.9617e-11	5.9747e+03
332	172	-4.7454e-13	6.9480e+02	4.5499e-13	-4.2157e+03	-5.8217e-11	1.0721e+05
	489	4.7454e-13	-6.9480e+02	-4.5499e-13	4.2157e+03	-5.8337e-11	1.0925e+05
333	139	1.2277e-13	1.2196e+02	-1.1397e-13	7.9858e+03	1.3003e-12	2.1894e+04
	172	-1.2277e-13	-1.2196e+02	1.1397e-13	-7.9858e+03	3.8896e-12	1.6314e+04
334	179	1.6305e-11	1.1522e+02	-9.7314e-13	-2.7336e+04	2.3284e-10	8.1752e+03
	57	-1.6305e-11	-1.1522e+02	9.7314e-13	2.7336e+04	2.3668e-10	2.8126e+04
335	259	-1.3854e-12	-1.1491e+02	9.1833e-13	1.0489e+04	-7.2760e-12	-2.5380e+04
	179	1.3854e-12	1.1491e+02	-9.1833e-13	-1.0489e+04	-5.9111e-11	-1.1324e+04
336	2	2.9346e-11	2.8805e+01	1.1719e-13	-4.0519e+03	-6.5634e-12	4.8094e+03
	3	-2.9346e-11	-2.8805e+01	-1.1719e-13	4.0519e+03	-6.5594e-12	1.7554e+03
337	54	-2.9121e-11	-1.9377e+01	2.2740e-13	-4.7999e+03	6.0169e-11	-3.9566e+03
	4	2.9121e-11	1.9377e+01	-2.2740e-13	4.7999e+03	-6.0394e-11	-9.7766e+02
338	56	-8.1862e-12	-3.3545e+01	-1.5637e-13	4.8035e+03	-3.0330e-11	-3.8304e+03
	55	8.1862e-12	3.3545e+01	1.5637e-13	-4.8035e+03	6.0467e-11	-3.6727e+03
339	59	5.8802e-11	3.0193e+01	2.6089e-13	4.6400e+03	-6.0714e-11	4.2499e+03
	57	-5.8802e-11	-3.0193e+01	-2.6089e-13	-4.6400e+03	5.8922e-11	2.5198e+03
340	71	1.7875e-10	-1.2867e+04	5.9366e-11	-6.0650e+04	-7.0048e-10	-8.7359e+04
	68	-1.7875e-10	1.2867e+04	-5.9366e-11	6.0650e+04	-4.3845e-11	-9.4763e+04
341	66	1.2566e-10	-9.9646e+03	-8.7787e-11	4.5047e+04	4.9927e-10	-6.7405e+04
	69	-1.2566e-10	9.9646e+03	8.7787e-11	-4.5047e+04	4.9842e-10	-7.3822e+04
342	72	3.6806e-12	1.4365e+01	-4.8202e-15	3.9603e+03	-8.2162e-12	2.0960e+03
	73	-3.6806e-12	-1.4365e+01	4.8202e-15	-3.9603e+03	9.2446e-12	3.3986e+03
343	180	2.1232e-10	2.0856e+03	1.0300e-11	1.1333e+05	-4.7027e-10	-1.0465e+05
	72	-2.1232e-10	-2.0856e+03	-1.0300e-11	-1.1333e+05	4.6943e-10	1.4889e+05
344	63	9.3921e-13	2.0856e+03	1.1419e-12	6.3076e+03	-5.8245e-11	1.9418e+05
	180	-9.3921e-13	-2.0856e+03	-1.1419e-12	-6.3076e+03	-1.0193e-10	1.5413e+05
345	62	1.8801e-12	-1.4223e+01	-3.1351e-13	-4.3667e+03	5.7305e-11	-1.9585e+03
	63	-1.8801e-12	1.4223e+01	3.1351e-13	4.3667e+03	2.7293e-11	-2.0756e+03
346	65	-1.2050e-10	-1.6614e+04	-3.6112e-11	3.4125e+04	-9.3884e-10	-2.0334e+05
	62	1.2050e-10	1.6614e+04	3.6112e-11	-3.4125e+04	1.4034e-09	-1.5436e+05
347	64	-3.7659e-12	-1.0742e+01	-3.3198e-14	3.3090e+03	2.5889e-12	-2.5091e+03
	65	3.7659e-12	1.0742e+01	3.3198e-14	-3.3090e+03	7.5170e-12	-1.6169e+03
348	249	-4.0500e-12	4.6812e+02	-5.8620e-14	-1.2222e+05	5.8350e-11	6.8724e+04
	248	4.0500e-12	-4.6812e+02	5.8620e-14	1.2222e+05	-3.0055e-11	8.0621e+04
349	233	1.9309e-12	7.0085e+02	-2.3492e-13	-4.9528e+03	2.9391e-11	9.1770e+04
	249	-1.9309e-12	-7.0085e+02	2.3492e-13	4.9528e+03	3.1139e-11	1.3539e+05
350	262	1.0733e-12	1.8139e+03	2.3459e-13	9.1039e+04	-5.8929e-11	2.9520e+05
	233	-1.0733e-12	-1.8139e+03	-2.3459e-13	-9.1039e+04	-7.2862e-11	2.8170e+05
351	263	-1.7167e-12	-6.3174e+02	1.7234e-13	-3.9275e+04	1.5117e-11	-4.7114e+04
	262	1.7167e-12	6.3174e+02	-1.7234e-13	3.9275e+04	-6.1880e-11	-1.6072e+05
352	264	-1.7026e-12	-9.2670e+02	3.9857e-13	-2.6379e+04	-1.8293e-11	-1.5807e+05
	263	1.7026e-12	9.2670e+02	-3.9857e-13	2.6379e+04	-2.3032e-11	-1.4331e+05
353	265	1.7188e-12	-5.9548e+02	-1.1369e-13	3.3942e+04	-2.9387e-11	-9.8960e+04
	264	-1.7188e-12	5.9548e+02	1.1369e-13	-3.3942e+04	4.4305e-11	-9.2441e+04
354	258	-3.1743e-12	5.1388e+02	-2.2782e-13	-2.7059e+04	1.1688e-10	8.2797e+04
	265	3.1743e-12	-5.1388e+02	2.2782e-13	2.7059e+04	-2.3297e-11	7.8056e+04
355	243	3.3443e-12	-4.6613e+02	2.2782e-13	1.8097e+04	-1.7574e-10	-7.3386e+04
	258	-3.3443e-12	4.6613e+02	-2.2782e-13	-1.8097e+04	1.1696e-10	-7.1895e+04
356	260	-1.0481e-12	-4.7505e+02	-4.6982e-13	1.4958e+04	1.2024e-10	-7.0044e+04

	259	1.0481e-12	4.7505e+02	4.6982e-13	-1.4958e+04	6.0030e-11	-8.1381e+04
357	65	-7.5076e-12	-4.3504e+03	-2.7430e-12	4.0031e+04	1.7677e-10	-3.7755e+05
	260	7.5076e-12	4.3504e+03	2.7430e-12	-4.0031e+04	2.3702e-10	-3.6056e+05
358	257	1.5028e-11	-4.1355e+02	3.6626e-13	3.9037e+04	1.2044e-10	-6.8196e+04
	3	-1.5028e-11	4.1355e+02	-3.6626e-13	-3.9037e+04	-1.2115e-10	-6.4404e+04
359	261	-4.1945e-12	3.2137e+02	-6.3652e-14	4.9370e+03	-1.2012e-10	5.0950e+04
	257	4.1945e-12	-3.2137e+02	6.3652e-14	-4.9370e+03	1.7478e-10	5.1250e+04
360	72	-2.1001e-12	-4.9344e+02	9.1127e-13	-1.4708e+04	-1.1693e-10	-8.0043e+04
	261	2.1001e-12	4.9344e+02	-9.1127e-13	1.4708e+04	-5.8665e-11	-8.0502e+04
369	241	9.1127e-13	2.6316e+02	9.4655e-13	3.9238e+04	-1.1732e-10	4.4587e+04
	4	-9.1127e-13	-2.6316e+02	-9.4655e-13	-3.9238e+04	-2.3306e-10	3.9862e+04
370	245	1.8236e-12	-2.7712e+02	-4.8568e-13	1.2533e+04	-1.1738e-10	-4.3326e+04
	241	-1.8236e-12	2.7712e+02	4.8568e-13	-1.2533e+04	2.3294e-10	-4.4804e+04
371	240	1.4559e-11	2.4633e+02	4.6880e-13	2.4993e+04	-1.7523e-10	3.8943e+04
	245	-1.4559e-11	-2.4633e+02	-4.6880e-13	-2.4993e+04	0.0000e+00	3.9390e+04
372	246	-1.4567e-11	-3.2964e+02	-7.9788e-13	-1.4391e+04	2.9611e-11	-5.2043e+04
	240	1.4567e-11	3.2964e+02	7.9788e-13	1.4391e+04	4.3850e-11	-5.2782e+04
373	242	1.5141e-11	-2.8096e+02	4.5580e-13	5.9582e+03	-7.3766e-11	-4.5933e+04
	246	-1.5141e-11	2.8096e+02	-4.5580e-13	-5.9582e+03	-8.7940e-11	-4.5378e+04
374	214	1.4554e-11	-1.8902e+02	6.9284e-13	3.4362e+04	-7.2804e-12	-2.2996e+04
	242	-1.4554e-11	1.8902e+02	-6.9284e-13	-3.4362e+04	-6.5509e-11	-3.7253e+04
375	213	-1.8199e-13	-5.6214e+01	9.2407e-13	-6.1790e+03	-1.7771e-10	-1.3640e+04
	214	1.8199e-13	5.6214e+01	-9.2407e-13	6.1790e+03	-1.1850e-10	-5.2254e+03
376	55	-1.5009e-11	7.8351e+01	2.5116e-13	-3.9819e+04	-1.1642e-10	1.7525e+04
	213	1.5009e-11	-7.8351e+01	-2.5116e-13	3.9819e+04	4.5475e-13	7.7264e+03
385	179	4.0927e-12	1.8060e+02	-1.5828e-14	5.9785e+03	-8.6457e-12	4.0672e+04
	258	-4.0927e-12	-1.8060e+02	1.5828e-14	-5.9785e+03	1.6433e-11	5.3064e+04
386	253	-3.0331e-11	2.3772e+02	3.4700e-13	1.7114e+04	-4.1908e-11	5.0712e+04
	179	3.0331e-11	-2.3772e+02	-3.4700e-13	-1.7114e+04	-2.3423e-11	-4.8093e+03
387	250	5.3047e-12	1.3562e+04	2.6216e-13	-1.7571e+04	6.1848e-11	7.6268e+05
	72	-5.3047e-12	-1.3562e+04	-2.6216e-13	1.7571e+04	-6.7115e-11	1.6600e+06
388	70	-2.9364e-11	-1.5301e+03	-1.8334e-12	7.6273e+03	-6.0118e-11	-9.9392e+04
	73	2.9364e-11	1.5301e+03	1.8334e-12	-7.6273e+03	3.5046e-10	-1.2700e+05
389	67	-7.0066e-12	-5.9743e+02	-4.9136e-13	9.5396e+03	3.2165e-10	-7.1345e+04
	70	7.0066e-12	5.9743e+02	4.9136e-13	-9.5396e+03	-3.2141e-10	-3.5082e+04
390	64	-9.2975e-12	1.9989e+03	-4.5839e-12	7.7353e+03	4.8049e-10	1.5643e+05
	67	9.2975e-12	-1.9989e+03	4.5839e-12	-7.7353e+03	3.7869e-10	1.3917e+05
391	67	2.1174e-11	4.2628e+03	-5.3684e-13	-2.4081e+04	9.0654e-11	4.1234e+05
	263	-2.1174e-11	-4.2628e+03	5.3684e-13	2.4081e+04	-9.0490e-11	3.0485e+05
392	73	1.5435e-11	8.1964e+03	-5.1710e-13	2.3190e+04	3.9113e-11	7.2562e+05
	262	-1.5435e-11	-8.1964e+03	5.1710e-13	-2.3190e+04	4.6764e-11	5.2156e+05
393	257	-1.4667e-11	6.7890e+02	1.7306e-13	1.2729e+04	-1.3074e-12	1.7972e+05
	249	1.4667e-11	-6.7890e+02	-1.7306e-13	-1.2729e+04	-2.0924e-11	1.7263e+05
394	256	5.8322e-11	2.5354e+03	5.5731e-13	-1.6978e+04	1.6702e-11	2.5719e+05
	257	-5.8322e-11	-2.5354e+03	-5.5731e-13	1.6978e+04	-2.4286e-10	2.3342e+05
395	261	-7.2858e-11	4.8903e+02	6.3467e-15	1.6129e+04	5.3051e-12	1.2945e+05
	233	7.2858e-11	-4.8903e+02	-6.3467e-15	-1.6129e+04	-1.5036e-11	1.2436e+05
396	252	2.9344e-11	2.2293e+03	-2.2914e-13	7.4928e+03	-3.0936e-11	2.1740e+05
	261	-2.9344e-11	-2.2293e+03	2.2914e-13	-7.4928e+03	6.2722e-11	2.1396e+05
397	260	-7.3505e-12	3.4368e+02	1.9484e-14	-6.7697e+03	1.5555e-11	9.2018e+04

	264	7.3505e-12	-3.4368e+02	-1.9484e-14	6.7697e+03	-5.8855e-11	8.6352e+04
398	254	1.5139e-11	1.9165e+03	-2.7920e-13	1.3823e+04	6.0308e-11	1.8743e+05
	260	-1.5139e-11	-1.9165e+03	-2.7920e-13	-1.3823e+04	4.6774e-10	1.8343e+05
399	243	3.0069e-11	1.4864e+03	-3.3126e-15	1.7525e+04	1.1447e-12	3.5262e+05
	55	-3.0069e-11	-1.4864e+03	3.3126e-15	-1.7525e+04	8.5740e-13	4.6051e+05
400	57	-3.0069e-11	1.4948e+03	-5.7579e-14	1.5705e+04	7.6167e-12	4.2642e+05
	243	3.0069e-11	-1.4948e+03	5.7579e-14	-1.5705e+04	1.4795e-11	3.1205e+05
401	248	-1.4666e-11	3.2219e+03	-1.6773e-15	1.8058e+04	-3.8608e-12	5.8526e+05
	4	1.4666e-11	-3.2219e+03	1.6773e-15	-1.8058e+04	3.9367e-12	1.1450e+06
402	3	8.1886e-12	4.0058e+03	2.0812e-14	2.0061e+04	-7.4159e-12	1.3102e+06
	248	-8.1886e-12	-4.0058e+03	-2.0812e-14	-2.0061e+04	-7.3370e-12	7.0880e+05
403	241	-5.9224e-11	2.7326e+03	-3.5965e-13	-2.1296e+04	-4.8160e-10	2.5153e+05
	236	5.9224e-11	-2.7326e+03	3.5965e-13	2.1296e+04	4.8357e-10	2.7723e+05
404	249	1.4665e-11	5.9959e+02	2.9344e-14	7.7235e+03	-3.0084e-11	1.6270e+05
	241	-1.4665e-11	-5.9959e+02	-2.9344e-14	-7.7235e+03	2.2233e-11	1.6828e+05
405	245	2.9344e-11	2.6312e+03	6.3949e-14	-6.1230e+03	7.2760e-12	2.4054e+05
	244	-2.9344e-11	-2.6312e+03	-6.3949e-14	6.1230e+03	-2.2129e-11	2.6860e+05
406	233	-2.9161e-11	6.5958e+02	-7.3434e-14	-4.0967e+03	-3.2642e-11	1.8366e+05
	245	2.9161e-11	-6.5958e+02	7.3434e-14	4.0967e+03	4.6074e-11	1.8042e+05
407	240	-5.8208e-11	2.0347e+03	-1.8202e-12	-5.4436e+03	1.5000e-11	1.6168e+05
	238	5.8208e-11	-2.0347e+03	1.8202e-12	5.4436e+03	2.2504e-11	2.3205e+05
408	262	-4.0675e-12	1.4978e+03	-1.0565e-15	-6.0468e+03	7.3924e-12	3.4979e+05
	240	4.0675e-12	-1.4978e+03	1.0565e-15	6.0468e+03	-4.0954e-12	4.7704e+05
409	246	-3.8137e-11	2.1492e+03	-1.8796e-12	5.1897e+03	1.3140e-10	1.9661e+05
	239	3.8137e-11	-2.1492e+03	1.8796e-12	-5.1897e+03	1.3371e-10	2.1925e+05
410	263	-1.0476e-12	5.1738e+02	1.6302e-14	1.5246e+04	-8.8879e-11	1.3384e+05
	246	1.0476e-12	-5.1738e+02	-1.6302e-14	-1.5246e+04	6.8449e-11	1.5175e+05
411	242	1.4819e-11	1.9399e+03	1.4579e-13	3.0378e+03	-1.2439e-10	1.7530e+05
	247	-1.4819e-11	-1.9399e+03	-1.4579e-13	-3.0378e+03	1.2012e-10	2.0063e+05
412	264	2.9164e-11	4.8847e+02	-1.2057e-13	1.3649e+04	2.9457e-11	1.3661e+05
	242	-2.9164e-11	-4.8847e+02	1.2057e-13	-1.3649e+04	1.1017e-11	1.3303e+05
413	213	5.8350e-11	3.0284e+02	-3.6669e-12	2.0320e+04	2.7389e-10	-2.2326e+04
	235	-5.8350e-11	-3.0284e+02	3.6669e-12	-2.0320e+04	8.7463e-11	8.0292e+04
414	258	-1.5055e-11	2.4898e+02	-6.2914e-14	1.0181e+04	6.5814e-11	8.2054e+04
	213	1.5055e-11	-2.4898e+02	6.2914e-14	-1.0181e+04	-6.3929e-11	5.5446e+04
415	214	-8.3372e-12	8.5566e+02	-4.5576e-13	2.9642e+04	6.0913e-11	-1.2602e+05
	234	8.3372e-12	-8.5566e+02	4.5576e-13	-2.9642e+04	6.1101e-11	2.9104e+05
416	265	7.7983e-12	7.3914e+02	1.5947e-14	5.5097e+03	-1.1592e-11	2.4206e+05
	214	-7.7983e-12	-7.3914e+02	-1.5947e-14	-5.5097e+03	9.8627e-12	1.6597e+05
417	259	3.7774e-12	1.0087e+03	-1.1832e-14	1.2576e+04	4.2145e-12	2.8918e+05
	265	-3.7774e-12	-1.0087e+03	1.1832e-14	-1.2576e+04	8.6219e-13	2.3440e+05
418	255	-5.8802e-11	9.7242e+02	-2.3612e-13	-3.4863e+03	-5.8904e-11	1.6834e+05
	259	5.8802e-11	-9.7242e+02	2.3612e-13	3.4863e+03	1.1850e-10	3.1044e+04
419	177	3.0219e-11	1.2092e+02	-4.7559e-12	-3.2972e+04	1.1847e-10	8.4172e+03
	81	-3.0219e-11	-1.2092e+02	4.7559e-12	3.2972e+04	4.7131e-10	2.9674e+04
420	301	1.8331e-12	-1.4588e+02	2.9364e-14	1.1852e+04	-1.3016e-10	-3.0935e+04
	177	-1.8331e-12	1.4588e+02	-2.9364e-14	-1.1852e+04	1.1732e-10	-1.5383e+04
421	165	8.1356e-12	-1.1105e+01	3.0406e-14	-4.3674e+03	-6.5611e-11	-3.6773e+03
	164	-8.1356e-12	1.1105e+01	-3.0406e-14	4.3674e+03	3.1113e-11	2.1845e+03
422	125	-6.5207e-11	1.6343e+01	2.6834e-13	-5.0459e+03	6.5384e-11	4.2597e+03

	124	6.5207e-11	-1.6343e+01	-2.6834e-13	5.0459e+03	-6.6811e-11	-1.2821e+03
423	75	5.8265e-11	4.9245e+00	9.3838e-13	6.2654e+03	-6.6811e-11	-7.2672e+02
	74	-5.8265e-11	-4.9245e+00	-9.3838e-13	-6.2654e+03	-6.7709e-11	1.4509e+03
424	80	6.5232e-11	-3.0141e+00	9.3967e-13	5.0260e+03	-3.0438e-11	1.2072e+03
	81	-6.5232e-11	3.0141e+00	-9.3967e-13	-5.0260e+03	-2.9792e-11	-1.2527e+03
425	112	3.9294e-10	-1.2699e+04	3.9199e-11	-5.4627e+04	-3.7299e-09	-8.5863e+04
	105	-3.9294e-10	1.2699e+04	-3.9199e-11	5.4627e+04	6.6908e-11	-9.3908e+04
426	99	-1.1647e-10	-7.5421e+03	-3.5438e-10	3.0989e+04	4.8197e-10	-5.0592e+04
	106	1.1647e-10	7.5421e+03	3.5438e-10	-3.0989e+04	1.4214e-09	-5.6307e+04
427	117	2.9125e-11	1.8975e+01	-6.2187e-14	3.5003e+03	7.3924e-12	2.9503e+03
	118	-2.9125e-11	-1.8975e+01	6.2187e-14	-3.5003e+03	1.6130e-12	4.2996e+03
428	178	4.0853e-10	2.4893e+03	-1.1671e-10	1.3450e+05	9.4978e-10	-1.2357e+05
	117	-4.0853e-10	-2.4893e+03	1.1671e-10	-1.3450e+05	1.8638e-09	1.7637e+05
429	93	-1.4700e-11	2.4893e+03	2.2876e-12	7.8708e+03	-1.1755e-10	2.3324e+05
	178	1.4700e-11	-2.4893e+03	-2.2876e-12	-7.8708e+03	-1.7524e-10	1.8248e+05
430	94	7.3326e-12	-8.9419e+00	2.0832e-13	-4.8776e+03	-4.3860e-11	-1.0240e+03
	93	-7.3326e-12	8.9419e+00	-2.0832e-13	4.8776e+03	-2.9307e-11	-2.2607e+03
431	86	-1.6564e-10	-2.0825e+04	-2.3493e-10	2.7166e+04	4.7119e-10	-2.5977e+05
	94	1.6564e-10	2.0825e+04	2.3493e-10	-2.7166e+04	1.1704e-09	-1.8591e+05
432	87	-7.3091e-12	-2.0726e+01	8.2424e-14	4.0856e+03	-7.3326e-12	-4.5642e+03
	86	7.3091e-12	2.0726e+01	-8.2424e-14	-4.0856e+03	-1.4679e-11	-3.3619e+03
433	298	1.5549e-11	4.8111e+02	-9.1006e-13	-1.2204e+05	1.1642e-10	6.8492e+04
	309	-1.5549e-11	-4.8111e+02	9.1006e-13	1.2204e+05	5.8209e-11	8.4698e+04
434	325	-8.6349e-12	8.6606e+02	-5.1121e-13	-6.7252e+03	4.0818e-12	1.1399e+05
	298	8.6349e-12	-8.6606e+02	5.1121e-13	6.7252e+03	6.0000e-11	1.6395e+05
435	304	-2.9614e-12	2.2164e+03	4.6982e-13	9.6777e+04	-3.2796e-11	3.5578e+05
	325	2.9614e-12	-2.2164e+03	-4.6982e-13	-9.6777e+04	-3.2654e-11	3.4909e+05
436	299	-1.0779e-11	-6.5433e+02	6.5709e-14	-4.3834e+04	-1.1666e-10	-4.8806e+04
	304	1.0779e-11	6.5433e+02	-6.5709e-14	4.3834e+04	7.2882e-11	-1.6906e+05
437	332	-8.6307e-12	-1.0684e+03	-3.9795e-13	-2.9028e+04	2.4448e-11	-1.8216e+05
	299	8.6307e-12	1.0684e+03	3.9795e-13	2.9028e+04	7.4247e-11	-1.6527e+05
438	333	7.5660e-12	-6.0254e+02	2.5471e-13	3.5753e+04	-3.2755e-11	-9.8151e+04
	332	-7.5660e-12	6.0254e+02	-2.5471e-13	-3.5753e+04	-3.2541e-11	-9.5838e+04
439	306	-1.0778e-11	5.5727e+02	-1.1548e-13	-2.9805e+04	-1.8444e-10	8.9488e+04
	333	1.0778e-11	-5.5727e+02	1.1548e-13	2.9805e+04	2.3504e-10	8.4984e+04
440	316	3.5912e-12	-4.2267e+02	2.8422e-14	2.0147e+04	-2.4135e-10	-6.6130e+04
	306	-3.5912e-12	4.2267e+02	-2.8422e-14	-2.0147e+04	1.6734e-11	-6.5565e+04
441	305	-3.0014e-11	-5.4556e+02	-5.0922e-13	1.7671e+04	-1.1665e-10	-8.0848e+04
	301	3.0014e-11	5.4556e+02	5.0922e-13	-1.7671e+04	1.8411e-10	-9.3029e+04
442	86	1.5125e-11	-4.7453e+03	5.4880e-12	4.7990e+04	-1.5000e-11	-4.1144e+05
	305	-1.5125e-11	4.7453e+03	-5.4880e-12	-4.7990e+04	-1.2235e-10	-3.9368e+05
443	311	-8.1348e-12	-3.7750e+02	-1.8801e-12	3.9008e+04	4.8044e-10	-6.2513e+04
	164	8.1348e-12	3.7750e+02	1.8801e-12	-3.9008e+04	2.4099e-10	-5.8600e+04
444	312	3.0068e-11	-3.6170e+02	-1.8208e-12	-5.6306e+03	4.7048e-10	-5.7714e+04
	311	-3.0068e-11	3.6170e+02	1.8208e-12	5.6306e+03	2.3049e-11	-5.7325e+04
445	117	-2.0337e-12	-5.7466e+02	-1.8199e-12	-1.7657e+04	1.2045e-10	-9.4510e+04
	312	2.0337e-12	5.7466e+02	1.8199e-12	1.7657e+04	5.8665e-11	-9.2455e+04
454	318	1.4211e-14	3.0905e+02	-1.0390e-12	4.0522e+04	2.2737e-12	5.2032e+04
	124	-1.4211e-14	-3.0905e+02	1.0390e-12	-4.0522e+04	2.3283e-10	4.7110e+04
455	322	7.2904e-12	2.6279e+02	-1.8199e-12	1.3412e+04	3.4932e-10	4.1031e+04

	318	-7.2904e-12	-2.6279e+02	1.8199e-12	-1.3412e+04	1.1665e-10	4.2545e+04
456	327	1.2711e-13	2.3149e+02	1.8194e-12	2.6504e+04	-7.7707e-12	3.6626e+04
	322	-1.2711e-13	-2.3149e+02	-1.8194e-12	-2.6504e+04	-5.8668e-11	3.6989e+04
457	315	2.0629e-12	-3.2247e+02	-1.2589e-13	-1.4980e+04	-7.9913e-12	-5.0915e+04
	327	-2.0629e-12	3.2247e+02	1.2589e-13	1.4980e+04	1.7474e-10	-5.1633e+04
458	328	-2.2518e-11	2.6834e+02	-4.6965e-13	6.7086e+03	1.3106e-10	4.3940e+04
	315	2.2518e-11	-2.6834e+02	4.6965e-13	-6.7086e+03	8.7334e-11	4.3270e+04
459	287	-1.8190e-12	-1.7268e+02	-9.3967e-13	3.9024e+04	1.2006e-10	-2.1026e+04
	328	1.8190e-12	1.7268e+02	9.3967e-13	-3.9024e+04	1.1665e-10	-3.4031e+04
460	270	-1.8516e-12	5.4403e+01	2.8778e-12	-6.3599e+03	-2.6173e-10	1.2767e+04
	287	1.8516e-12	-5.4403e+01	-2.8778e-12	6.3599e+03	-2.4066e-10	5.6272e+03
461	74	1.6403e-11	8.4855e+01	4.7218e-13	-4.4621e+04	-1.8190e-12	1.8783e+04
	270	-1.6403e-11	-8.4855e+01	-4.7218e-13	4.4621e+04	-7.4036e-12	8.3164e+03
470	177	-2.9105e-11	2.2179e+02	7.1311e-14	5.2285e+03	-5.6628e-12	4.9366e+04
	306	2.9105e-11	-2.2179e+02	-7.1311e-14	-5.2285e+03	-1.7280e-11	6.5750e+04
471	313	1.1649e-10	2.9828e+02	3.6673e-12	2.1137e+04	-1.5000e-11	6.4051e+04
	177	-1.1649e-10	-2.9828e+02	-3.6673e-12	-2.1137e+04	-1.8331e-12	-6.5482e+03
472	303	-8.7638e-11	1.4235e+04	-5.8707e-14	-1.6494e+04	2.6306e-10	7.9813e+05
	117	8.7638e-11	-1.4235e+04	5.8707e-14	1.6494e+04	-2.4448e-10	1.7448e+06
473	111	3.3019e-11	-1.5877e+03	-2.0379e-12	9.8767e+03	2.3311e-10	-1.0245e+05
	118	-3.3019e-11	1.5877e+03	2.0379e-12	-9.8767e+03	2.3478e-10	-1.3269e+05
474	100	-1.6333e-11	-7.0186e+02	4.0984e-12	1.1465e+04	-3.4927e-10	-8.4873e+04
	111	1.6333e-11	7.0186e+02	-4.0984e-12	-1.1465e+04	-1.7475e-10	-4.1250e+04
475	87	-2.0785e-11	2.5668e+03	-3.4050e-12	-6.6866e+03	-2.9502e-10	1.9976e+05
	100	2.0785e-11	-2.5668e+03	3.4050e-12	6.6866e+03	7.6610e-10	1.7981e+05
476	100	-1.5341e-11	4.7041e+03	-1.0048e-12	-2.9430e+04	-8.9498e-11	4.5383e+05
	299	1.5341e-11	-4.7041e+03	1.0048e-12	2.9430e+04	1.9436e-10	3.3762e+05
477	118	-2.9162e-11	9.1063e+03	-1.3563e-12	2.5189e+04	1.1944e-10	8.0553e+05
	304	2.9162e-11	-9.1063e+03	1.3563e-12	-2.5189e+04	5.8783e-11	5.8011e+05
478	311	-1.1643e-10	7.4680e+02	1.1470e-13	1.3615e+04	-1.4697e-11	1.9785e+05
	298	1.1643e-10	-7.4680e+02	-1.1470e-13	-1.3615e+04	-4.1837e-11	1.8974e+05
479	307	5.8237e-11	2.4863e+03	1.0330e-12	-1.7539e+04	2.1310e-11	2.5097e+05
	311	-5.8237e-11	-2.4863e+03	-1.0330e-12	1.7539e+04	-7.0902e-10	2.3013e+05
480	312	3.0124e-11	5.3832e+02	5.7507e-14	1.7407e+04	1.4704e-11	1.4305e+05
	325	-3.0124e-11	-5.3832e+02	-5.7507e-14	-1.7407e+04	-4.1839e-11	1.3634e+05
481	300	2.9331e-11	2.2613e+03	-3.7015e-12	7.7608e+03	1.5001e-11	2.1877e+05
	312	-2.9331e-11	-2.2613e+03	3.7015e-12	-7.7608e+03	6.0027e-11	2.1880e+05
482	305	8.3498e-12	3.9101e+02	-1.6118e-13	-7.7807e+03	3.1872e-11	1.0408e+05
	332	-8.3498e-12	-3.9101e+02	1.6118e-13	7.7807e+03	3.4779e-11	9.8860e+04
483	302	-2.9176e-11	2.2669e+03	-7.2938e-12	1.5156e+04	5.2088e-10	2.1939e+05
	305	2.9176e-11	-2.2669e+03	7.2938e-12	-1.5156e+04	9.3223e-10	2.1928e+05
484	316	6.0549e-11	1.8045e+03	7.1135e-15	1.6066e+04	-9.5290e-13	4.3813e+05
	74	-6.0549e-11	-1.8045e+03	-7.1135e-15	-1.6066e+04	-1.1774e-12	5.4896e+05
485	81	-3.2793e-11	1.9221e+03	-9.1229e-14	1.6735e+04	1.7523e-11	5.3642e+05
	316	3.2793e-11	-1.9221e+03	9.1229e-14	-1.6735e+04	9.7761e-12	4.1313e+05
486	309	1.1369e-13	3.6611e+03	1.7498e-14	1.8925e+04	5.0022e-12	6.9717e+05
	124	-1.1369e-13	-3.6611e+03	-1.7498e-14	-1.8925e+04	-9.6433e-12	1.2690e+06
487	164	-5.8208e-11	4.3974e+03	3.8439e-14	2.1983e+04	7.4535e-12	1.4111e+06
	309	5.8208e-11	-4.3974e+03	-3.8439e-14	-2.1983e+04	-2.1924e-11	8.0530e+05
488	318	-1.1642e-10	2.6609e+03	-2.2925e-13	-1.8932e+04	9.4695e-10	2.4722e+05

	317	1.1642e-10	-2.6609e+03	2.2925e-13	1.8932e+04	-7.1448e-10	2.6767e+05
489	298	-2.9331e-11	6.6498e+02	-7.1650e-15	-8.1130e+03	-3.2844e-11	1.8013e+05
	318	2.9331e-11	-6.6498e+02	7.1650e-15	8.1130e+03	3.5133e-11	1.8694e+05
490	322	-2.9105e-11	2.6298e+03	-1.1546e-13	5.1364e+03	-9.0949e-13	2.4333e+05
	324	2.9105e-11	-2.6298e+03	1.1546e-13	-5.1364e+03	1.1642e-10	2.6554e+05
491	325	-9.2534e-13	7.2825e+02	1.4944e-13	-5.3239e+03	6.0171e-11	2.0180e+05
	322	9.2534e-13	-7.2825e+02	-1.4944e-13	5.3239e+03	-9.7918e-11	2.0020e+05
492	327	-7.2766e-11	2.0606e+03	3.7016e-12	4.3313e+03	-1.3016e-10	1.6621e+05
	331	7.2766e-11	-2.0606e+03	-3.7016e-12	-4.3313e+03	-1.6377e-11	2.3253e+05
493	304	-8.7316e-11	1.7398e+03	1.6776e-14	-7.0834e+03	-7.9711e-12	4.0820e+05
	327	8.7316e-11	-1.7398e+03	-1.6776e-14	7.0834e+03	-4.4673e-12	5.5224e+05
494	315	4.1091e-12	2.1918e+03	1.8372e-12	4.2601e+03	-4.8135e-10	2.0188e+05
	319	-4.1091e-12	-2.1918e+03	-1.8372e-12	-4.2601e+03	4.8069e-10	2.2223e+05
495	299	-1.3767e-11	5.8759e+02	-1.1574e-13	1.5585e+04	-8.7702e-11	1.5255e+05
	315	1.3767e-11	-5.8759e+02	1.1574e-13	-1.5585e+04	1.2297e-10	1.7181e+05
496	328	-8.7321e-11	2.0331e+03	-2.5461e-13	3.2766e+03	1.3102e-10	1.8442e+05
	310	8.7321e-11	-2.0331e+03	2.5461e-13	-3.2766e+03	-3.0068e-11	2.0957e+05
497	332	-7.8370e-12	5.4985e+02	-2.3708e-13	1.3861e+04	6.5234e-11	1.5376e+05
	328	7.8370e-12	-5.4985e+02	2.3708e-13	-1.3861e+04	7.5217e-12	1.4976e+05
498	270	-1.2005e-10	3.5035e+02	4.5851e-13	-1.9524e+04	-9.6264e-10	-2.5119e+04
	323	1.2005e-10	-3.5035e+02	-4.5851e-13	1.9524e+04	4.1807e-11	9.2362e+04
499	306	-3.2591e-11	2.8521e+02	-1.3102e-13	1.0511e+04	1.3778e-10	9.4655e+04
	270	3.2591e-11	-2.8521e+02	1.3102e-13	-1.0511e+04	-1.1819e-10	6.2850e+04
500	287	6.5282e-11	9.5524e+02	-9.1669e-13	2.9021e+04	1.3024e-10	-1.4661e+05
	329	-6.5282e-11	-9.5524e+02	9.1669e-13	-2.9021e+04	3.1203e-11	3.3080e+05
501	333	-1.4693e-11	8.6351e+02	1.9282e-14	6.6148e+03	-2.3458e-11	2.8539e+05
	287	1.4693e-11	-8.6351e+02	-1.9282e-14	-6.6148e+03	1.6389e-11	1.9131e+05
502	301	-3.0110e-11	1.1717e+03	3.3009e-14	1.3779e+04	-3.2902e-12	3.2667e+05
	333	3.0110e-11	-1.1717e+03	-3.3009e-14	-1.3779e+04	-9.3195e-12	2.8152e+05
503	308	1.1743e-10	1.5724e+03	-4.7267e-13	-3.1997e+03	-1.3117e-10	2.3632e+05
	301	-1.1743e-10	-1.5724e+03	4.7267e-13	3.1997e+03	3.5429e-10	7.1533e+04
504	173	-4.1802e-11	1.2826e+02	-6.1110e-12	-3.5256e+04	6.9850e-10	8.6720e+03
	83	4.1802e-11	-1.2826e+02	6.1110e-12	3.5256e+04	9.3902e-10	3.1578e+04
505	350	1.5000e-11	1.5439e+02	1.8226e-12	1.2212e+04	-4.8021e-10	3.2783e+04
	173	-1.5000e-11	-1.5439e+02	-1.8226e-12	-1.2212e+04	-4.6566e-10	1.6101e+04
506	174	1.1068e-11	8.7999e+01	5.7570e-12	-3.1136e+04	-5.2468e-10	5.1857e+03
	85	-1.1068e-11	-8.7999e+01	-5.7570e-12	3.1136e+04	-3.3392e-11	2.2982e+04
507	453	-7.3421e-12	9.9168e+01	-9.2010e-13	7.2301e+03	5.2164e-10	2.1193e+04
	174	7.3421e-12	-9.9168e+01	9.2010e-13	-7.2301e+03	-4.2100e-10	1.0937e+04
508	122	4.1077e-12	-5.2927e+02	2.7286e-12	-2.5119e+04	-1.1664e-10	-8.8533e+04
	461	-4.1077e-12	5.2927e+02	-2.7286e-12	2.5119e+04	-4.6573e-10	-8.3689e+04
509	475	1.4649e-13	1.4638e+03	-2.8711e-14	4.5323e+03	7.3470e-12	3.8635e+05
	471	-1.4649e-13	-1.4638e+03	2.8711e-14	-4.5323e+03	7.3587e-12	3.6537e+05
510	484	3.6896e-12	3.6359e+02	-1.8193e-12	1.3087e+04	6.0220e-11	2.4294e+04
	482	-3.6896e-12	-3.6359e+02	1.8193e-12	-1.3087e+04	1.1670e-10	1.9724e+04
511	486	-3.6685e-12	3.3145e+01	-1.3764e-15	5.6647e+03	-9.5689e-13	9.0402e+03
	484	3.6685e-12	-3.3145e+01	1.3764e-15	-5.6647e+03	1.1828e-12	9.5878e+03
512	161	1.0329e-13	4.8285e+02	2.8481e-14	7.7906e+03	3.6451e-12	2.5077e+04
	486	-1.0329e-13	-4.8285e+02	-2.8481e-14	-7.7906e+03	-1.4581e-11	3.2155e+04
513	483	1.8281e-11	4.2606e+01	-2.4143e-15	3.0564e+03	-9.7913e-13	1.1279e+04

