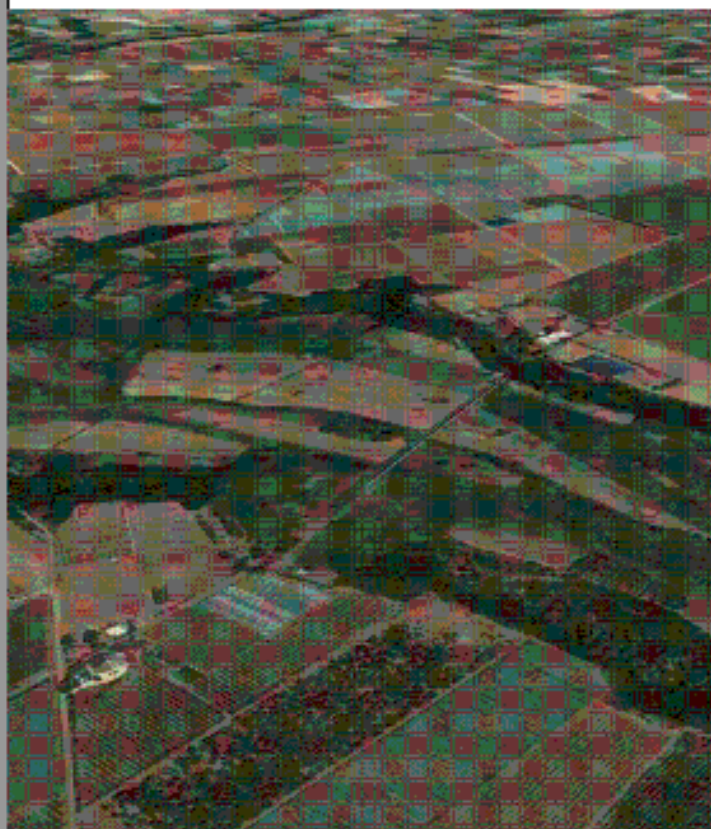


CONSORZIO DI BONIFICA STORNARA E TARA

viale Magna Grecia, 240 - 74121 TARANTO

PROGETTO DI FATTIBILITA' TECNICO-ECONOMICA DI RIPRISTINO DEL
"PONTE TUBO DELL'IMPIANTO IRRIGUO CONSORTILE SX BRADANO
UBICATO IN ATTRAVERSAMENTO NELLA LAMA DI LATERZA"
NEL COMUNE DI CASTELLANETA (TA)
CIG ZE320C0FE5



Capogruppo R.T.P.
ing. Francesco LASIGNA
via del Mercato, 40/E - 74011 CASTELLANETA

Mandatari R.T.P.
ing. Giuseppe CARLUCCI
via lago di Molveno, 7 - 74121 TARANTO
dott. geol. Antonio TRAMONTE
via Vittorio Veneto, 134 - 74016 MASSAFRA

R.U.P. Consorzio di Bonifica
ing. Santo CALASSO

ELABORATO	DATA	SCALA	ALLEGATO
<i>Analisi strutturale dello stato di fatto (parte 2)</i>	07/2018	varie	R.4.b

AGGIORNAMENTO	DATA	DESCRIZIONE

SOLLECITAZIONI ASTE:

FILE: astec001.bin											
Caso di carico: 1 - SLU (1.3xC1 + 1.5xC2 + 1.5xC3 + 1.5xC5)											
Asta	Prog.	Dist. (cm)	Sest.	N (kN)	Ty (kN)	Tz (kN)	Mx (kNm)	My (kNm)	Mz (kNm)	freccia Y (cm)	freccia Z (cm)
1	1	0.00	1	-2.898E+05	1.066E-10	-5.892E-11	0.000E+00	9.155E-06	-1.300E-05	0.000E+00	0.000E+00
1	2	68.75	1	-2.873E+05	1.066E-10	-5.892E-11	0.000E+00	9.159E-06	-1.299E-05	4.111E-14	2.901E-14
1	3	137.50	1	-2.848E+05	1.066E-10	-5.892E-11	0.000E+00	9.163E-06	-1.298E-05	5.480E-14	3.868E-14
1	4	206.25	1	-2.822E+05	1.066E-10	-5.892E-11	0.000E+00	9.167E-06	-1.297E-05	4.109E-14	2.901E-14
1	5	275.00	1	-2.797E+05	1.066E-10	-5.892E-11	0.000E+00	9.171E-06	-1.297E-05	-6.399E-21	2.671E-21
2	1	0.00	1	-2.969E+05	2.021E-11	-5.891E-10	0.000E+00	-2.218E-05	-2.352E+02	0.000E+00	0.000E+00
2	2	115.00	1	-2.926E+05	2.021E-11	-5.891E-10	0.000E+00	-2.211E-05	-2.352E+02	2.083E-06	-1.954E-13
2	3	230.00	1	-2.884E+05	2.021E-11	-5.891E-10	0.000E+00	-2.204E-05	-2.352E+02	2.778E-06	-2.603E-13
2	4	345.00	1	-2.842E+05	2.021E-11	-5.891E-10	0.000E+00	-2.197E-05	-2.352E+02	2.083E-06	-1.950E-13
2	5	460.00	1	-2.799E+05	2.021E-11	-5.891E-10	0.000E+00	-2.190E-05	-2.352E+02	-8.923E-13	-4.951E-20
3	1	0.00	1	-2.966E+05	-6.574E-10	-4.053E-10	0.000E+00	2.349E-06	-8.445E-06	0.000E+00	0.000E+00
3	2	115.00	1	-2.924E+05	-6.574E-10	-4.053E-10	0.000E+00	2.396E-06	-8.521E-06	7.593E-14	2.150E-14
3	3	230.00	1	-2.882E+05	-6.574E-10	-4.053E-10	0.000E+00	2.442E-06	-8.597E-06	1.015E-13	2.885E-14
3	4	345.00	1	-2.839E+05	-6.574E-10	-4.053E-10	0.000E+00	2.489E-06	-8.672E-06	7.638E-14	2.177E-14
3	5	460.00	1	-2.797E+05	-6.574E-10	-4.053E-10	0.000E+00	2.536E-06	-8.748E-06	-1.108E-20	2.612E-21
4	1	0.00	1	-2.980E+05	2.366E-10	1.160E-10	0.000E+00	-1.281E-05	-2.352E+02	0.000E+00	0.000E+00
4	2	122.50	1	-2.935E+05	2.366E-10	1.160E-10	0.000E+00	-1.282E-05	-2.352E+02	2.364E-06	-1.290E-13
4	3	245.00	1	-2.889E+05	2.366E-10	1.160E-10	0.000E+00	-1.284E-05	-2.352E+02