	470	-1.8281e-11	-4.2606e+01	2.4143e-15	-3.0564e+03	1.0964e-11	1.0695e+04
514	490	5.8351e-11	1.5666e+03	1.5364e-13	9.3745e+03	-1.4703e-11	6.7249e+04
	488	-5.8351e-11	-1.5666e+03	-1.5364e-13	-9.3745e+03	-1.5510e-11	9.5000e+04
515	479	-1.4559e-11	1.1308e+02	1.1383e-13	-3.9329e+03	-2.0900e-12	1.0015e+04
	478	1.4559e-11	-1.1308e+02	-1.1383e-13	3.9329e+03	-9.3154e-13	1.5261e+04
516	475	-7.2763e-12	-1.2311e+02	5.9189e-15	-3.5327e+03	-7.5071e-12	-1.4343e+04
	474	7.2763e-12	1.2311e+02	-5.9189e-15	3.5327e+03	7.3595e-12	-1.3175e+04
517	483	-1.8457e-12	-5.0473e+01	-2.0974e-14	-6.5852e+03	-1.4649e-11	-4.6258e+03
	482	1.8457e-12	5.0473e+01	2.0974e-14	6.5852e+03	2.9141e-11	-9.2985e+03
518	488	-1.4552e-11	2.8020e+01	3.5038e-15	6.2185e+03	-4.0142e-12	4.1110e+03
	489	1.4552e-11	-2.8020e+01	-3.5038e-15	-6.2185e+03	3.8138e-12	2.3349e+03
519	497	1.1852e-10	9.5250e+03	-5.8664e-11	5.5907e+04	4.6579e-10	9.1199e+04
	498	-1.1852e-10	-9.5250e+03	5.8664e-11	-5.5907e+04	2.3493e-10	4.5215e+04
520	495	6.0204e-11	4.6865e+03	-3.0172e-11	-2.8824e+04	7.4268e-11	5.0621e+04
	499	-6.0204e-11	-4.6865e+03	3.0172e-11	2.8824e+04	2.5235e-10	2.5096e+04
521	503	-1.8905e-12	6.0128e+01	5.7366e-14	-2.8666e+03	-1.2415e-13	1.2467e+04
	504	1.8905e-12	-6.0128e+01	-5.7366e-14	2.8666e+03	-1.6324e-13	1.0526e+04
522	502	2.9359e-11	3.0291e+04	1.1643e-10	4.9632e+04	-2.3336e-10	1.8133e+05
	503	-2.9359e-11	-3.0291e+04	-1.1643e-10	-4.9632e+04	-4.6710e-10	4.6499e+05
523	501	-7.2919e-12	-3.6001e+02	-1.4239e-13	1.7258e+04	-1.7946e-12	-5.1286e+04
	502	7.2919e-12	3.6001e+02	1.4239e-13	-1.7258e+04	2.9155e-11	-3.2601e+04
524	500	-1.3632e-13	3.0431e+01	1.7335e-13	4.3110e+03	-1.3776e-11	7.9892e+03
	501	1.3632e-13	-3.0431e+01	-1.7335e-13	-4.3110e+03	-3.9776e-12	4.8685e+03
525	492	-1.1667e-10	1.1699e+04	-1.4899e-11	-9.2336e+04	2.4086e-10	1.6158e+05
	500	1.1667e-10	-1.1699e+04	1.4899e-11	9.2336e+04	2.4170e-10	1.0606e+05
526	493	-9.3315e-13	-3.4675e+01	3.9697e-15	-1.3335e+03	-3.7633e-12	-5.0464e+03
	492	9.3315e-13	3.4675e+01	-3.9697e-15	1.3335e+03	3.6486e-12	-9.3273e+03
527	489	-3.6482e-12	8.6339e+01	-1.2209e-15	3.1846e+03	7.2952e-12	2.2435e+04
	161	3.6482e-12	-8.6339e+01	1.2209e-15	-3.1846e+03	-3.6798e-12	2.0219e+04
528	167	5.8208e-11	1.6439e+01	1.0169e-12	-4.4606e+03	-6.6692e-11	4.9466e+03
	166	-5.8208e-11	-1.6439e+01	-1.0169e-12	4.4606e+03	-1.4581e-11	-1.8136e+03
529	129	1.7718e-10	-1.2514e+01	-9.1658e-13	-5.0112e+03	1.3037e-10	-4.0858e+03
	128	-1.7718e-10	1.2514e+01	9.1658e-13	5.0112e+03	1.3017e-10	2.0571e+03
530	77	-3.4577e-13	-1.3468e+01	-1.1398e-13	6.6853e+03	-6.6692e-11	-2.8683e+03
	76	3.4577e-13	1.3468e+01	1.1398e-13	-6.6853e+03	1.3036e-10	-2.9155e+02
531	82	6.5081e-11	1.1383e+01	1.0311e-12	5.1315e+03	-1.7763e-10	2.6448e+03
	83	-6.5081e-11	-1.1383e+01	-1.0311e-12	-5.1315e+03	-1.3097e-10	-3.7329e+02
532	114	-5.9434e-10	5.9473e+03	-7.0152e-10	-2.8938e+04	1.1644e-10	4.0431e+04
	107	5.9434e-10	-5.9473e+03	7.0152e-10	2.8938e+04	4.6578e-10	4.5715e+04
533	101	-2.6676e-10	-3.6665e+03	6.5080e-11	1.5842e+04	-1.4459e-09	-2.6439e+04
	108	2.6676e-10	3.6665e+03	-6.5080e-11	-1.5842e+04	9.7578e-10	-3.1103e+04
534	119	-1.5028e-11	8.3733e+00	5.7289e-14	3.6776e+03	1.6372e-11	1.1312e+03
	121	1.5028e-11	-8.3733e+00	-5.7289e-14	-3.6776e+03	-2.9162e-11	2.1097e+03
535	176	4.8005e-10	2.4890e+03	-1.1733e-10	1.3543e+05	5.6085e-09	-1.2386e+05
	119	-4.8005e-10	-2.4890e+03	1.1733e-10	-1.3543e+05	-4.6929e-09	1.7666e+05
536	95	1.4560e-11	2.4890e+03	6.4611e-13	8.2792e+03	8.1981e-13	2.3233e+05
	176	-1.4560e-11	-2.4890e+03	-6.4611e-13	-8.2792e+03	-2.3329e-10	1.8334e+05
537	96	3.2590e-11	-5.9186e+00	-2.9309e-13	-4.8224e+03	8.0121e-11	9.8411e+02
	95	-3.2590e-11	5.9186e+00	2.9309e-13	4.8224e+03	-7.3123e-11	-1.6790e+03
538	88	-1.7464e-10	-1.4232e+04	-4.6709e-10	-2.0920e+04	1.6831e-09	-1.7975e+05

	96	1.7464e-10	1.4232e+04	4.6709e-10	2.0920e+04	2.3341e-10	-1.2567e+05
539	89	-2.3009e-11	5.4552e+00	-1.3650e-13	3.6824e+03	3.6401e-12	1.4102e+03
	88	2.3009e-11	-5.4552e+00	1.3650e-13	-3.6824e+03	1.5001e-11	7.4673e+02
540	170	1.3038e-10	-3.1963e+01	4.6876e-13	-7.0636e+03	-1.6617e-10	9.9632e+02
	169	-1.3038e-10	3.1963e+01	-4.6876e-13	7.0636e+03	1.2001e-10	-7.6779e+03
541	163	1.3058e-10	2.7185e+01	-1.0440e-12	-7.7027e+03	1.1733e-10	-1.0658e+03
	162	-1.3058e-10	-2.7185e+01	1.0440e-12	7.7027e+03	1.2001e-10	6.7134e+03
542	79	5.8208e-11	1.4426e+01	3.4232e-13	7.9386e+03	7.3326e-12	-7.6381e+02
	78	-5.8208e-11	-1.4426e+01	-3.4232e-13	-7.9386e+03	-1.1642e-10	3.3381e+03
543	84	5.8663e-11	-1.2565e+01	9.4189e-13	5.9849e+03	-5.8697e-11	8.2287e+02
	85	-5.8663e-11	1.2565e+01	-9.4189e-13	-5.9849e+03	-5.8337e-11	-3.0913e+03
544	116	-1.4407e+02	1.6296e+03	-2.5864e+02	1.0669e+04	1.6760e+04	1.7007e+04
	109	1.4407e+02	-1.6296e+03	2.5864e+02	-1.0669e+04	-1.3148e+04	6.9338e+03
545	103	1.6849e+02	1.0847e+03	-2.7658e+02	5.8791e+03	1.6885e+04	1.3905e+04
	110	-1.6849e+02	-1.0847e+03	2.7658e+02	-5.8791e+03	-1.3020e+04	8.0333e+03
546	122	1.0232e-12	-5.1316e+00	2.3492e-13	1.8887e+03	6.6739e-11	-1.4452e+03
	123	-1.0232e-12	5.1316e+00	-2.3492e-13	-1.8887e+03	-9.2737e-11	-8.9880e+02
547	175	7.1298e-10	2.2412e+03	1.6723e-10	1.1949e+05	-3.7344e-09	-1.1033e+05
	122	-7.1298e-10	-2.2412e+03	-1.6723e-10	-1.1949e+05	1.8745e-09	1.5786e+05
548	97	1.8386e-12	2.2412e+03	-1.0174e-12	6.6635e+03	2.4038e-10	2.1184e+05
	175	-1.8386e-12	-2.2412e+03	1.0174e-12	-6.6635e+03	-2.3285e-10	1.6250e+05
549	98	-1.4581e-11	-1.0016e+01	-1.6060e-12	-4.6105e+03	1.9655e-10	-8.7748e+02
	97	1.4581e-11	1.0016e+01	1.6060e-12	4.6105e+03	1.7476e-10	-2.4080e+03
550	90	-4.8027e-10	-7.4624e+03	1.5002e-11	-4.7088e+04	-2.7947e-09	-1.2790e+05
	98	4.8027e-10	7.4624e+03	-1.5002e-11	4.7088e+04	1.5027e-11	-5.8825e+04
551	92	-1.5036e-11	4.7877e+00	2.5789e-13	3.8612e+03	-1.5034e-11	1.3014e+03
	90	1.5036e-11	-4.7877e+00	-2.5789e-13	-3.8612e+03	-2.0670e-11	6.4950e+02
552	429	9.9240e-12	2.1615e+02	2.8477e-14	-1.1896e+05	1.1665e-10	3.0496e+04
	442	-9.9240e-12	-2.1615e+02	-2.8477e-14	1.1896e+05	-1.1693e-10	4.4529e+04
553	435	1.8647e-11	4.3702e+02	2.8602e-14	-2.9036e+03	1.0916e-11	4.0438e+04
	429	-1.8647e-11	-4.3702e+02	-2.8602e-14	2.9036e+03	-1.1693e-10	1.1414e+05
554	458	9.1742e-12	1.9708e+03	-4.5480e-13	9.3493e+04	2.9104e-11	3.2953e+05
	435	-9.1742e-12	-1.9708e+03	4.5480e-13	-9.3493e+04	1.2029e-10	2.9725e+05
555	467	1.4068e-11	-6.7195e+02	-4.5918e-13	-4.7457e+04	1.8004e-10	-2.6214e+04
	458	-1.4068e-11	6.7195e+02	4.5918e-13	4.7457e+04	-1.2002e-10	-1.9616e+05
556	449	1.0637e-11	-8.8410e+02	-9.1149e-13	-3.8268e+04	1.6755e-10	-1.5278e+05
	467	-1.0637e-11	8.8410e+02	9.1149e-13	3.8268e+04	8.8595e-11	-1.3531e+05
557	447	5.0992e-12	3.1133e+02	1.5913e-14	3.0311e+04	-1.7703e-10	4.9544e+04
	449	-5.0992e-12	-3.1133e+02	-1.5913e-14	-3.0311e+04	3.0055e-11	5.9839e+04
558	445	1.5523e-11	2.9057e+02	-4.5917e-13	-2.7942e+04	3.6814e-10	4.8197e+04
	447	-1.5523e-11	-2.9057e+02	4.5917e-13	2.7942e+04	-3.4933e-10	4.2837e+04
559	456	-1.7722e-11	-1.9764e+02	1.8761e-12	2.2425e+04	-2.6092e-10	-3.2830e+04
	445	1.7722e-11	1.9764e+02	-1.8761e-12	-2.2425e+04	-2.6214e-10	-2.9251e+04
560	452	2.9346e-11	-3.9364e+02	-1.8786e-12	1.6324e+04	2.3331e-10	-5.3423e+04
	453	-2.9346e-11	3.9364e+02	1.8786e-12	-1.6324e+04	4.6931e-10	-7.2462e+04
561	90	6.6788e-11	-3.7678e+03	-1.8907e-12	5.3343e+04	-2.6348e-10	-3.3296e+05
	452	-6.6788e-11	3.7678e+03	1.8907e-12	-5.3343e+04	8.3519e-10	-3.0634e+05
562	424	4.2631e-11	-2.9728e+02	2.5856e-12	4.8698e+04	-5.2068e-10	-5.0485e+04
	169	-4.2631e-11	2.9728e+02	-2.5856e-12	-4.8698e+04	-5.2068e-10	-4.5086e+04
563	461	4.1331e-11	-2.7252e+02	-3.7522e-12	-4.0872e+03	2.6041e-10	-4.4632e+04

	424	-4.1331e-11	2.7252e+02	3.7522e-12	4.0872e+03	7.0910e-10	-4.2164e+04
572	420	3.0003e-11	2.6989e+02	5.6954e-14	4.5078e+04	-4.6589e-10	4.6175e+04
	162	-3.0003e-11	-2.6989e+02	-5.6954e-14	-4.5078e+04	2.3329e-10	4.0416e+04
573	436	-7.5014e-12	1.7177e+02	-1.8199e-12	1.3805e+04	7.4999e-12	2.6462e+04
	420	7.5014e-12	-1.7177e+02	1.8199e-12	-1.3805e+04	4.6572e-10	2.8176e+04
574	431	1.4552e-11	1.3891e+02	1.0252e-12	2.7784e+04	2.3487e-10	2.1745e+04
	436	-1.4552e-11	-1.3891e+02	-1.0252e-12	-2.7784e+04	-3.7000e-10	2.2440e+04
575	440	2.8422e-14	-2.1988e+02	9.2579e-13	-1.8189e+04	5.9231e-11	-3.4265e+04
	431	-2.8422e-14	2.1988e+02	-9.2579e-13	1.8189e+04	-3.2153e-10	-3.5670e+04
576	422	2.9107e-11	1.7097e+02	-3.4110e-12	5.0277e+03	2.9136e-10	2.8585e+04
	440	-2.9107e-11	-1.7097e+02	3.4110e-12	-5.0277e+03	2.4083e-10	2.6983e+04
577	416	-2.3822e-13	7.9409e+01	4.5490e-12	2.7396e+04	-3.5410e-10	8.4003e+03
	422	2.3822e-13	-7.9409e+01	-4.5490e-12	-2.7396e+04	-3.4955e-10	1.6957e+04
578	426	-2.9335e-11	-5.8676e+01	3.6398e-12	-8.0360e+03	-4.6624e-10	-1.2936e+04
	416	2.9335e-11	5.8676e+01	-3.6398e-12	8.0360e+03	-4.8115e-10	-5.7514e+03
579	78	3.2552e-11	6.0271e+01	-1.8332e-12	-4.1729e+04	2.3330e-10	1.3877e+04
	426	-3.2552e-11	-6.0271e+01	1.8332e-12	4.1729e+04	5.2165e-10	6.2206e+03
588	174	-2.9161e-11	1.7909e+02	1.3026e-13	4.4709e+03	-8.9720e-11	4.4042e+04
	445	2.9161e-11	-1.7909e+02	-1.3026e-13	-4.4709e+03	6.6837e-11	4.8911e+04
589	432	-1.3102e-10	2.2582e+02	-3.6668e-12	1.4425e+04	4.8115e-10	5.1176e+04
	174	1.3102e-10	-2.2582e+02	3.6668e-12	-1.4425e+04	2.4230e-10	-7.5897e+03
590	439	5.8242e-11	9.2709e+03	3.6663e-12	-1.9864e+04	-5.8249e-10	4.0323e+05
	122	-5.8242e-11	-9.2709e+03	-3.6663e-12	1.9864e+04	-5.2154e-10	1.2529e+06
591	115	3.6404e-11	-1.2973e+03	1.8281e-11	1.2428e+04	-9.6058e-10	-7.6625e+04
	123	-3.6404e-11	1.2973e+03	-1.8281e-11	-1.2428e+04	-3.3193e-10	-1.1696e+05
592	104	3.2775e-11	-7.9957e+02	-1.0800e-12	1.3075e+04	1.1656e-09	-1.0603e+05
	115	-3.2775e-11	7.9957e+02	1.0800e-12	-1.3075e+04	-4.6683e-10	-4.3737e+04
593	92	-3.3394e-11	2.7182e+03	2.6106e-12	-7.3335e+03	-1.6599e-09	2.0976e+05
	104	3.3394e-11	-2.7182e+03	-2.6106e-12	7.3335e+03	8.3637e-10	1.9227e+05
594	104	-1.3849e-10	3.6342e+03	-3.2827e-12	-4.8547e+04	1.8781e-10	3.8952e+05
	467	1.3849e-10	-3.6342e+03	3.2827e-12	4.8547e+04	7.3807e-11	2.2208e+05
595	123	-1.7468e-10	7.8640e+03	-4.9895e-12	3.2589e+04	1.8657e-10	7.4804e+05
	458	1.7468e-10	-7.8640e+03	4.9895e-12	-3.2589e+04	2.6209e-10	4.4867e+05
596	424	5.8208e-11	4.7125e+02	5.6908e-14	1.1054e+04	3.3796e-11	1.3025e+05
	429	-5.8208e-11	-4.7125e+02	-5.6908e-14	-1.1054e+04	-5.8364e-11	1.1433e+05
598	461	2.9161e-11	3.6993e+02	-1.1725e-13	2.0832e+04	3.6440e-11	1.0453e+05
	435	-2.9161e-11	-3.6993e+02	1.1725e-13	-2.0832e+04	2.9395e-11	8.7477e+04
599	459	-5.8209e-11	1.2390e+03	-4.6985e-13	1.0252e+04	2.6075e-10	1.1972e+05
	461	5.8209e-11	-1.2390e+03	4.6985e-13	-1.0252e+04	-2.3284e-10	1.2004e+05
600	452	-1.6323e-11	2.1509e+02	-3.8393e-13	-1.0548e+04	1.2598e-10	6.1944e+04
	449	1.6323e-11	-2.1509e+02	3.8393e-13	1.0548e+04	1.2022e-10	4.9698e+04
601	423	1.4557e-10	1.4876e+03	-8.3490e-12	1.9036e+04	4.8111e-10	1.4100e+05
	452	-1.4557e-10	-1.4876e+03	8.3490e-12	-1.9036e+04	1.8750e-12	1.4689e+05
602	456	-2.5461e-13	1.5096e+03	4.0365e-14	1.4251e+04	-3.6678e-12	3.2639e+05
	78	2.5461e-13	-1.5096e+03	-4.0365e-14	-1.4251e+04	-1.0331e-11	4.9946e+05
603	85	1.4585e-10	1.5519e+03	-1.1774e-13	1.4575e+04	2.9566e-11	4.7956e+05
	456	-1.4585e-10	-1.5519e+03	1.1774e-13	-1.4575e+04	4.1555e-11	2.8722e+05
604	442	-1.3039e-10	2.7324e+03	6.5226e-14	1.6766e+04	-1.8791e-12	4.0573e+05
	162	1.3039e-10	-2.7324e+03	-6.5226e-14	-1.6766e+04	-5.4609e-12	1.0617e+06
605	169	-1.7477e-10	3.2907e+03	2.9804e-14	2.0444e+04	-3.0886e-11	1.1770e+06

	442	1.7477e-10	-3.2907e+03	-2.9804e-14	-2.0444e+04	1.4588e-11	4.8171e+05
606	420	-2.3309e-10	1.5615e+03	-4.6284e-13	-2.4641e+04	-2.3331e-10	1.3717e+05
	419	2.3309e-10	-1.5615e+03	4.6284e-13	2.4641e+04	2.4061e-10	1.6500e+05
607	429	-1.8225e-12	4.4471e+02	-1.3205e-13	-5.3403e+03	3.6398e-11	1.1362e+05
	420	1.8225e-12	-4.4471e+02	1.3205e-13	5.3403e+03	4.6191e-11	1.3186e+05
608	436	1.1671e-10	1.4839e+03	1.3645e-12	-6.7984e+03	5.2592e-10	1.3300e+05
	443	-1.1671e-10	-1.4839e+03	-1.3645e-12	6.7984e+03	-6.9926e-10	1.5413e+05
609	435	-3.3048e-11	4.2606e+02	2.3442e-13	-5.1186e+03	-2.9109e-11	1.1418e+05
	436	3.3048e-11	-4.2606e+02	-2.3442e-13	5.1186e+03	-3.4333e-11	1.2101e+05
610	431	1.7471e-10	1.7143e+03	-2.0472e-12	7.1085e+03	4.4410e-11	8.0190e+04
	417	-1.7471e-10	-1.7143e+03	2.0472e-12	-7.1085e+03	2.9130e-11	2.5284e+05
611	458	1.1734e-10	9.8339e+02	-2.8748e-14	-6.6230e+03	-2.0590e-11	1.8455e+05
	431	-1.1734e-10	-9.8339e+02	2.8748e-14	6.6230e+03	2.4415e-11	3.5889e+05
612	440	3.4782e-11	1.2126e+03	-9.1023e-13	4.4376e+03	-2.4045e-10	1.0808e+05
	438	-3.4782e-11	-1.2126e+03	9.1023e-13	-4.4376e+03	2.4099e-10	1.2657e+05
613	467	3.6436e-11	3.4856e+02	1.7900e-13	1.0890e+04	-4.1320e-11	8.5481e+04
	440	-3.6436e-11	-3.4856e+02	-1.7900e-13	-1.0890e+04	-9.0966e-12	1.0697e+05
614	422	1.5246e-11	1.2206e+03	-3.7501e-12	-2.2518e+03	1.6295e-11	1.0534e+05
	448	-1.5246e-11	-1.2206e+03	3.7501e-12	2.2518e+03	2.4047e-10	1.3121e+05
615	449	1.4647e-11	3.3968e+02	1.3031e-13	9.6808e+03	-1.0596e-10	9.3812e+04
	422	-1.4647e-11	-3.3968e+02	-1.3031e-13	-9.6808e+03	1.0144e-10	9.3694e+04
616	426	2.4025e-10	2.7738e+02	8.3359e-12	1.3710e+04	-1.1745e-10	-1.1673e+04
	433	-2.4025e-10	-2.7738e+02	-8.3359e-12	-1.3710e+04	-1.1732e-10	6.4862e+04
617	445	-4.0753e-12	1.8667e+02	6.4005e-14	6.9884e+03	-9.4623e-11	5.8237e+04
	426	4.0753e-12	-1.8667e+02	-6.4005e-14	-6.9884e+03	7.8410e-11	4.4887e+04
618	416	-2.3298e-10	5.7962e+02	-2.5737e-12	1.6351e+04	2.3466e-10	-1.1339e+05
	434	2.3298e-10	-5.7962e+02	2.5737e-12	-1.6351e+04	2.6194e-10	2.2494e+05
619	447	-6.0116e-11	6.0612e+02	-4.2642e-14	5.9570e+03	1.6702e-11	1.8655e+05
	416	6.0116e-11	-6.0612e+02	4.2642e-14	-5.9570e+03	1.6517e-11	1.4812e+05
620	453	6.0013e-11	8.1575e+02	-1.3526e-13	-1.0342e+04	9.7989e-12	2.5378e+05
	447	-6.0013e-11	-8.1575e+02	1.3526e-13	1.0342e+04	1.7167e-11	1.6977e+05
621	468	-5.8801e-11	5.6844e+02	1.9435e-12	-4.4907e+03	3.2994e-10	1.3558e+05
	453	5.8801e-11	-5.6844e+02	-1.9435e-12	4.4907e+03	-5.2397e-10	-4.4683e+04
622	364	1.1067e-11	4.2775e+02	-9.0951e-13	-1.2370e+05	2.3295e-10	5.9289e+04
	363	-1.1067e-11	-4.2775e+02	9.0951e-13	1.2370e+05	1.0168e-12	7.7281e+04
623	382	-1.1739e-11	9.0646e+02	-2.3444e-13	-7.3388e+03	-1.1642e-10	1.1752e+05
	364	1.1739e-11	-9.0646e+02	2.3444e-13	7.3388e+03	3.4925e-10	1.7254e+05
624	339	1.3118e-11	2.4194e+03	-3.4228e-13	9.8265e+04	1.2005e-10	3.8693e+05
	382	-1.3118e-11	-2.4194e+03	3.4228e-13	-9.8265e+04	-3.2749e-11	3.8249e+05
625	334	-8.6578e-12	-6.6105e+02	-1.2891e-13	-4.6183e+04	-1.8440e-12	-4.5087e+04
	339	8.6578e-12	6.6105e+02	1.2891e-13	4.6183e+04	8.0124e-11	-1.7513e+05
626	378	-1.4303e-11	-1.1259e+03	-7.2429e-15	-2.7282e+04	6.6394e-11	-1.9222e+05
	334	1.4303e-11	1.1259e+03	7.2429e-15	2.7282e+04	-6.2193e-11	-1.7388e+05
627	384	-6.7613e-12	-5.4771e+02	-9.0949e-13	3.8384e+04	1.1738e-10	-8.8722e+04
	378	6.7613e-12	5.4771e+02	9.0949e-13	-3.8384e+04	6.5182e-11	-8.8371e+04
628	362	4.9098e-12	5.1418e+02	-2.2738e-13	-3.3070e+04	3.0074e-11	8.2472e+04
	384	-4.9098e-12	-5.1418e+02	2.2738e-13	3.3070e+04	6.0041e-11	7.8555e+04
629	347	1.2190e-11	-3.6684e+02	-9.0950e-13	2.1534e+04	1.6721e-10	-5.7989e+04
	362	-1.2190e-11	3.6684e+02	9.0950e-13	-2.1534e+04	1.3097e-10	-5.6331e+04
630	338	-1.6270e-11	-5.9050e+02	4.0943e-15	1.7591e+04	2.3329e-10	-8.8915e+04

	350	1.6270e-11	5.9050e+02	-4.0943e-15	-1.7591e+04	-2.4099e-10	-9.9217e+04
631	88	7.2822e-12	-4.7335e+03	9.1413e-12	4.6747e+04	-4.6657e-10	-4.0887e+05
	338	-7.2822e-12	4.7335e+03	-9.1413e-12	-4.6747e+04	-1.1873e-09	-3.9425e+05
632	356	3.2745e-11	-3.3476e+02	-3.7517e-12	3.5051e+04	2.6196e-10	-5.5412e+04
	166	-3.2745e-11	3.3476e+02	3.7517e-12	-3.5051e+04	1.2003e-10	-5.2082e+04
633	348	-4.1320e-11	-3.5598e+02	-5.4759e-12	-6.4364e+03	2.6075e-10	-5.6641e+04
	356	4.1320e-11	3.5598e+02	5.4759e-12	6.4364e+03	2.0870e-12	-5.6569e+04
634	119	-7.2764e-12	-5.7972e+02	7.9565e-15	-1.5701e+04	1.0481e-12	-9.4903e+04
	348	7.2764e-12	5.7972e+02	-7.9565e-15	1.5701e+04	-3.4925e-10	-9.3708e+04
643	381	-2.4117e-13	2.8629e+02	3.7517e-12	3.6610e+04	-4.6566e-10	4.8732e+04
	128	2.4117e-13	-2.8629e+02	-3.7517e-12	-3.6610e+04	-4.6567e-10	4.3151e+04
644	376	-3.0000e-11	2.4011e+02	4.5702e-12	1.3633e+04	-2.3283e-10	3.7617e+04
	381	3.0000e-11	-2.4011e+02	-4.5702e-12	-1.3633e+04	-4.6566e-10	3.8744e+04
645	373	2.9330e-11	2.1459e+02	9.0950e-13	2.8160e+04	-2.3283e-10	3.4003e+04
	376	-2.9330e-11	-2.1459e+02	-9.0950e-13	-2.8160e+04	-1.1642e-10	3.4237e+04
646	361	-1.1369e-13	-3.0927e+02	-4.6882e-13	-1.6706e+04	-4.0745e-10	-4.8851e+04
	373	1.1369e-13	3.0927e+02	4.6882e-13	1.6706e+04	4.3753e-10	-4.9498e+04
647	375	-4.3086e-11	2.5098e+02	-1.8199e-12	6.5589e+03	6.5311e-11	4.1017e+04
	361	4.3086e-11	-2.5098e+02	1.8199e-12	-6.5589e+03	5.8664e-11	4.0551e+04
648	369	-1.0914e-11	-1.5729e+02	9.0965e-13	4.0842e+04	2.4012e-10	-1.9127e+04
	375	1.0914e-11	1.5729e+02	-9.0965e-13	-4.0842e+04	-6.9849e-10	-3.1027e+04
649	388	1.8191e-11	5.0718e+01	-1.1935e-13	-6.2012e+03	9.3869e-10	1.1913e+04
	369	-1.8191e-11	-5.0718e+01	1.1935e-13	6.2012e+03	-4.6566e-10	5.4427e+03
650	76	-3.2540e-11	8.8200e+01	-2.0465e-12	-4.7303e+04	2.3283e-10	1.9869e+04
	388	3.2540e-11	-8.8200e+01	2.0465e-12	4.7303e+04	2.6031e-10	8.3342e+03
659	173	1.4553e-11	2.4016e+02	1.3198e-13	4.8256e+03	-2.5791e-11	5.2823e+04
	362	-1.4553e-11	-2.4016e+02	-1.3198e-13	-4.8256e+03	-3.2755e-11	7.1827e+04
660	353	-2.6049e-13	3.1480e+02	5.1449e-12	-2.2528e+04	-2.4867e-10	6.7817e+04
	173	2.6049e-13	-3.1480e+02	-5.1449e-12	2.2528e+04	-8.7317e-11	-7.1225e+03
661	355	1.4556e-11	1.2831e+04	-4.5574e-13	-1.7746e+04	-1.3734e-10	7.3516e+05
	119	-1.4556e-11	-1.2831e+04	4.5574e-13	1.7746e+04	2.6398e-10	1.5569e+06
662	113	1.7162e-11	-1.5822e+03	-3.6382e-12	9.9376e+03	9.3857e-10	-1.0211e+05
	121	-1.7162e-11	1.5822e+03	3.6382e-12	-9.9376e+03	-8.1698e-10	-1.3214e+05
663	102	-1.5008e-11	-7.7760e+02	5.0077e-12	1.0532e+04	-4.6663e-10	-9.2076e+04
	113	1.5008e-11	7.7760e+02	-5.0077e-12	-1.0532e+04	-7.5740e-10	-4.7358e+04
664	89	1.7162e-11	2.9166e+03	8.3883e-12	-6.8051e+03	-9.3242e-10	2.2964e+05
	102	-1.7162e-11	-2.9166e+03	-8.3883e-12	6.8051e+03	-4.8088e-10	2.0167e+05
665	102	4.9503e-11	4.6003e+03	-1.1142e-12	-3.1734e+04	-2.1039e-10	4.3985e+05
	334	-4.9503e-11	-4.6003e+03	1.1142e-12	3.1734e+04	3.6822e-10	3.3415e+05
666	121	-5.8208e-11	8.8680e+03	-1.0173e-12	2.6732e+04	1.2088e-10	7.8300e+05
	339	5.8208e-11	-8.8680e+03	1.0173e-12	-2.6732e+04	1.1109e-10	5.6640e+05
667	356	-5.9999e-11	7.8348e+02	2.4120e-13	1.3633e+04	-2.9332e-11	2.0677e+05
	364	5.9999e-11	-7.8348e+02	-2.4120e-13	-1.3633e+04	-5.9225e-11	1.9985e+05
668	367	5.6843e-14	2.4282e+03	-9.0952e-13	-1.6216e+04	-2.9390e-11	2.4698e+05
	356	-5.6843e-14	-2.4282e+03	9.0952e-13	1.6216e+04	5.2393e-10	2.2289e+05
669	348	-6.0110e-11	5.6185e+02	-1.3025e-13	1.7226e+04	1.0926e-11	1.4835e+05
	382	6.0110e-11	-5.6185e+02	1.3025e-13	-1.7226e+04	3.3344e-11	1.4326e+05
670	349	5.8211e-11	2.2362e+03	1.8751e-12	8.6080e+03	-2.3466e-10	2.1865e+05
	348	-5.8211e-11	-2.2362e+03	-1.8751e-12	-8.6080e+03	-2.3466e-10	2.1406e+05
671	338	-4.4267e-11	4.0374e+02	2.8457e-13	-7.8584e+03	-4.6168e-11	1.0603e+05

	378	4.4267e-11	-4.0374e+02	-2.8457e-13	7.8584e+03	-6.8649e-11	1.0351e+05
672	368	-2.0428e-10	2.3755e+03	-7.3329e-12	1.1624e+04	5.8323e-11	2.3160e+05
	338	2.0428e-10	-2.3755e+03	7.3329e-12	-1.1624e+04	1.0559e-09	2.2809e+05
673	347	6.5487e-11	1.9601e+03	3.1976e-14	1.5395e+04	-3.7526e-12	4.8071e+05
	76	-6.5487e-11	-1.9601e+03	-3.1976e-14	-1.5395e+04	-5.4766e-12	5.9147e+05
674	83	-3.0001e-11	2.0961e+03	-1.2717e-13	-1.7318e+04	2.3030e-11	5.7876e+05
	347	3.0001e-11	-2.0961e+03	1.2717e-13	1.7318e+04	3.0222e-11	4.5674e+05
675	363	4.5563e-13	3.6658e+03	7.1080e-15	1.9208e+04	2.7296e-12	7.0980e+05
	128	-4.5563e-13	-3.6658e+03	-7.1080e-15	-1.9208e+04	-6.6224e-12	1.2588e+06
676	166	5.8208e-11	4.3874e+03	-6.2051e-14	2.2325e+04	2.0600e-11	1.3980e+06
	363	-5.8208e-11	-4.3874e+03	6.2051e-14	-2.2325e+04	1.6297e-11	8.1336e+05
677	381	-1.1642e-10	2.5438e+03	3.6381e-12	-1.6656e+04	1.0417e-09	2.3499e+05
	380	1.1642e-10	-2.5438e+03	-3.6381e-12	1.6656e+04	-1.0610e-09	2.5724e+05
678	364	-5.8209e-11	6.9643e+02	2.8439e-14	-7.8315e+03	-6.5989e-11	1.8965e+05
	381	5.8209e-11	-6.9643e+02	-2.8439e-14	7.8315e+03	4.6056e-11	1.9478e+05
679	376	5.8322e-11	2.6204e+03	-1.3643e-12	-4.9140e+03	2.9111e-11	2.4003e+05
	370	-5.8322e-11	-2.6204e+03	1.3643e-12	4.9140e+03	2.9115e-11	2.6703e+05
680	382	-1.7112e-13	7.6427e+02	-2.5464e-13	-5.6930e+03	7.1292e-11	2.1273e+05
	376	1.7112e-13	-7.6427e+02	2.5464e-13	5.6930e+03	9.7643e-11	2.0915e+05
681	373	-5.8209e-11	2.1251e+03	7.1054e-15	3.9636e+03	-8.7395e-11	1.6543e+05
	383	5.8209e-11	-2.1251e+03	-7.1054e-15	-3.9636e+03	4.1926e-12	2.4578e+05
682	339	-2.9118e-11	1.8758e+03	-7.1100e-15	-7.4227e+03	1.7472e-11	4.5199e+05
	373	2.9118e-11	-1.8758e+03	7.1100e-15	7.4227e+03	-1.0999e-11	5.8353e+05
683	361	6.4230e-11	2.2190e+03	-4.0676e-12	3.8952e+03	9.3858e-10	2.0215e+05
	371	-6.4230e-11	-2.2190e+03	4.0676e-12	-3.8952e+03	-4.6659e-10	2.2724e+05
684	334	-4.2638e-11	6.3363e+02	-7.1055e-14	1.5820e+04	2.5037e-10	1.6651e+05
	361	4.2638e-11	-6.3363e+02	7.1055e-14	-1.5820e+04	-2.2796e-10	1.8327e+05
685	375	-8.8535e-11	2.0757e+03	-2.5725e-12	3.2993e+03	-1.7463e-10	1.8727e+05
	354	8.8535e-11	-2.0757e+03	2.5725e-12	-3.2993e+03	-8.7350e-11	2.1496e+05
686	378	-1.6372e-11	5.8226e+02	-3.9076e-13	1.3816e+04	6.8644e-11	1.6317e+05
	375	1.6372e-11	-5.8226e+02	3.9076e-13	-1.3816e+04	4.7753e-11	1.5824e+05
687	388	3.5414e-10	3.7955e+02	-1.8191e-12	-1.8124e+04	1.0478e-09	-2.6050e+04
	386	-3.5414e-10	-3.7955e+02	1.8191e-12	1.8124e+04	-5.8323e-11	9.8988e+04
688	362	-6.5180e-11	3.0451e+02	-1.6634e-13	1.0496e+04	2.4963e-10	1.0160e+05
	388	6.5180e-11	-3.0451e+02	1.6634e-13	-1.0496e+04	-1.5712e-10	6.6540e+04
689	369	-2.9107e-11	9.9237e+02	-1.8332e-12	2.7530e+04	1.3338e-10	-1.5639e+05
	385	2.9107e-11	-9.9237e+02	1.8332e-12	-2.7530e+04	1.3017e-10	3.4783e+05
690	384	-1.2790e-13	9.1460e+02	3.3518e-14	6.8588e+03	-4.6054e-11	3.0210e+05
	369	1.2790e-13	-9.1460e+02	-3.3518e-14	-6.8588e+03	2.6251e-11	2.0279e+05
691	350	2.6049e-13	1.2213e+03	2.9299e-14	1.3983e+04	8.5806e-12	3.3759e+05
	384	-2.6049e-13	-1.2213e+03	-2.9299e-14	-1.3983e+04	-1.5542e-11	2.9635e+05
692	352	6.5079e-11	1.6848e+03	-1.1409e-13	-2.9644e+03	-1.6530e-10	2.5067e+05
	350	-6.5079e-11	-1.6848e+03	1.1409e-13	2.9644e+03	2.6073e-10	7.9089e+04
693	172	-7.5001e-12	3.7136e+02	1.1385e-13	1.1689e+04	-1.4501e-12	9.7173e+04
	141	7.5001e-12	-3.7136e+02	-1.1385e-13	-1.1689e+04	-2.4767e-12	9.5610e+04
694	130	-2.3417e-12	-3.2178e+02	-1.8345e-12	1.7084e+04	6.0897e-12	-4.8674e+03
	172	2.3417e-12	3.2178e+02	1.8345e-12	-1.7084e+04	6.8590e-12	-6.1857e+04
695	171	1.3780e+03	-9.1531e+02	-2.3218e+02	-8.1315e+03	4.3278e+04	-1.9186e+05
	172	-1.3780e+03	9.1531e+02	2.3218e+02	8.1315e+03	3.3348e+04	-1.1020e+05
696	134	-2.1918e-11	4.3279e+03	1.8762e-12	1.4517e+04	-2.3296e-10	2.5606e+05

	503	2.1918e-11	-4.3279e+03	-1.8762e-12	-1.4517e+04	-2.3295e-10	5.1802e+05
697	496	-9.4247e-13	-1.2794e+03	1.1465e-12	8.7386e+03	-5.9200e-11	-7.5844e+04
	504	9.4247e-13	1.2794e+03	-1.1465e-12	-8.7386e+03	-1.5060e-11	-1.1398e+05
698	494	-3.7935e-12	-6.1769e+02	8.8061e-14	8.4808e+03	2.0038e-11	-7.8454e+04
	496	3.7935e-12	6.1769e+02	-8.8061e-14	-8.4808e+03	-4.0599e-11	-3.4534e+04
699	493	-7.3454e-12	1.2303e+03	-1.1724e-12	3.2915e+03	5.3858e-11	9.4729e+04
	494	7.3454e-12	-1.2303e+03	1.1724e-12	-3.2915e+03	1.2429e-10	8.7286e+04
700	494	1.1498e-11	3.7332e+03	2.3540e-13	-1.1004e+04	-1.6948e-12	3.6207e+05
	144	-1.1498e-11	-3.7332e+03	-2.3540e-13	1.1004e+04	-1.4732e-11	2.6604e+05
701	504	-2.5509e-11	8.1604e+03	-2.2841e-13	9.1085e+03	2.0626e-12	7.0293e+05
	145	2.5509e-11	-8.1604e+03	2.2841e-13	-9.1085e+03	1.4728e-12	5.3877e+05
702	137	-1.8760e-12	9.8311e+02	2.3456e-13	1.5807e+04	-1.4649e-11	2.5671e+05
	147	1.8760e-12	-9.8311e+02	-2.3456e-13	-1.5807e+04	-1.6878e-12	2.5353e+05
703	136	-1.4635e-11	1.7797e+03	2.3989e-13	-5.9795e+03	1.1665e-10	1.5616e+05
	137	1.4635e-11	-1.7797e+03	-2.3989e-13	5.9795e+03	-1.2008e-10	1.8836e+05
704	138	4.0835e-12	6.9563e+02	5.5799e-15	1.5236e+04	2.8298e-12	1.8373e+05
	146	-4.0835e-12	-6.9563e+02	-5.5799e-15	-1.5236e+04	-4.1524e-12	1.7731e+05
705	135	-1.4673e-11	1.5724e+03	-1.8342e-12	6.8115e+03	1.1671e-10	1.2750e+05
	138	1.4673e-11	-1.5724e+03	1.8342e-12	-6.8115e+03	4.5379e-12	1.7688e+05
706	140	1.2750e-11	4.2226e+02	-4.1716e-15	-2.1024e+03	-1.1890e-12	1.1411e+05
	143	-1.2750e-11	-4.2226e+02	4.1716e-15	2.1024e+03	2.7377e-12	1.0505e+05
707	132	1.4610e-11	1.1681e+03	-2.7148e-14	2.9005e+04	-8.1641e-12	1.0701e+05
	140	-1.4610e-11	-1.1681e+03	2.7148e-14	-2.9005e+04	1.1651e-10	1.1904e+05
708	161	3.7587e-12	1.3954e+02	9.0941e-15	9.1224e+03	-4.5642e-12	3.6602e+04
	482	-3.7587e-12	-1.3954e+02	-9.0941e-15	-9.1224e+03	-4.5776e-12	3.9743e+04
709	579	5.8352e-11	1.2393e+03	1.8232e-12	-1.4367e+04	-2.8814e-12	3.8122e+04
	161	-5.8352e-11	-1.2393e+03	-1.8232e-12	1.4367e+04	-6.2306e-12	5.7972e+04
710	25	-8.7507e-11	1.7847e+04	-2.6645e-14	-2.1543e+04	5.8868e-12	7.2524e+05
	479	8.7507e-11	-1.7847e+04	2.6645e-14	2.1543e+04	-6.4562e-13	1.1221e+06
711	148	2.5826e-13	9.6355e+02	9.8565e-15	8.4724e+03	-2.7396e-12	2.4396e+05
	474	-2.5826e-13	-9.6355e+02	-9.8565e-15	-8.4724e+03	-3.2171e-12	2.7349e+05
712	478	-7.5011e-12	1.1802e+03	1.4820e-14	9.9230e+03	-5.1821e-13	3.1299e+05
	148	7.5011e-12	-1.1802e+03	-1.4820e-14	-9.9230e+03	-3.1858e-13	2.8185e+05
713	156	-2.9350e-11	2.0110e+03	-1.3778e-13	-4.7427e+03	-1.1800e-10	2.2851e+05
	160	2.9350e-11	-2.0110e+03	1.3778e-13	4.7427e+03	1.2027e-10	1.6066e+05
714	147	7.3327e-12	8.5105e+02	-2.6118e-14	1.3220e+04	7.3741e-12	2.3504e+05
	156	-7.3327e-12	-8.5105e+02	2.6118e-14	-1.3220e+04	7.3766e-12	2.3474e+05
715	155	5.4996e-12	2.2787e+03	1.0049e-13	9.8562e+03	1.1779e-10	2.4556e+05
	159	-5.4996e-12	-2.2787e+03	-1.0049e-13	-9.8562e+03	-2.3470e-10	1.9539e+05
716	146	1.8216e-11	8.1377e+02	1.4500e-14	1.1915e+04	1.4706e-11	2.2874e+05
	155	-1.8216e-11	-8.1377e+02	-1.4500e-14	-1.1915e+04	-1.4747e-11	2.2046e+05
717	154	1.4580e-11	2.5264e+03	-1.3211e-13	8.1313e+03	1.2072e-10	2.6412e+05
	158	-1.4580e-11	-2.5264e+03	1.3211e-13	-8.1313e+03	-2.0520e-11	2.2475e+05
718	145	-1.2748e-11	7.1496e+02	4.4939e-14	9.6221e+03	-7.5980e-13	1.8220e+05
	154	1.2748e-11	-7.1496e+02	-4.4939e-14	-9.6221e+03	-3.8052e-12	2.1247e+05
719	153	1.2362e-11	2.1916e+03	1.8239e-12	9.1964e+03	-6.3675e-12	2.1695e+05
	157	-1.2362e-11	-2.1916e+03	-1.8239e-12	-9.1964e+03	-1.1739e-10	2.0711e+05
720	144	6.0489e-12	7.1995e+02	-6.1316e-14	1.0864e+04	7.3865e-12	1.9582e+05
	153	-6.0489e-12	-7.1995e+02	6.1316e-14	-1.0864e+04	4.0188e-12	2.0159e+05
721	151	2.2139e-11	2.1420e+03	1.8765e-12	1.0921e+04	-1.9371e-11	1.9971e+05

	152	-2.2139e-11	-2.1420e+03	-1.8765e-12	-1.0921e+04	-2.0326e-11	2.1538e+05
722	143	-1.2744e-11	6.4384e+02	8.0590e-14	1.0947e+04	-1.3780e-12	1.8592e+05
	151	1.2744e-11	-6.4384e+02	-8.0590e-14	-1.0947e+04	-4.3861e-12	1.6948e+05
723	194	2.9361e-11	1.3581e+03	-9.1816e-13	2.0663e+04	1.2123e-10	1.0303e+05
	149	-2.9361e-11	-1.3581e+03	9.1816e-13	-2.0663e+04	1.1673e-10	1.5990e+05
724	141	4.1043e-13	3.2274e+02	-5.9444e-14	9.9419e+03	-3.3083e-11	9.9607e+04
	194	-4.1043e-13	-3.2274e+02	5.9444e-14	-9.9419e+03	4.0264e-11	7.8559e+04
725	195	1.8806e-12	1.8153e+03	-1.8247e-12	2.0469e+04	1.2056e-10	1.3937e+05
	150	-1.8806e-12	-1.8153e+03	1.8247e-12	-2.0469e+04	1.1685e-10	2.1202e+05
726	142	3.8201e-12	4.2923e+02	-5.7815e-14	1.1476e+04	1.4915e-11	1.3433e+05
	195	-3.8201e-12	-4.2923e+02	5.7815e-14	-1.1476e+04	1.8330e-11	1.0262e+05
727	139	-1.4817e-11	5.2841e+02	-5.6020e-15	1.0776e+04	2.9373e-11	1.3997e+05
	142	1.4817e-11	-5.2841e+02	5.6020e-15	-1.0776e+04	-2.9361e-11	1.3427e+05
728	131	-1.5029e-11	1.8158e+02	4.3148e-14	8.7803e+03	-5.4439e-12	3.6555e+04
	139	1.5029e-11	-1.8158e+02	-4.3148e-14	-8.7803e+03	-9.9760e-13	-1.1480e+04
729	147	1.8039e-13	-8.7272e+01	6.8275e-13	1.7461e+04	-2.9377e-11	-1.3970e+04
	148	-1.8039e-13	8.7272e+01	-6.8275e-13	-1.7461e+04	-8.7393e-11	-1.3524e+04
730	146	1.0452e-13	3.0543e+02	1.2753e-13	4.5326e+03	-5.8238e-11	4.9163e+04
	147	-1.0452e-13	-3.0543e+02	-1.2753e-13	-4.5326e+03	7.4592e-12	4.7967e+04
731	145	1.5032e-13	6.3643e+02	-7.9594e-13	3.2503e+04	1.4718e-11	9.9590e+04
	146	-1.5032e-13	-6.3643e+02	7.9594e-13	-3.2503e+04	4.2374e-12	1.0280e+05
732	144	-1.2666e-13	-2.2347e+02	9.5448e-14	-1.2081e+04	-4.3780e-11	-3.4509e+04
	145	1.2666e-13	2.2347e+02	-9.5448e-14	1.2081e+04	1.8207e-11	-3.6559e+04
733	143	2.8009e-13	-4.5015e+02	-2.5595e-13	-1.1571e+04	6.9138e-11	-7.3721e+04
	144	-2.8009e-13	4.5015e+02	2.5595e-13	1.1571e+04	2.9175e-11	-7.2596e+04
734	142	2.6478e-13	-2.9656e+02	-2.9408e-14	2.7599e+03	1.5023e-11	-4.5847e+04
	143	-2.6478e-13	2.9656e+02	2.9408e-14	-2.7599e+03	-2.1959e-12	-4.8612e+04
735	141	-2.4722e-13	-1.7840e+02	-3.4596e-13	5.0801e+03	2.9120e-11	-2.8580e+04
	142	2.4722e-13	1.7840e+02	3.4596e-13	-5.0801e+03	2.9151e-11	-2.7269e+04
736	161	-1.8352e-12	-2.0004e+02	2.2749e-13	8.6096e+02	-5.8699e-11	-2.7615e+04
	141	1.8352e-12	2.0004e+02	-2.2749e-13	-8.6096e+02	-2.9382e-11	-3.4839e+04
737	140	-1.4632e-13	-3.5549e+02	2.2790e-13	4.5692e+03	-2.0172e-12	-4.9011e+04
	139	1.4632e-13	3.5549e+02	-2.2790e-13	-4.5692e+03	-1.5022e-11	-6.4323e+04
738	492	-1.4692e-11	-4.3035e+03	9.1135e-13	5.3407e+04	-9.0140e-12	-3.6393e+05
	140	1.4692e-11	4.3035e+03	-9.1135e-13	-5.3407e+04	-1.1699e-10	-3.6653e+05
739	137	2.7457e-13	-5.6902e+02	-6.9808e-13	5.1016e+04	7.3462e-12	-9.5844e+04
	478	-2.7457e-13	5.6902e+02	6.9808e-13	-5.1016e+04	2.9349e-11	-8.6535e+04
740	138	1.0367e-12	-1.4225e+02	-8.0853e-13	2.5229e+03	2.9388e-11	-2.2450e+04
	137	-1.0367e-12	1.4225e+02	8.0853e-13	-2.5229e+03	3.0069e-11	-2.2792e+04
741	503	-7.2912e-12	-6.5878e+02	-5.8656e-14	-2.9973e+04	2.9349e-11	-1.1525e+05
	138	7.2912e-12	6.5878e+02	5.8656e-14	2.9973e+04	-7.6291e-12	-9.9116e+04
742	136	-1.1741e-13	5.6590e+02	-4.5835e-13	5.7282e+04	3.0049e-11	9.1144e+04
	479	1.1741e-13	-5.6590e+02	4.5835e-13	-5.7282e+04	5.8246e-11	9.0216e+04
743	135	4.1010e-13	1.4226e+02	1.1766e-13	7.3487e+03	4.0714e-12	2.5016e+04
	136	-4.1010e-13	-1.4226e+02	-1.1766e-13	-7.3487e+03	-5.8215e-11	2.0592e+04
744	134	7.3363e-12	-3.2412e+02	4.5680e-13	2.5623e+04	-5.8245e-11	-5.6706e+04
	135	-7.3363e-12	3.2412e+02	-4.5680e-13	-2.5623e+04	-4.3704e-11	-4.6477e+04
745	133	-1.5490e-13	4.7834e+02	5.2080e-15	-2.5812e+04	-5.8284e-11	7.8720e+04
	134	1.5490e-13	-4.7834e+02	-5.2080e-15	2.5812e+04	4.7791e-11	7.3397e+04
746	132	7.2774e-12	3.3721e+02	5.9616e-14	-4.0990e+03	-6.2174e-11	5.3926e+04

	133	-7.2774e-12	-3.3721e+02	-5.9616e-14	4.0990e+03	2.9487e-11	5.5667e+04
747	131	7.5148e-12	3.1003e+02	-1.6774e-14	-1.0258e+04	-1.4678e-11	5.3826e+04
	132	-7.5148e-12	-3.1003e+02	1.6774e-14	1.0258e+04	4.3716e-11	4.8174e+04
748	130	-1.8464e-13	2.1519e+02	2.2928e-13	1.6100e+03	-2.9334e-11	3.2685e+04
	131	1.8464e-13	-2.1519e+02	-2.2928e-13	-1.6100e+03	-7.4669e-12	3.2415e+04
749	488	-7.2791e-12	-3.4686e+02	-2.2963e-13	1.7263e+04	-2.9401e-11	-5.4178e+04
	130	7.2791e-12	3.4686e+02	2.2963e-13	-1.7263e+04	8.7373e-11	-5.3825e+04
750	156	-1.8410e-13	1.9643e+02	9.1020e-13	5.3662e+04	-3.0021e-11	3.5855e+04
	474	1.8410e-13	-1.9643e+02	-9.1020e-13	-5.3662e+04	-2.9267e-11	2.7468e+04
751	155	1.8260e-12	-2.8013e+02	-2.4317e-13	1.0241e+04	8.8559e-11	-4.3079e+04
	156	-1.8260e-12	2.8013e+02	2.4317e-13	-1.0241e+04	-8.7318e-11	-4.6007e+04
752	154	-1.8305e-12	-2.4291e+02	2.2925e-13	4.8192e+03	-1.4701e-11	-3.8560e+04
	155	1.8305e-12	2.4291e+02	-2.2925e-13	-4.8192e+03	-4.4037e-11	-3.8686e+04
753	153	1.8966e-12	-3.5037e+02	-1.5750e-13	5.7975e+03	2.9481e-11	-5.5597e+04
	154	-1.8966e-12	3.5037e+02	1.5750e-13	-5.7975e+03	3.2774e-11	-5.5823e+04
754	151	-2.6919e-13	-3.0841e+02	1.7161e-13	4.2596e+03	-2.4019e-12	-5.0345e+04
	153	2.6919e-13	3.0841e+02	-1.7161e-13	-4.2596e+03	-5.1140e-11	-4.9888e+04
755	195	-1.8420e-12	-2.1544e+02	-4.2003e-15	1.3190e+04	-1.5082e-11	-3.2785e+04
	151	1.8420e-12	2.1544e+02	4.2003e-15	-1.3190e+04	7.2788e-11	-3.5880e+04
756	194	-4.6047e-13	-8.8130e+01	2.4289e-13	-2.9834e+03	-3.0141e-11	-1.3514e+04
	195	4.6047e-13	8.8130e+01	-2.4289e-13	2.9834e+03	-5.8244e-11	-1.4124e+04
757	482	5.3164e-13	-1.2181e+02	2.3560e-13	-1.9776e+04	-2.9335e-11	-2.2957e+04
	194	-5.3164e-13	1.2181e+02	-2.3560e-13	1.9776e+04	-2.9333e-11	-1.7834e+04
758	160	-3.6808e-12	-9.9300e+02	-1.2761e-13	6.0726e+04	1.4587e-11	-1.6027e+05
	475	3.6808e-12	9.9300e+02	1.2761e-13	-6.0726e+04	3.0004e-11	-1.5786e+05
759	159	-3.6416e-12	-4.2383e+02	1.5001e-14	4.9109e+03	4.5489e-11	-6.9012e+04
	160	3.6416e-12	4.2383e+02	-1.5001e-14	-4.9109e+03	-1.0266e-10	-6.5766e+04
760	158	-5.9673e-13	-3.6402e+02	2.2852e-13	1.8690e+03	-1.1022e-11	-5.7458e+04
	159	5.9673e-13	3.6402e+02	-2.2852e-13	-1.8690e+03	-1.0294e-11	-5.8299e+04
761	157	3.6387e-12	-3.6564e+02	-1.4290e-13	-1.6155e+03	2.9115e-11	-5.8269e+04
	158	-3.6387e-12	3.6564e+02	1.4290e-13	1.6155e+03	2.3679e-12	-5.8006e+04
762	152	4.5746e-13	-3.3261e+02	-3.2393e-14	-1.7786e+03	-5.6463e-12	-5.6549e+04
	157	-4.5746e-13	3.3261e+02	3.2393e-14	1.7786e+03	1.8294e-11	-5.5045e+04
763	150	3.6761e-12	-3.9620e+02	-2.2800e-13	-1.4417e+03	2.2150e-11	-6.1649e+04
	152	-3.6761e-12	3.9620e+02	2.2800e-13	1.4417e+03	1.4670e-11	-6.0382e+04
764	149	7.2777e-12	-1.8216e+02	1.1484e-13	1.1262e+03	-4.0251e-13	-2.8316e+04
	150	-7.2777e-12	1.8216e+02	-1.1484e-13	-1.1262e+03	-3.0000e-11	-2.8704e+04
765	483	-3.6621e-13	3.1928e+02	-1.4811e-14	-7.0873e+02	-2.0694e-12	5.0031e+04
	149	3.6621e-13	-3.1928e+02	1.4811e-14	7.0873e+02	5.8330e-11	4.9409e+04
806	352	5.7787e+02	1.1720e+03	-7.6347e+02	-1.3294e+04	1.1843e+05	1.6882e+05
	468	-5.7787e+02	-1.1720e+03	7.6347e+02	1.3294e+04	1.2588e+05	2.0630e+05
807	334	-3.0816e+03	-4.9962e+02	-1.8159e+03	-9.2572e+03	2.7043e+05	-7.6402e+04
	467	3.0816e+03	4.9962e+02	1.8159e+03	9.2572e+03	3.1066e+05	-8.3490e+04
808	348	-2.4329e+02	-4.6953e+02	-1.1602e+03	-1.3294e+04	1.7222e+05	-6.4285e+04
	461	2.4329e+02	4.6953e+02	1.1602e+03	1.3294e+04	1.9904e+05	-8.6200e+04
809	349	2.5122e+03	-5.9410e+02	-8.9894e+02	-9.2572e+03	1.3126e+05	-8.8842e+04
	459	-2.5122e+03	5.9410e+02	8.9894e+02	9.2572e+03	1.5641e+05	-1.0136e+05
810	339	-4.3109e+03	7.5938e+02	-2.9332e+03	-9.2572e+03	4.4880e+05	1.1792e+05
	458	4.3109e+03	-7.5938e+02	2.9332e+03	9.2572e+03	4.8982e+05	1.2508e+05
811	347	-2.6449e+02	-1.5466e+02	-3.3918e+03	-1.3294e+04	4.9628e+05	-2.3596e+04

	456	2.6449e+02	1.5466e+02	3.3918e+03	1.3294e+04	5.8910e+05	-2.5912e+04
812	350	6.7209e+02	5.6274e+02	-1.2881e+03	-1.3294e+04	2.0299e+05	7.6494e+04
	453	-6.7209e+02	-5.6274e+02	1.2881e+03	1.3294e+04	2.0921e+05	1.0379e+05
813	338	2.1575e+03	1.7880e+03	-8.7918e+02	-1.3294e+04	1.3631e+05	2.5083e+05
	452	-2.1575e+03	-1.7880e+03	8.7918e+02	1.3294e+04	1.4503e+05	3.2138e+05
814	378	-7.9278e+02	-7.3925e+02	-1.2115e+03	-1.3294e+04	1.7632e+05	-1.1035e+05
	449	7.9278e+02	7.3925e+02	1.2115e+03	1.3294e+04	2.1138e+05	-1.2623e+05
815	354	-1.1206e+03	8.1323e+02	-8.3395e+02	-1.3294e+04	1.2029e+05	1.1645e+05
	448	1.1206e+03	-8.1323e+02	8.3395e+02	1.3294e+04	1.4658e+05	1.4386e+05
816	384	-1.9106e+02	-5.0981e+02	-1.7878e+03	-1.3294e+04	2.7357e+05	-7.6843e+04
	447	1.9106e+02	5.0981e+02	1.7878e+03	1.3294e+04	2.9854e+05	-8.6323e+04
817	362	1.7873e+02	-4.4911e+02	-8.8058e+02	-1.3294e+04	1.2528e+05	-6.7620e+04
	445	-1.7873e+02	4.4911e+02	8.8058e+02	1.3294e+04	1.5651e+05	-7.6131e+04
818	366	1.6104e+03	1.3873e+03	-3.5468e+02	-9.2572e+03	4.5693e+04	2.0546e+05
	444	-1.6104e+03	-1.3873e+03	3.5468e+02	9.2572e+03	6.7830e+04	2.3850e+05
819	370	-1.4556e+03	6.0743e+02	-9.2643e+02	-9.2572e+03	1.3354e+05	9.1204e+04
	443	1.4556e+03	-6.0743e+02	9.2643e+02	9.2572e+03	1.6293e+05	1.0319e+05
820	363	-6.3149e+02	2.2920e+02	-4.6256e+03	-1.1266e+04	7.1253e+05	3.4095e+04
	442	6.3149e+02	-2.2920e+02	4.6256e+03	1.1266e+04	7.6768e+05	3.9312e+04
821	367	2.5947e+03	1.0807e+03	-8.4778e+02	-9.2572e+03	1.1624e+05	1.6176e+05
	441	-2.5947e+03	-1.0807e+03	8.4778e+02	9.2572e+03	1.5506e+05	1.8406e+05
822	361	7.9976e+02	3.9955e+02	-1.3976e+03	-1.3294e+04	2.1000e+05	5.3224e+04
	440	-7.9976e+02	-3.9955e+02	1.3976e+03	1.3294e+04	2.3723e+05	7.4842e+04
823	355	6.7651e+03	7.5918e+02	-1.9163e+03	-9.2572e+03	3.0241e+05	1.1308e+05
	439	-6.7651e+03	-7.5918e+02	1.9163e+03	9.2572e+03	3.1082e+05	1.2987e+05
824	371	-1.1777e+03	6.0594e+02	-8.1381e+02	-9.2572e+03	1.1685e+05	9.0291e+04
	438	1.1777e+03	-6.0594e+02	8.1381e+02	9.2572e+03	1.4357e+05	1.0362e+05
825	376	9.9872e+02	2.9219e+02	-1.5779e+03	-1.3294e+04	2.3682e+05	3.9119e+04
	436	-9.9872e+02	-2.9219e+02	1.5779e+03	1.3294e+04	2.6810e+05	5.4709e+04
826	382	-1.5525e+03	1.6782e+03	-1.6772e+03	-1.3294e+04	2.3966e+05	2.5133e+05
	435	1.5525e+03	-1.6782e+03	1.6772e+03	1.3294e+04	2.9706e+05	2.8571e+05
827	385	-7.4543e+02	7.9728e+02	-1.1135e+03	-1.3294e+04	1.6632e+05	1.1466e+05
	434	7.4543e+02	-7.9728e+02	1.1135e+03	1.3294e+04	1.9000e+05	1.4057e+05
828	386	-1.0781e+03	7.9338e+02	-3.8777e+02	-1.3294e+04	5.5290e+04	1.1584e+05
	433	1.0781e+03	-7.9338e+02	3.8777e+02	1.3294e+04	6.8829e+04	1.3810e+05
829	353	9.8536e+02	-1.1024e+03	-2.8012e+02	-1.3294e+04	3.9712e+04	-1.5993e+05
	432	-9.8536e+02	1.1024e+03	2.8012e+02	1.3294e+04	4.9978e+04	-1.9288e+05
830	373	8.8121e+02	3.3607e+02	-2.3471e+03	-1.3294e+04	3.6019e+05	4.4529e+04
	431	-8.8121e+02	-3.3607e+02	2.3471e+03	1.3294e+04	3.9090e+05	6.3278e+04
831	364	-3.5050e+02	6.7276e+02	-1.9457e+03	-1.3294e+04	2.7765e+05	1.0287e+05
	429	3.5050e+02	-6.7276e+02	1.9457e+03	1.3294e+04	3.4498e+05	1.1244e+05
832	356	-1.9697e+03	-3.7866e+02	-1.4274e+03	-1.3294e+04	2.0691e+05	-5.0793e+04
	424	1.9697e+03	3.7866e+02	1.4274e+03	1.3294e+04	2.4987e+05	-7.0882e+04
833	368	1.0107e+03	9.1785e+02	-7.2118e+02	-9.2572e+03	1.0869e+05	1.3747e+05
	423	-1.0107e+03	-9.1785e+02	7.2118e+02	9.2572e+03	1.2209e+05	1.5625e+05
834	375	8.2050e+02	3.1726e+02	-1.3098e+03	-1.3294e+04	1.9717e+05	4.2860e+04
	422	-8.2050e+02	-3.1726e+02	1.3098e+03	1.3294e+04	2.2198e+05	5.8950e+04
835	381	1.4893e+03	2.2442e+02	-1.3762e+03	-1.3294e+04	2.0493e+05	3.0314e+04
	420	-1.4893e+03	-2.2442e+02	1.3762e+03	1.3294e+04	2.3547e+05	4.2193e+04
836	380	-2.4139e+03	-1.0121e+03	-7.5148e+02	-9.2572e+03	1.1023e+05	-1.5199e+05

	419	2.4139e+03	1.0121e+03	7.5148e+02	9.2572e+03	1.3026e+05	-1.7189e+05
837	383	-1.7120e+03	5.7764e+02	-1.1075e+03	-9.2572e+03	1.4582e+05	8.6513e+04
	417	1.7120e+03	-5.7764e+02	1.1075e+03	9.2572e+03	2.0858e+05	9.8347e+04
838	323	-2.4158e+03	6.4811e+02	-3.1569e+02	-1.4025e+04	5.3579e+04	1.0585e+05
	386	2.4158e+03	-6.4811e+02	3.1569e+02	1.4025e+04	4.7622e+04	1.0188e+05
839	329	-2.0234e+03	7.1865e+02	-9.6024e+02	-1.4025e+04	1.5613e+05	1.1429e+05
	385	2.0234e+03	-7.1865e+02	9.6024e+02	1.4025e+04	1.5117e+05	1.1597e+05
840	333	-5.8412e+02	-5.2894e+02	-1.6050e+03	-1.4025e+04	2.5832e+05	-8.3671e+04
	384	5.8412e+02	5.2894e+02	1.6050e+03	1.4025e+04	2.5530e+05	-8.5652e+04
841	331	-3.8326e+03	5.5250e+02	-6.9897e+02	-9.7662e+03	1.1726e+05	8.7886e+04
	383	3.8326e+03	-5.5250e+02	6.9897e+02	9.7662e+03	1.0647e+05	8.8978e+04
842	325	-2.9623e+03	1.3858e+03	-1.3315e+03	-1.4025e+04	2.1694e+05	2.2171e+05
	382	2.9623e+03	-1.3858e+03	1.3315e+03	1.4025e+04	2.0919e+05	2.2177e+05
843	318	3.7419e+03	1.9835e+02	-1.2631e+03	-1.4025e+04	2.0416e+05	3.1632e+04
	381	-3.7419e+03	-1.9835e+02	1.2631e+03	1.4025e+04	2.0011e+05	3.3315e+04
844	317	-5.9771e+03	-9.3451e+02	-7.1265e+02	-9.7662e+03	1.1643e+05	-1.5001e+05
	380	5.9771e+03	9.3451e+02	7.1265e+02	9.7662e+03	1.1172e+05	-1.4905e+05
845	332	-1.6224e+03	-6.7014e+02	-9.8894e+02	-1.4025e+04	1.6147e+05	-1.0511e+05
	378	1.6224e+03	6.7014e+02	9.8894e+02	1.4025e+04	1.5502e+05	-1.0939e+05
846	322	2.8049e+03	2.6589e+02	-1.4325e+03	-1.4025e+04	2.3100e+05	4.1520e+04
	376	-2.8049e+03	-2.6589e+02	1.4325e+03	1.4025e+04	2.2745e+05	4.4443e+04
847	328	2.2819e+03	-2.9428e+02	-1.1629e+03	-1.4025e+04	1.8828e+05	-4.4945e+04
	375	-2.2819e+03	2.9428e+02	1.1629e+03	1.4025e+04	1.8388e+05	-5.0017e+04
848	327	1.2883e+03	2.9145e+02	-2.1532e+03	-1.4025e+04	3.4449e+05	4.5451e+04
	373	-1.2883e+03	-2.9145e+02	2.1532e+03	1.4025e+04	3.4453e+05	4.8591e+04
849	319	-3.3560e+03	5.6745e+02	-6.7905e+02	-9.7662e+03	1.1195e+05	9.0262e+04
	371	3.3560e+03	-5.6745e+02	6.7905e+02	9.7662e+03	1.0538e+05	9.1382e+04
850	324	-4.1100e+03	5.7613e+02	-8.0266e+02	-9.7662e+03	1.3174e+05	9.1337e+04
	370	4.1100e+03	-5.7613e+02	8.0266e+02	9.7662e+03	1.2517e+05	9.3089e+04
851	302	3.0604e+03	8.3139e+02	-6.5503e+02	-9.7662e+03	1.0631e+05	1.3375e+05
	368	-3.0604e+03	-8.3139e+02	6.5503e+02	9.7662e+03	1.0332e+05	1.3234e+05
852	307	5.8866e+03	9.7050e+02	-6.5738e+02	-9.7662e+03	1.0868e+05	1.5696e+05
	367	-5.8866e+03	-9.7050e+02	6.5738e+02	9.7662e+03	1.0180e+05	1.5362e+05
853	314	3.1497e+03	1.1515e+03	-2.6566e+02	-9.7662e+03	4.6291e+04	1.8406e+05
	366	-3.1497e+03	-1.1515e+03	2.6566e+02	9.7662e+03	3.8851e+04	1.8445e+05
854	298	-1.0765e+03	6.4617e+02	-1.5353e+03	-1.4025e+04	2.4973e+05	1.0340e+05
	364	1.0765e+03	-6.4617e+02	1.5353e+03	1.4025e+04	2.4163e+05	1.0342e+05
855	309	-1.5762e+03	2.4236e+02	-4.3080e+03	-1.1885e+04	6.9192e+05	3.8419e+04
	363	1.5762e+03	-2.4236e+02	4.3080e+03	1.1885e+04	6.8665e+05	3.9276e+04
856	306	4.2640e+02	4.7061e+02	-6.5918e+02	-1.4025e+04	1.0911e+05	7.4501e+04
	362	-4.2640e+02	-4.7061e+02	6.5918e+02	1.4025e+04	1.0188e+05	7.6154e+04
857	315	2.3122e+03	3.3586e+02	-1.2450e+03	-1.4025e+04	2.0103e+05	5.2272e+04
	361	-2.3122e+03	-3.3586e+02	1.2450e+03	1.4025e+04	1.9741e+05	5.5844e+04
858	311	-4.0753e+03	-2.9283e+02	-1.2135e+03	-1.4025e+04	1.9691e+05	-4.8364e+04
	356	4.0753e+03	2.9283e+02	1.2135e+03	1.4025e+04	1.9149e+05	-4.6415e+04
859	303	1.6857e+04	6.8165e+02	-2.0372e+03	-9.7662e+03	3.3335e+05	1.0957e+05
	355	-1.6857e+04	-6.8165e+02	2.0372e+03	9.7662e+03	3.1858e+05	1.0862e+05
860	310	-3.0692e+03	7.2515e+02	-6.9457e+02	-1.4025e+04	1.1459e+05	1.1481e+05
	354	3.0692e+03	-7.2515e+02	6.9457e+02	1.4025e+04	1.0772e+05	1.1757e+05
861	313	2.2184e+03	-9.3408e+02	-2.2494e+02	-1.4025e+04	3.8521e+04	-1.5136e+05

	353	-2.2184e+03	9.3408e+02	2.2494e+02	1.4025e+04	3.3709e+04	-1.4777e+05
862	308	2.3266e+03	9.9456e+02	-7.3366e+02	-1.4025e+04	1.1882e+05	1.6082e+05
	352	-2.3266e+03	-9.9456e+02	7.3366e+02	1.4025e+04	1.1597e+05	1.5771e+05
863	301	1.1068e+03	4.4402e+02	-1.2607e+03	-1.4025e+04	2.0247e+05	7.2516e+04
	350	-1.1068e+03	-4.4402e+02	1.2607e+03	1.4025e+04	2.0096e+05	7.0260e+04
864	300	6.0112e+03	-5.2835e+02	-8.1283e+02	-9.7662e+03	1.3339e+05	-8.4941e+04
	349	-6.0112e+03	5.2835e+02	8.1283e+02	9.7662e+03	1.2676e+05	-8.4219e+04
865	312	-1.2537e+03	-3.4978e+02	-1.0558e+03	-1.4025e+04	1.7087e+05	-5.7113e+04
	348	1.2537e+03	3.4978e+02	1.0558e+03	1.4025e+04	1.6705e+05	-5.5694e+04
866	316	-7.2466e+02	-1.7011e+02	-2.6772e+03	-1.4025e+04	4.3631e+05	-2.7031e+04
	347	7.2466e+02	1.7011e+02	2.6772e+03	1.4025e+04	4.2044e+05	-2.7420e+04
867	304	-8.3425e+03	6.9743e+02	-2.6686e+03	-9.7662e+03	4.2930e+05	1.1115e+05
	339	8.3425e+03	-6.9743e+02	2.6686e+03	9.7662e+03	4.2464e+05	1.1203e+05
868	305	4.4174e+03	1.3675e+03	-8.4755e+02	-1.4025e+04	1.3623e+05	2.2494e+05
	338	-4.4174e+03	-1.3675e+03	8.4755e+02	1.4025e+04	1.3501e+05	2.1280e+05
869	299	-6.6136e+03	-4.6271e+02	-1.5624e+03	-9.7662e+03	2.5360e+05	-7.2740e+04
	334	6.6136e+03	4.6271e+02	1.5624e+03	9.7662e+03	2.4637e+05	-7.5340e+04
870	265	-9.9892e+02	-5.9935e+02	-1.5582e+03	-1.3672e+04	2.5369e+05	-9.6456e+04
	333	9.9892e+02	5.9935e+02	1.5582e+03	1.3672e+04	2.4495e+05	-9.5453e+04
871	264	-2.3464e+03	-7.4131e+02	-1.0055e+03	-1.3672e+04	1.6639e+05	-1.1723e+05
	332	2.3464e+03	7.4131e+02	1.0055e+03	1.3672e+04	1.5540e+05	-1.2011e+05
872	238	-5.8938e+03	5.8715e+02	-7.3832e+02	-9.5202e+03	1.2054e+05	9.4639e+04
	331	5.8938e+03	-5.8715e+02	7.3832e+02	9.5202e+03	1.1581e+05	9.3347e+04
873	234	-3.2416e+03	7.8008e+02	-9.4514e+02	-1.3672e+04	1.5628e+05	1.2692e+05
	329	3.2416e+03	-7.8008e+02	9.4514e+02	1.3672e+04	1.4621e+05	1.2316e+05
874	242	3.7249e+03	3.2973e+02	-1.1532e+03	-1.3672e+04	1.8954e+05	5.2389e+04
	328	-3.7249e+03	-3.2973e+02	1.1532e+03	1.3672e+04	1.7953e+05	5.4749e+04
875	240	1.7338e+03	3.3150e+02	-2.1147e+03	-1.3672e+04	3.4324e+05	5.3860e+04
	327	-1.7338e+03	-3.3150e+02	2.1147e+03	1.3672e+04	3.3349e+05	5.3715e+04
876	233	-4.2557e+03	1.3334e+03	-1.3620e+03	-1.3672e+04	2.2263e+05	2.1588e+05
	325	4.2557e+03	-1.3334e+03	1.3620e+03	1.3672e+04	2.1327e+05	2.1082e+05
877	244	-6.7225e+03	5.9998e+02	-8.1471e+02	-9.5202e+03	1.3332e+05	9.6330e+04
	324	6.7225e+03	-5.9998e+02	8.1471e+02	9.5202e+03	1.2749e+05	9.5774e+04
878	235	-3.6858e+03	6.3507e+02	-3.1001e+02	-1.3672e+04	5.5513e+04	1.0761e+05
	323	3.6858e+03	-6.3507e+02	3.1001e+02	1.3672e+04	4.4024e+04	9.5954e+04
879	245	4.6490e+03	3.0164e+02	-1.4565e+03	-1.3672e+04	2.3947e+05	4.9744e+04
	322	-4.6490e+03	-3.0164e+02	1.4565e+03	1.3672e+04	2.2666e+05	4.8430e+04
880	239	-5.5082e+03	6.0213e+02	-6.9496e+02	-9.5202e+03	1.1465e+05	9.7011e+04
	319	5.5082e+03	-6.0213e+02	6.9496e+02	9.5202e+03	1.0779e+05	9.5763e+04
881	241	6.1809e+03	2.2525e+02	-1.3053e+03	-1.3672e+04	2.1608e+05	3.9652e+04
	318	-6.1809e+03	-2.2525e+02	1.3053e+03	1.3672e+04	2.0174e+05	3.4554e+04
882	236	-9.7683e+03	-1.0098e+03	-7.2271e+02	-9.5202e+03	1.1948e+05	-1.6261e+05
	317	9.7683e+03	1.0098e+03	7.2271e+02	9.5202e+03	1.1198e+05	-1.6056e+05
883	243	-1.2272e+03	-1.9406e+02	-2.5606e+03	-1.3672e+04	4.2363e+05	-3.0986e+04
	316	1.2272e+03	1.9406e+02	2.5606e+03	1.3672e+04	3.9578e+05	-3.1140e+04
884	246	3.8455e+03	3.7813e+02	-1.2436e+03	-1.3672e+04	2.0436e+05	6.0322e+04
	315	-3.8455e+03	-3.7813e+02	1.2436e+03	1.3672e+04	1.9362e+05	6.2006e+04
885	251	4.4836e+03	1.0937e+03	-2.6958e+02	-9.5202e+03	4.5740e+04	1.7604e+05
	314	-4.4836e+03	-1.0937e+03	2.6958e+02	9.5202e+03	4.0753e+04	1.7398e+05
886	253	3.3976e+03	-9.3861e+02	-2.4557e+02	-1.3672e+04	4.7355e+04	-1.5621e+05

	313	-3.3976e+03	9.3861e+02	2.4557e+02	1.3672e+04	3.1557e+04	-1.4438e+05
887	261	-2.3037e+03	-3.7871e+02	-1.0865e+03	-1.3672e+04	1.8062e+05	-6.3162e+04
	312	2.3037e+03	3.7871e+02	1.0865e+03	1.3672e+04	1.6715e+05	-5.9974e+04
888	257	-6.3337e+03	-3.1675e+02	-1.2627e+03	-1.3672e+04	2.0891e+05	-5.5384e+04
	311	6.3337e+03	3.1675e+02	1.2627e+03	1.3672e+04	1.9528e+05	-4.7401e+04
889	247	-4.9646e+03	7.8250e+02	-7.0469e+02	-1.3672e+04	1.1769e+05	1.2619e+05
	310	4.9646e+03	-7.8250e+02	7.0469e+02	1.3672e+04	1.0789e+05	1.2482e+05
890	248	-2.5249e+03	2.6687e+02	-4.3375e+03	-1.1586e+04	6.9913e+05	4.3729e+04
	309	2.5249e+03	-2.6687e+02	4.3375e+03	1.1586e+04	6.8888e+05	4.1882e+04
891	255	3.9459e+03	1.0016e+03	-6.7110e+02	-1.3672e+04	1.1142e+05	1.6721e+05
	308	-3.9459e+03	-1.0016e+03	6.7110e+02	1.3672e+04	1.0335e+05	1.5355e+05
892	256	9.3089e+03	9.7275e+02	-6.9917e+02	-9.5202e+03	1.1626e+05	1.5841e+05
	307	-9.3089e+03	-9.7275e+02	6.9917e+02	9.5202e+03	1.0767e+05	1.5288e+05
893	258	6.8786e+02	5.3657e+02	-6.6567e+02	-1.3672e+04	1.1265e+05	8.6724e+04
	306	-6.8786e+02	-5.3657e+02	6.6567e+02	1.3672e+04	1.0042e+05	8.5061e+04
894	260	6.8343e+03	1.4231e+03	-8.0581e+02	-1.3672e+04	1.3410e+05	2.3137e+05
	305	-6.8343e+03	-1.4231e+03	8.0581e+02	1.3672e+04	1.2381e+05	2.2417e+05
895	262	-1.2929e+04	6.4392e+02	-2.6218e+03	-9.5202e+03	4.2027e+05	1.0308e+05
	304	1.2929e+04	-6.4392e+02	2.6218e+03	9.5202e+03	4.1870e+05	1.0298e+05
896	250	2.8638e+04	6.4874e+02	-2.1530e+03	-9.5202e+03	3.4920e+05	1.0561e+05
	303	-2.8638e+04	-6.4874e+02	2.1530e+03	9.5202e+03	3.3979e+05	1.0206e+05
897	254	5.0340e+03	8.2704e+02	-6.1851e+02	-9.5202e+03	1.0186e+05	1.3527e+05
	302	-5.0340e+03	-8.2704e+02	6.1851e+02	9.5202e+03	9.6103e+04	1.2942e+05
898	259	1.6241e+03	4.5000e+02	-1.1599e+03	-1.3672e+04	1.8803e+05	7.8071e+04
	301	-1.6241e+03	-4.5000e+02	1.1599e+03	1.3672e+04	1.8315e+05	6.6610e+04
899	252	9.3368e+03	-5.2561e+02	-8.4527e+02	-9.5202e+03	1.3931e+05	-8.6626e+04
	300	-9.3368e+03	5.2561e+02	8.4527e+02	9.5202e+03	1.3124e+05	-8.1864e+04
900	263	-1.0344e+04	-4.8694e+02	-1.5774e+03	-9.5202e+03	2.5554e+05	-7.6603e+04
	299	1.0344e+04	4.8694e+02	1.5774e+03	9.5202e+03	2.4922e+05	-7.9257e+04
901	249	-1.7479e+03	6.4900e+02	-1.5880e+03	-1.3672e+04	2.5977e+05	1.0618e+05
	298	1.7479e+03	-6.4900e+02	1.5880e+03	1.3672e+04	2.4847e+05	1.0156e+05
902	142	-1.4144e+03	-4.6664e+02	-9.4586e+02	-1.1073e+04	1.4803e+05	-7.5010e+04
	265	1.4144e+03	4.6664e+02	9.4586e+02	1.1073e+04	1.6324e+05	-7.9568e+04
903	143	-2.8492e+03	-4.9463e+02	-7.8370e+02	-1.1073e+04	1.4101e+05	-7.2300e+04
	264	2.8492e+03	4.9463e+02	7.8370e+02	1.1073e+04	1.1692e+05	-9.5095e+04
904	144	-1.3813e+04	-3.2338e+02	-1.2007e+03	-7.7105e+03	2.0054e+05	-4.7348e+04
	263	1.3813e+04	3.2338e+02	1.2007e+03	7.7105e+03	1.9451e+05	-6.1883e+04
905	145	-1.7215e+04	3.4756e+02	-1.8926e+03	-7.7105e+03	3.0145e+05	5.2818e+04
	262	1.7215e+04	-3.4756e+02	1.8926e+03	7.7105e+03	3.2122e+05	6.2192e+04
906	138	-3.4818e+03	-3.7707e+02	-1.0142e+03	-1.1073e+04	1.9142e+05	-8.4576e+04
	261	3.4818e+03	3.7707e+02	1.0142e+03	1.1073e+04	1.4235e+05	-4.7660e+04
907	140	9.2025e+03	1.1832e+03	-6.0454e+02	-1.1073e+04	1.1255e+05	2.1370e+05
	260	-9.2025e+03	-1.1832e+03	6.0454e+02	1.1073e+04	8.6421e+04	1.7674e+05
908	139	2.1981e+03	4.1854e+02	-6.8699e+02	-1.1073e+04	1.1443e+05	9.6782e+04
	259	-2.1981e+03	-4.1854e+02	6.8699e+02	1.1073e+04	1.1163e+05	4.1454e+04
909	141	9.7140e+02	-4.2157e+02	-4.8314e+02	-1.1073e+04	9.2485e+04	-6.9480e+04
	258	-9.7140e+02	4.2157e+02	4.8314e+02	1.1073e+04	6.6656e+04	-7.1046e+04
910	137	-8.6958e+03	-3.3879e+02	-1.1844e+03	-1.1073e+04	2.2198e+05	-8.0796e+04
	257	8.6958e+03	3.3879e+02	1.1844e+03	1.1073e+04	1.6783e+05	-3.8078e+04
911	136	1.2747e+04	6.4352e+02	-8.9023e+02	-7.7105e+03	1.8248e+05	1.0841e+05

	256	-1.2747e+04	-6.4352e+02	8.9023e+02	7.7105e+03	1.1062e+05	1.0358e+05
912	131	4.9495e+03	7.2069e+02	-3.2359e+02	-1.1073e+04	5.9336e+04	1.3998e+05
	255	-4.9495e+03	-7.2069e+02	3.2359e+02	1.1073e+04	4.7440e+04	9.7487e+04
913	132	6.7268e+03	5.8267e+02	-4.9832e+02	-7.7105e+03	9.5606e+04	1.0247e+05
	254	-6.7268e+03	-5.8267e+02	4.9832e+02	7.7105e+03	6.8483e+04	8.9399e+04
914	130	4.4058e+03	-6.8109e+02	-1.0281e+02	-1.1073e+04	3.2145e+04	-1.3410e+05
	253	-4.4058e+03	6.8109e+02	1.0281e+02	1.1073e+04	4.1585e+03	-9.2344e+04
915	135	1.2284e+04	-3.8541e+02	-9.3965e+02	-7.7105e+03	1.8390e+05	-7.3466e+04
	252	-1.2284e+04	3.8541e+02	9.3965e+02	7.7105e+03	1.2535e+05	-5.4988e+04
916	133	5.4598e+03	6.6821e+02	-4.6420e+02	-7.7105e+03	1.0797e+05	1.0914e+05
	251	-5.4598e+03	-6.6821e+02	4.6420e+02	7.7105e+03	4.5066e+04	1.1159e+05
917	134	4.0251e+04	5.1320e+02	-1.7392e+03	-7.7105e+03	2.8834e+05	9.8344e+04
	250	-4.0251e+04	-5.1320e+02	1.7392e+03	7.7105e+03	2.8387e+05	7.0673e+04
918	147	-2.3347e+03	4.1929e+02	-1.3567e+03	-1.1073e+04	2.4399e+05	7.1235e+04
	249	2.3347e+03	-4.1929e+02	1.3567e+03	1.1073e+04	2.0250e+05	6.6787e+04
919	148	-3.4141e+03	2.4255e+02	-2.5001e+03	-9.3833e+03	3.4976e+05	4.5984e+04
	248	3.4141e+03	-2.4255e+02	2.5001e+03	9.3833e+03	4.7284e+05	3.4814e+04
920	152	-6.7447e+03	-6.8279e+02	-7.3713e+02	-1.1073e+04	1.4700e+05	-1.1776e+05
	247	6.7447e+03	6.8279e+02	7.3713e+02	1.1073e+04	9.5657e+04	-1.0811e+05
921	153	5.4095e+03	-4.4664e+02	-1.1146e+03	-1.1073e+04	2.0258e+05	-8.4012e+04
	246	-5.4095e+03	4.4664e+02	1.1146e+03	1.1073e+04	1.6417e+05	-6.4629e+04
922	155	6.5619e+03	-3.9459e+02	-1.3208e+03	-1.1073e+04	2.3973e+05	-7.7891e+04
	245	-6.5619e+03	3.9459e+02	1.3208e+03	1.1073e+04	1.9489e+05	-5.3470e+04
923	159	-9.2730e+03	-4.6168e+02	-1.0034e+03	-7.7105e+03	2.0072e+05	-7.4871e+04
	244	9.2730e+03	4.6168e+02	1.0034e+03	7.7105e+03	1.2948e+05	-7.7469e+04
924	161	-1.7054e+03	-2.2033e+02	-1.4000e+03	-1.1073e+04	2.3937e+05	-3.9163e+04
	243	1.7054e+03	2.2033e+02	1.4000e+03	1.1073e+04	2.2141e+05	-3.3723e+04
925	151	5.1108e+03	-4.1768e+02	-1.0035e+03	-1.1073e+04	1.8192e+05	-7.9430e+04
	242	-5.1108e+03	4.1768e+02	1.0035e+03	1.1073e+04	1.4827e+05	-6.0233e+04
926	156	8.7254e+03	2.9396e+02	-1.2383e+03	-1.1073e+04	2.3124e+05	6.1686e+04
	241	-8.7254e+03	-2.9396e+02	1.2383e+03	1.1073e+04	1.7629e+05	3.7245e+04
927	154	2.3472e+03	-4.1544e+02	-1.5647e+03	-1.1073e+04	2.5798e+05	-8.0375e+04
	240	-2.3472e+03	4.1544e+02	1.5647e+03	1.1073e+04	2.5684e+05	-5.7863e+04
928	157	-7.6132e+03	-4.7296e+02	-7.6805e+02	-7.7105e+03	1.5152e+05	-7.6875e+04
	239	7.6132e+03	4.7296e+02	7.6805e+02	7.7105e+03	1.0124e+05	-7.9128e+04
929	158	-7.9213e+03	-4.6872e+02	-8.9084e+02	-7.7105e+03	1.7875e+05	-7.6746e+04
	238	7.9213e+03	4.6872e+02	8.9084e+02	7.7105e+03	1.1440e+05	-7.7845e+04
930	160	-1.3649e+04	-7.1177e+02	-9.9954e+02	-7.7105e+03	2.0586e+05	-1.0571e+05
	236	1.3649e+04	7.1177e+02	9.9954e+02	7.7105e+03	1.2314e+05	-1.2898e+05
931	149	-4.8156e+03	4.5450e+02	-3.2748e+02	-1.1073e+04	7.6575e+04	9.2381e+04
	235	4.8156e+03	-4.5450e+02	3.2748e+02	1.1073e+04	3.2507e+04	5.7864e+04
932	150	-4.3293e+03	-6.5278e+02	-7.1964e+02	-1.1073e+04	1.2973e+05	-1.1216e+05
	234	4.3293e+03	6.5278e+02	7.1964e+02	1.1073e+04	1.0722e+05	-1.0369e+05
933	146	-5.3515e+03	6.4198e+02	-1.1838e+03	-1.1073e+04	2.1633e+05	8.9405e+04
	233	5.3515e+03	-6.4198e+02	1.1838e+03	1.1073e+04	1.7324e+05	1.2461e+05
934	127	1.2640e+03	-3.6374e+02	-1.4525e+03	-8.1315e+03	2.5341e+05	-8.2678e+04
	195	-1.2640e+03	3.6374e+02	1.4525e+03	8.1315e+03	2.2593e+05	-3.7391e+04
935	126	9.2873e+02	1.3079e+02	-1.0791e+03	-8.1315e+03	1.8987e+05	3.1039e+04
	194	-9.2873e+02	-1.3079e+02	1.0791e+03	8.1315e+03	1.6624e+05	1.4473e+04
936	51	-1.4528e+04	-9.8250e+02	-1.9403e+03	-8.1315e+03	3.5274e+05	-2.1549e+05

	160	1.4528e+04	9.8250e+02	1.9403e+03	8.1315e+03	2.8761e+05	-1.0945e+05
937	50	-1.0310e+04	-6.1455e+02	-1.9332e+03	-8.1315e+03	3.4912e+05	-1.4821e+05
	159	1.0310e+04	6.1455e+02	1.9332e+03	8.1315e+03	2.8887e+05	-5.6502e+04
938	49	-9.4532e+03	-6.2723e+02	-1.7923e+03	-8.1315e+03	3.2514e+05	-1.4721e+05
	158	9.4532e+03	6.2723e+02	1.7923e+03	8.1315e+03	2.6633e+05	-6.1411e+04
939	48	-9.1091e+03	-5.6102e+02	-1.5144e+03	-8.1315e+03	2.8013e+05	-1.3354e+05
	157	9.1091e+03	5.6102e+02	1.5144e+03	8.1315e+03	2.1965e+05	-5.3480e+04
940	47	1.0259e+04	-1.8465e+02	-1.4375e+03	-8.1315e+03	2.8460e+05	-5.7915e+04
	156	-1.0259e+04	1.8465e+02	1.4375e+03	8.1315e+03	1.8998e+05	-2.6451e+04
941	46	7.9414e+03	-2.8913e+02	-1.6157e+03	-8.1315e+03	3.1081e+05	-7.2854e+04
	155	-7.9414e+03	2.8913e+02	1.6157e+03	8.1315e+03	2.2243e+05	-2.9414e+04
942	45	4.2182e+03	-3.7413e+02	-1.6037e+03	-8.1315e+03	3.0851e+05	-9.2159e+04
	154	-4.2182e+03	3.7413e+02	1.6037e+03	8.1315e+03	2.2077e+05	-3.6099e+04
943	44	6.8041e+03	-4.3430e+02	-1.5311e+03	-8.1315e+03	2.9013e+05	-1.0490e+05
	153	-6.8041e+03	4.3430e+02	1.5311e+03	8.1315e+03	2.1516e+05	-4.2267e+04
944	43	-8.3571e+03	-4.7928e+02	-1.2328e+03	-8.1315e+03	2.3556e+05	-1.1962e+05
	152	8.3571e+03	4.7928e+02	1.2328e+03	8.1315e+03	1.7133e+05	-4.4907e+04
945	42	6.4718e+03	-3.8516e+02	-1.3853e+03	-8.1315e+03	2.5945e+05	-9.5061e+04
	151	-6.4718e+03	3.8516e+02	1.3853e+03	8.1315e+03	1.9773e+05	-3.7482e+04
946	41	-6.1799e+03	-3.0028e+02	-1.0071e+03	-8.1315e+03	2.0088e+05	-8.4856e+04
	150	6.1799e+03	3.0028e+02	1.0071e+03	8.1315e+03	1.3163e+05	-2.7625e+04
947	40	-6.5272e+03	5.6717e+02	-7.0757e+02	-8.1315e+03	1.4352e+05	1.0601e+05
	149	6.5272e+03	-5.6717e+02	7.0757e+02	8.1315e+03	9.0250e+04	8.2845e+04
948	39	-3.5943e+03	-2.3503e+02	-1.8145e+03	-8.1315e+03	4.0048e+05	-4.1994e+04
	148	3.5943e+03	2.3503e+02	1.8145e+03	8.1315e+03	1.9876e+05	-3.9617e+04
949	38	-2.8003e+03	1.8045e+02	-1.8561e+03	-8.1315e+03	3.7855e+05	2.4942e+04
	147	2.8003e+03	-1.8045e+02	1.8561e+03	8.1315e+03	2.3407e+05	3.8147e+04
950	37	-5.5747e+03	8.5425e+02	-1.7288e+03	-8.1315e+03	3.5134e+05	1.9405e+05
	146	5.5747e+03	-8.5425e+02	1.7288e+03	8.1315e+03	2.1922e+05	9.1336e+04
951	36	-2.3674e+04	4.5269e+02	-2.5240e+03	-8.1315e+03	4.5732e+05	9.1402e+04
	145	2.3674e+04	-4.5269e+02	2.5240e+03	8.1315e+03	3.7559e+05	6.0275e+04
952	35	-1.6531e+04	-5.7843e+02	-1.8624e+03	-8.1315e+03	3.5314e+05	-1.2602e+05
	144	1.6531e+04	5.7843e+02	1.8624e+03	8.1315e+03	2.6146e+05	-6.6158e+04
953	34	-2.8207e+03	-8.0342e+02	-1.3615e+03	-8.1315e+03	2.8443e+05	-1.8369e+05
	143	2.8207e+03	8.0342e+02	1.3615e+03	8.1315e+03	1.6494e+05	-8.5608e+04
954	33	-1.6407e+03	-2.9756e+02	-1.0690e+03	-8.1315e+03	2.2582e+05	-5.6060e+04
	142	1.6407e+03	2.9756e+02	1.0690e+03	8.1315e+03	1.2722e+05	-4.7807e+04
955	32	1.0457e+03	-4.5949e+02	-8.5436e+02	-8.1315e+03	1.7761e+05	-9.5893e+04
	141	-1.0457e+03	4.5949e+02	8.5436e+02	8.1315e+03	1.0475e+05	-6.0289e+04
956	31	1.2355e+04	1.2377e+03	-3.7884e+02	-8.1315e+03	7.9113e+04	2.2725e+05
	140	-1.2355e+04	-1.2377e+03	3.7884e+02	8.1315e+03	4.6698e+04	1.8185e+05
957	30	2.5663e+03	1.9780e+02	-2.6450e+02	-8.1315e+03	5.4051e+04	5.9784e+04
	139	-2.5663e+03	-1.9780e+02	2.6450e+02	8.1315e+03	3.4494e+04	3.0155e+04
958	29	-3.6749e+03	-5.7212e+02	-1.0467e+03	-8.1315e+03	2.1027e+05	-9.2343e+04
	138	3.6749e+03	5.7212e+02	1.0467e+03	8.1315e+03	1.3537e+05	-1.0016e+05
959	28	-1.0007e+04	-5.6322e+02	-1.3301e+03	-8.1315e+03	2.6670e+05	-8.7855e+04
	137	1.0007e+04	5.6322e+02	1.3301e+03	8.1315e+03	1.7250e+05	-9.9717e+04
960	27	9.8820e+03	1.1321e+02	-1.2573e+03	-8.1315e+03	2.2715e+05	8.4864e+03
	136	-9.8820e+03	-1.1321e+02	1.2573e+03	8.1315e+03	1.8778e+05	2.9051e+04
961	26	9.5032e+03	-4.4029e+02	-1.3008e+03	-8.1315e+03	2.3067e+05	-6.4600e+04

	135	-9.5032e+03	4.4029e+02	1.3008e+03	8.1315e+03	1.9861e+05	-8.2857e+04
962	582	3.5485e+04	1.1176e+02	-2.0060e+03	-8.1315e+03	3.3448e+05	7.3876e+03
	134	-3.5485e+04	-1.1176e+02	2.0060e+03	8.1315e+03	3.2750e+05	3.4345e+04
963	469	-1.7933e+03	6.4679e+02	-1.1008e+03	-8.1315e+03	2.1165e+05	1.5031e+05
	133	1.7933e+03	-6.4679e+02	1.1008e+03	8.1315e+03	1.5162e+05	6.6709e+04
964	23	7.3407e+03	5.2689e+02	-2.6477e+02	-8.1315e+03	4.5224e+04	1.1742e+05
	132	-7.3407e+03	-5.2689e+02	2.6477e+02	8.1315e+03	4.2170e+04	5.9723e+04
965	22	6.9070e+03	1.6339e+02	6.3561e+02	-8.1315e+03	-1.1101e+05	4.1902e+04
	131	-6.9070e+03	-1.6339e+02	-6.3561e+02	8.1315e+03	-9.8799e+04	4.3746e+04
966	21	6.9177e+03	-6.0862e+02	8.3247e+02	-8.1315e+03	-1.4695e+05	-1.0606e+05
	130	-6.9177e+03	6.0862e+02	-8.3247e+02	8.1315e+03	-1.2782e+05	-9.7967e+04
361	256	-4.9004e-12	1.4157e+03	-5.2734e+02	3.8452e+04	8.0650e+04	2.1651e+05
	2	4.9004e-12	-1.4157e+03	5.2734e+02	-3.8452e+04	8.8323e+04	2.3711e+05
362	252	1.2925e-12	5.4405e+02	-2.0266e+02	1.6645e+04	3.7234e+04	9.9959e+04
	256	-1.2925e-12	-5.4405e+02	2.0266e+02	-1.6645e+04	2.8077e+04	7.5374e+04
363	250	2.0440e-12	-6.2732e+02	2.3368e+02	6.2837e+04	-3.9263e+04	-1.0540e+05
	252	-2.0440e-12	6.2732e+02	-2.3368e+02	-6.2837e+04	-3.5154e+04	-9.4375e+04
364	251	1.5169e-11	1.4209e+03	-5.2929e+02	-6.6500e+04	7.8740e+04	2.1138e+05
	250	-1.5169e-11	-1.4209e+03	5.2929e+02	6.6500e+04	8.9611e+04	2.4057e+05
365	254	-3.0195e-11	5.5414e+02	-2.0642e+02	2.3980e+04	3.5468e+04	9.5218e+04
	251	3.0195e-11	-5.5414e+02	2.0642e+02	-2.3980e+04	3.1779e+04	8.5314e+04
366	255	-1.4834e-11	7.8947e+02	-2.9407e+02	6.0620e+03	5.1319e+04	1.3777e+05
	254	1.4834e-11	-7.8947e+02	2.9407e+02	-6.0620e+03	4.5436e+04	1.2198e+05
367	253	-9.3921e-13	8.2624e+02	-3.0777e+02	-1.0466e+04	4.7499e+04	1.2751e+05
	255	9.3921e-13	-8.2624e+02	3.0777e+02	1.0466e+04	4.5756e+04	1.2284e+05
368	59	1.8790e-11	-9.1093e+02	3.3932e+02	-9.1801e+03	-5.4496e+04	-1.4630e+05
	253	-1.8790e-11	9.1093e+02	-3.3932e+02	9.1801e+03	-5.1270e+04	-1.3764e+05
377	54	-1.4670e-11	1.6443e+03	-6.1250e+02	3.8314e+04	1.0269e+05	2.7568e+05
	236	1.4670e-11	-1.6443e+03	6.1250e+02	-3.8314e+04	9.3538e+04	2.5111e+05
378	236	-1.4554e-11	4.8864e+02	-1.8202e+02	1.4151e+04	2.4834e+04	6.6669e+04
	244	1.4554e-11	-4.8864e+02	1.8202e+02	-1.4151e+04	3.3235e+04	8.9223e+04
379	244	-1.8367e-12	5.4945e+02	-2.0467e+02	7.8207e+03	3.2470e+04	8.7169e+04
	238	1.8367e-12	-5.4945e+02	2.0467e+02	-7.8207e+03	3.2614e+04	8.7555e+04
380	238	-1.3221e-12	5.4133e+02	-2.0164e+02	9.8943e+03	3.2220e+04	8.6496e+04
	239	1.3221e-12	-5.4133e+02	2.0164e+02	-9.8943e+03	3.1903e+04	8.5647e+04
381	239	-1.4729e-11	5.7780e+02	-2.1523e+02	6.6716e+03	3.4159e+04	9.1704e+04
	247	1.4729e-11	-5.7780e+02	2.1523e+02	-6.6716e+03	3.8049e+04	1.0215e+05
382	247	-4.1258e-12	7.4980e+02	-2.7930e+02	1.7518e+04	4.3000e+04	1.1544e+05
	234	4.1258e-12	-7.4980e+02	2.7930e+02	-1.7518e+04	4.3027e+04	1.1551e+05
383	234	2.6351e-12	-5.4814e+02	2.0418e+02	-1.3597e+04	-2.9909e+04	-8.0294e+04
	235	-2.6351e-12	5.4814e+02	-2.0418e+02	1.3597e+04	-3.4204e+04	-9.1823e+04
384	235	1.4666e-11	-7.1231e+02	2.6534e+02	-9.2403e+03	-4.0781e+04	-1.0948e+05
	56	-1.4666e-11	7.1231e+02	-2.6534e+02	9.2403e+03	-4.1939e+04	-1.1259e+05
446	307	5.5509e-12	1.5792e+03	-5.8824e+02	4.2320e+04	9.0066e+04	2.4179e+05
	165	-5.5509e-12	-1.5792e+03	5.8824e+02	-4.2320e+04	9.8411e+04	2.6419e+05
447	300	-1.4667e-11	6.8942e+02	-2.5681e+02	1.7334e+04	4.6793e+04	1.2562e+05
	307	1.4667e-11	-6.8942e+02	2.5681e+02	-1.7334e+04	3.5602e+04	9.5576e+04
448	303	4.2234e-12	-8.2643e+02	3.0784e+02	6.1899e+04	-5.2398e+04	-1.4067e+05
	300	-4.2234e-12	8.2643e+02	-3.0784e+02	-6.1899e+04	-4.5644e+04	-1.2254e+05
449	314	6.0367e-11	1.8213e+03	-6.7843e+02	-6.3304e+04	1.0228e+05	2.7459e+05

	303	-6.0367e-11	-1.8213e+03	6.7843e+02	6.3304e+04	1.1348e+05	3.0465e+05
450	302	-3.2806e-11	6.3461e+02	-2.3639e+02	2.3840e+04	4.0808e+04	1.0955e+05
	314	3.2806e-11	-6.3461e+02	2.3639e+02	-2.3840e+04	3.6254e+04	9.7328e+04
451	308	1.4813e-11	9.3283e+02	-3.4748e+02	6.2363e+03	6.0284e+04	1.6184e+05
	302	-1.4813e-11	-9.3283e+02	3.4748e+02	-6.2363e+03	5.4037e+04	1.4507e+05
452	313	-1.4681e-11	9.7409e+02	-3.6285e+02	-1.3716e+04	5.5727e+04	1.4960e+05
	308	1.4681e-11	-9.7409e+02	3.6285e+02	1.3716e+04	5.4157e+04	1.4539e+05
453	80	6.0367e-11	-1.0599e+03	3.9483e+02	-1.0707e+04	-6.2725e+04	-1.6839e+05
	313	-6.0367e-11	1.0599e+03	-3.9483e+02	1.0707e+04	-6.0292e+04	-1.6186e+05
462	125	1.0184e-12	1.6640e+03	-6.1982e+02	4.3962e+04	1.0302e+05	2.7656e+05
	317	-1.0184e-12	-1.6640e+03	6.1982e+02	-4.3962e+04	9.5563e+04	2.5655e+05
463	317	3.2593e-11	-5.6047e+02	2.0877e+02	1.5638e+04	-2.9545e+04	-7.9317e+04
	324	-3.2593e-11	5.6047e+02	-2.0877e+02	-1.5638e+04	-3.6988e+04	-9.9298e+04
464	324	5.4994e-12	-5.7627e+02	2.1466e+02	9.0155e+03	-3.3941e+04	-9.1117e+04
	331	-5.4994e-12	5.7627e+02	-2.1466e+02	-9.0155e+03	-3.4321e+04	-9.2139e+04
465	331	-7.2797e-12	-5.7021e+02	2.1240e+02	9.0850e+03	-3.3927e+04	-9.1079e+04
	319	7.2797e-12	5.7021e+02	-2.1240e+02	-9.0850e+03	-3.3617e+04	-9.0247e+04
466	319	-2.9352e-11	-6.1019e+02	2.2729e+02	-7.1855e+03	-3.6268e+04	-9.7365e+04
	310	2.9352e-11	6.1019e+02	-2.2729e+02	7.1855e+03	-3.9990e+04	-1.0736e+05
467	310	-1.9435e-12	-7.7975e+02	2.9046e+02	1.7706e+04	-4.4648e+04	-1.1986e+05
	329	1.9435e-12	7.7975e+02	-2.9046e+02	-1.7706e+04	-4.4820e+04	-1.2032e+05
468	329	-2.9626e-11	-5.9087e+02	2.2010e+02	-1.5039e+04	-3.3287e+04	-8.9363e+04
	323	2.9626e-11	5.9087e+02	-2.2010e+02	1.5039e+04	-3.5820e+04	-9.6161e+04
469	323	-9.0978e-12	-9.2907e+02	3.4607e+02	-1.0481e+04	-5.3914e+04	-1.4474e+05
	75	9.0978e-12	9.2907e+02	-3.4607e+02	1.0481e+04	-5.3899e+04	-1.4470e+05
564	441	6.0029e-11	1.0974e+03	4.0878e+02	5.8435e+04	-6.1214e+04	1.6433e+05
	170	-6.0029e-11	-1.0974e+03	-4.0878e+02	-5.8435e+04	-6.9794e+04	1.8737e+05
565	459	1.2008e-10	5.0118e+02	1.8669e+02	7.8653e+03	-4.0185e+04	1.0788e+05
	441	-1.2008e-10	-5.0118e+02	-1.8669e+02	-7.8653e+03	-2.0954e+04	5.6253e+04
566	439	-1.3029e-10	-9.5347e+02	-3.5516e+02	4.3930e+04	6.4104e+04	-1.7209e+05
	459	1.3029e-10	9.5347e+02	3.5516e+02	-4.3930e+04	4.8956e+04	-1.3143e+05
567	444	-6.6094e-11	1.6628e+03	6.1941e+02	-4.8015e+04	-8.9117e+04	2.3924e+05
	439	6.6094e-11	-1.6628e+03	-6.1941e+02	4.8015e+04	-1.0789e+05	2.8963e+05
568	423	-3.1087e-11	-2.8044e+02	-1.0446e+02	2.0795e+04	1.8678e+04	-5.0143e+04
	444	3.1087e-11	2.8044e+02	1.0446e+02	-2.0795e+04	1.8255e+04	-4.9008e+04
569	468	-1.4696e-11	6.4551e+02	2.4045e+02	-2.7025e+03	-4.2569e+04	1.1428e+05
	423	1.4696e-11	-6.4551e+02	-2.4045e+02	2.7025e+03	-3.6544e+04	9.8105e+04
570	432	-2.9164e-11	6.4813e+02	2.4143e+02	-1.2718e+04	-3.8435e+04	1.0318e+05
	468	2.9164e-11	-6.4813e+02	-2.4143e+02	1.2718e+04	-3.5079e+04	9.4174e+04
571	84	-1.2036e-10	-8.0701e+02	-3.0061e+02	-1.1894e+04	4.7995e+04	-1.2885e+05
	432	1.2036e-10	8.0701e+02	3.0061e+02	1.1894e+04	4.5867e+04	-1.2313e+05
580	163	-1.2144e-10	1.1148e+03	4.1525e+02	4.7736e+04	-7.0055e+04	1.8807e+05
	419	1.2144e-10	-1.1148e+03	-4.1525e+02	-4.7736e+04	-6.3004e+04	1.6914e+05
581	419	-5.8354e-11	-2.9560e+02	-1.1011e+02	2.0661e+04	1.3548e+04	-3.6370e+04
	443	5.8354e-11	2.9560e+02	1.1011e+02	-2.0661e+04	2.2071e+04	-5.9251e+04
582	443	-5.8322e-11	-3.2422e+02	-1.2077e+02	2.9072e+04	1.8890e+04	-5.0712e+04
	417	5.8322e-11	3.2422e+02	1.2077e+02	-2.9072e+04	1.9518e+04	-5.2398e+04
583	417	6.1121e-11	-3.2453e+02	-1.2089e+02	-1.6038e+04	1.9650e+04	-5.2753e+04
	438	-6.1121e-11	3.2453e+02	1.2089e+02	1.6038e+04	1.8793e+04	-5.0452e+04
584	438	7.3372e-12	-3.6794e+02	-1.3706e+02	-4.7372e+03	2.1282e+04	-5.7133e+04

	448	-7.3372e-12	3.6794e+02	1.3706e+02	4.7372e+03	2.4703e+04	-6.6317e+04
585	448	-7.2768e-12	4.8445e+02	1.8046e+02	1.6963e+04	-2.7574e+04	7.4025e+04
	434	7.2768e-12	-4.8445e+02	-1.8046e+02	-1.6963e+04	-2.8030e+04	7.5250e+04
586	434	1.0597e-10	-3.6971e+02	-1.3772e+02	-2.0624e+04	2.0298e+04	-5.4491e+04
	433	-1.0597e-10	3.6971e+02	1.3772e+02	2.0624e+04	2.3821e+04	-6.3950e+04
587	433	-2.9339e-11	-8.0024e+02	-2.9809e+02	-1.3774e+04	4.6956e+04	-1.2606e+05
	79	2.9339e-11	8.0024e+02	2.9809e+02	1.3774e+04	4.5976e+04	-1.2343e+05
597	441	-1.1647e-10	1.9966e+03	7.4373e+02	-2.8369e+04	-7.9433e+04	2.1324e+05
	424	1.1647e-10	-1.9966e+03	-7.4373e+02	2.8369e+04	-6.4489e+04	1.7313e+05
635	367	7.2902e-12	1.5459e+03	-5.7583e+02	3.6687e+04	8.8173e+04	2.3671e+05
	167	-7.2902e-12	-1.5459e+03	5.7583e+02	-3.6687e+04	9.6330e+04	2.5860e+05
636	349	-7.2798e-12	7.3585e+02	-2.7410e+02	1.7690e+04	4.9273e+04	1.3228e+05
	367	7.2798e-12	-7.3585e+02	2.7410e+02	-1.7690e+04	3.8487e+04	1.0332e+05
637	355	5.8322e-11	-9.5737e+02	3.5662e+02	5.6066e+04	-6.0549e+04	-1.6255e+05
	349	-5.8322e-11	9.5737e+02	-3.5662e+02	-5.6066e+04	-5.2957e+04	-1.4217e+05
638	366	-3.1097e-11	2.0299e+03	-7.5615e+02	-5.8017e+04	1.1441e+05	3.0715e+05
	355	3.1097e-11	-2.0299e+03	7.5615e+02	5.8017e+04	1.2606e+05	3.3843e+05
639	368	8.2410e-11	6.5036e+02	-2.4226e+02	2.7038e+04	4.2034e+04	1.1284e+05
	366	-8.2410e-11	-6.5036e+02	2.4226e+02	-2.7038e+04	3.6972e+04	9.9255e+04
640	352	3.1083e-11	9.7510e+02	-3.6322e+02	7.1209e+03	6.2865e+04	1.6877e+05
	368	-3.1083e-11	-9.7510e+02	3.6322e+02	-7.1209e+03	5.6636e+04	1.5204e+05
641	353	-5.8663e-11	1.0085e+03	-3.7566e+02	-1.4451e+04	5.7565e+04	1.5454e+05
	352	5.8663e-11	-1.0085e+03	3.7566e+02	1.4451e+04	5.6177e+04	1.5081e+05
642	82	6.6689e-11	-1.1082e+03	4.1280e+02	-1.0684e+04	-6.5579e+04	-1.7605e+05
	353	-6.6689e-11	1.1082e+03	-4.1280e+02	1.0684e+04	-6.3032e+04	-1.6922e+05
651	129	-8.5265e-14	1.5579e+03	-5.8031e+02	3.8954e+04	9.6497e+04	2.5905e+05
	380	8.5265e-14	-1.5579e+03	5.8031e+02	-3.8954e+04	8.9422e+04	2.4006e+05
652	380	1.4555e-11	-5.7924e+02	2.1576e+02	1.4416e+04	-3.1154e+04	-8.3636e+04
	370	-1.4555e-11	5.7924e+02	-2.1576e+02	-1.4416e+04	-3.7568e+04	-1.0085e+05
653	370	1.4553e-11	-5.5334e+02	2.0612e+02	-6.8512e+03	-3.2481e+04	-8.7198e+04
	383	-1.4553e-11	5.5334e+02	-2.0612e+02	6.8512e+03	-3.3065e+04	-8.8767e+04
654	383	-5.2791e-13	-5.5634e+02	2.0723e+02	1.1989e+04	-3.3104e+04	-8.8871e+04
	371	5.2791e-13	5.5634e+02	-2.0723e+02	-1.1989e+04	-3.2796e+04	-8.8044e+04
655	371	-3.2746e-11	-5.9871e+02	2.2302e+02	-8.0163e+03	-3.5577e+04	-9.5508e+04
	354	3.2746e-11	5.9871e+02	-2.2302e+02	8.0163e+03	-3.9247e+04	-1.0536e+05
656	354	2.9104e-11	-7.6036e+02	2.8323e+02	1.8841e+04	-4.3534e+04	-1.1687e+05
	385	-2.9104e-11	7.6036e+02	-2.8323e+02	-1.8841e+04	-4.3711e+04	-1.1735e+05
657	385	1.0924e-11	-5.8452e+02	2.1773e+02	-1.5595e+04	-3.3331e+04	-8.9480e+04
	386	-1.0924e-11	5.8452e+02	-2.1773e+02	1.5595e+04	-3.5029e+04	-9.4037e+04
658	386	3.1084e-11	-1.0226e+03	3.8091e+02	-1.1160e+04	-5.9294e+04	-1.5918e+05
	77	-3.1084e-11	1.0226e+03	-3.8091e+02	1.1160e+04	-5.9356e+04	-1.5935e+05
Elem	Nodo	Nx	Ny	Nxy	Mx	My	Mxy
28	484	-5.4269e-16	-1.3320e+00	5.6086e+00	-1.6130e+02	4.2142e+02	6.1583e+02
	482	-5.4269e-16	-1.2396e+01	6.6525e+00	-1.5133e+02	-6.7457e+02	1.9662e+02
	564	-2.9692e+00	-1.2396e+01	1.1278e+01	-5.5069e+02	-6.8061e+02	-2.9116e+02
29	563	1.0285e+00	-2.6219e-01	-7.8779e+00	-8.3958e+02	3.8498e+02	-1.4060e+02
	484	1.0285e+00	-1.6507e+00	-5.5656e+00	9.2389e+02	4.7263e+02	1.1888e+02
	564	-5.2804e+00	-2.6219e-01	-7.2591e+00	-5.8267e+02	-5.1226e+02	-4.1354e+01
30	563	-2.6219e-01	-3.1210e+00	8.0698e+00	3.7915e+02	6.6918e+02	2.7496e+02
	564	-2.6219e-01	-5.5346e+00	7.4475e+00	-6.3950e+02	6.1794e+02	9.8201e+01
	544	1.1629e+00	-5.5346e+00	8.3112e+00	-7.8602e+02	-6.4579e+02	-2.1791e+02
31	543	3.8296e-01	4.7967e-01	-7.8522e+00	-7.6565e+02	5.2976e+02	-6.6914e+01

	563	3.8296e-01	6.8951e-01	-6.3588e+00	9.5420e+02	6.0692e+02	8.4119e+01
	544	-3.4111e+00	4.7967e-01	-7.8767e+00	-6.4912e+02	-7.0264e+02	2.0999e+01
32	543	4.7967e-01	-5.7597e+00	8.1516e+00	5.0851e+02	3.5472e+02	1.5022e+02
	544	4.7967e-01	-6.6848e-01	8.1799e+00	-6.9726e+02	6.0693e+02	1.2295e+02
	1	7.3074e-01	-6.6848e-01	5.7171e+00	-7.0196e+02	-1.2379e+03	3.5800e+02
33	58	-1.4005e+00	0.0000e+00	-3.9134e+00	-7.8835e+02	9.3429e+01	4.4077e+01
	543	-1.4005e+00	7.5134e-01	-6.0841e+00	7.8442e+02	5.9869e+02	2.1816e+02
	1	3.3588e+00	0.0000e+00	-4.2482e+00	-6.1831e+02	2.0799e+02	5.8815e+02
34	523	-5.1437e-01	-1.1616e+00	8.6748e+00	-8.2959e+01	-5.2422e+02	-1.4796e+02
	561	-5.1437e-01	4.0781e-01	7.7663e+00	3.1003e+02	-8.1133e+02	9.3866e+01
	541	1.1780e+00	4.0781e-01	7.1025e+00	5.2829e+02	8.4538e+02	-1.7667e+02
35	519	-5.6206e-01	-3.0245e-01	-8.4289e+00	4.3345e+02	-1.1518e+02	-9.5084e+01
	523	-5.6206e-01	-5.1310e-01	-8.3017e+00	-6.6381e+02	-3.6995e+02	-1.6431e+02
	541	-5.4987e-01	-3.0245e-01	-8.3146e+00	3.5766e+02	1.5379e+02	-3.7364e+02
36	519	-3.0245e-01	-2.0867e+00	7.9481e+00	-4.2895e+01	-9.0569e+01	1.4557e+01
	541	-3.0245e-01	7.8959e-01	7.8330e+00	1.7887e+02	-5.1199e+02	6.2206e+01
	536	2.2332e-01	7.8959e-01	6.5068e+00	2.2259e+02	8.4171e+02	-3.3306e+02
37	52	-9.7770e-01	0.0000e+00	-5.8982e+00	1.4568e+03	1.3367e+02	6.5099e+01
	519	-9.7770e-01	-2.9349e+00	-8.6715e+00	-1.1585e+03	-1.2589e+02	-7.8841e+02
	536	5.3438e+00	0.0000e+00	-4.3668e+00	5.4050e+02	-1.9494e+02	-2.1338e+02
38	523	1.3016e+00	-5.1437e-01	-9.6931e+00	5.5281e+02	-2.2390e+02	-1.2645e+02
	161	1.3016e+00	-2.0155e-14	-9.0773e+00	-4.6891e+02	1.1181e+02	-2.0390e+02
	486	-2.0952e-01	-2.0155e-14	-6.5585e+00	-8.1073e+02	-6.5659e+01	-1.6305e+02
	561	-2.0952e-01	-5.1437e-01	-7.1653e+00	8.7449e+02	2.3654e+02	-7.1716e+01
39	560	-8.9813e-01	-1.0770e-01	-8.2469e+00	3.0709e+01	3.0799e+02	1.9767e+02
	579	-8.9813e-01	1.4507e-16	-9.1626e+00	6.8788e+01	-1.9216e+02	1.9923e+02
	161	1.3016e+00	1.4507e-16	-6.3612e+00	1.1159e+03	2.5722e+02	9.0819e+01
	523	1.3016e+00	-1.0770e-01	-5.6171e+00	-1.0184e+03	6.8494e+01	8.8811e+01
40	540	-9.7369e-01	1.9481e-01	-1.0432e+01	-7.9233e+01	2.4086e+02	1.2644e+02
	560	-9.7369e-01	-1.0770e-01	-7.8156e+00	1.2771e+01	-7.3983e+01	1.6377e+02
	523	-5.6206e-01	-1.0770e-01	-5.6238e+00	8.4770e+02	5.4346e+02	1.1221e+02
	519	-5.6206e-01	1.9481e-01	-8.2701e+00	-8.6903e+02	3.7754e+02	7.5461e+01
41	412	-1.3697e+00	0.0000e+00	-4.1169e+00	-1.1069e+03	-5.5412e+01	-3.4683e+02
	540	-1.3697e+00	1.9481e-01	-1.0134e+01	9.7358e+01	-2.5312e+02	-6.0874e+01
	519	-9.7770e-01	1.9481e-01	-1.1156e+01	8.9098e+02	7.9534e+02	9.7005e+01
	52	-9.7770e-01	0.0000e+00	-5.1383e+00	-1.4964e+03	1.5926e+02	-1.9458e+02
42	557	2.2142e-01	6.2093e-01	-2.5560e+00	-3.6609e+02	1.7772e+02	-7.3191e+01
	490	1.2729e+00	-1.4225e+00	-1.1318e+01	3.1242e+02	-1.1455e+02	1.6483e+02
	488	-1.7775e+01	-1.0538e+00	-8.9657e+00	8.9621e+02	1.4912e+02	-1.6298e+02
	481	-1.4661e+01	-1.9443e+00	4.0125e+00	1.7108e+02	1.3808e+02	-2.2681e+02
43	480	4.7506e+00	-4.1272e+00	7.9355e-01	-1.5323e+02	1.4174e+02	-2.1126e+02
	558	3.7642e+00	-2.9945e+00	8.4684e-01	-2.2130e+02	1.8982e+02	-1.1880e+02
	557	-2.9265e+00	9.1681e-01	1.9471e+00	-9.0082e+01	4.2557e+02	1.0534e+02
	481	-3.5401e+00	-3.3909e+00	3.7012e+00	-1.5015e+02	2.4178e+02	6.4228e+01
44	577	-7.7851e-01	5.2259e-01	2.7468e+00	1.5507e+02	-1.0887e+02	-2.3207e+02
	480	-6.3803e-01	9.0955e-01	2.4071e+00	2.7976e+02	-2.2923e+02	-9.3221e+01
	481	-1.5237e+01	1.0695e+00	2.5353e+00	4.3312e+02	1.8097e+02	-1.1846e+02
	488	-1.4989e+01	6.7138e-01	2.9096e+00	8.0389e+02	-2.1944e+01	-1.8773e+02
45	559	-5.7806e-01	-1.7582e+00	6.3112e+00	-7.7627e+01	-1.6420e+02	7.4908e+01
	558	-5.7806e-01	-1.1865e+00	-2.8819e+00	5.3245e+01	8.0682e+01	1.5992e+02
	480	-6.4553e-01	-1.1865e+00	-3.9326e+00	-5.1341e+01	2.8082e+02	2.5265e+02
	472	-6.4553e-01	5.0934e+00	5.4157e+00	9.1880e+01	1.3718e+02	1.7424e+02
46	489	3.9639e+00	3.0188e+00	1.0430e+01	2.0870e+02	7.4421e+02	4.6445e+02
	578	4.6704e+00	-6.6199e+00	1.1425e+01	-5.2639e+00	-1.3429e+02	2.9543e+02
	559	2.5208e+00	-3.6635e+00	4.3282e+00	-1.1889e+02	1.7718e+02	5.5521e+01
	472	3.2330e+00	2.0774e+01	-2.7570e+00	8.1432e+01	4.3965e+02	1.4304e+02

47	577	7.8680e-14	-3.2608e-01	-3.1537e+00	-7.8853e+01	1.2982e+02	9.0243e+01
	489	8.0469e-14	1.8397e+01	-3.4813e+00	1.3997e+02	9.2802e+02	-7.9651e+01
	472	-6.4553e-01	1.6405e+01	3.1724e+00	2.4878e+02	5.4364e+02	1.7526e+02
	480	-6.4553e-01	-3.2608e-01	-2.5609e+00	-1.1638e+02	3.9696e+02	2.0676e+02
48	24	-9.0223e-02	-7.1381e-02	-1.3626e+00	9.5384e+01	-7.4985e+01	-1.8870e+01
	427	-9.0223e-02	0.0000e+00	-1.4774e+00	4.5097e+02	1.1731e+01	-6.4148e+01
	490	-3.4003e-01	0.0000e+00	-2.4797e+00	-3.9390e+02	-9.4083e+00	-5.6162e+01
	557	-3.4003e-01	-7.1381e-02	-2.4989e+00	5.8287e+02	7.4252e+01	-1.7120e+01
49	505	-7.5230e-02	9.6021e-02	2.5163e+00	6.3321e+01	-1.2516e+01	-9.3904e+01
	428	-7.5230e-02	0.0000e+00	3.1414e+00	4.4655e+02	-1.1158e+01	-6.9130e+01
	427	-9.0223e-02	0.0000e+00	1.5421e+00	5.2073e+02	-4.0962e+00	-4.5251e+01
	24	-9.0223e-02	9.6021e-02	-1.0912e+00	1.2367e+02	-2.1403e+01	-6.9979e+01
50	604	-5.2348e+00	3.2065e+00	1.4835e+00	7.0192e+01	-1.6180e+02	-1.2014e+02
	430	-4.5047e+00	4.4119e+00	2.7389e+00	1.5997e+02	-8.1153e+01	-1.0070e+01
	428	-3.8280e+00	3.7608e+00	2.3371e+00	3.2610e+02	9.0850e+00	9.0985e+01
	505	-3.1064e+00	3.0181e+00	1.8920e+00	1.1508e+02	-1.3334e+02	-7.6065e+01
51	603	-4.9338e+00	4.6533e+00	2.8464e+00	9.9971e+01	-5.8837e+01	-1.5630e+02
	583	-5.4600e+00	5.1862e+00	3.1729e+00	5.5911e+01	-1.4938e+02	-1.4345e+02
	430	-4.1612e+00	4.9670e+00	3.3357e+00	5.7852e+01	-2.3796e+02	-1.7050e+02
	604	-4.6833e+00	4.1096e+00	2.4244e+00	6.6341e+01	-3.1934e+02	-9.1127e+01
52	602	4.7391e+00	-4.7503e+00	4.1725e+00	-3.6952e+02	2.9825e+01	5.0299e+01
	437	4.0065e+00	-5.9023e+00	5.4956e+00	-6.3888e+02	-2.8683e+02	3.4556e+02
	583	5.1126e+00	-5.3876e+00	4.6807e+00	-1.4167e+02	1.1512e+01	1.1475e+02
	603	4.3797e+00	-4.5790e+00	4.0687e+00	-3.0632e+02	1.3191e+02	-3.7735e+01
53	601	4.5023e+00	-5.3981e+00	7.3679e-01	-4.4495e+02	-3.2296e+02	2.4098e+02
	446	4.5023e+00	-6.9087e+00	1.6978e+00	-6.9192e+02	-5.3704e+02	5.3874e+02
	437	6.2831e+00	-7.4431e+00	1.1565e+00	-5.8559e+02	-3.2435e+02	4.7974e+02
	602	6.2831e+00	-5.9319e+00	1.9797e-01	-4.1241e+02	-9.5254e+01	2.9788e+02
54	600	3.6677e+00	-3.6852e+00	1.4890e+00	-1.5001e+02	-1.2694e+02	1.0837e+02
	455	3.7453e+00	-4.0917e+00	1.6731e+00	-6.7554e+02	-1.6081e+02	3.4185e+02
	446	4.1936e+00	-4.3731e+00	1.7233e+00	-1.0022e+03	-1.6234e+02	5.0413e+02
	601	4.2711e+00	-3.8691e+00	1.4168e+00	-4.6632e+02	-1.0812e+02	3.2934e+02
55	599	2.1239e+00	-2.5903e+00	2.1999e+00	-2.9899e+02	1.1290e+02	2.6903e+02
	460	2.1239e+00	-3.2070e+00	2.9978e+00	-5.1473e+02	-9.9116e+01	3.0002e+02
	455	2.9466e+00	-3.4544e+00	3.0775e+00	-6.8876e+02	-6.1297e+01	2.7183e+02
	600	2.9466e+00	-2.8329e+00	2.2732e+00	-2.6819e+02	-6.7643e+01	7.2978e+01
56	598	-7.2049e+00	-2.8178e+00	5.3943e+00	-1.6891e+03	-4.4197e+02	1.2646e+02
	25	-7.7788e+00	-1.5618e+00	4.2890e+00	-3.6323e+03	-5.2996e+02	1.2381e+03
	460	1.4560e+00	-9.6464e-01	1.9301e+00	-1.2568e+03	-1.7425e+02	8.0625e+02
	599	8.9818e-01	-2.3433e+00	3.4408e+00	-8.4109e+02	3.0496e+02	1.4310e+02
57	597	-1.4158e+00	-1.1858e-01	-1.4459e+00	-4.8433e+02	-2.3240e+02	-6.1269e+01
	24	-1.4158e+00	-7.1381e-02	-1.5120e+00	-1.1234e+02	-1.0117e+02	-1.6910e+01
	557	-2.2564e+00	-7.1381e-02	-2.4790e+00	-4.8871e+02	1.0672e+02	-6.2265e+00
	537	-2.2564e+00	-1.1858e-01	-2.1799e+00	2.4471e+02	2.4016e+02	-6.8223e+01
58	596	-1.2798e+00	8.8592e-02	3.2887e+00	-5.0181e+02	8.0754e+00	-9.0281e+01
	505	-1.2798e+00	9.6021e-02	2.6923e+00	-1.2762e+02	-1.6845e+01	-9.4327e+01
	24	-1.4158e+00	9.6021e-02	-1.1371e+00	-1.4673e+02	-4.5099e+01	-7.8841e+01
	597	-1.4158e+00	8.8592e-02	-1.5358e+00	-5.0148e+02	-7.8895e+01	-7.4781e+01
59	595	-1.1041e+00	9.7509e-02	4.7091e+00	-2.7753e+02	6.0663e+01	-1.1268e+02
	604	-1.1041e+00	-2.3012e-02	3.9882e+00	-1.1219e+02	2.8366e+01	-1.6901e+02
	505	-1.2798e+00	-2.3012e-02	3.7904e+00	-8.4558e+01	-5.6963e+01	-1.4854e+02
	596	-1.2798e+00	9.7509e-02	4.5111e+00	-5.1045e+02	-1.1074e+02	-9.2200e+01
60	594	-8.2564e-01	3.1418e-02	6.5909e+00	2.6858e+02	8.6955e+01	-1.0570e+02
	603	-8.2564e-01	-8.5370e-03	5.4993e+00	-4.3507e+01	1.3185e+02	-1.8572e+02
	604	-1.1041e+00	-8.5370e-03	4.6341e+00	-9.2187e+01	-1.3941e+02	-1.7624e+02
	595	-1.1041e+00	3.1418e-02	5.7214e+00	-1.3445e+02	-1.0134e+02	-9.6246e+01
61	593	-6.4813e-02	6.8652e-03	7.5271e+00	8.0212e+02	1.3375e+02	-1.3504e+02

	602	-6.4813e-02	7.6064e-02	6.6190e+00	-5.2751e+01	6.4111e+01	-2.0439e+02
	603	-8.2564e-01	7.6064e-02	5.9751e+00	3.7261e+01	-2.5658e+01	-1.8923e+02
	594	-8.2564e-01	6.8652e-03	6.8836e+00	4.0540e+02	-1.0634e+02	-1.1978e+02
62	592	3.9647e-01	-2.8126e-01	5.0055e+00	1.0659e+03	1.9671e+01	-7.0387e+01
	601	3.9647e-01	-1.4332e-01	4.5175e+00	-2.9320e+01	-5.2764e+01	-9.6836e+01
	602	-6.4813e-02	-1.4332e-01	6.3048e+00	4.5362e+01	4.4093e+01	-1.2636e+02
	593	-6.4813e-02	-2.8126e-01	6.7853e+00	8.7547e+02	1.2518e+01	-9.9861e+01
63	591	-5.1400e-01	9.5744e-02	4.1888e+00	8.4493e+02	-1.2707e+02	-6.9761e+01
	600	-5.1400e-01	7.8179e-02	4.0250e+00	8.5937e+01	-2.3741e+01	-3.8619e+01
	601	3.9647e-01	7.8179e-02	3.9337e+00	1.2063e+02	1.1424e+02	3.2552e+01
	592	3.9647e-01	9.5744e-02	4.1032e+00	9.9760e+02	1.7674e+02	-1.1420e+01
64	590	2.8072e-01	4.7948e-02	3.9103e+00	8.3038e+02	1.1681e+02	-1.9884e+02
	599	2.8072e-01	-1.0813e-01	3.7627e+00	-1.9608e+02	2.3132e+02	-1.7378e+02
	600	-5.1400e-01	-1.0813e-01	3.6907e+00	-4.7752e+01	-8.7690e+01	-3.7828e+01
	591	-5.1400e-01	4.7948e-02	3.8476e+00	8.1210e+02	-7.1543e+01	-6.2664e+01
65	589	8.1355e-01	3.3240e-01	2.4137e+00	8.0698e+02	-8.0878e+01	-3.0545e+02
	598	8.1355e-01	-6.8363e-01	2.8276e+00	-9.8720e+02	-3.4201e+02	-1.9150e+02
	599	2.8072e-01	-6.8363e-01	4.2089e+00	-4.1150e+02	2.8336e+02	-1.7640e+02
	590	2.8072e-01	3.3240e-01	3.8011e+00	7.8096e+02	-3.5123e+01	-2.9058e+02
66	415	-3.3374e+00	0.0000e+00	-2.3342e+00	-1.2999e+03	-7.2988e+01	-3.3368e+02
	597	-3.3374e+00	-1.1858e-01	-1.6693e+00	-5.8305e+02	-2.5270e+02	-6.5582e+01
	537	-1.4151e+00	-1.1858e-01	-1.4662e+00	-2.2500e+02	2.5631e+02	-7.1158e+01
	53	-1.4151e+00	0.0000e+00	-2.3155e+00	-2.1510e+02	8.0751e+01	-3.3959e+02
67	418	-1.7668e+00	0.0000e+00	3.0421e+00	-1.2560e+03	1.4736e+01	2.7094e+01
	596	-1.7668e+00	8.8592e-02	3.3237e+00	-7.0223e+02	1.2015e+01	-3.7566e+01
	597	-3.3374e+00	8.8592e-02	-1.5012e+00	-7.5589e+02	-9.0654e+01	-1.3929e+02
	415	-3.3374e+00	0.0000e+00	-1.1245e+00	-1.5411e+03	-1.9986e+01	-7.8287e+01
68	425	-1.2342e+00	2.2811e-29	3.6874e+00	-5.6849e+02	6.5173e+01	1.7171e+02
	595	-1.2342e+00	9.7509e-02	4.9399e+00	-3.5787e+02	7.6741e+01	-2.5621e+01
	596	-1.7668e+00	9.7509e-02	4.5456e+00	-5.4700e+02	-1.4789e+02	-9.1267e+01
	418	-1.7668e+00	3.0055e-29	3.2926e+00	-1.0863e+03	-6.5787e+01	1.0631e+02
69	450	-1.5543e+00	2.8078e-29	4.5342e+00	5.1706e+02	4.1863e+01	1.8599e+02
	594	-1.5543e+00	3.1418e-02	6.6702e+00	2.6062e+02	9.2172e+01	-8.4076e+00
	595	-1.2342e+00	3.1418e-02	5.9537e+00	-1.2525e+02	-1.0144e+02	-1.2209e+01
	425	-1.2342e+00	2.3692e-29	3.8259e+00	-2.2933e+02	-4.5663e+01	1.7812e+02
70	451	-7.1752e-01	0.0000e+00	6.1751e+00	1.9188e+03	7.3705e+01	1.8825e+02
	593	-7.1752e-01	6.8652e-03	7.8095e+00	9.7336e+02	1.7892e+02	-9.1832e+01
	594	-1.5543e+00	6.8652e-03	6.9626e+00	6.1496e+02	-1.2759e+02	-2.4907e+01
	450	-1.5543e+00	0.0000e+00	5.3275e+00	1.0031e+03	-8.0135e+01	2.5500e+02
71	454	1.1055e+00	0.0000e+00	4.5413e+00	2.7556e+03	1.6700e+01	-1.2741e+01
	592	1.1055e+00	-2.8126e-01	4.6020e+00	1.3797e+03	5.6790e+01	-1.0028e+02
	593	-7.1752e-01	-2.8126e-01	7.0670e+00	1.2501e+03	1.1399e+01	1.0894e+01
	451	-7.1752e-01	0.0000e+00	7.0422e+00	2.3166e+03	-2.7875e+01	9.4757e+01
72	457	-5.5398e-01	-8.9355e-15	4.3345e+00	1.7844e+03	-5.6443e+01	-2.7695e+02
	591	-5.5398e-01	9.5744e-02	4.4939e+00	1.1184e+03	-1.4205e+02	-8.0045e+01
	592	1.1055e+00	9.5744e-02	3.7096e+00	1.4081e+03	2.0225e+02	1.1901e+01
	454	1.1055e+00	-7.2592e-15	3.5242e+00	2.5603e+03	5.3052e+01	-1.8893e+02
73	462	-6.5874e-01	2.2537e-29	3.6395e+00	1.8734e+03	1.7600e+01	-1.2661e+02
	590	-6.5874e-01	4.7948e-02	3.4650e+00	1.0010e+03	1.0939e+02	-1.7589e+02
	591	-5.5398e-01	4.7948e-02	4.1541e+00	9.9419e+02	-6.5628e+01	-1.1036e+02
	457	-5.5398e-01	2.6786e-29	4.3255e+00	1.6067e+03	-2.1754e+01	-6.3357e+01
74	414	6.8888e+00	-1.2284e-14	3.0049e+00	3.5376e+03	5.6282e+01	3.9476e+01
	589	6.8888e+00	3.3240e-01	3.1324e+00	1.4970e+03	8.4287e+01	-3.2437e+02
	590	-6.5874e-01	3.3240e-01	3.3518e+00	1.1784e+03	-7.3665e+01	-2.6417e+02
	462	-6.5874e-01	-1.3087e-14	3.2089e+00	2.3497e+03	-9.3740e+01	6.1929e+01
75	575	-1.8328e+00	9.3574e-01	1.9969e+00	2.1572e+02	-1.7359e+02	-7.1671e+01
	410	-1.5622e+00	1.3185e+00	2.6867e+00	1.3619e+03	-8.8280e+01	2.2526e+02

	471	-5.4658e-01	4.9122e-01	1.0054e+00	1.9077e+03	7.2534e+01	3.4582e+02
	576	-2.7670e-01	1.4648e-01	4.5906e-01	1.0589e+02	-2.2260e+01	-1.8983e+02
76	574	-3.5989e+00	2.6890e+00	2.2616e+00	1.8623e+02	-1.3689e+02	-4.4360e+01
	408	-3.5989e+00	3.4013e+00	2.8695e+00	9.3811e+02	-4.2147e+01	2.6140e+02
	410	-2.5140e+00	3.1969e+00	2.8968e+00	9.0337e+02	8.0439e+01	2.1716e+02
	575	-2.5140e+00	2.4847e+00	2.2890e+00	-3.4624e+01	-6.8265e+01	-1.4351e+02
77	573	-5.6265e+00	4.7360e+00	3.9204e-01	2.8561e+02	-1.0797e+02	1.0576e+02
	405	-5.3864e+00	5.7683e+00	1.1225e+00	5.1784e+02	9.6279e+00	2.5347e+02
	408	-4.8448e+00	5.1907e+00	1.0110e+00	6.1753e+02	1.6508e+02	3.0110e+02
	574	-4.6047e+00	4.4895e+00	6.7792e-01	9.7714e+01	-8.5222e+01	-1.0684e+02
78	572	-4.8629e+00	4.8401e+00	2.4355e+00	1.4696e+02	-1.9026e+02	-4.0625e+01
	585	-5.2940e+00	5.2850e+00	2.6473e+00	1.0583e+02	-7.5148e+00	9.5567e+01
	405	-4.5607e+00	5.6208e+00	3.1456e+00	4.5752e+02	3.0863e+02	2.8400e+02
	573	-4.9917e+00	4.8369e+00	2.3931e+00	1.8886e+02	8.4599e+01	-3.1489e+01
79	571	4.4256e+00	-4.1341e+00	3.4709e+00	2.1545e+01	4.1574e+02	-1.2749e+02
	404	4.1520e+00	-4.5180e+00	3.9561e+00	1.8770e+02	4.5995e+02	-4.1676e+02
	585	4.3761e+00	-4.3852e+00	3.7602e+00	-8.2311e+01	1.7806e+02	-2.7391e+02
	572	4.1025e+00	-4.1155e+00	3.5249e+00	-1.6432e+02	-5.9319e+01	-1.2969e+02
80	570	4.5648e+00	-4.3204e+00	1.3336e+00	-4.3390e+01	2.6106e+02	-1.1230e+02
	403	4.6798e+00	-4.9417e+00	1.7023e+00	5.9971e+01	2.4869e+02	-1.8321e+02
	404	5.3879e+00	-5.3976e+00	1.7591e+00	1.3490e+02	2.4219e+02	-2.2274e+02
	571	5.5031e+00	-4.6499e+00	1.2203e+00	1.5399e+01	1.8863e+02	-1.7045e+02
81	569	2.6390e+00	-2.4669e+00	1.8517e+00	3.4632e+01	2.0354e+02	-1.2612e+02
	402	2.6699e+00	-3.0060e+00	2.3656e+00	2.8913e+01	1.4627e+02	-1.3886e+02
	403	3.8882e+00	-3.5081e+00	2.5693e+00	1.2334e+02	1.5663e+02	-2.0022e+02
	570	3.9192e+00	-2.9517e+00	2.0234e+00	2.7087e+01	1.1973e+02	-1.6336e+02
82	568	6.1480e-01	3.5874e-01	-5.6011e-01	6.9762e+01	6.0658e+01	-7.2414e+01
	401	8.8647e-01	-4.7187e-01	9.2911e-01	3.8679e+01	2.7304e+01	-5.5293e+01
	402	1.7733e+00	-1.1023e+00	2.1936e+00	7.8996e+01	4.6434e+01	-1.0659e+02
	569	2.0606e+00	-9.4827e-01	1.5076e+00	1.0023e+02	7.1184e+01	-1.3313e+02
83	567	-2.8301e-01	-1.2950e-01	-2.2938e+00	-2.2746e+02	-1.3982e+02	-4.6283e+01
	470	-2.8301e-01	1.9864e-15	-1.8203e+00	1.7451e+02	-1.9730e+01	-2.0818e+01
	401	4.5876e-01	-1.3945e-15	-8.2644e-01	3.6876e+01	1.2332e+01	1.2762e+01
	568	4.5876e-01	-1.2950e-01	-1.1617e+00	7.3738e+01	1.2304e+02	-3.3826e+01
84	566	-1.6024e+00	-2.3265e-01	-2.7056e+00	8.7088e+01	2.0559e+02	-1.5597e+02
	581	-1.6024e+00	-2.2694e-15	-5.0120e+00	9.2178e+01	3.6532e+01	-2.0021e+02
	470	-2.8301e-01	-2.2694e-15	-3.1851e+00	-1.6794e+02	-4.1576e+01	-1.5789e+02
	567	-2.8301e-01	-2.3265e-01	-9.4361e-01	1.6586e+02	-2.5156e+02	-1.1359e+02
85	565	1.1630e+01	-2.2641e+00	3.0326e+00	-1.2185e+02	-7.4222e+01	-1.0670e+02
	483	8.6129e+00	-4.4504e+00	-7.4658e+00	-4.5219e+02	1.7582e+01	-5.5029e+01
	581	3.3370e+00	-4.6109e+00	-8.4708e+00	-3.3445e+01	3.9994e+01	-3.6665e+01
	566	-1.5978e+00	-2.3799e+00	-3.1470e+00	1.2940e+02	8.5277e+01	-1.4082e+02
86	564	-1.2119e+01	-2.9546e+00	-4.6414e+00	4.1945e+02	-1.5818e+02	1.1712e+02
	482	-1.1653e+01	-1.7130e+00	-4.1141e+00	-1.0324e+03	-7.4213e+01	-2.4186e+02
	483	1.1564e+01	-1.6299e+00	-2.4704e+00	-4.7269e+02	8.5580e+01	9.8245e+01
	565	1.1720e+01	-3.0059e+00	4.2706e+00	-9.7377e+01	1.2722e+02	1.8381e+01
87	562	8.5095e-02	1.5146e-01	-8.7296e+00	-3.3117e+01	1.5929e+01	-1.1381e+02
	580	8.5095e-02	-9.3057e-15	-9.6464e+00	-7.5078e+01	2.5658e+01	-1.5452e+02
	484	1.0285e+00	-9.3057e-15	-7.7457e+00	-9.1014e+02	-1.0868e+01	-1.3867e+02
	563	1.0285e+00	1.5146e-01	-6.8291e+00	5.8954e+02	3.6597e+01	-9.4146e+01
88	561	-2.0952e-01	-9.0628e-02	-7.5431e+00	-6.1423e+02	-1.4332e+02	-1.2307e+02
	486	-2.0952e-01	9.0483e-15	-8.2003e+00	6.2129e+02	-1.5324e+01	-1.2085e+02
	580	8.5095e-02	4.7096e-15	-9.5417e+00	4.4379e+01	-1.1631e+01	-1.0814e+02
	562	8.5095e-02	-9.0628e-02	-8.8843e+00	-2.6088e+01	1.0869e+02	-1.1054e+02
89	559	-1.9545e+00	3.1542e-01	-6.1793e+00	-7.0893e+01	-1.9599e+02	-5.0013e+01
	578	-1.9545e+00	-1.1964e-15	-7.9802e+00	9.6353e+00	-3.2351e+01	3.6578e+01
	579	-8.9813e-01	-1.1964e-15	-9.1152e+00	2.4162e+01	7.3787e+00	8.2432e+01

	560	-8.9813e-01	3.1542e-01	-7.3599e+00	5.3591e+01	8.6470e+01	5.4157e+01
90	555	-4.8768e-01	-5.5296e-01	3.3110e+00	-2.3944e+03	6.5648e+01	-8.8870e+01
	575	-4.8768e-01	-7.5939e-02	2.1206e+00	-7.8163e+02	-5.9543e+01	-1.2773e+02
	576	-2.5121e+00	-7.5939e-02	6.0325e-01	-6.8775e+02	-1.8171e+01	-1.9982e+02
	556	-2.5121e+00	-5.5296e-01	1.7931e+00	-2.6759e+03	-5.7779e+01	-1.6087e+02
91	554	-5.9390e-01	-1.8356e-01	4.3590e+00	-1.9061e+03	5.0693e+01	-4.6450e+01
	574	-5.9390e-01	-1.2633e-01	3.8939e+00	-6.5646e+02	5.9700e+00	-1.1816e+02
	575	-4.8768e-01	-1.2633e-01	3.1186e+00	-6.6205e+02	-5.3270e+01	-1.9866e+02
	555	-4.8768e-01	-1.8356e-01	3.5835e+00	-2.2968e+03	-3.9824e+01	-1.2690e+02
92	553	-3.4932e-01	7.3662e-02	5.4595e+00	-1.4484e+03	1.1074e+01	-4.4880e+01
	573	-3.4932e-01	2.0673e-02	5.0218e+00	-5.8165e+02	-4.7371e+01	-9.9249e+01
	574	-5.9390e-01	2.0673e-02	4.5980e+00	-5.0034e+02	1.7597e+01	-1.6185e+02
	554	-5.9390e-01	7.3662e-02	5.0356e+00	-1.7960e+03	1.0671e+01	-1.0745e+02
93	552	1.1300e-01	1.0667e-02	6.0807e+00	-1.0782e+03	1.4860e+01	-7.6780e+01
	572	1.1300e-01	-1.3890e-02	5.4883e+00	-3.1544e+02	-4.0451e+01	-1.4441e+02
	573	-3.4932e-01	-1.3890e-02	5.3338e+00	-3.6975e+02	6.0159e+01	-1.6607e+02
	553	-3.4932e-01	1.0667e-02	5.9261e+00	-1.3776e+03	2.1461e+01	-9.8451e+01
94	551	4.0396e-01	-2.6343e-02	5.9639e+00	-7.0335e+02	1.0073e+02	-5.6441e+01
	571	4.0396e-01	-4.0274e-03	5.3733e+00	-1.5005e+02	1.7431e+02	-1.2596e+02
	572	1.1300e-01	-4.0274e-03	5.4736e+00	-2.4551e+02	-1.7928e+02	-1.5194e+02
	552	1.1300e-01	-2.6343e-02	6.0640e+00	-9.2630e+02	-8.3128e+01	-8.2403e+01
95	550	8.3538e-01	1.4246e-02	5.1264e+00	-2.1809e+02	5.3066e+01	-7.3117e+01
	570	8.3538e-01	1.6602e-02	4.5644e+00	3.3751e+01	5.1374e+01	-1.4772e+02
	571	4.0396e-01	1.6602e-02	5.0792e+00	-1.3283e+02	-6.8997e+01	-1.7106e+02
	551	4.0396e-01	1.4246e-02	5.6410e+00	-5.1543e+02	-5.4227e+01	-9.6462e+01
96	549	1.4519e+00	-1.1912e-02	3.5350e+00	2.0655e+02	9.1251e+01	-7.4408e+01
	569	1.4519e+00	1.7498e-02	3.0718e+00	1.6883e+02	7.5041e+01	-1.3648e+02
	570	8.3538e-01	1.7498e-02	3.8862e+00	1.2171e+02	-4.7321e+01	-1.4859e+02
	550	8.3538e-01	-1.1912e-02	4.3495e+00	-9.2088e+01	-5.4535e+01	-8.6523e+01
97	548	1.6041e+00	-1.6219e-01	1.0746e+00	3.0508e+02	6.8911e+01	-7.8007e+01
	568	1.6041e+00	-1.4720e-01	-6.5160e-01	1.9362e+02	4.5554e+01	-8.3394e+01
	569	1.4519e+00	-1.4720e-01	1.8892e+00	2.1501e+02	2.4251e+01	-1.0268e+02
	549	1.4519e+00	-1.6219e-01	2.4736e+00	2.6128e+02	1.7909e+01	-9.7304e+01
98	547	8.5931e-01	-8.4677e-02	-1.6413e+00	2.4430e+01	-2.3062e+02	-8.8390e+01
	567	8.5931e-01	-1.2950e-01	-2.2620e+00	1.7440e+02	-1.6534e+02	-3.4846e+01
	568	1.6041e+00	-1.2950e-01	-1.1879e+00	1.7783e+02	1.3954e+02	-3.0002e+01
	548	1.6041e+00	-8.4677e-02	-7.7742e-01	3.0368e+02	2.0095e+02	-8.3330e+01
99	546	2.1561e+00	-1.6806e-01	-5.4084e+00	3.7460e+02	3.1764e+02	-8.3534e+01
	566	2.1561e+00	-2.3265e-01	-3.1315e+00	1.0560e+02	2.5947e+02	-1.8105e+02
	567	8.5931e-01	-2.3265e-01	-7.3146e-01	-2.0231e+02	-3.0443e+02	-1.4656e+02
	547	8.5931e-01	-1.6806e-01	-2.8400e+00	2.6995e+02	-3.9587e+02	-4.9158e+01
100	545	3.9651e+00	-8.0356e-01	-6.3701e+00	4.2049e+02	5.2549e+01	-9.6843e+01
	565	3.9651e+00	-7.6088e-01	-4.2259e+00	8.7139e+01	-2.3235e+01	-9.4196e+01
	566	2.1561e+00	-7.6088e-01	-3.9267e+00	1.5540e+02	1.5273e+02	-9.8932e+01
	546	2.1561e+00	-8.0356e-01	-6.3023e+00	3.5115e+02	8.8579e+01	-1.0168e+02
101	544	-5.5346e+00	-1.1052e+00	-5.8345e+00	6.2308e+02	-1.4825e+02	-6.5409e+01
	564	-5.5346e+00	-1.4615e+00	-4.5492e+00	-6.2928e+02	-1.5900e+02	2.5285e+01
	565	3.9651e+00	-1.4615e+00	-4.9345e+00	3.6319e+01	1.4200e+02	3.0412e+01
	545	3.9651e+00	-1.1052e+00	-6.6798e+00	4.0534e+02	1.3740e+02	-5.2613e+01
102	542	6.2007e-02	6.3050e-02	-9.7813e+00	-2.2744e+01	-1.0696e+01	-8.6771e+01
	562	6.2007e-02	1.5146e-01	-8.7929e+00	-9.0308e+01	4.1529e+01	-1.0639e+02
	563	3.8296e-01	1.5146e-01	-6.8082e+00	-8.2257e+02	4.2143e+01	-7.5501e+01
	543	3.8296e-01	6.3050e-02	-7.7965e+00	6.0476e+02	2.4010e+01	-6.0776e+01
103	541	4.0781e-01	-3.6593e-02	-8.0579e+00	-7.3934e+02	-2.0414e+02	-9.6610e+01
	561	4.0781e-01	-9.0628e-02	-7.0606e+00	6.0219e+02	-1.6260e+02	-7.1186e+01
	562	6.2007e-02	-9.0628e-02	-8.9474e+00	-1.9985e+01	8.5052e+01	-8.9840e+01
	542	6.2007e-02	-3.6593e-02	-9.9445e+00	-2.3694e+01	1.3997e+02	-1.1534e+02

104	539	-1.1135e+00	3.6455e-01	-8.5994e+00	-5.2315e+02	-1.7602e+02	-8.0885e+01
	559	-1.1135e+00	3.1542e-01	-6.8148e+00	-2.1713e+02	-2.3420e+02	2.4579e+01
	560	-9.7369e-01	3.1542e-01	-6.9371e+00	-7.4339e+01	8.7852e+01	4.3296e+01
	540	-9.7369e-01	3.6455e-01	-8.6373e+00	-1.7553e+02	1.4982e+01	-6.0714e+01
105	538	-1.7933e+00	-2.7613e-01	-3.0978e+00	-4.7104e+02	3.3372e+01	-4.8680e+01
	558	-1.7933e+00	-5.7806e-01	2.5808e+00	-1.0790e+02	4.9926e+01	-1.0270e+02
	559	-1.1135e+00	-5.7806e-01	-5.7480e+00	-1.8556e+02	-1.0526e+02	-6.9550e+01
	539	-1.1135e+00	-2.7613e-01	-6.6992e+00	-6.2767e+02	-1.2059e+02	-1.9596e+01
106	537	-2.2564e+00	6.4250e-01	-2.4450e+00	-2.1827e+02	5.2690e+02	-6.3943e+01
	557	-2.2564e+00	8.2222e-01	-1.2377e+00	2.2003e+02	3.0588e+02	-1.6588e+02
	558	-1.7933e+00	8.2222e-01	2.5124e+00	-5.3890e+01	-1.9873e+02	-2.1375e+02
	538	-1.7933e+00	6.4250e-01	2.3442e+00	-4.4602e+02	-3.7121e+02	-1.0561e+02
107	411	-2.0629e+00	2.1106e-15	5.7290e-01	-4.7630e+03	8.3106e+01	2.6113e+02
	555	-2.0629e+00	-5.5296e-01	2.8985e+00	-3.0675e+03	6.9301e+01	6.5091e+00
	556	-7.6973e+00	-5.5296e-01	2.9049e+00	-3.3807e+03	-1.3764e+02	-1.2359e+02
	61	-7.6973e+00	2.1862e-15	5.8003e-01	-5.6992e+03	-4.7825e+01	1.3660e+02
108	409	-8.7819e-01	-8.3225e-15	4.0443e+00	-3.6579e+03	4.6419e+01	2.0073e+02
	554	-8.7819e-01	-1.8356e-01	4.4172e+00	-2.4056e+03	4.1653e+01	3.2143e+01
	555	-2.0629e+00	-1.8356e-01	3.1711e+00	-2.7026e+03	-7.0976e+01	-3.8095e+01
	411	-2.0629e+00	-5.7477e-15	2.7984e+00	-4.2927e+03	-2.5396e+01	1.3138e+02
109	187	-3.8101e-01	0.0000e+00	4.8357e+00	-2.8160e+03	4.1896e+01	1.7252e+02
	553	-3.8101e-01	7.3662e-02	5.5303e+00	-1.8876e+03	7.2173e+00	2.7882e+01
	554	-8.7819e-01	7.3662e-02	5.0937e+00	-2.0947e+03	-2.6988e+01	-2.3817e+01
	409	-8.7819e-01	0.0000e+00	4.3993e+00	-3.3170e+03	-2.0005e+01	1.2156e+02
110	407	1.4767e-01	-1.0143e-14	5.1215e+00	-2.0872e+03	3.5863e+01	1.4262e+02
	552	1.4767e-01	1.0667e-02	6.1950e+00	-1.3203e+03	1.2747e+01	5.5887e+00
	553	-3.8101e-01	1.0667e-02	5.9970e+00	-1.5837e+03	-1.4795e+01	-2.3211e+01
	187	-3.8101e-01	-9.7306e-15	4.9236e+00	-2.5488e+03	-1.7571e+01	1.1608e+02
111	406	4.6503e-01	9.9511e-15	4.9214e+00	-1.4260e+03	4.3710e+01	1.4693e+02
	551	4.6503e-01	-2.6343e-02	6.0121e+00	-8.6723e+02	7.9864e+01	1.4527e+01
	552	1.4767e-01	-2.6343e-02	6.1783e+00	-1.1106e+03	-9.2030e+01	-1.7184e+01
	407	1.4767e-01	1.0297e-14	5.0879e+00	-1.7935e+03	-2.9381e+01	1.1649e+02
112	186	1.3084e+00	-5.6579e-33	4.3084e+00	-5.9133e+02	3.2361e+01	1.4292e+02
	550	1.3084e+00	1.4246e-02	5.1464e+00	-3.6085e+02	5.4653e+01	4.0763e+00
	551	4.6503e-01	1.4246e-02	5.6893e+00	-6.6938e+02	-6.2320e+01	-1.7753e+01
	406	4.6503e-01	-2.2869e-33	4.8520e+00	-1.0891e+03	-2.8103e+01	1.2608e+02
113	400	2.1024e+00	2.3177e-32	2.9167e+00	3.1583e+02	3.9035e+01	1.0610e+02
	549	2.1024e+00	-1.1912e-02	3.6948e+00	1.7070e+02	9.4918e+01	-4.0686e+01
	550	1.3084e+00	-1.1912e-02	4.3696e+00	-8.8891e+01	-6.4791e+01	-1.0935e+01
	186	1.3084e+00	1.5785e-32	3.5921e+00	-2.4812e+02	-3.1908e+01	1.3703e+02
114	399	3.4661e+00	4.6853e-32	-6.0949e-01	8.0750e+02	2.4753e+01	-5.0398e+01
	548	3.4661e+00	-1.6219e-01	-9.0407e-01	3.9668e+02	7.7760e+01	-1.1876e+02
	549	2.1024e+00	-1.6219e-01	2.6316e+00	3.4589e+02	6.8799e+00	-3.4935e+01
	400	2.1024e+00	2.6775e-32	2.3085e+00	5.4650e+02	-1.4215e+01	3.3839e+01
115	60	1.5857e+00	2.3017e-16	-2.3439e+00	-4.7591e+01	-5.8460e+01	-2.2520e+02
	547	1.5857e+00	-8.4677e-02	-1.1119e+00	4.3500e+01	-2.3003e+02	-5.7075e+01
	548	3.4661e+00	-8.4677e-02	-9.3731e-01	3.2204e+02	2.0715e+02	-7.6473e+01
	399	3.4661e+00	2.7523e-16	-2.0616e+00	6.6973e+02	5.0030e+01	-2.4508e+02
116	91	3.6792e+00	0.0000e+00	-1.8813e+00	8.6432e+02	8.0862e+01	1.7880e+02
	546	3.6792e+00	-1.6806e-01	-5.0604e+00	3.5154e+02	3.5326e+02	-8.0610e+01
	547	1.5857e+00	-1.6806e-01	-3.6146e+00	-2.5972e+02	-3.9642e+02	-9.5437e+01
	60	1.5857e+00	0.0000e+00	-4.4145e-01	4.0094e+02	-1.0985e+02	1.6427e+02
117	168	2.6446e+00	0.0000e+00	-3.7819e+00	1.2003e+03	1.8481e+01	-1.1011e+02
	545	2.6446e+00	-8.0356e-01	-6.0189e+00	5.7180e+02	7.0302e+01	-1.5801e+02
	546	3.6792e+00	-8.0356e-01	-5.9627e+00	5.3900e+02	7.0779e+01	-2.6443e+01
	91	3.6792e+00	0.0000e+00	-3.5349e+00	1.0329e+03	-6.1389e+00	2.3457e+01
118	1	-6.6848e-01	-3.5299e-15	-3.5487e+00	1.2160e+03	-4.5108e+01	-2.8738e+02

	544	-6.6848e-01	-1.1052e+00	-7.1284e+00	-4.7037e+02	-1.4230e+02	-1.2877e+02
	545	2.6446e+00	-1.1052e+00	-6.4019e+00	4.4392e+02	1.7356e+02	-5.8270e+01
	168	2.6446e+00	-2.7977e-15	-2.8466e+00	1.1120e+03	2.6691e+01	-2.1599e+02
119	421	-1.9487e-01	6.3277e-31	-8.9374e+00	1.3336e+02	-1.9156e+01	-1.2748e+02
	542	-1.9487e-01	6.3050e-02	-1.0441e+01	-3.0639e+01	1.9709e+01	-9.5945e+01
	543	-1.4005e+00	6.3050e-02	-7.0744e+00	-5.8476e+02	2.0875e+01	-6.4102e+01
	58	-1.4005e+00	-1.0526e-30	-5.5691e+00	8.6815e+02	9.1588e+00	-9.1951e+01
120	536	7.8959e-01	1.1180e-14	-5.6430e+00	-6.6424e+02	-3.7486e+01	-6.2962e+01
	541	7.8959e-01	-3.6593e-02	-7.5594e+00	4.7714e+02	-1.7895e+02	-2.4357e+01
	542	-1.9487e-01	-3.6593e-02	-1.0604e+01	-3.6723e+01	9.9737e+01	-1.1063e+02
	421	-1.9487e-01	1.7484e-14	-8.6871e+00	5.5301e+01	3.4029e+01	-1.5122e+02
121	398	-1.2644e+00	-3.0345e-31	-5.8758e+00	-1.3192e+03	-4.2739e+01	-2.0403e+02
	539	-1.2644e+00	3.6455e-01	-8.2828e+00	-6.8136e+02	-1.6222e+02	-7.4179e+01
	540	-1.3697e+00	3.6455e-01	-8.3435e+00	-3.5072e+02	1.0035e+01	-2.3547e+02
	412	-1.3697e+00	-2.5930e-31	-5.9449e+00	-1.0294e+03	2.4571e+01	-3.6634e+02
122	413	-4.0027e+00	-4.5846e-15	-2.4281e+00	-1.4143e+03	7.6405e+00	5.4810e+01
	538	-4.0027e+00	-2.7613e-01	-3.2866e+00	-6.9982e+02	-1.7428e+01	3.6309e+01
	539	-1.2644e+00	-2.7613e-01	-6.4179e+00	-7.3517e+02	-1.1456e+02	-9.1248e+01
	398	-1.2644e+00	-1.0641e-14	-5.4043e+00	-1.4660e+03	-1.3487e+01	-7.2632e+01
123	53	-1.4151e+00	-1.3666e-30	-3.3183e-01	-5.4530e+02	1.5094e+02	1.9523e+02
	537	-1.4151e+00	6.4250e-01	-2.2256e+00	2.8032e+02	5.3865e+02	-1.5230e+02
	538	-4.0027e+00	6.4250e-01	-2.1987e+00	-5.1018e+02	-4.3525e+02	-9.5967e+01
	413	-4.0027e+00	-1.4427e-30	1.3719e+00	-1.2004e+03	-1.0307e+02	2.5229e+02
251	394	-2.5385e+00	3.0671e+00	-3.5359e+00	1.2554e+02	-4.2031e+01	-5.8265e+01
	397	-2.5385e+00	1.2593e-15	1.9835e+01	5.9240e+01	-9.2440e+01	1.1033e+02
	504	6.6025e+01	1.2593e-15	2.5728e+01	4.8257e+02	7.6897e+01	1.0685e+02
	395	6.6025e+01	3.0671e+00	2.9014e+00	6.6907e+01	3.6442e+01	-6.8705e+01
252	393	1.6541e+00	1.9859e+00	-3.9444e+00	-1.0518e+02	4.0609e+01	-3.0176e+01
	396	1.6541e+00	-4.6270e-15	-3.7110e+00	-1.8368e+01	-8.7169e+00	2.5857e+01
	397	-2.5385e+00	-1.1933e-14	-1.9854e+00	-2.0241e+01	1.3825e+01	1.8071e+01
	394	-2.5385e+00	1.9859e+00	-2.2203e+00	8.7351e+01	3.5646e+01	-4.3856e+01
253	392	-4.3356e+01	-5.0359e-01	6.7896e+00	-9.9585e+01	-2.1390e+01	-2.1702e+01
	503	-4.3356e+01	4.6762e-15	1.4063e+01	-4.0632e+02	-6.4509e+01	1.1801e+02
	396	1.6541e+00	4.6762e-15	5.1206e+00	-5.2017e+01	7.7358e+01	1.1111e+02
	393	1.6541e+00	-5.0359e-01	-3.0505e+00	-1.5012e+02	4.6287e+01	-2.6278e+01
254	389	1.1713e+01	2.5708e+00	6.8943e+00	-4.5803e+01	4.0705e+01	-5.9228e+01
	394	1.1713e+01	3.0671e+00	-1.8327e+00	-7.3219e+01	1.5474e+01	-7.9442e+01
	395	3.7851e+01	3.0671e+00	-2.5296e+00	9.6307e+01	-3.2526e+01	-7.2654e+01
	391	3.7851e+01	2.5708e+00	4.3204e+00	-1.3976e+02	-7.3310e+01	-5.3422e+01
255	379	-5.7238e+00	3.6028e+00	8.3465e+00	-7.0563e+01	6.7830e+01	-8.6706e+01
	393	-5.7238e+00	1.9859e+00	-3.1069e+00	-9.5571e+01	5.1091e+01	-4.8152e+01
	394	1.1713e+01	1.9859e+00	-2.9944e+00	-6.7194e+01	3.6631e+01	-5.9717e+01
	389	1.1713e+01	3.6028e+00	8.1842e+00	-4.6588e+01	1.5902e+01	-9.7503e+01
256	377	-2.2495e+01	-4.7493e-01	2.4996e+00	-1.3596e+02	7.9487e+00	-6.9846e+01
	392	-2.2495e+01	-5.0359e-01	-3.4608e-01	-1.2494e+02	1.7105e+01	-3.8624e+01
	393	-5.7238e+00	-5.0359e-01	-3.4247e+00	-1.1009e+02	2.3917e+01	-4.6040e+01
	379	-5.7238e+00	-4.7493e-01	5.7816e+00	-8.1226e+01	4.3378e+01	-7.7873e+01
257	390	-5.9503e-01	-2.6771e-02	-1.4051e+00	4.6603e+01	-1.3809e+02	-2.4503e+02
	389	-5.3698e-01	2.8104e+00	1.0548e+01	4.1561e+01	-2.0650e+01	-7.0038e+01
	391	5.3168e+01	2.4848e+00	-6.6569e+00	-8.7237e+01	-9.2958e+00	-5.6985e+01
	12	5.3366e+01	-3.1839e-01	-1.6762e+01	5.6432e+02	7.9031e+01	-2.2498e+02
258	387	-1.7447e+00	1.7797e-01	9.4965e+00	-3.2923e+01	-6.7381e+00	-1.6078e+02
	379	-1.7765e+00	3.7734e+00	1.1093e+01	-7.7948e+01	6.2591e+01	-1.2986e+02
	389	-5.3134e-01	3.7903e+00	1.1977e+01	3.3050e+01	1.2850e+01	-1.0180e+02
	390	-5.2520e-01	1.9448e-01	1.0347e+01	-5.0038e+01	3.5069e+00	-1.3367e+02
259	11	-2.6388e+01	-1.9640e-28	-5.3975e+00	-6.0560e+02	-9.7228e+01	-3.0497e+02
	377	-2.6388e+01	-4.7493e-01	-3.4063e+00	-9.6412e+01	-5.3839e+01	-1.0392e+02

	379	-1.4307e+00	-4.7493e-01	8.3850e+00	-1.4800e+02	8.3816e+01	-1.0023e+02
	387	-1.4307e+00	-5.0357e-28	5.8122e+00	-8.4991e+01	1.2078e+02	-3.0144e+02
260	360	-3.6950e+00	1.4265e+00	1.0822e+00	-9.3803e+02	-1.6042e+01	-1.4796e+02
	374	-3.6950e+00	6.2940e-16	-7.0954e+00	-9.6775e+02	7.8983e+02	-6.2721e+02
	502	-2.8631e+01	6.2940e-16	-1.6699e+01	-2.1952e+03	-8.8219e+02	-7.0068e+02
	365	-2.8631e+01	1.4265e+00	-8.6202e+00	-1.9984e+02	2.1444e+02	-2.2090e+02
261	359	-3.0217e+00	-5.7612e+00	-6.8463e+00	-9.0105e+02	6.7853e+01	-1.1539e+02
	372	-3.0217e+00	0.0000e+00	-4.5999e+00	-5.7509e+02	2.3021e+02	-3.0617e+02
	374	-3.6950e+00	0.0000e+00	8.8238e-01	-7.3780e+02	-1.6977e+02	-3.1414e+02
	360	-3.6950e+00	-5.7612e+00	-2.5607e+00	-9.3139e+02	2.6789e+01	-1.2299e+02
262	342	-1.2120e+01	-1.5045e+00	6.4872e+00	-4.3610e+02	3.9725e+01	-1.0100e+02
	501	-1.2120e+01	-5.0352e-15	5.8333e+00	-9.9183e+02	-1.8726e+02	-1.0786e+02
	372	-3.0217e+00	-5.0352e-15	1.1248e+01	-5.8809e+02	1.6827e+02	-1.1448e+02
	359	-3.0217e+00	-1.5045e+00	-3.2506e+00	-8.3102e+02	-1.8491e+01	-1.0947e+02
263	351	-8.6074e+00	5.7256e-01	-1.2575e+00	-5.7621e+02	4.9728e+01	3.2430e+01
	360	-8.6074e+00	1.4265e+00	-3.9004e-01	-7.0883e+02	4.4726e+01	-9.1042e+01
	365	-5.4529e+00	1.4265e+00	7.8134e-01	-1.0387e+03	1.4782e+01	-1.0531e+02
	358	-5.4529e+00	5.7256e-01	-5.5214e-01	-3.9044e+02	6.0115e+01	1.7335e+01
264	345	-5.1910e+00	-2.9762e+00	-8.7152e-01	-6.4299e+02	-5.5685e+01	-2.3523e+01
	359	-5.1910e+00	-5.7612e+00	-4.7665e+00	-5.6212e+02	-1.5817e+01	-4.4637e+01
	360	-8.6074e+00	-5.7612e+00	-3.6421e+00	-6.3668e+02	1.4837e+02	-2.7384e+01
	351	-8.6074e+00	-2.9762e+00	1.1632e+00	-6.0396e+02	2.9173e+01	-2.4582e+01
265	336	-4.1567e+00	-3.1111e+00	-2.4063e+00	-5.3119e+02	7.6321e+01	3.3930e+01
	342	-4.1567e+00	-1.5045e+00	-2.9814e+00	-5.9655e+02	-9.7827e+01	-2.9234e+01
	359	-5.1910e+00	-1.5045e+00	-2.3296e+00	-5.5151e+02	1.0863e+02	-2.7475e+01
	345	-5.1910e+00	-3.1111e+00	-3.0846e+00	-6.3294e+02	-5.2816e+01	2.9756e+01
266	357	-3.0667e+00	2.1415e-29	2.5365e+00	-3.4801e+02	8.5806e+01	4.8049e+01
	351	-3.0667e+00	5.7256e-01	-1.7794e+00	-6.1415e+02	-7.0079e+00	-9.0537e+00
	358	-1.4376e+01	5.7256e-01	3.7733e+00	-6.3308e+02	3.1983e+01	1.2647e+01
	120	-1.4376e+01	6.6129e-29	7.8325e+00	-4.2221e+02	-1.1946e+02	6.1967e+01
267	346	-3.7847e+00	0.0000e+00	-2.0767e+00	-7.2319e+02	-2.2252e+02	-1.2990e+02
	345	-3.7847e+00	-2.9762e+00	2.3147e+00	-4.1030e+02	1.8295e+01	-1.7373e+01
	351	-3.0667e+00	-2.9762e+00	-7.3389e-01	-6.0589e+02	3.8530e+01	-9.7550e+00
	357	-3.0667e+00	0.0000e+00	-3.3505e+00	-3.9467e+02	2.2303e+02	-1.2186e+02
268	14	-1.3746e+00	-3.9096e-29	-1.0184e+00	-3.1022e+02	2.3136e+02	9.9365e+01
	336	-1.3746e+00	-3.1111e+00	-1.3564e+00	-7.4221e+02	-6.4320e+01	1.2131e+01
	345	-3.7847e+00	-3.1111e+00	-1.4407e+00	-4.3086e+02	8.0299e+01	1.1805e+01
	346	-3.7847e+00	-5.1524e-29	-1.5136e+00	-7.1815e+02	-2.2463e+02	1.0253e+02
269	341	-1.7585e+00	-4.1806e+00	-2.9990e+00	-6.3224e+02	3.5644e+01	-1.0847e+02
	344	-1.7585e+00	2.0486e-14	-9.9339e+00	-2.4561e+02	2.2777e+02	-3.6567e+02
	501	-1.2120e+01	1.7462e-14	-7.7487e+00	-9.3288e+02	-2.2099e+02	-3.6678e+02
	342	-1.2120e+01	-4.1806e+00	6.5797e+00	-3.7935e+02	-2.6406e+01	-1.0991e+02
270	340	-1.4409e+00	-2.2477e+00	6.0999e+00	-6.0045e+02	9.9362e+01	-1.0907e+02
	343	-1.4409e+00	-3.9806e-16	3.4529e+00	-1.5344e+02	-9.8471e+00	-1.0845e+02
	344	-1.7585e+00	-3.9806e-16	-4.1677e+00	-1.7087e+02	6.5060e+00	-1.8226e+02
	341	-1.7585e+00	-2.2477e+00	-4.0686e+00	-5.8353e+02	9.9657e+01	-1.8234e+02
271	337	-2.6444e+01	-1.4256e+00	-4.7048e+00	-1.9455e+02	2.9605e+01	-1.3790e+02
	500	-2.6444e+01	3.3532e-14	1.0499e+01	-1.1695e+03	-2.5496e+02	1.6223e+02
	343	-1.4409e+00	3.8932e-14	1.3312e+01	-2.5719e+02	2.8516e+02	1.4503e+02
	340	-1.4409e+00	-1.4256e+00	3.2849e+00	-6.3171e+02	4.6019e+01	-1.5574e+02
272	330	-4.3247e+00	-1.6169e+00	-3.6577e+00	-5.2972e+02	-5.5858e+01	-4.1605e+01
	341	-4.3247e+00	-4.1806e+00	-2.5182e+00	-4.8283e+02	-3.0172e+01	-9.0345e+01
	342	-4.1567e+00	-4.1806e+00	-1.4464e+00	-5.5835e+02	2.4336e+01	-4.6874e+01
	336	-4.1567e+00	-1.6169e+00	-2.6772e+00	-5.3751e+02	-6.8543e+01	-1.9246e+01
273	321	-8.3245e+00	-3.1670e+00	-4.5117e+00	-4.8051e+02	-5.3906e+01	-1.3704e+02
	340	-8.3245e+00	-2.2477e+00	7.0053e+00	-4.1697e+02	1.0356e+02	-1.8458e+02
	341	-4.3247e+00	-2.2477e+00	-4.1387e+00	-4.4647e+02	6.1598e+01	-1.0279e+02

	330	-4.3247e+00	-3.1670e+00	-5.0875e+00	-5.2890e+02	-1.3787e+01	-5.5410e+01
274	320	-7.9123e+00	7.0451e-01	-4.7244e-01	-3.0727e+02	-4.3731e+01	-1.4786e+02
	337	-7.9123e+00	-1.4256e+00	-1.7260e+00	-5.1692e+02	1.1418e+02	-1.7759e+02
	340	-8.3245e+00	-1.4256e+00	4.3984e+00	-4.6226e+02	-8.3220e+00	-1.7180e+02
	321	-8.3245e+00	7.0451e-01	5.5997e+00	-4.0847e+02	1.3765e+02	-1.4129e+02
275	335	-1.3534e+01	1.6607e-14	-8.0571e+00	-1.2138e+03	-2.3011e+02	-1.5739e+02
	330	-1.3534e+01	-1.6169e+00	-6.5942e+00	-2.1973e+02	-9.7138e+01	4.0912e+01
	336	-1.3746e+00	-1.6169e+00	-1.8495e+00	-7.6276e+02	-4.3624e+01	-1.5660e+01
	14	-1.3746e+00	5.5241e-15	-2.8116e+00	-3.5215e+02	2.2391e+02	-2.1125e+02
276	326	-1.3294e+00	8.4035e-29	1.6092e+01	-2.1046e+02	3.1847e+02	3.3671e+02
	321	-1.3294e+00	-3.1670e+00	3.6273e+00	-5.4979e+02	1.4799e+01	-3.0096e+01
	330	-1.3534e+01	-3.1670e+00	-8.2565e+00	-1.7180e+02	-1.1865e+02	-7.1529e+01
	335	-1.3534e+01	3.0774e-29	5.8930e+00	-1.1875e+03	-3.1591e+02	2.9220e+02
277	13	-1.6963e+01	-1.9004e-14	-9.0971e+00	3.6869e+02	1.5617e+02	1.6108e+02
	320	-1.6963e+01	7.0451e-01	-7.8343e+00	-4.2762e+02	5.1321e+01	-8.6072e+01
	321	-1.3294e+00	7.0451e-01	6.4971e+00	-4.4326e+02	6.5333e+01	-3.5317e+01
	326	-1.3294e+00	1.0483e-14	4.9231e+00	-4.3389e+01	-1.7179e+02	2.1421e+02
278	294	-5.8027e+00	-1.7407e+00	-1.9782e+00	2.0934e+02	-1.3838e+01	-1.0741e+01
	297	-5.8027e+00	-4.5124e-15	-1.2703e+01	2.6328e+02	-1.1832e+02	4.8942e+01
	499	-2.4527e+01	-4.5124e-15	-8.1029e+00	4.3057e+02	1.3694e+02	6.5423e+01
	295	-2.4527e+01	-1.7407e+00	3.9115e+00	9.9596e+01	-4.0180e+01	6.7848e+00
279	293	-3.8727e+00	6.8908e-01	3.4481e+00	2.1320e+02	-2.4066e+01	-1.6387e+01
	296	-3.8727e+00	-1.9826e-14	4.0071e+00	2.5085e+02	1.5121e+01	-2.7254e+01
	297	-5.8027e+00	-3.0777e-14	-3.2289e+00	2.4016e+02	-2.1894e+01	-1.7444e+01
	294	-5.8027e+00	6.8908e-01	-5.2457e+00	2.1533e+02	-3.1620e+01	-5.9947e+00
280	292	-1.4009e+01	-2.3632e+00	-4.6466e+00	6.4713e+01	-4.7489e+01	-3.6781e+01
	498	-1.4009e+01	9.0083e-15	4.7196e+00	5.0898e+02	1.8348e+02	-1.1534e+02
	296	-3.8727e+00	9.0083e-15	9.2993e+00	2.8720e+02	-1.5573e+02	-9.4181e+01
	293	-3.8727e+00	-2.3632e+00	1.7345e+00	2.0716e+02	-1.6374e+01	-1.5654e+01
281	289	-1.0154e+01	7.7328e-01	-4.6895e+00	-1.4696e+01	-4.0827e+00	-2.4147e+01
	294	-1.0154e+01	-1.7407e+00	1.6848e+00	1.1265e+02	-2.3627e+01	-7.3907e+00
	295	-7.6240e+00	-1.7407e+00	3.1197e+00	1.4755e+02	1.3601e+01	-4.7273e+00
	291	-7.6240e+00	7.7328e-01	-8.9995e-01	-2.6697e+01	-2.2441e+01	-2.1557e+01
282	286	-8.1672e+00	-1.6231e+00	3.0917e+00	-1.1934e+01	-1.4207e+01	-1.4543e+01
	293	-8.1672e+00	6.8908e-01	3.4357e+00	1.1188e+02	-2.6024e+01	-8.6203e+00
	294	-1.0154e+01	6.8908e-01	-4.5454e+00	1.0735e+02	-1.5447e+01	-9.6837e+00
	289	-1.0154e+01	-1.6231e+00	-4.0834e+00	-1.3435e+01	-2.5685e+01	-1.5284e+01
283	285	-3.5131e+00	5.9480e-01	2.8728e-01	-8.4978e+01	-2.4071e+01	-2.1869e+01
	292	-3.5131e+00	-2.3632e+00	-2.5852e+00	1.9227e+02	2.0832e+01	-2.2504e+01
	293	-8.1672e+00	-2.3632e+00	2.0252e+00	1.2295e+02	-2.4863e+01	-1.3365e+01
	286	-8.1672e+00	5.9480e-01	2.8139e+00	-1.8894e+01	-2.3438e+01	-1.2692e+01
284	290	-4.0861e+00	4.5963e-29	4.9876e+00	-9.0814e+01	-4.0348e+01	-5.1178e+01
	289	-4.0861e+00	7.7328e-01	-3.0728e+00	-6.4023e+01	-4.2464e+00	-3.2526e+01
	291	-1.6932e+01	7.7328e-01	3.1185e+00	-4.2054e+01	-1.4760e+01	-3.1978e+01
	20	-1.6932e+01	9.3380e-29	1.0133e+01	-1.4138e+02	5.0289e+01	-5.3229e+01
285	288	-4.5121e+00	1.4294e-15	7.9387e-01	-1.1129e+02	-4.3485e+01	-5.9292e+01
	286	-4.5121e+00	-1.6231e+00	2.6861e+00	-7.1395e+01	-1.7547e+01	-2.7316e+01
	289	-4.0861e+00	-1.6231e+00	-2.6512e+00	-7.2129e+01	-8.4111e+00	-2.8264e+01
	290	-4.0861e+00	-1.9656e-15	-1.0275e+00	-8.8496e+01	3.8307e+01	-6.0568e+01
286	19	-1.9844e+01	-1.2053e-01	-1.1825e+01	-2.6074e+02	-1.1636e+02	-9.1717e+01
	285	-1.9760e+01	-5.6796e-01	-3.5230e+00	-1.3625e+01	2.5415e+01	-3.6805e+01
	286	-3.9215e+00	5.6783e-01	2.0321e+00	-7.2448e+01	-1.7698e+01	-2.8169e+01
	288	-3.8370e+00	-7.7629e-02	-7.4863e+00	-1.3425e+02	8.7035e+01	-8.3565e+01
287	281	-9.2656e-01	2.3911e+00	1.7893e+00	-1.4181e+02	8.6454e+00	-1.3360e+01
	284	-9.2656e-01	9.9602e-14	-3.8285e+00	-1.0483e+02	8.4974e+01	-6.9615e+01
	497	-2.8304e+01	4.2174e-14	-9.6409e+00	-3.1183e+02	-8.5093e+01	-7.7048e+01
	282	-2.8304e+01	2.3911e+00	-5.6853e+00	-3.0805e+01	2.2926e+01	-2.1306e+01

288	280	4.4905e+00	-2.4011e-01	-7.0139e+00	-1.9241e+02	-1.3993e+01	-1.9110e+01
	283	4.4905e+00	-8.2790e-14	1.0624e+00	-8.6512e+01	-2.1100e+01	2.4847e+01
	284	-9.2656e-01	-1.1359e-13	5.1284e+00	-8.3075e+01	2.9652e+01	2.0350e+01
	281	-9.2656e-01	-2.4011e-01	-2.5498e+00	-1.5423e+02	3.6550e+01	-2.8810e+01
289	279	4.6674e+01	6.9766e-01	-1.7237e+00	7.7891e+01	4.3075e+01	-5.3034e+00
	496	4.6674e+01	1.8383e-14	-1.5840e+01	-6.2629e+02	-2.0224e+02	1.4816e+02
	283	4.4905e+00	-1.0735e-13	-1.6549e+01	-1.5678e+02	1.9722e+02	1.3689e+02
	280	4.4905e+00	6.9766e-01	-1.9493e+00	-1.9912e+02	-1.3858e+01	-1.6498e+01
290	276	-2.6077e+00	-7.0503e-01	-5.2190e+00	2.6697e+01	-4.0991e+00	-3.3932e+01
	281	-2.6077e+00	2.3911e+00	-3.0447e+00	-4.4274e+01	1.3910e+01	-2.5551e+01
	282	-1.2542e+01	2.3911e+00	7.7364e-01	-8.8632e+01	-9.9666e+00	-1.7541e+01
	278	-1.2542e+01	-7.0503e-01	-1.6651e+00	6.4418e+01	-6.7717e+00	-2.6760e+01
291	274	1.1754e+01	3.9933e+00	-7.0428e+00	8.1681e+00	-2.6873e+01	-5.4722e+01
	280	1.1754e+01	-2.4011e-01	-8.4441e+00	2.4847e+01	3.8150e+01	-5.0992e+01
	281	-2.6077e+00	-2.4011e-01	-6.8418e+00	-3.5313e+01	-1.4719e+01	-3.2483e+01
	276	-2.6077e+00	3.9933e+00	-5.4679e+00	2.0489e+01	4.3598e+00	-3.6584e+01
292	273	1.9117e+01	-7.6770e-01	-1.2367e+00	1.2657e+02	-1.4738e+01	-4.7584e+01
	279	1.9117e+01	6.9766e-01	2.1999e+00	-1.6449e+02	2.4320e+01	-3.7597e+01
	280	1.1754e+01	6.9766e-01	-3.4057e+00	-4.2843e+01	-1.3521e+01	-3.1072e+01
	274	1.1754e+01	-7.6770e-01	-6.6813e+00	1.5016e+01	6.7278e+00	-4.1314e+01
293	277	-7.0118e-01	1.1882e-14	4.6080e+00	9.6660e+01	-7.8178e+01	-7.6901e+01
	276	-7.0118e-01	-7.0503e-01	-4.0445e+00	1.1754e+02	-1.3751e+00	-2.7515e+01
	278	-6.2309e+00	-7.0503e-01	-7.8882e+00	2.1294e+01	-2.2237e+01	-3.3620e+01
	18	-6.2309e+00	6.2931e-15	3.5189e+00	2.9212e+02	7.8709e+01	-8.3915e+01
294	275	2.6405e+00	1.1932e-14	-7.5658e+00	7.2757e+01	8.0923e+00	-1.2801e+01
	274	2.6405e+00	3.9933e+00	-7.7965e+00	1.5414e+02	-7.6767e+00	-3.3365e+01
	276	-7.0118e-01	3.9933e+00	-4.3770e+00	1.2703e+02	-2.7618e+01	-4.0708e+01
	277	-7.0118e-01	4.7865e-15	-4.0157e+00	7.2931e+01	-1.6646e+01	-1.9304e+01
295	17	1.9217e+01	2.0520e-14	8.4317e+00	5.0152e+02	1.5812e+02	9.5729e+01
	273	1.9217e+01	-7.6770e-01	5.5891e+00	-6.7156e+01	-3.2119e+01	-2.3404e+01
	274	2.6405e+00	-7.6770e-01	-7.4208e+00	1.5625e+02	7.6292e+00	-3.1848e+01
	275	2.6405e+00	-7.9545e-15	-5.3217e+00	1.2803e+02	-1.5401e+02	8.6485e+01
296	268	-2.0677e+00	1.2723e+00	1.6440e+00	9.5699e+01	-7.3884e+00	-4.2488e+01
	272	-2.0677e+00	-2.9014e-16	-6.3140e+00	7.0680e+01	-7.5946e+01	-8.6645e+01
	495	-3.1652e+01	-2.9014e-16	-1.1104e+01	2.5117e+02	7.6903e+01	-9.0472e+01
	269	-3.1652e+01	1.2723e+00	-3.9902e+00	1.2779e+01	1.9311e+01	-4.3509e+01
297	267	2.8395e+00	-6.7493e-01	-4.4222e+00	9.5367e+01	-1.3370e+01	-4.1017e+01
	271	2.8395e+00	-2.5186e-15	2.4497e+00	4.5538e+01	1.2276e+01	-5.8546e+01
	272	-2.0677e+00	-2.5186e-15	3.7892e+00	4.5673e+01	-1.1656e+01	-5.8940e+01
	268	-2.0677e+00	-6.7493e-01	-2.5141e+00	9.6437e+01	-1.2692e+01	-4.1325e+01
298	266	3.2638e+01	-7.1663e-01	-1.5676e+00	-2.3019e+01	-1.8989e+01	-4.2111e+01
	494	3.2638e+01	-9.5538e-15	-1.0257e+01	2.5115e+02	7.7374e+01	-9.1903e+01
	271	2.8395e+00	-9.5538e-15	-9.8578e+00	7.0322e+01	-7.6047e+01	-8.8282e+01
	267	2.8395e+00	-7.1663e-01	-1.2314e+00	9.3754e+01	8.9219e+00	-4.1036e+01
299	231	-6.3239e+00	-9.3645e-01	-4.5842e+00	-2.0830e+01	-1.2152e+01	-1.2905e+01
	268	-6.3239e+00	1.2723e+00	-1.7428e+00	-3.4578e+01	-7.2373e+00	-3.7744e+01
	269	-1.5210e+01	1.2723e+00	1.4008e+00	7.1295e+01	1.2198e+01	-3.8421e+01
	237	-1.5210e+01	-9.3645e-01	-2.1171e+00	-6.6175e+01	1.5300e+01	-1.4910e+01
300	229	7.3555e+00	2.6986e+00	-5.1165e+00	-1.3929e+01	-1.1156e+01	-2.2227e+01
	267	7.3555e+00	-6.7493e-01	-6.4009e+00	2.2419e+01	-1.1967e+01	-3.1957e+01
	268	-6.3239e+00	-6.7493e-01	-5.1384e+00	-2.7268e+01	1.3474e+01	-3.3825e+01
	231	-6.3239e+00	2.6986e+00	-3.8997e+00	-1.5168e+01	1.8869e+01	-2.4315e+01
301	228	1.5614e+01	-1.3360e+00	-6.7468e-01	-4.0125e+01	-1.0540e+01	-1.3359e+01
	266	1.5614e+01	-7.1663e-01	1.4669e+00	6.8995e+01	-1.0839e+01	-3.4761e+01
	267	7.3555e+00	-7.1663e-01	-2.6773e+00	2.9322e+01	9.7487e+00	-3.5439e+01
	229	7.3555e+00	-1.3360e+00	-4.7607e+00	-7.4012e+00	1.4625e+01	-1.3293e+01
302	232	-1.8644e+00	0.0000e+00	8.0967e+00	-6.6876e+01	9.4043e+01	7.5572e+01

	231	-1.8644e+00	-9.3645e-01	-3.0755e+00	-7.8814e+01	-1.1743e+01	-4.3930e+00
	237	-1.5498e+01	-9.3645e-01	-6.1579e+00	4.0211e+01	2.1537e+01	3.4374e+00
	16	-1.5498e+01	0.0000e+00	5.5823e+00	-2.8364e+02	-9.7096e+01	7.9847e+01
303	230	1.3952e+00	4.3674e-28	-7.6813e+00	-3.2437e+01	2.2278e+01	2.8089e+01
	229	1.3952e+00	2.6986e+00	-6.9441e+00	-5.8062e+01	1.6236e+01	-8.5863e+00
	231	-1.8644e+00	2.6986e+00	-2.5671e+00	-7.2740e+01	-1.0090e+01	-6.2768e+00
	232	-1.8644e+00	3.4420e-28	-2.8527e+00	-3.4852e+01	-2.0357e+01	2.9597e+01
304	15	1.3363e+01	0.0000e+00	5.4118e+00	2.1255e+02	7.4099e+01	6.1522e+01
	228	1.3363e+01	-1.3360e+00	5.2934e+00	-4.5097e+01	-1.5541e+01	-4.4734e+00
	229	1.3952e+00	-1.3360e+00	-6.6609e+00	-5.6208e+01	1.2387e+01	-2.7124e+00
	230	1.3952e+00	0.0000e+00	-6.8601e+00	-5.1308e+01	-7.0944e+01	5.8960e+01
305	224	-2.8238e+00	3.0496e+00	6.6088e-01	-1.4613e+02	4.1628e+01	-9.8974e+01
	227	-2.8238e+00	-3.2450e-14	2.2529e+01	-5.8105e+01	8.6082e+01	-1.7627e+02
	493	5.9284e+01	-5.6819e-14	2.4079e+01	-4.5926e+02	-7.2071e+01	-1.7804e+02
	225	5.9284e+01	3.0496e+00	2.7254e+00	-8.3488e+01	-2.9077e+01	-1.0397e+02
306	223	2.0534e+00	1.7591e+00	-8.6930e-01	-1.8149e+02	7.1103e+01	-8.9427e+01
	226	2.0534e+00	4.2151e-14	-1.1759e+00	-2.9770e+01	-5.5173e+00	-5.9239e+01
	227	-2.8238e+00	-9.2558e-15	3.0475e+00	-3.2078e+01	1.3843e+01	-9.3823e+01
	224	-2.8238e+00	1.7591e+00	3.5410e+00	-1.0982e+02	4.3217e+01	-1.2969e+02
307	222	-3.7419e+01	4.5281e-01	8.5824e+00	-1.1840e+02	-7.2623e+01	-1.6281e+02
	492	-3.7419e+01	-4.6272e-14	1.2395e+01	-1.1166e+03	-1.7450e+02	2.1291e+02
	226	2.0534e+00	-6.1408e-14	4.9077e+00	-1.3242e+02	2.1141e+02	2.2436e+02
	223	2.0534e+00	4.5281e-01	-9.6208e-01	-2.7783e+02	8.8445e+01	-1.5091e+02
308	219	9.3595e+00	2.1654e+00	7.2884e+00	-4.8166e+01	-1.1452e+01	-9.0428e+01
	224	9.3595e+00	3.0496e+00	2.5364e+00	-9.3166e+01	1.2626e+01	-1.0419e+02
	225	3.0121e+01	3.0496e+00	-1.2750e+00	-1.0426e+02	1.8075e+01	-1.0744e+02
	221	3.0121e+01	2.1654e+00	3.7249e+00	-8.5683e+01	1.5700e+01	-9.7537e+01
309	217	-3.3287e+00	4.8371e+00	9.7447e+00	6.7890e+01	-6.9938e+01	-1.3593e+02
	223	-3.3287e+00	1.7591e+00	5.5845e+00	-7.5644e+01	8.4880e+01	-1.6781e+02
	224	9.3595e+00	1.7591e+00	5.2994e+00	-6.4259e+01	2.5939e+01	-1.0688e+02
	219	9.3595e+00	4.8371e+00	9.4540e+00	-4.3132e+01	2.7415e+01	-8.4873e+01
310	216	-1.4019e+01	1.1762e+00	2.3879e+00	1.9925e+02	-5.9388e+01	-2.0867e+02
	222	-1.4019e+01	4.5281e-01	1.5626e+00	-1.4181e+02	5.8049e+01	-2.2783e+02
	223	-3.3287e+00	4.5281e-01	6.2042e+00	-1.1588e+02	-5.8702e+00	-1.7382e+02
	217	-3.3287e+00	1.1762e+00	7.0753e+00	1.2922e+02	1.8876e+01	-1.5506e+02
311	220	7.5455e-01	-1.2844e-14	7.0773e+00	-4.3354e+01	7.3037e+01	7.0187e+01
	219	7.5455e-01	2.1654e+00	1.0714e+01	-9.6928e+01	2.3929e+01	-6.9720e+01
	221	3.8916e+01	2.1654e+00	-8.0849e+00	-6.2409e+01	-2.5937e+01	-7.6773e+01
	10	3.8916e+01	2.4766e-14	-1.1466e+01	-3.8163e+02	-6.3097e+01	6.0850e+01
312	218	-2.3542e+00	1.6226e-14	8.6700e+00	1.8718e+01	1.9148e+01	8.9696e+01
	217	-2.3542e+00	4.8371e+00	1.0232e+01	1.9425e+02	-5.6497e+01	-5.9122e+01
	219	7.5455e-01	4.8371e+00	1.3053e+01	-5.6248e+01	-2.2906e+01	-6.3420e+01
	220	7.5455e-01	2.2037e-14	1.1514e+01	2.3050e+01	-2.5747e+01	5.2202e+01
313	9	-1.5533e+01	1.1496e-14	5.4987e+00	1.3826e+03	2.2215e+02	3.3967e+02
	216	-1.5533e+01	1.1762e+00	2.4363e+00	1.5879e+02	9.3338e+01	-1.3079e+02
	217	-2.3542e+00	1.1762e+00	7.5703e+00	3.2660e+02	-8.8452e+01	-1.0551e+02
	218	-2.3542e+00	-1.5604e-14	8.0362e+00	1.5925e+02	-2.6330e+02	3.6577e+02
314	210	-3.7779e+00	-5.2667e-01	4.3518e+00	2.2185e+02	1.3959e+01	-1.5843e+02
	215	-3.7779e+00	-1.6568e-13	-8.9965e+00	1.5364e+02	-1.6298e+02	-1.4127e+02
	479	-4.8244e+01	-1.7814e-13	-1.4405e+01	5.2344e+02	1.6306e+02	-1.5583e+02
	211	-4.8244e+01	-5.2667e-01	1.5860e+00	-1.4741e+02	4.0682e+01	-1.6793e+02
315	209	4.3723e+00	3.5277e-01	1.9591e+00	-3.7879e+02	-4.9370e+01	-1.9546e+02
	212	4.3723e+00	-4.9238e-14	7.8712e+00	-1.2940e+02	-6.0113e+01	-6.4789e+01
	215	-3.7779e+00	-4.3441e-14	7.6219e+00	-1.4327e+02	7.6872e+01	-8.4806e+01
	210	-3.7779e+00	3.5277e-01	2.0317e+00	2.4019e+02	1.1629e+02	-2.1674e+02
316	208	5.2226e+01	5.8369e-01	-3.3262e+00	2.5823e+02	7.0280e+01	-1.4410e+02
	478	5.2226e+01	-3.5759e-14	-1.6154e+01	-1.4378e+03	-4.5241e+02	2.4403e+02

	212	4.3723e+00	3.7300e-14	-9.3150e+00	-2.9503e+02	4.5378e+02	2.2339e+02
	209	4.3723e+00	5.8369e-01	3.8578e+00	-4.1188e+02	-1.2490e+01	-1.5949e+02
317	205	-1.3278e+01	1.6915e+00	4.2315e+00	5.0859e+01	-1.2086e+02	-1.1364e+02
	210	-1.3278e+01	-5.2667e-01	2.1285e+00	-1.1235e+02	3.7065e+01	-2.1047e+02
	211	-3.3077e+01	-5.2667e-01	2.4862e+00	1.6108e+02	-2.6624e+01	-1.9220e+02
	207	-3.3077e+01	1.6915e+00	-2.7681e+00	-2.4722e+02	9.8418e+01	-9.6525e+01
318	203	1.4668e+01	1.6060e+00	2.8311e+00	3.0094e+01	-1.5487e+02	-2.2854e+02
	209	1.4668e+01	3.5277e-01	5.1358e+00	9.1970e+01	1.3683e+02	-2.7206e+02
	210	-1.3278e+01	3.5277e-01	4.6715e+00	-1.1623e+02	-6.6430e+01	-2.4635e+02
	205	-1.3278e+01	1.6060e+00	2.7809e+00	9.9742e+01	1.5617e+02	-2.0314e+02
319	202	3.3862e+01	-2.4746e+00	-1.3625e+00	5.1713e+02	-1.1567e+02	-1.4160e+02
	208	3.3862e+01	5.8369e-01	1.5834e+00	-3.5349e+02	7.6738e+01	-2.1603e+02
	209	1.4668e+01	5.8369e-01	1.3499e+00	9.1375e+01	-3.1581e+01	-2.1265e+02
	203	1.4668e+01	-2.4746e+00	3.4152e+00	9.2862e+01	1.4504e+02	-1.3768e+02
320	206	-3.2870e+00	3.2438e-15	-2.5474e+00	-1.2395e+02	4.7218e+02	4.5747e+02
	205	-3.2870e+00	1.6915e+00	-7.1528e+00	-1.4195e+02	-8.2215e+01	1.4746e+01
	207	-3.6925e+01	1.6915e+00	4.3705e+00	3.8525e+02	6.3552e+01	1.2682e+01
	6	-3.6925e+01	1.9987e-14	8.5581e+00	-1.2119e+03	-4.8583e+02	4.5551e+02
321	204	4.1102e+00	2.5970e-14	-1.3802e+01	3.5855e+02	2.4408e+02	3.0822e+02
	203	4.1102e+00	1.6060e+00	-5.7919e+00	3.5876e+02	1.1792e+02	-6.7219e+01
	205	-3.2870e+00	1.6060e+00	3.9205e+00	-1.1361e+02	-1.3276e+02	-7.1497e+01
	206	-3.2870e+00	2.1694e-14	-1.1775e+01	1.3363e+02	-2.4557e+02	3.0496e+02
322	5	4.3233e+01	2.5001e-14	1.1215e+01	2.1283e+03	6.6267e+02	5.8726e+02
	202	4.3233e+01	-2.4746e+00	1.2088e+01	-2.8498e+02	-9.4952e+01	1.5109e+01
	203	4.1102e+00	-2.4746e+00	-7.5032e+00	4.7595e+02	9.5956e+01	1.3550e+01
	204	4.1102e+00	-1.4038e-14	-8.0195e+00	6.1721e+02	-6.4673e+02	5.8246e+02
323	198	4.6981e+00	4.7462e-01	-4.0740e+00	1.4582e+02	2.5898e+01	-1.7558e+02
	201	4.6981e+00	1.7395e-13	1.1272e+01	1.2158e+02	-2.7038e+02	8.0240e+01
	475	5.6399e+01	1.2070e-13	1.7633e+01	7.9689e+02	2.7891e+02	8.5027e+01
	199	5.6399e+01	4.7462e-01	-2.6284e+00	-3.1677e+02	-2.2925e+01	-1.7772e+02
324	197	-3.8529e+00	1.3336e-01	-1.9160e+00	-2.4170e+02	-5.3228e+01	-2.0486e+02
	200	-3.8529e+00	-1.1606e-15	-8.3645e+00	5.6991e+01	-6.1652e+01	-7.5955e+01
	201	4.6981e+00	-1.1606e-15	-7.6455e+00	6.2259e+01	7.0681e+01	-8.7027e+01
	198	4.6981e+00	1.3336e-01	-2.3252e+00	1.4116e+02	9.3496e+01	-2.1608e+02
325	196	-5.1546e+01	8.8268e-01	2.5697e+00	8.8910e+01	-3.0335e+01	-1.4188e+02
	474	-5.1546e+01	-1.8014e-14	1.5690e+01	-7.5608e+02	-2.5090e+02	-9.2849e+01
	200	-3.8529e+00	-1.8014e-14	8.7270e+00	1.3335e+02	2.5225e+02	-8.3242e+01
	197	-3.8529e+00	8.8268e-01	-4.7839e+00	-2.7602e+02	2.6031e+00	-1.4961e+02
326	191	1.5987e+01	-2.2401e+00	-4.6801e+00	-2.4238e+02	-1.1083e+02	-1.0784e+02
	198	1.5987e+01	4.7462e-01	-1.5986e+00	-2.2735e+02	5.5651e+01	-2.3351e+02
	199	3.5981e+01	4.7462e-01	-2.5079e+00	1.3990e+02	-2.5280e+01	-2.4016e+02
	193	3.5981e+01	-2.2401e+00	2.4403e+00	-7.2022e+02	1.6671e+02	-1.1480e+02
327	189	-1.3707e+01	1.4336e+00	-2.8785e+00	-2.6741e+02	-9.1260e+01	-2.0812e+02
	197	-1.3707e+01	1.3336e-01	-5.1277e+00	-1.1034e+02	1.2699e+02	-2.4849e+02
	198	1.5987e+01	1.3336e-01	-5.4844e+00	-2.6441e+02	-6.0417e+01	-2.7299e+02
	191	1.5987e+01	1.4336e+00	-3.0093e+00	-1.5996e+02	2.3197e+02	-2.3260e+02
328	188	-3.4443e+01	1.7052e+00	2.8952e+00	8.7869e+01	-6.6019e+01	-1.0989e+02
	196	-3.4443e+01	8.8268e-01	-2.4764e+00	-3.3007e+02	4.5993e+01	-1.7985e+02
	197	-1.3707e+01	8.8268e-01	-1.8574e+00	-1.3034e+02	-1.0881e+01	-1.9423e+02
	189	-1.3707e+01	1.7052e+00	-4.6977e+00	-2.2124e+02	1.4076e+02	-1.2387e+02
329	192	3.6474e+00	7.7522e-15	4.4950e+00	-4.9980e+02	8.6472e+02	7.5964e+02
	191	3.6474e+00	-2.2401e+00	9.1001e+00	-7.6130e+02	-8.7704e+01	1.2629e+01
	193	4.5375e+01	-2.2401e+00	-9.6180e+00	3.4003e+02	1.5832e+02	3.6823e+01
	8	4.5375e+01	-1.2124e-14	-1.3988e+01	-2.6128e+03	-8.6825e+02	7.8476e+02
330	190	-3.2655e+00	-9.0346e-28	1.1978e+01	-1.5822e+02	1.9618e+02	2.5343e+02
	189	-3.2655e+00	1.4336e+00	4.8041e+00	-1.9388e+02	1.9738e+02	-8.5282e+01
	191	3.6474e+00	1.4336e+00	6.4318e+00	-6.4302e+02	-6.7187e+01	-5.0549e+01

	192	3.6474e+00	-9.4060e-28	1.3737e+01	-1.6232e+02	-1.6830e+02	2.8811e+02
331	7	-3.7348e+01	-2.2382e-28	-8.8695e+00	9.1445e+02	4.0463e+02	3.6655e+02
	188	-3.7348e+01	1.7052e+00	-4.6445e+00	-4.3566e+02	-4.1890e+01	-1.5853e+01
	189	-3.2655e+00	1.7052e+00	7.8115e+00	-8.3948e+01	1.0302e+02	7.4716e+00
	190	-3.2655e+00	8.0838e-29	3.2035e+00	4.5386e+01	-3.8412e+02	3.8030e+02
766	166	-6.0192e+00	-3.5029e-13	5.6910e+00	3.7389e+02	2.5262e+02	5.8462e+01
	169	-6.0192e+00	-6.5745e-13	3.5733e+00	-3.2405e+02	-3.4636e+02	7.9005e+01
	170	4.9101e+00	-4.7918e-13	-5.4656e+00	1.3319e+03	3.4515e+02	7.8658e+01
	167	4.9101e+00	-2.9697e-13	-3.3623e+00	-1.1055e+03	-2.5141e+02	5.8933e+01
767	164	-7.8053e+00	-3.4815e-13	5.3237e+00	3.1852e+02	2.6612e+02	5.7661e+01
	166	-7.8053e+00	-8.6098e-14	5.6632e+00	-3.3747e+02	-2.6882e+02	5.8742e+01
	167	7.3864e+00	-8.3102e-14	-1.7532e+00	1.0226e+03	2.6785e+02	5.9082e+01
	165	7.3864e+00	-1.5203e-13	-2.0680e+00	-1.0529e+03	-2.6516e+02	5.8033e+01
768	3	-1.1595e+01	-5.8724e-14	5.1576e+00	2.6881e+02	2.5610e+02	4.9334e+01
	164	-1.1595e+01	-2.3010e-13	4.2446e+00	-3.3159e+02	-2.6540e+02	5.2346e+01
	165	1.3612e+01	-2.6304e-13	-1.4145e+00	1.0107e+03	2.6434e+02	5.2736e+01
	2	1.3612e+01	-8.1410e-14	-8.6659e-01	-1.1178e+03	-2.5503e+02	4.9831e+01
769	128	5.6182e+00	5.0386e-14	-4.9539e+00	3.8954e+02	2.6272e+02	7.0479e+01
	162	5.6182e+00	9.8840e-15	-3.2889e+00	-2.9422e+02	-3.6129e+02	9.7020e+01
	163	-4.7748e+00	-4.9627e-14	4.8505e+00	1.3340e+03	3.6013e+02	9.6582e+01
	129	-4.7748e+00	3.6015e-14	3.2122e+00	-1.1076e+03	-2.6155e+02	7.0670e+01
770	124	7.8031e+00	-4.6287e-13	-5.1756e+00	3.4915e+02	2.8009e+02	7.1052e+01
	128	7.8031e+00	2.8851e-13	-4.9543e+00	-3.4145e+02	-2.7947e+02	6.9761e+01
	129	-7.5833e+00	2.5508e-13	1.8447e+00	1.0552e+03	2.7854e+02	6.9872e+01
	125	-7.5833e+00	-4.2519e-13	1.5865e+00	-1.0446e+03	-2.7916e+02	7.1158e+01
771	4	1.2157e+01	-9.9812e-14	-4.9466e+00	3.2167e+02	2.7194e+02	6.2629e+01
	124	1.2157e+01	-2.8827e-13	-4.8166e+00	-2.5978e+02	-2.8011e+02	6.4511e+01
	125	-1.3862e+01	-3.0674e-13	9.8489e-01	1.1272e+03	2.7900e+02	6.4609e+01
	54	-1.3862e+01	-6.5137e-14	9.4594e-01	-1.1045e+03	-2.7083e+02	6.2799e+01
772	119	4.3771e+00	-4.5451e-14	-3.6844e+00	-4.2283e+02	1.3032e+01	-1.9496e+02
	122	4.3771e+00	-3.7049e-14	-2.4244e+00	6.2387e+02	-4.7738e+01	-1.4413e+02
	123	-4.0279e+00	-1.4920e-14	1.0647e+00	2.9154e+02	-7.2066e+01	-1.1977e+02
	121	-4.0279e+00	-1.4237e-13	-1.3076e+00	-2.0779e+02	3.4015e+01	-1.6981e+02
773	117	6.6015e+00	-1.1783e-13	-5.8362e+00	-3.9559e+02	2.2270e+01	-1.8453e+02
	119	6.6015e+00	-3.8165e-14	-4.3510e+00	3.6062e+02	-1.9509e+01	-1.9027e+02
	121	-7.3198e+00	5.7979e-14	-1.9332e+00	1.8730e+02	-3.4961e+01	-1.7181e+02
	118	-7.3198e+00	-1.4243e-13	-3.3059e+00	-1.6070e+02	4.1259e+01	-1.6700e+02
774	72	-1.6332e+01	3.1148e-14	-6.7514e+00	-3.9632e+02	-1.6349e+01	-1.8890e+02
	117	-1.6332e+01	-3.8593e-14	-7.3926e+00	3.6087e+02	-2.7200e+01	-1.7920e+02
	118	1.8887e+01	-8.8524e-14	-4.6341e+00	2.2166e+02	3.5865e+01	-1.6682e+02
	73	1.8887e+01	-4.8038e-15	-4.0018e+00	-1.9169e+02	3.9491e+01	-1.8017e+02
775	113	-2.6080e+00	-3.3142e-13	-5.3969e-01	5.1951e+02	1.1723e+02	4.7847e+01
	115	-2.6080e+00	1.9986e+00	-1.0516e+00	-5.7598e+02	-1.7313e+02	6.0603e+01
	116	1.3872e+00	1.9986e+00	-9.9761e-01	-3.8908e+01	1.3618e+02	5.4299e+01
	114	1.3872e+00	-1.4974e-13	-1.0640e+00	-4.5577e+01	-1.1150e+02	4.0265e+01
776	111	-4.9739e+00	-1.8756e-13	1.0915e+00	4.5076e+02	1.3040e+02	5.0103e+01
	113	-4.9739e+00	-6.4929e-14	-6.8528e-01	-4.5779e+02	-1.2055e+02	4.6186e+01
	114	2.7306e+00	-5.1395e-14	1.7546e+00	1.1178e+02	1.1513e+02	4.3233e+01
	112	2.7306e+00	-1.4951e-13	2.6503e+00	-1.2700e+02	-1.2495e+02	4.6861e+01
777	70	1.3224e+01	-3.9765e-14	1.4386e+00	4.1497e+02	1.2289e+02	4.3210e+01
	111	1.3224e+01	-6.5081e-14	1.6558e+00	-4.5215e+02	-1.3031e+02	4.8542e+01
	112	-5.5312e+00	-4.9022e-14	2.9059e+00	1.3547e+02	1.2569e+02	4.5411e+01
	71	-5.5312e+00	-7.7480e-14	2.7375e+00	-1.7399e+02	-1.1836e+02	4.0166e+01
778	107	1.1741e+00	1.0213e-14	1.3311e+00	-4.0032e+01	2.2839e+01	-6.6727e+01
	109	1.1741e+00	-8.6332e-01	1.0520e+00	-2.4469e+01	6.0419e+01	-5.9685e+01
	110	1.1492e+00	-8.6332e-01	-1.2695e+00	2.5979e+01	-6.0665e+01	5.4506e+01
	108	1.1492e+00	-2.7274e-15	-1.1159e+00	-4.0397e+01	-2.2114e+01	-6.1390e+01

779	105	2.0702e+00	1.6341e-14	2.7201e+00	-6.2392e+01	3.4460e+01	-7.6119e+01
	107	2.0702e+00	-3.4473e-15	2.2029e+00	-5.3407e+01	-2.0716e+01	-6.7094e+01
	108	2.8705e+00	1.0293e-14	-1.6039e+00	4.4918e+01	2.1396e+01	6.4197e+01
	106	2.8705e+00	2.2205e-14	-1.5604e+00	-5.4228e+01	-3.1626e+01	-7.3243e+01
780	68	-4.6144e+00	8.2677e-15	2.5724e+00	-6.1305e+01	-2.6330e+01	-6.7702e+01
	105	-4.6144e+00	2.5581e-14	2.9234e+00	1.2795e+02	-4.0743e+01	-7.6832e+01
	106	-8.3147e+00	2.3126e-14	-1.5473e+00	1.1449e+02	3.5428e+01	-7.0509e+01
	69	-8.3147e+00	1.7215e-14	-1.5667e+00	-5.1955e+01	-2.6925e+01	-6.1252e+01
781	101	1.3157e+00	1.4412e-13	1.9791e+00	-2.6877e+01	-1.0240e+02	-1.0804e+02
	103	1.3157e+00	1.8637e+00	2.7853e+00	-2.3277e+01	1.3117e+02	-1.1677e+02
	104	-2.5886e+00	1.8637e+00	-1.7951e+00	-5.1122e+02	-1.6781e+02	-1.2467e+02
	102	-2.5886e+00	1.4412e-13	-2.6399e+00	4.7307e+02	1.0720e+02	-1.1670e+02
782	99	3.2223e+00	2.8827e-13	8.1790e-01	-6.8799e+01	-9.5718e+01	-1.1201e+02
	101	3.2223e+00	1.4412e-13	9.6047e-01	6.4762e+01	9.9892e+01	-1.1433e+02
	102	-3.9035e+00	1.4412e-13	-2.4608e+00	-4.1856e+02	-1.0568e+02	-1.1813e+02
	100	-3.9035e+00	2.8827e-13	-2.8728e+00	4.1131e+02	1.0150e+02	-1.1579e+02
783	66	-8.8998e+00	1.4413e-13	-1.1236e+00	-9.3624e+01	-7.0525e+01	-9.5960e+01
	99	-8.8998e+00	2.8827e-13	-1.0155e+00	9.0159e+01	9.8283e+01	-1.1397e+02
	100	9.7374e+00	2.8827e-13	-3.2976e+00	-3.4191e+02	-1.0259e+02	-1.1688e+02
	67	9.7374e+00	1.4413e-13	-3.6323e+00	3.3576e+02	7.4758e+01	-9.8831e+01
784	95	-2.5485e+00	-9.0118e-15	1.4002e+00	-7.3649e+01	4.7781e+01	1.9349e+02
	97	-2.5485e+00	5.1002e-14	1.2032e+00	-4.7650e+01	-4.4667e+01	-1.8850e+02
	98	1.9615e+00	5.1002e-14	-2.5547e+00	2.3524e+02	3.1846e+01	-1.9221e+02
	96	1.9615e+00	-9.0118e-15	-2.2403e+00	-2.7706e+02	-3.5937e+01	1.9708e+02
785	93	-4.5822e+00	-4.6427e-15	1.4595e+00	-1.2730e+02	6.9140e+01	1.9845e+02
	95	-4.5822e+00	-9.0118e-15	1.5171e+00	-1.1861e+02	-5.0560e+01	2.0027e+02
	96	-4.2544e+00	-9.0118e-15	-2.3346e+00	2.7882e+02	4.0015e+01	-1.9981e+02
	94	-4.2544e+00	-4.6427e-15	-2.5589e+00	-3.1815e+02	-5.8418e+01	1.9724e+02
786	63	-6.0664e+00	-2.5176e-15	1.7960e+00	2.9213e+02	4.9042e+01	-1.8887e+02
	93	-6.0664e+00	-4.6427e-15	1.3208e+00	-1.3275e+02	-7.4600e+01	1.9717e+02
	94	-9.1777e+00	-4.6427e-15	-2.2650e+00	4.6141e+02	6.3680e+01	1.9328e+02
	62	-9.1777e+00	-2.5176e-15	-2.3913e+00	-2.2349e+02	-3.9837e+01	-1.8613e+02
787	88	2.6262e+00	-1.8324e-13	-2.1595e+00	6.7699e+02	-3.5232e+01	-2.2357e+02
	90	2.6262e+00	-3.4627e-14	-2.0388e+00	-9.6203e+02	5.1813e+01	-2.2717e+02
	92	-2.4022e+00	-5.2865e-14	8.5998e-01	-8.1174e+02	6.4308e+01	1.2645e+02
	89	-2.4022e+00	-1.4254e-13	8.1967e-01	5.0226e+02	-6.4687e+01	1.2841e+02
788	86	4.5816e+00	3.2979e-14	-5.1612e+00	6.1644e+02	-3.1853e+01	-2.1999e+02
	88	4.5816e+00	-1.7687e-13	-3.0172e+00	-5.8262e+02	1.7266e+01	-2.0984e+02
	89	-7.0453e+00	-1.1535e-13	1.1385e+00	-3.0621e+02	5.5648e+01	1.4722e+02
	87	-7.0453e+00	5.0161e-15	-3.0955e+00	3.9041e+02	-5.0705e+01	-1.5577e+02
789	65	-1.2448e+01	2.8709e-15	-5.0734e+00	6.8522e+02	-2.4504e+01	-1.9715e+02
	86	-1.2448e+01	3.9025e-14	-6.4341e+00	-6.1351e+02	2.7314e+01	-2.2034e+02
	87	1.9717e+01	3.7192e-14	-4.3060e+00	-3.2788e+02	4.9163e+01	-1.5435e+02
	64	1.9717e+01	3.6059e-15	-2.9528e+00	3.4435e+02	-6.7562e+01	-1.3195e+02
790	82	1.9387e+00	7.4275e-14	1.1327e+00	-7.2626e+02	-1.2924e+02	-1.8111e+02
	84	1.9387e+00	-9.3015e-15	2.1669e+00	9.0430e+02	1.7182e+02	-1.8980e+02
	85	-2.1007e+00	-9.3015e-15	-1.7864e+00	1.9874e+02	-1.7294e+02	-1.8984e+02
	83	-2.1007e+00	7.4275e-14	-2.7796e+00	1.0208e+02	1.3037e+02	-1.8103e+02
791	80	4.9814e+00	-1.4416e-13	8.9569e-01	-6.6150e+02	-1.2647e+02	-1.8731e+02
	82	4.9814e+00	7.4275e-14	4.2812e-01	6.2879e+02	1.3183e+02	-1.8836e+02
	83	-4.4855e+00	7.4275e-14	-2.7826e+00	-1.2972e+02	-1.3264e+02	-1.8820e+02
	81	-4.4855e+00	-1.4416e-13	-2.2702e+00	1.3220e+02	1.2729e+02	-1.8713e+02
792	59	-9.3846e+00	-7.2688e-14	-8.7441e-01	-6.4458e+02	-1.1187e+02	-1.7985e+02
	80	-9.3846e+00	-1.4416e-13	8.7053e-01	6.1223e+02	1.1721e+02	-1.8839e+02
	81	8.3394e+00	-1.4416e-13	-1.7528e+00	-8.8342e+01	-1.1809e+02	-1.8834e+02
	57	8.3394e+00	-7.2688e-14	-3.1286e+00	-1.3087e+02	1.1275e+02	-1.7978e+02
793	76	2.1575e+00	-7.5961e-14	-2.8997e+00	-7.1168e+01	-1.3267e+02	-2.1730e+02

	78	2.1575e+00	-7.2943e-14	-1.7290e+00	-1.0238e+02	1.8591e+02	-2.3956e+02
	79	-1.9744e+00	-8.4229e-14	2.2501e+00	-8.4018e+02	-1.8492e+02	-2.3923e+02
	77	-1.9744e+00	8.4541e-14	1.0208e+00	7.1107e+02	1.3167e+02	-2.1705e+02
794	74	4.5936e+00	7.4738e-14	-2.0651e+00	-7.9911e+01	-1.1932e+02	-2.1762e+02
	76	4.5936e+00	1.4442e-13	-2.8285e+00	1.6585e+02	1.3344e+02	-2.2601e+02
	77	-5.0635e+00	1.3175e-13	2.1008e-01	-5.3307e+02	-1.3281e+02	-2.2594e+02
	75	-5.0635e+00	8.2953e-14	8.7843e-01	5.9844e+02	1.1867e+02	-2.1756e+02
795	55	-7.9314e+00	2.6659e-14	-2.5546e+00	1.2867e+02	-7.9824e+01	-1.8939e+02
	74	-7.9314e+00	1.4419e-13	-9.0354e-01	-9.4456e+01	1.1491e+02	-2.2091e+02
	75	9.0872e+00	1.3705e-13	7.2446e-01	-4.5832e+02	-1.1423e+02	-2.2076e+02
	56	9.0872e+00	3.9729e-14	-1.4567e+00	5.4662e+02	7.9174e+01	-1.8929e+02
796	503	-3.3839e+01	-1.1322e-14	-7.6716e+00	9.0382e+02	1.1009e+02	5.0888e+01
	72	-3.3839e+01	7.3810e-14	-4.9537e+00	-2.8692e+02	3.1820e+01	-2.0073e+02
	73	3.9456e+01	2.2700e-14	-4.7040e+00	3.1810e+02	-2.0891e+01	-1.7132e+02
	504	3.9456e+01	-1.7156e-14	-7.4476e+00	-3.0145e+02	-1.3470e+02	2.3355e+01
797	496	2.6943e+01	7.6054e-15	3.2159e+00	4.3635e+02	9.1805e+01	2.5341e+01
	70	2.6943e+01	1.3176e-14	2.5527e+00	-4.4354e+02	-1.2870e+02	4.5325e+01
	71	-1.3937e+01	-3.7010e-14	1.6715e+00	5.8430e+01	1.1729e+02	3.8310e+01
	497	-1.3937e+01	-4.0178e-14	2.3183e+00	-7.8126e+01	-8.0610e+01	2.0642e+01
798	498	-9.9806e+00	-5.6663e-15	1.7441e+00	1.5327e+02	1.9739e+01	-4.1159e+01
	68	-9.9806e+00	-3.2339e-15	1.6332e+00	1.5144e+02	-3.8480e+01	-6.0297e+01
	69	-1.4758e+01	3.0386e-15	-1.1646e+00	1.5886e+02	3.7908e+01	-5.9601e+01
	499	-1.4758e+01	-5.5378e-15	-1.3811e+00	1.3508e+02	-2.0795e+01	-4.0365e+01
799	495	-1.8399e+01	3.6029e-14	-1.3235e+00	-6.0298e+01	-2.3650e+01	-5.8612e+01
	66	-1.8399e+01	1.4413e-13	-7.7983e-01	7.1360e+01	8.0835e+01	-9.6404e+01
	67	2.1933e+01	1.4413e-13	-4.2493e+00	-2.0055e+02	-8.5799e+01	-9.9463e+01
	494	2.1933e+01	3.6029e-14	-4.6830e+00	2.2802e+02	2.8513e+01	-6.1577e+01
800	493	3.5326e+01	-8.7823e-15	5.0271e+00	-3.9900e+02	1.1235e+02	5.0116e+01
	64	3.5326e+01	8.0545e-15	3.8595e+00	1.3169e+02	-4.5622e+01	-1.2404e+02
	65	-2.2823e+01	5.2305e-14	2.0811e+00	5.6798e+02	-3.4570e+01	-1.9851e+02
	492	-2.2823e+01	1.6569e-15	3.2567e+00	-1.0347e+03	-4.5749e+01	-1.1633e+02
801	500	-1.6455e+01	5.7168e-16	-2.2827e+00	-4.3870e+02	-4.6888e+01	-1.3487e+02
	62	-1.6455e+01	-2.5176e-15	-2.0137e+00	-4.7341e+02	-6.2235e+01	-1.6822e+02
	63	-1.3948e+01	-2.5176e-15	3.7685e+00	-2.8522e+02	6.1271e+01	-1.7298e+02
	501	-1.3948e+01	5.7168e-16	3.9234e+00	-5.8421e+02	4.4230e+01	-1.4046e+02
802	489	2.3197e+01	3.6029e-14	3.3662e+00	-5.6124e+02	-5.2061e+01	-1.4419e+02
	57	2.3197e+01	-7.2688e-14	4.1652e+00	9.8153e+01	8.6059e+01	-1.7145e+02
	59	-2.4518e+01	-7.2688e-14	2.4097e+00	-3.7208e+02	-9.1964e+01	-1.6965e+02
	488	-2.4518e+01	3.6029e-14	1.6540e+00	8.0204e+02	5.9127e+01	-1.4161e+02
803	482	-2.3889e+01	-5.7787e-15	-1.9886e+00	4.7075e+02	1.9325e+02	1.0180e+02
	55	-2.3889e+01	7.2727e-14	-2.4029e+00	-1.2685e+02	7.6760e+01	-1.8985e+02
	56	2.6264e+01	7.1243e-14	-5.1422e+00	-1.8917e+02	-7.8693e+01	-1.8837e+02
	483	2.6264e+01	1.7189e-15	-4.4853e+00	6.0205e+02	-1.9411e+02	9.9098e+01
804	474	-3.0326e+01	5.3748e-14	-6.9244e+00	2.1466e+02	1.7540e+02	5.2207e+01
	4	-3.0326e+01	-9.1860e-15	-4.4307e+00	-1.9561e+02	-2.6193e+02	4.5499e+01
	54	3.3576e+01	-1.0867e-14	-1.8590e+00	9.4541e+02	2.6996e+02	4.8832e+01
	475	3.3576e+01	4.1795e-14	-4.2680e+00	-9.6196e+02	-1.8320e+02	4.8591e+01
805	479	-3.6486e+01	3.4605e-14	-5.9857e+00	9.8613e+02	1.9619e+02	3.6628e+01
	2	-3.6486e+01	-7.9514e-14	-4.2354e+00	-6.6900e+02	-2.4673e+02	2.8449e+01
	3	3.1401e+01	-8.2104e-14	-4.3506e+00	3.8999e+02	2.4140e+02	2.9555e+01
	478	3.1401e+01	3.2906e-14	-6.1117e+00	-3.5487e+02	-1.9078e+02	4.0513e+01
1	12	0.0000e+00	0.0000e+00	0.0000e+00	3.9616e+03	7.0861e+03	-9.7382e+02
	17	0.0000e+00	0.0000e+00	0.0000e+00	1.4378e+03	5.9536e+03	-3.1442e+03
	36	0.0000e+00	0.0000e+00	0.0000e+00	2.1954e+03	2.4311e+03	-1.7811e+03
2	36	0.0000e+00	0.0000e+00	0.0000e+00	-2.9802e+03	-4.4968e+03	-1.1256e+03
	12	0.0000e+00	0.0000e+00	0.0000e+00	-6.7644e+03	-4.1367e+03	6.6896e+02
	466	0.0000e+00	0.0000e+00	0.0000e+00	-4.5930e+03	-2.6626e+03	6.8379e+02

3	17	0.0000e+00	0.0000e+00	0.0000e+00	1.6120e+03	5.5464e+03	-7.8087e+02
	12	0.0000e+00	0.0000e+00	0.0000e+00	3.7129e+03	6.2707e+03	-2.0005e+03
	19	0.0000e+00	0.0000e+00	0.0000e+00	-7.9087e+02	9.8665e+02	5.2303e+02
4	12	0.0000e+00	0.0000e+00	0.0000e+00	3.9837e+03	5.9031e+03	-1.5147e+03
	466	0.0000e+00	0.0000e+00	0.0000e+00	2.2064e+03	4.9071e+03	-2.5769e+03
	516	0.0000e+00	0.0000e+00	0.0000e+00	8.8309e+02	1.8634e+02	-4.0280e+03
5	19	0.0000e+00	0.0000e+00	0.0000e+00	-1.1949e+03	9.7401e+02	1.3678e+03
	12	0.0000e+00	0.0000e+00	0.0000e+00	6.9047e+03	3.7283e+03	-6.9968e+02
	516	0.0000e+00	0.0000e+00	0.0000e+00	2.3393e+03	-2.1395e+03	2.4626e+03
6	346	0.0000e+00	0.0000e+00	0.0000e+00	-2.1397e+03	-3.7217e+03	4.0867e+02
	335	0.0000e+00	0.0000e+00	0.0000e+00	-2.0610e+03	-4.3571e+03	4.5261e+02
	16	0.0000e+00	0.0000e+00	0.0000e+00	-1.9514e+03	-1.2190e+03	-2.4242e+02
7	16	0.0000e+00	0.0000e+00	0.0000e+00	1.6655e+03	3.9983e+03	-4.4104e+02
	346	0.0000e+00	0.0000e+00	0.0000e+00	2.2521e+03	5.9285e+03	-8.4101e+02
	19	0.0000e+00	0.0000e+00	0.0000e+00	1.7801e+03	4.1470e+03	3.3677e+02
8	16	0.0000e+00	0.0000e+00	0.0000e+00	-1.6671e+03	-4.5407e+03	-9.6914e+02
	335	0.0000e+00	0.0000e+00	0.0000e+00	-4.0082e+03	-5.0098e+03	-3.3489e+02
	463	0.0000e+00	0.0000e+00	0.0000e+00	-7.3778e+02	-1.6455e+03	-1.4994e+03
9	16	0.0000e+00	0.0000e+00	0.0000e+00	2.1987e+03	3.2125e+02	1.0114e+03
	19	0.0000e+00	0.0000e+00	0.0000e+00	2.5329e+03	-6.1262e+02	-3.6755e+02
	15	0.0000e+00	0.0000e+00	0.0000e+00	1.1201e+03	-4.8644e+03	-2.8975e+02
10	19	0.0000e+00	0.0000e+00	0.0000e+00	-5.0422e+02	-2.6703e+03	1.4435e+03
	15	0.0000e+00	0.0000e+00	0.0000e+00	3.2160e+03	-2.3228e+02	2.7599e+03
	17	0.0000e+00	0.0000e+00	0.0000e+00	2.6699e+03	1.0559e+03	3.4431e+03
11	15	0.0000e+00	0.0000e+00	0.0000e+00	8.6490e+02	-5.5270e+03	3.5733e+02
	17	0.0000e+00	0.0000e+00	0.0000e+00	1.8154e+03	-4.7055e+03	4.7410e+02
	35	0.0000e+00	0.0000e+00	0.0000e+00	1.0584e+03	-4.1155e+03	1.1495e+03
12	15	0.0000e+00	0.0000e+00	0.0000e+00	-5.2413e+03	1.3259e+03	-1.2386e+03
	35	0.0000e+00	0.0000e+00	0.0000e+00	-4.2863e+03	-8.4034e+02	-8.3203e+02
	10	0.0000e+00	0.0000e+00	0.0000e+00	-4.7760e+03	-2.8042e+03	-2.7773e+03
13	10	0.0000e+00	0.0000e+00	0.0000e+00	2.5581e+03	4.8364e+03	2.1391e+03
	15	0.0000e+00	0.0000e+00	0.0000e+00	-1.7751e+03	4.2893e+03	1.9077e+03
	16	0.0000e+00	0.0000e+00	0.0000e+00	-2.6614e+03	-6.9465e+02	1.2333e+03
14	10	0.0000e+00	0.0000e+00	0.0000e+00	5.9734e+03	9.5383e+02	7.1419e+02
	16	0.0000e+00	0.0000e+00	0.0000e+00	-4.2599e+02	-3.6618e+03	2.8036e+02
	463	0.0000e+00	0.0000e+00	0.0000e+00	6.2272e+02	-2.0496e+03	-1.3489e+03
24	584	0.0000e+00	0.0000e+00	0.0000e+00	1.1861e+03	-9.6342e+02	-7.2581e+02
	511	0.0000e+00	0.0000e+00	0.0000e+00	1.3927e+02	-7.9918e+02	-8.9538e+02
	32	0.0000e+00	0.0000e+00	0.0000e+00	2.6367e+02	-1.8294e+03	-7.0721e+02
25	412	0.0000e+00	0.0000e+00	0.0000e+00	-2.7773e+02	-5.3108e+02	-1.9430e+03
	584	0.0000e+00	0.0000e+00	0.0000e+00	9.7620e+02	-1.4915e+02	-1.7673e+03
	511	0.0000e+00	0.0000e+00	0.0000e+00	1.9068e+03	4.9319e+02	-1.4271e+03
26	52	0.0000e+00	0.0000e+00	0.0000e+00	1.4627e+03	-3.9417e+02	-1.0000e+03
	584	0.0000e+00	0.0000e+00	0.0000e+00	5.6579e+02	-8.3013e+02	-9.5752e+02
	32	0.0000e+00	0.0000e+00	0.0000e+00	-1.8701e+02	-1.2583e+03	-1.1871e+03
27	412	0.0000e+00	0.0000e+00	0.0000e+00	1.7305e+03	-9.4304e+02	1.4154e+03
	52	0.0000e+00	0.0000e+00	0.0000e+00	1.0459e+03	-7.9724e+02	1.5802e+03
	584	0.0000e+00	0.0000e+00	0.0000e+00	1.7796e+03	2.3950e+02	1.7887e+03
124	52	0.0000e+00	0.0000e+00	0.0000e+00	-1.5209e+03	-7.8477e+02	9.1961e+02
	464	0.0000e+00	0.0000e+00	0.0000e+00	7.0230e+02	-9.0755e+01	1.1152e+03
	421	0.0000e+00	0.0000e+00	0.0000e+00	1.0504e+03	8.8010e+02	1.1618e+03
	536	0.0000e+00	0.0000e+00	0.0000e+00	-1.8068e+03	1.3144e+03	9.6273e+02
129	5	0.0000e+00	0.0000e+00	0.0000e+00	-8.6031e+03	1.5555e+03	-2.4863e+02
	586	0.0000e+00	0.0000e+00	0.0000e+00	-9.1179e+02	2.0225e+03	4.2331e+03
	535	0.0000e+00	0.0000e+00	0.0000e+00	-5.7532e+03	-6.9111e+02	-9.2035e+02

130	535	0.0000e+00	0.0000e+00	0.0000e+00	-2.5264e+03	-2.0759e+03	-3.1588e+03
	586	0.0000e+00	0.0000e+00	0.0000e+00	-3.1832e+03	-2.2365e+03	-2.7865e+03
	28	0.0000e+00	0.0000e+00	0.0000e+00	-2.0675e+03	-2.4969e+03	-3.3995e+03
131	28	0.0000e+00	0.0000e+00	0.0000e+00	-1.8317e+03	1.2288e+03	-3.4114e+02
	27	0.0000e+00	0.0000e+00	0.0000e+00	-1.1540e+03	-4.4456e+02	-6.5617e+02
	534	0.0000e+00	0.0000e+00	0.0000e+00	-1.2788e+03	-9.0854e+02	-2.1556e+03
	535	0.0000e+00	0.0000e+00	0.0000e+00	-2.7786e+03	8.6023e+02	-1.7346e+03
132	204	0.0000e+00	0.0000e+00	0.0000e+00	-5.7396e+03	-1.6713e+03	-4.2839e+03
	5	0.0000e+00	0.0000e+00	0.0000e+00	-9.8270e+03	1.0114e+03	-3.4401e+03
	535	0.0000e+00	0.0000e+00	0.0000e+00	-5.4414e+03	-2.7346e+02	-1.3448e+03
	534	0.0000e+00	0.0000e+00	0.0000e+00	-5.1245e+02	-2.8164e+02	-2.5834e+03
133	462	0.0000e+00	0.0000e+00	0.0000e+00	-8.0931e+02	-8.3039e+02	-9.9101e+02
	414	0.0000e+00	0.0000e+00	0.0000e+00	3.1368e+02	-3.2197e+03	-2.0427e+03
	6	0.0000e+00	0.0000e+00	0.0000e+00	-1.0078e+03	6.3668e+03	-1.0427e+03
	533	0.0000e+00	0.0000e+00	0.0000e+00	-8.1322e+02	-1.0217e+03	7.0235e+02
134	534	0.0000e+00	0.0000e+00	0.0000e+00	4.2335e+02	-1.4667e+03	6.2870e+02
	27	0.0000e+00	0.0000e+00	0.0000e+00	-3.9074e+02	6.4723e+02	-1.2939e+02
	462	0.0000e+00	0.0000e+00	0.0000e+00	-1.6002e+03	-1.7246e+03	-2.8810e+02
	533	0.0000e+00	0.0000e+00	0.0000e+00	3.1670e+02	-4.4672e+02	9.4966e+02
135	204	0.0000e+00	0.0000e+00	0.0000e+00	1.4104e+03	-4.8278e+03	2.2986e+03
	534	0.0000e+00	0.0000e+00	0.0000e+00	1.2474e+03	-1.9980e+02	1.1548e+03
	533	0.0000e+00	0.0000e+00	0.0000e+00	-1.2693e+03	1.3468e+03	6.8741e+02
	6	0.0000e+00	0.0000e+00	0.0000e+00	4.8852e+02	5.2733e+03	2.8052e+03
136	454	0.0000e+00	0.0000e+00	0.0000e+00	1.1758e+03	6.6177e+02	-1.1018e+03
	515	0.0000e+00	0.0000e+00	0.0000e+00	2.6002e+03	-7.5751e+02	-3.0082e+02
	582	0.0000e+00	0.0000e+00	0.0000e+00	2.1862e+03	1.5009e+03	-1.1936e+03
137	582	0.0000e+00	0.0000e+00	0.0000e+00	3.4810e+03	1.7118e+03	-4.2304e+02
	515	0.0000e+00	0.0000e+00	0.0000e+00	1.9289e+03	1.2266e+03	2.9315e+02
	532	0.0000e+00	0.0000e+00	0.0000e+00	2.8995e+03	1.5199e+03	-2.5208e+02
138	515	0.0000e+00	0.0000e+00	0.0000e+00	2.1070e+03	-6.2645e+02	1.2187e+03
	516	0.0000e+00	0.0000e+00	0.0000e+00	1.6303e+03	-2.3055e+03	2.9364e+03
	11	0.0000e+00	0.0000e+00	0.0000e+00	2.9049e+03	9.3260e+02	7.3561e+02
139	11	0.0000e+00	0.0000e+00	0.0000e+00	-1.6070e+03	-6.4148e+03	-8.5944e+02
	515	0.0000e+00	0.0000e+00	0.0000e+00	-1.6979e+03	-4.1138e+03	-1.3364e+03
	532	0.0000e+00	0.0000e+00	0.0000e+00	-1.7884e+03	-2.9178e+03	2.4882e+02
140	346	0.0000e+00	0.0000e+00	0.0000e+00	6.3428e+02	4.8565e+03	4.4944e+02
	11	0.0000e+00	0.0000e+00	0.0000e+00	2.8097e+03	5.1068e+03	1.1344e+03
	19	0.0000e+00	0.0000e+00	0.0000e+00	6.5486e+02	2.7918e+03	4.7898e+02
141	11	0.0000e+00	0.0000e+00	0.0000e+00	1.6576e+03	2.2138e+03	1.4551e+03
	516	0.0000e+00	0.0000e+00	0.0000e+00	-2.7060e+03	1.2860e+03	5.0983e+02
	19	0.0000e+00	0.0000e+00	0.0000e+00	3.6203e+02	5.0095e+02	4.7833e+02
142	514	0.0000e+00	0.0000e+00	0.0000e+00	7.5661e+02	3.5446e+03	1.0879e+03
	532	0.0000e+00	0.0000e+00	0.0000e+00	2.0140e+03	3.2087e+03	8.5837e+02
	11	0.0000e+00	0.0000e+00	0.0000e+00	2.4963e+03	6.7453e+03	9.8753e+02
	346	0.0000e+00	0.0000e+00	0.0000e+00	5.1429e+02	5.4450e+03	1.3330e+03
143	463	0.0000e+00	0.0000e+00	0.0000e+00	2.8881e+03	-2.3943e+03	-9.2881e+02
	513	0.0000e+00	0.0000e+00	0.0000e+00	1.8916e+03	2.3392e+02	1.3251e+03
	530	0.0000e+00	0.0000e+00	0.0000e+00	8.1216e+02	1.9712e+03	1.6577e+03
	335	0.0000e+00	0.0000e+00	0.0000e+00	6.3606e+03	4.7069e+03	-5.9825e+02
144	514	0.0000e+00	0.0000e+00	0.0000e+00	3.6140e+03	1.9957e+03	3.3323e+02
	346	0.0000e+00	0.0000e+00	0.0000e+00	6.9440e+03	1.8533e+03	5.7521e+02
	335	0.0000e+00	0.0000e+00	0.0000e+00	6.7522e+03	1.7697e+03	6.6717e+02
	530	0.0000e+00	0.0000e+00	0.0000e+00	6.8877e+02	1.6918e+03	-7.3594e+02
145	531	0.0000e+00	0.0000e+00	0.0000e+00	-2.7656e+02	-1.1131e+03	2.9499e+02
	451	0.0000e+00	0.0000e+00	0.0000e+00	-1.9093e+03	-1.4317e+03	1.1967e+03
	454	0.0000e+00	0.0000e+00	0.0000e+00	-2.0342e+03	1.9962e+03	4.5341e+02

	582	0.0000e+00	0.0000e+00	0.0000e+00	2.3559e+03	3.2716e+03	-1.0765e+03
146	514	0.0000e+00	0.0000e+00	0.0000e+00	2.5759e+03	4.1420e+02	-1.1529e+03
	531	0.0000e+00	0.0000e+00	0.0000e+00	-4.0976e+02	-8.2687e+02	-2.9103e+02
	582	0.0000e+00	0.0000e+00	0.0000e+00	2.4585e+03	3.3971e+03	-5.0381e+02
	532	0.0000e+00	0.0000e+00	0.0000e+00	2.4703e+03	2.4578e+03	-1.2542e+03
147	450	0.0000e+00	0.0000e+00	0.0000e+00	-1.0751e+03	-2.5787e+03	-1.6947e+03
	451	0.0000e+00	0.0000e+00	0.0000e+00	1.0806e+03	-1.3269e+03	-1.5909e+03
	531	0.0000e+00	0.0000e+00	0.0000e+00	7.5919e+02	-1.3570e+03	-1.2435e+03
	469	0.0000e+00	0.0000e+00	0.0000e+00	4.4469e+02	-1.4595e+03	-1.1794e+03
148	530	0.0000e+00	0.0000e+00	0.0000e+00	-5.3294e+02	8.0486e+02	-1.2098e+03
	513	0.0000e+00	0.0000e+00	0.0000e+00	-1.3259e+03	1.1319e+03	-1.8286e+03
	450	0.0000e+00	0.0000e+00	0.0000e+00	-2.9036e+03	5.7059e+02	-1.5963e+03
	469	0.0000e+00	0.0000e+00	0.0000e+00	-1.1431e+03	-6.0926e+02	-1.1792e+03
149	514	0.0000e+00	0.0000e+00	0.0000e+00	1.7791e+03	2.6596e+03	5.1619e+02
	530	0.0000e+00	0.0000e+00	0.0000e+00	7.4149e+02	-2.8313e+02	-3.3153e+02
	469	0.0000e+00	0.0000e+00	0.0000e+00	1.4108e+02	-1.2797e+03	-1.5545e+03
	531	0.0000e+00	0.0000e+00	0.0000e+00	1.0797e+03	-3.8755e+02	-1.0304e+03
150	21	0.0000e+00	0.0000e+00	0.0000e+00	-1.5795e+03	-3.0910e+03	3.7182e+02
	22	0.0000e+00	0.0000e+00	0.0000e+00	-4.3707e+02	-3.1006e+03	-2.8599e+02
	30	0.0000e+00	0.0000e+00	0.0000e+00	-7.9630e+02	-2.6474e+03	-3.4130e+02
151	171	0.0000e+00	0.0000e+00	0.0000e+00	2.0932e+03	3.0396e+03	3.6170e+02
	30	0.0000e+00	0.0000e+00	0.0000e+00	5.6517e+02	3.2253e+03	-4.6679e+02
	21	0.0000e+00	0.0000e+00	0.0000e+00	1.5872e+03	3.8868e+03	4.7510e+02
152	171	0.0000e+00	0.0000e+00	0.0000e+00	2.2090e+03	3.2608e+03	-1.9243e+02
	21	0.0000e+00	0.0000e+00	0.0000e+00	3.4029e+03	3.0011e+03	-1.1558e+03
	413	0.0000e+00	0.0000e+00	0.0000e+00	1.1677e+03	-1.3815e+03	-1.0250e+03
153	413	0.0000e+00	0.0000e+00	0.0000e+00	1.9886e+03	-1.6303e+03	-3.9063e+02
	171	0.0000e+00	0.0000e+00	0.0000e+00	-2.9401e+03	-2.5580e+03	8.4404e+01
	398	0.0000e+00	0.0000e+00	0.0000e+00	1.3224e+03	5.0630e+02	-1.0040e+03
154	524	0.0000e+00	0.0000e+00	0.0000e+00	4.6361e+02	7.0860e+01	6.1496e+02
	526	0.0000e+00	0.0000e+00	0.0000e+00	-3.9465e+02	-8.6775e+01	7.3677e+02
	525	0.0000e+00	0.0000e+00	0.0000e+00	-2.3028e+02	-3.9395e+02	6.8833e+02
155	524	0.0000e+00	0.0000e+00	0.0000e+00	7.8436e+02	-5.9404e+02	-4.8784e+02
	525	0.0000e+00	0.0000e+00	0.0000e+00	4.1566e+02	-9.1251e+02	-1.4269e+02
	34	0.0000e+00	0.0000e+00	0.0000e+00	9.7197e+02	-7.9320e+02	-6.3173e+02
156	23	0.0000e+00	0.0000e+00	0.0000e+00	1.3155e+03	1.1703e+03	-1.5079e+03
	513	0.0000e+00	0.0000e+00	0.0000e+00	1.8333e+03	4.8877e+02	-1.8935e+03
	450	0.0000e+00	0.0000e+00	0.0000e+00	1.3370e+03	3.0559e+02	-2.2737e+03
157	425	0.0000e+00	0.0000e+00	0.0000e+00	-6.5226e+02	-9.2801e+02	-1.1510e+03
	450	0.0000e+00	0.0000e+00	0.0000e+00	4.6668e+02	-2.0492e+02	-1.5023e+03
	23	0.0000e+00	0.0000e+00	0.0000e+00	-3.0365e+02	-1.0748e+03	-9.9777e+02
158	34	0.0000e+00	0.0000e+00	0.0000e+00	7.3453e+02	3.0921e+02	6.6226e+02
	524	0.0000e+00	0.0000e+00	0.0000e+00	2.9023e+02	3.0040e+02	6.6629e+02
	33	0.0000e+00	0.0000e+00	0.0000e+00	3.3078e+02	-1.4711e+02	6.5774e+02
159	33	0.0000e+00	0.0000e+00	0.0000e+00	-5.4858e+02	8.4438e+02	-5.5676e+02
	34	0.0000e+00	0.0000e+00	0.0000e+00	-1.1056e+03	2.6063e+03	-6.6958e+02
	465	0.0000e+00	0.0000e+00	0.0000e+00	-9.9116e+02	7.0132e+02	2.3696e+02
160	33	0.0000e+00	0.0000e+00	0.0000e+00	-5.3479e+02	2.5941e+02	2.7911e+02
	465	0.0000e+00	0.0000e+00	0.0000e+00	-3.0597e+02	-4.1249e+02	9.1667e+02
	512	0.0000e+00	0.0000e+00	0.0000e+00	-2.0984e+02	-5.1269e+02	-4.5758e+01
161	465	0.0000e+00	0.0000e+00	0.0000e+00	-4.5558e+02	4.7166e+02	-1.4708e+03
	34	0.0000e+00	0.0000e+00	0.0000e+00	1.6954e+03	-9.5483e+01	-1.0572e+03
	10	0.0000e+00	0.0000e+00	0.0000e+00	2.0271e+03	3.6018e+03	-1.8817e+03
162	10	0.0000e+00	0.0000e+00	0.0000e+00	3.4921e+03	1.9461e+03	1.6205e+03
	34	0.0000e+00	0.0000e+00	0.0000e+00	-3.6712e+02	1.6533e+03	-3.4981e+02

	35	0.0000e+00	0.0000e+00	0.0000e+00	2.1213e+03	1.8838e+03	1.5441e+03
163	35	0.0000e+00	0.0000e+00	0.0000e+00	-2.7152e+03	-3.0434e+03	3.3625e+03
	17	0.0000e+00	0.0000e+00	0.0000e+00	-2.5332e+03	-5.0918e+03	2.2744e+03
	36	0.0000e+00	0.0000e+00	0.0000e+00	-3.5948e+03	-3.1610e+03	6.1310e+02
164	529	0.0000e+00	0.0000e+00	0.0000e+00	1.6658e+02	6.3825e+02	-2.7818e+02
	526	0.0000e+00	0.0000e+00	0.0000e+00	2.2011e+02	8.6731e+02	-5.4925e+02
	42	0.0000e+00	0.0000e+00	0.0000e+00	1.4824e+02	1.8280e+03	-7.1646e+01
	127	0.0000e+00	0.0000e+00	0.0000e+00	6.4215e+01	7.4388e+02	6.3307e+01
165	33	0.0000e+00	0.0000e+00	0.0000e+00	1.3794e+02	-1.6247e+02	-4.6484e+02
	524	0.0000e+00	0.0000e+00	0.0000e+00	7.1570e+02	3.5002e+02	-8.8796e+02
	526	0.0000e+00	0.0000e+00	0.0000e+00	1.5628e+02	5.0100e+02	-5.9219e+02
	529	0.0000e+00	0.0000e+00	0.0000e+00	4.0902e+01	3.5034e+02	-2.5083e+02
166	528	0.0000e+00	0.0000e+00	0.0000e+00	4.5562e+02	2.1412e+02	-6.7152e+02
	529	0.0000e+00	0.0000e+00	0.0000e+00	3.2926e+02	3.6467e+02	-3.5849e+02
	127	0.0000e+00	0.0000e+00	0.0000e+00	1.8526e+02	1.1026e+03	-1.9995e+02
	126	0.0000e+00	0.0000e+00	0.0000e+00	9.3354e+02	9.5668e+02	-5.3949e+02
167	32	0.0000e+00	0.0000e+00	0.0000e+00	-4.5867e+02	-4.4856e+02	-5.7535e+02
	33	0.0000e+00	0.0000e+00	0.0000e+00	2.3334e+02	-6.0652e+02	-2.1725e+02
	529	0.0000e+00	0.0000e+00	0.0000e+00	1.6190e+02	3.3024e+02	-4.0208e+02
	528	0.0000e+00	0.0000e+00	0.0000e+00	2.8465e+02	3.7218e+02	-6.8509e+02
168	511	0.0000e+00	0.0000e+00	0.0000e+00	-1.4338e+03	-4.1688e+02	-8.6226e+02
	512	0.0000e+00	0.0000e+00	0.0000e+00	1.3063e+02	5.9846e+01	-3.0237e+02
	33	0.0000e+00	0.0000e+00	0.0000e+00	2.7219e+02	-3.2259e+02	-2.5850e+02
	32	0.0000e+00	0.0000e+00	0.0000e+00	-8.9182e+02	3.5736e+01	-7.3117e+02
169	464	0.0000e+00	0.0000e+00	0.0000e+00	-1.9626e+02	1.5106e+02	-8.2958e+02
	528	0.0000e+00	0.0000e+00	0.0000e+00	1.8328e+02	6.7028e+02	-9.1840e+02
	126	0.0000e+00	0.0000e+00	0.0000e+00	8.7662e+02	1.1464e+03	-1.0366e+03
	1	0.0000e+00	0.0000e+00	0.0000e+00	-1.0084e+03	1.7227e+03	-6.4820e+02
170	52	0.0000e+00	0.0000e+00	0.0000e+00	2.0880e+02	-1.0350e+03	-1.4094e+03
	32	0.0000e+00	0.0000e+00	0.0000e+00	-8.5443e+02	-1.5897e+02	-1.0740e+03
	528	0.0000e+00	0.0000e+00	0.0000e+00	-7.7443e+01	5.7360e+02	-8.5747e+02
	464	0.0000e+00	0.0000e+00	0.0000e+00	-1.9014e+02	7.3209e+02	-9.0573e+02
171	527	0.0000e+00	0.0000e+00	0.0000e+00	-5.7762e+02	2.7875e+03	1.1396e+02
	521	0.0000e+00	0.0000e+00	0.0000e+00	-4.0357e+02	1.8387e+03	4.2719e+02
	45	0.0000e+00	0.0000e+00	0.0000e+00	-2.5854e+02	2.3645e+03	9.4118e+01
	506	0.0000e+00	0.0000e+00	0.0000e+00	-4.0720e+02	1.9068e+03	2.9988e+01
172	35	0.0000e+00	0.0000e+00	0.0000e+00	7.5217e+02	-2.4869e+03	-1.2350e+03
	36	0.0000e+00	0.0000e+00	0.0000e+00	-2.1165e+03	-1.9344e+03	-4.0732e+02
	521	0.0000e+00	0.0000e+00	0.0000e+00	-5.3187e+02	1.9029e+03	7.9437e+02
	527	0.0000e+00	0.0000e+00	0.0000e+00	-8.7901e+02	1.6516e+02	6.2483e+02
173	525	0.0000e+00	0.0000e+00	0.0000e+00	-6.7073e+02	1.6325e+03	-3.8154e+02
	527	0.0000e+00	0.0000e+00	0.0000e+00	1.9035e+02	2.7671e+03	9.8066e+01
	506	0.0000e+00	0.0000e+00	0.0000e+00	-2.4704e+02	1.9018e+03	6.2730e+01
	44	0.0000e+00	0.0000e+00	0.0000e+00	3.5443e+02	2.6846e+03	-8.0938e+01
174	34	0.0000e+00	0.0000e+00	0.0000e+00	-3.0555e+02	-1.1969e+03	-5.4288e+02
	35	0.0000e+00	0.0000e+00	0.0000e+00	-1.0428e+03	-2.1269e+03	-3.5126e+02
	527	0.0000e+00	0.0000e+00	0.0000e+00	-2.9154e+02	9.3947e+02	1.8130e+02
	525	0.0000e+00	0.0000e+00	0.0000e+00	-3.2237e+02	2.6681e+02	-5.2457e+02
175	526	0.0000e+00	0.0000e+00	0.0000e+00	4.6931e+01	7.9489e+02	-6.6605e+02
	525	0.0000e+00	0.0000e+00	0.0000e+00	3.4420e+02	2.3729e+03	-9.8717e+02
	44	0.0000e+00	0.0000e+00	0.0000e+00	-1.9437e+02	2.6005e+03	-9.4660e+01
	42	0.0000e+00	0.0000e+00	0.0000e+00	1.5831e+02	1.5100e+03	1.2475e+02
176	522	0.0000e+00	0.0000e+00	0.0000e+00	-8.6670e+02	1.9295e+03	-2.7876e+02
	588	0.0000e+00	0.0000e+00	0.0000e+00	6.8524e+02	1.1438e+03	-1.1398e+03
	7	0.0000e+00	0.0000e+00	0.0000e+00	-6.3902e+02	7.5824e+03	9.3605e+01
	47	0.0000e+00	0.0000e+00	0.0000e+00	-8.8919e+02	3.4918e+03	8.1831e+02
177	38	0.0000e+00	0.0000e+00	0.0000e+00	7.5363e+02	-5.0017e+02	-3.5466e+02

	39	0.0000e+00	0.0000e+00	0.0000e+00	-6.2454e+01	-8.1226e+02	-5.4225e+02
	588	0.0000e+00	0.0000e+00	0.0000e+00	2.2168e+02	4.7922e+02	-7.6136e+02
	522	0.0000e+00	0.0000e+00	0.0000e+00	-2.0000e+02	3.2644e+02	-4.3523e+02
178	518	0.0000e+00	0.0000e+00	0.0000e+00	6.1671e+02	1.3267e+03	-6.4176e+02
	587	0.0000e+00	0.0000e+00	0.0000e+00	-1.3621e+02	1.5968e+03	-5.3961e+02
	39	0.0000e+00	0.0000e+00	0.0000e+00	6.5230e+01	1.3283e+03	-4.1158e+02
	38	0.0000e+00	0.0000e+00	0.0000e+00	6.6854e+02	8.7054e+02	-4.6067e+02
179	520	0.0000e+00	0.0000e+00	0.0000e+00	1.4865e+02	1.4294e+03	3.8639e+02
	522	0.0000e+00	0.0000e+00	0.0000e+00	-3.4337e+02	1.2883e+03	3.2737e+02
	47	0.0000e+00	0.0000e+00	0.0000e+00	-2.6954e+02	2.6108e+03	3.6260e+02
	46	0.0000e+00	0.0000e+00	0.0000e+00	1.7968e+02	2.4081e+03	4.1068e+02
180	37	0.0000e+00	0.0000e+00	0.0000e+00	8.9425e+02	-1.0885e+03	2.1877e+02
	38	0.0000e+00	0.0000e+00	0.0000e+00	9.8781e+02	-1.7892e+02	-4.1190e+02
	522	0.0000e+00	0.0000e+00	0.0000e+00	-3.6131e+02	2.3697e+02	-7.7575e+01
	520	0.0000e+00	0.0000e+00	0.0000e+00	4.8042e+02	1.2104e+02	7.0678e+02
181	517	0.0000e+00	0.0000e+00	0.0000e+00	1.2730e+03	3.3674e+02	-4.7269e+02
	518	0.0000e+00	0.0000e+00	0.0000e+00	8.6995e+02	1.0115e+03	-5.3975e+02
	38	0.0000e+00	0.0000e+00	0.0000e+00	1.1153e+03	6.3855e+02	-1.4407e+02
	37	0.0000e+00	0.0000e+00	0.0000e+00	1.0128e+03	-5.7114e+02	-5.4042e+01
182	521	0.0000e+00	0.0000e+00	0.0000e+00	-1.4100e+02	2.1477e+03	7.0822e+02
	520	0.0000e+00	0.0000e+00	0.0000e+00	2.6117e+02	1.3689e+03	6.1236e+02
	46	0.0000e+00	0.0000e+00	0.0000e+00	-6.1870e+01	1.9783e+03	1.8199e+02
	45	0.0000e+00	0.0000e+00	0.0000e+00	-2.4444e+02	2.5009e+03	2.7437e+02
183	36	0.0000e+00	0.0000e+00	0.0000e+00	-3.1273e+03	-2.2523e+03	7.6784e+02
	37	0.0000e+00	0.0000e+00	0.0000e+00	1.4364e+03	-1.2882e+03	6.9983e+02
	520	0.0000e+00	0.0000e+00	0.0000e+00	-8.0773e+01	5.9851e+02	7.4438e+02
	521	0.0000e+00	0.0000e+00	0.0000e+00	4.8801e+01	1.7577e+03	5.5521e+02
184	466	0.0000e+00	0.0000e+00	0.0000e+00	-2.8023e+02	-1.8838e+03	-2.0913e+02
	517	0.0000e+00	0.0000e+00	0.0000e+00	1.3574e+03	-9.4042e+02	-3.9360e+02
	37	0.0000e+00	0.0000e+00	0.0000e+00	2.0163e+03	-5.7745e+02	6.5293e+02
	36	0.0000e+00	0.0000e+00	0.0000e+00	-3.5787e+03	-3.9285e+03	8.0364e+02
185	28	0.0000e+00	0.0000e+00	0.0000e+00	1.5334e+03	-2.7207e+03	-2.0682e+03
	586	0.0000e+00	0.0000e+00	0.0000e+00	5.5262e+02	-3.6721e+02	-2.8559e+03
	587	0.0000e+00	0.0000e+00	0.0000e+00	-7.7049e+01	1.6430e+03	-8.8082e+02
	518	0.0000e+00	0.0000e+00	0.0000e+00	1.5394e+02	-2.5394e+02	-2.3641e+02
186	29	0.0000e+00	0.0000e+00	0.0000e+00	-3.3898e+02	-1.6448e+03	-8.8535e+02
	28	0.0000e+00	0.0000e+00	0.0000e+00	4.1887e+02	-3.2645e+03	-5.0626e+02
	518	0.0000e+00	0.0000e+00	0.0000e+00	8.0899e+02	3.7801e+02	-4.5690e+02
	517	0.0000e+00	0.0000e+00	0.0000e+00	9.3470e+02	-7.5240e+02	-1.2434e+03
187	26	0.0000e+00	0.0000e+00	0.0000e+00	-7.2370e+02	-4.1000e+02	1.4748e+02
	27	0.0000e+00	0.0000e+00	0.0000e+00	3.5122e+02	-8.2621e+02	3.4588e+02
	28	0.0000e+00	0.0000e+00	0.0000e+00	6.6721e+02	-1.7703e+03	-6.8594e+01
	29	0.0000e+00	0.0000e+00	0.0000e+00	-7.3403e+02	-8.7251e+02	-3.3366e+02
188	457	0.0000e+00	0.0000e+00	0.0000e+00	-7.8333e+02	-1.6124e+03	2.5147e+02
	462	0.0000e+00	0.0000e+00	0.0000e+00	1.0235e+03	-1.4434e+03	2.3314e+02
	27	0.0000e+00	0.0000e+00	0.0000e+00	5.5480e+02	-7.8150e+02	2.4125e+02
	26	0.0000e+00	0.0000e+00	0.0000e+00	-9.5752e+02	-6.2770e+02	2.4264e+02
189	516	0.0000e+00	0.0000e+00	0.0000e+00	5.1950e+02	-3.2256e+03	-3.3105e+03
	29	0.0000e+00	0.0000e+00	0.0000e+00	-4.4927e+02	-2.2705e+03	-1.4364e+03
	517	0.0000e+00	0.0000e+00	0.0000e+00	2.6967e+03	-1.7095e+03	2.3063e+02
	466	0.0000e+00	0.0000e+00	0.0000e+00	-2.5586e+02	-5.2826e+03	-2.0647e+02
190	515	0.0000e+00	0.0000e+00	0.0000e+00	4.7988e+02	-1.3150e+03	-1.2638e+03
	26	0.0000e+00	0.0000e+00	0.0000e+00	-9.9308e+02	-3.9849e+02	-6.3903e+02
	29	0.0000e+00	0.0000e+00	0.0000e+00	-4.2656e+02	2.3181e+02	-3.1505e+02
	516	0.0000e+00	0.0000e+00	0.0000e+00	3.3504e+03	-1.0309e+03	-7.7964e+02
191	454	0.0000e+00	0.0000e+00	0.0000e+00	-1.2671e+03	1.1478e+03	1.1282e+03
	457	0.0000e+00	0.0000e+00	0.0000e+00	-2.1477e+02	-2.3204e+02	1.3353e+03

	26	0.0000e+00	0.0000e+00	0.0000e+00	-1.1378e+03	-3.6463e+02	1.2532e+02
	515	0.0000e+00	0.0000e+00	0.0000e+00	-7.4512e+02	2.3352e+03	4.9374e+02
192	31	0.0000e+00	0.0000e+00	0.0000e+00	-1.1579e+03	-1.4873e+03	9.1067e+02
	463	0.0000e+00	0.0000e+00	0.0000e+00	-1.1013e+03	-3.4429e+02	2.1287e+03
	10	0.0000e+00	0.0000e+00	0.0000e+00	-1.8357e+03	-5.0965e+03	1.2024e+03
	465	0.0000e+00	0.0000e+00	0.0000e+00	2.0162e+03	-2.8790e+03	3.9026e+02
193	23	0.0000e+00	0.0000e+00	0.0000e+00	-2.3270e+03	-8.5331e+02	-1.3110e+03
	513	0.0000e+00	0.0000e+00	0.0000e+00	-9.7968e+02	1.6269e+03	-9.4611e+02
	463	0.0000e+00	0.0000e+00	0.0000e+00	-3.8746e+02	1.6003e+03	5.5763e+02
	31	0.0000e+00	0.0000e+00	0.0000e+00	-1.6532e+03	4.7929e+02	7.6037e+02
194	30	0.0000e+00	0.0000e+00	0.0000e+00	-1.1554e+03	-3.3609e+03	9.7858e+01
	31	0.0000e+00	0.0000e+00	0.0000e+00	-3.2956e+02	-1.2763e+03	5.7676e+02
	465	0.0000e+00	0.0000e+00	0.0000e+00	2.7894e+02	-1.8907e+03	8.1434e+02
	512	0.0000e+00	0.0000e+00	0.0000e+00	2.9493e+02	-1.8181e+02	-1.0319e+02
195	22	0.0000e+00	0.0000e+00	0.0000e+00	-9.7117e+02	-2.7786e+03	-8.0549e+02
	23	0.0000e+00	0.0000e+00	0.0000e+00	3.2566e+02	-2.0382e+03	-1.2142e+03
	31	0.0000e+00	0.0000e+00	0.0000e+00	-2.6378e+02	-6.5829e+02	-4.3511e+02
	30	0.0000e+00	0.0000e+00	0.0000e+00	-1.1735e+03	-2.5688e+03	1.1499e+02
196	418	0.0000e+00	0.0000e+00	0.0000e+00	-9.1181e+02	-2.8318e+02	-8.8132e+02
	425	0.0000e+00	0.0000e+00	0.0000e+00	3.1955e+02	-2.2813e+02	-1.3746e+03
	23	0.0000e+00	0.0000e+00	0.0000e+00	2.3327e+02	-1.1547e+03	-1.3557e+03
	22	0.0000e+00	0.0000e+00	0.0000e+00	-7.2286e+02	-1.8929e+03	-9.2059e+02
197	171	0.0000e+00	0.0000e+00	0.0000e+00	-1.7543e+03	-3.0003e+03	-8.8170e+01
	30	0.0000e+00	0.0000e+00	0.0000e+00	-7.8551e+02	-3.4956e+03	2.8316e+02
	512	0.0000e+00	0.0000e+00	0.0000e+00	-6.8855e+02	-3.2941e+02	-5.0355e+02
	511	0.0000e+00	0.0000e+00	0.0000e+00	-1.3351e+03	2.2963e+02	-7.1365e+02
198	415	0.0000e+00	0.0000e+00	0.0000e+00	-7.6447e+02	4.8450e+02	4.5319e+02
	418	0.0000e+00	0.0000e+00	0.0000e+00	-1.4838e+02	8.3208e+02	-5.5112e+02
	22	0.0000e+00	0.0000e+00	0.0000e+00	-1.7878e+02	-2.4162e+03	-5.0922e+02
	21	0.0000e+00	0.0000e+00	0.0000e+00	-1.2604e+03	-2.4206e+03	5.0253e+02
199	398	0.0000e+00	0.0000e+00	0.0000e+00	1.3689e+03	-2.0323e+03	-8.1920e+02
	171	0.0000e+00	0.0000e+00	0.0000e+00	-3.1317e+03	-2.9025e+03	-5.0901e+02
	511	0.0000e+00	0.0000e+00	0.0000e+00	-7.0993e+02	-2.2831e+02	-1.2810e+03
	412	0.0000e+00	0.0000e+00	0.0000e+00	2.0847e+03	-8.0166e+01	-1.2007e+03
200	53	0.0000e+00	0.0000e+00	0.0000e+00	2.1677e+02	1.0179e+03	2.1759e+03
	415	0.0000e+00	0.0000e+00	0.0000e+00	-1.5272e+03	9.0730e+02	1.3827e+03
	21	0.0000e+00	0.0000e+00	0.0000e+00	-2.9074e+03	-1.7154e+03	1.1864e+03
	413	0.0000e+00	0.0000e+00	0.0000e+00	1.4611e+03	-1.1892e+02	1.5522e+03
201	510	0.0000e+00	0.0000e+00	0.0000e+00	5.9870e+02	3.3034e+03	-9.0381e+02
	491	0.0000e+00	0.0000e+00	0.0000e+00	-1.7095e+02	2.9294e+03	-9.2339e+02
	186	0.0000e+00	0.0000e+00	0.0000e+00	-3.4598e+02	7.3401e+02	-9.6387e+02
	400	0.0000e+00	0.0000e+00	0.0000e+00	7.3547e+02	3.9570e+02	-8.9627e+02
202	41	0.0000e+00	0.0000e+00	0.0000e+00	8.2478e+02	1.9327e+02	2.4945e+02
	43	0.0000e+00	0.0000e+00	0.0000e+00	-2.1723e+02	-7.3432e+02	2.8976e+01
	491	0.0000e+00	0.0000e+00	0.0000e+00	-1.4511e+02	2.3697e+03	-9.8542e+02
	510	0.0000e+00	0.0000e+00	0.0000e+00	6.0185e+02	3.5034e+03	-6.6000e+02
203	127	0.0000e+00	0.0000e+00	0.0000e+00	1.1487e+02	3.6057e+02	-1.2182e+02
	42	0.0000e+00	0.0000e+00	0.0000e+00	1.2988e+02	9.8959e+02	-2.9243e+01
	43	0.0000e+00	0.0000e+00	0.0000e+00	-2.8208e+02	-4.1842e+02	4.0561e+01
	41	0.0000e+00	0.0000e+00	0.0000e+00	6.4072e+02	1.1750e+02	-7.9899e+01
204	509	0.0000e+00	0.0000e+00	0.0000e+00	1.9859e+03	3.9439e+03	1.4221e+02
	510	0.0000e+00	0.0000e+00	0.0000e+00	1.8511e+02	3.8342e+03	-5.9829e+02
	400	0.0000e+00	0.0000e+00	0.0000e+00	2.0894e+02	1.6643e+02	-3.8835e+02
	399	0.0000e+00	0.0000e+00	0.0000e+00	7.7752e+02	-3.4791e+02	2.3856e+02
205	40	0.0000e+00	0.0000e+00	0.0000e+00	2.1298e+03	2.1431e+02	-2.9877e+02
	41	0.0000e+00	0.0000e+00	0.0000e+00	4.3320e+02	-1.9620e+02	-3.0177e+02
	510	0.0000e+00	0.0000e+00	0.0000e+00	6.3682e+02	3.4932e+03	-4.6389e+02

	509	0.0000e+00	0.0000e+00	0.0000e+00	2.1743e+03	3.3329e+03	-2.7853e+02
206	126	0.0000e+00	0.0000e+00	0.0000e+00	1.2774e+03	2.0961e+02	-6.0862e+02
	127	0.0000e+00	0.0000e+00	0.0000e+00	2.5125e+02	2.4446e+02	-1.4287e+02
	41	0.0000e+00	0.0000e+00	0.0000e+00	8.4471e+01	1.3991e+02	-2.1695e+02
	40	0.0000e+00	0.0000e+00	0.0000e+00	2.0416e+03	4.0199e+02	-6.8332e+02
207	91	0.0000e+00	0.0000e+00	0.0000e+00	-1.6583e+03	8.7526e+02	8.2231e+02
	509	0.0000e+00	0.0000e+00	0.0000e+00	2.4320e+03	3.4004e+03	4.4630e+02
	399	0.0000e+00	0.0000e+00	0.0000e+00	1.1585e+03	-6.7351e+02	1.1727e+03
	60	0.0000e+00	0.0000e+00	0.0000e+00	-8.4760e+02	-7.0651e+01	1.5883e+03
208	168	0.0000e+00	0.0000e+00	0.0000e+00	8.6841e+01	-5.4199e+01	-5.0592e+02
	40	0.0000e+00	0.0000e+00	0.0000e+00	2.2839e+03	-6.6757e+02	-6.4486e+02
	509	0.0000e+00	0.0000e+00	0.0000e+00	2.7047e+03	2.7772e+03	-1.0762e+02
	91	0.0000e+00	0.0000e+00	0.0000e+00	-1.5727e+03	1.0263e+03	3.9425e+01
209	1	0.0000e+00	0.0000e+00	0.0000e+00	-5.9094e+02	-3.6477e+02	-1.4225e+03
	126	0.0000e+00	0.0000e+00	0.0000e+00	1.5499e+03	2.3350e+02	-7.8104e+02
	40	0.0000e+00	0.0000e+00	0.0000e+00	1.4470e+03	-1.6354e+02	-8.6247e+02
	168	0.0000e+00	0.0000e+00	0.0000e+00	1.0685e+02	4.6275e+02	-1.2457e+03
210	508	0.0000e+00	0.0000e+00	0.0000e+00	2.0993e+01	8.3539e+02	-9.1967e+02
	476	0.0000e+00	0.0000e+00	0.0000e+00	1.6715e+02	6.0817e+02	-1.1070e+03
	187	0.0000e+00	0.0000e+00	0.0000e+00	-8.4599e+02	2.3199e+03	-1.0938e+03
	407	0.0000e+00	0.0000e+00	0.0000e+00	7.3172e+02	2.0596e+03	-9.1167e+02
211	507	0.0000e+00	0.0000e+00	0.0000e+00	5.9723e+02	-9.7672e+02	-1.0152e+02
	49	0.0000e+00	0.0000e+00	0.0000e+00	-7.3035e+02	-1.5314e+03	7.5456e+01
	476	0.0000e+00	0.0000e+00	0.0000e+00	8.0964e+01	-4.7155e+02	-3.9749e+02
	508	0.0000e+00	0.0000e+00	0.0000e+00	2.9341e+02	9.8364e+01	-7.0744e+02
212	506	0.0000e+00	0.0000e+00	0.0000e+00	-3.3817e+02	6.1993e+02	-3.3943e+02
	45	0.0000e+00	0.0000e+00	0.0000e+00	-2.2278e+02	1.2496e+03	-1.8703e+02
	49	0.0000e+00	0.0000e+00	0.0000e+00	-4.5275e+02	-7.2499e+02	3.7408e+02
	507	0.0000e+00	0.0000e+00	0.0000e+00	5.1126e+02	-1.1114e+03	2.5415e+02
213	487	0.0000e+00	0.0000e+00	0.0000e+00	2.3998e+02	1.8141e+03	-9.6181e+02
	508	0.0000e+00	0.0000e+00	0.0000e+00	-2.0925e+02	1.1515e+03	-9.5896e+02
	407	0.0000e+00	0.0000e+00	0.0000e+00	-8.9365e+02	1.8611e+03	-1.0068e+03
	406	0.0000e+00	0.0000e+00	0.0000e+00	8.6907e+02	1.4275e+03	-1.0483e+03
214	48	0.0000e+00	0.0000e+00	0.0000e+00	-3.1568e+02	-8.9452e+02	-7.0340e+01
	507	0.0000e+00	0.0000e+00	0.0000e+00	3.6732e+02	-4.9568e+02	-5.1818e+02
	508	0.0000e+00	0.0000e+00	0.0000e+00	-5.0392e+02	5.4170e+02	-6.5051e+02
	487	0.0000e+00	0.0000e+00	0.0000e+00	-1.8895e+02	1.6476e+03	-6.6497e+02
215	44	0.0000e+00	0.0000e+00	0.0000e+00	6.4186e+02	1.2675e+03	1.4302e+02
	506	0.0000e+00	0.0000e+00	0.0000e+00	-2.1987e+02	7.3210e+02	2.8159e+02
	507	0.0000e+00	0.0000e+00	0.0000e+00	5.2495e+02	-1.0094e+03	-4.5907e+02
	48	0.0000e+00	0.0000e+00	0.0000e+00	-5.8890e+01	-5.2705e+02	-4.1473e+02
216	491	0.0000e+00	0.0000e+00	0.0000e+00	2.1753e+02	2.5180e+03	-1.0460e+03
	487	0.0000e+00	0.0000e+00	0.0000e+00	-2.3765e+02	2.0872e+03	-8.8109e+02
	406	0.0000e+00	0.0000e+00	0.0000e+00	-6.8086e+02	1.2220e+03	-9.7280e+02
	186	0.0000e+00	0.0000e+00	0.0000e+00	8.0789e+02	9.6735e+02	-1.1102e+03
217	43	0.0000e+00	0.0000e+00	0.0000e+00	3.9862e+02	-3.4341e+02	3.0723e+02
	48	0.0000e+00	0.0000e+00	0.0000e+00	-1.4001e+02	-1.2353e+03	5.8388e+01
	487	0.0000e+00	0.0000e+00	0.0000e+00	-1.4854e+02	9.3535e+02	-1.0755e+03
	491	0.0000e+00	0.0000e+00	0.0000e+00	1.0117e+02	2.4942e+03	-7.3195e+02
218	42	0.0000e+00	0.0000e+00	0.0000e+00	2.5517e+02	9.2357e+02	-1.0579e+02
	44	0.0000e+00	0.0000e+00	0.0000e+00	-2.0130e+02	1.2086e+03	-1.4476e+01
	48	0.0000e+00	0.0000e+00	0.0000e+00	-2.6122e+02	-5.3559e+02	-1.7203e+01
	43	0.0000e+00	0.0000e+00	0.0000e+00	4.3395e+02	-3.1651e+02	-8.2912e+01
219	477	0.0000e+00	0.0000e+00	0.0000e+00	8.9326e+01	-1.0907e+03	-1.4855e+03
	485	0.0000e+00	0.0000e+00	0.0000e+00	1.0700e+03	-1.7184e+03	-1.9154e+03
	61	0.0000e+00	0.0000e+00	0.0000e+00	5.1118e+02	4.6394e+03	-1.9371e+03
	411	0.0000e+00	0.0000e+00	0.0000e+00	-1.8850e+02	4.0311e+03	-1.4649e+03

220	51	0.0000e+00	0.0000e+00	0.0000e+00	1.9916e+03	-4.6142e+03	4.4390e+02
	8	0.0000e+00	0.0000e+00	0.0000e+00	-2.4076e+02	-1.0060e+04	1.3853e+02
	485	0.0000e+00	0.0000e+00	0.0000e+00	3.0540e+01	-2.3067e+03	-2.0170e+03
	477	0.0000e+00	0.0000e+00	0.0000e+00	5.9573e+02	-3.6314e+03	-1.3625e+03
221	47	0.0000e+00	0.0000e+00	0.0000e+00	-4.2841e+02	1.4228e+03	5.9099e+02
	7	0.0000e+00	0.0000e+00	0.0000e+00	-1.0893e+03	6.7964e+03	2.8705e+03
	8	0.0000e+00	0.0000e+00	0.0000e+00	6.7908e+02	-8.6807e+03	2.6836e+03
	51	0.0000e+00	0.0000e+00	0.0000e+00	1.0606e+03	-2.7609e+03	4.2477e+02
222	473	0.0000e+00	0.0000e+00	0.0000e+00	-1.0688e+02	-4.3555e+02	-1.0764e+03
	477	0.0000e+00	0.0000e+00	0.0000e+00	6.7003e+02	-6.4401e+02	-1.7241e+03
	411	0.0000e+00	0.0000e+00	0.0000e+00	-7.0041e+02	3.6382e+03	-1.6114e+03
	409	0.0000e+00	0.0000e+00	0.0000e+00	3.4120e+02	3.2980e+03	-1.0972e+03
223	50	0.0000e+00	0.0000e+00	0.0000e+00	5.8447e+02	-2.7417e+03	-1.0673e+02
	51	0.0000e+00	0.0000e+00	0.0000e+00	1.2386e+02	-3.8325e+03	1.1671e+02
	477	0.0000e+00	0.0000e+00	0.0000e+00	2.4024e+02	-2.8809e+03	-9.1619e+02
	473	0.0000e+00	0.0000e+00	0.0000e+00	4.6726e+02	-1.8281e+03	-1.0971e+03
224	46	0.0000e+00	0.0000e+00	0.0000e+00	2.6953e+02	1.0897e+03	3.1883e+02
	47	0.0000e+00	0.0000e+00	0.0000e+00	-3.5949e+02	1.7402e+03	9.1511e+02
	51	0.0000e+00	0.0000e+00	0.0000e+00	3.6216e+02	-2.8175e+03	7.3499e+02
	50	0.0000e+00	0.0000e+00	0.0000e+00	3.0685e+02	-1.5679e+03	1.3803e+02
225	476	0.0000e+00	0.0000e+00	0.0000e+00	3.0662e+01	2.5369e+02	-9.3598e+02
	473	0.0000e+00	0.0000e+00	0.0000e+00	3.3740e+02	-3.3181e+02	-1.1974e+03
	409	0.0000e+00	0.0000e+00	0.0000e+00	-8.4080e+02	2.8980e+03	-1.3343e+03
	187	0.0000e+00	0.0000e+00	0.0000e+00	6.7059e+02	2.6110e+03	-9.6221e+02
226	49	0.0000e+00	0.0000e+00	0.0000e+00	1.1288e+02	-1.7805e+03	-2.2215e+02
	50	0.0000e+00	0.0000e+00	0.0000e+00	-1.5155e+02	-2.3762e+03	4.9509e+01
	473	0.0000e+00	0.0000e+00	0.0000e+00	1.6005e+01	-1.4887e+03	-6.0407e+02
	476	0.0000e+00	0.0000e+00	0.0000e+00	2.6253e+02	-6.3522e+02	-8.2761e+02
227	45	0.0000e+00	0.0000e+00	0.0000e+00	-2.1999e+02	1.0300e+03	1.6082e+02
	46	0.0000e+00	0.0000e+00	0.0000e+00	-7.7442e+01	1.1758e+03	4.5421e+02
	50	0.0000e+00	0.0000e+00	0.0000e+00	1.9094e+02	-1.3837e+03	3.2590e+02
	49	0.0000e+00	0.0000e+00	0.0000e+00	-9.6583e+01	-8.1812e+02	3.5026e+01
228	58	0.0000e+00	0.0000e+00	0.0000e+00	1.2374e+03	-1.7505e+03	-6.3535e+02
	1	0.0000e+00	0.0000e+00	0.0000e+00	-1.2180e+03	-1.7131e+03	-5.4618e+02
	464	0.0000e+00	0.0000e+00	0.0000e+00	-6.0056e+02	6.1181e+02	-9.4886e+02
	421	0.0000e+00	0.0000e+00	0.0000e+00	8.2021e+02	9.6909e+02	-1.0332e+03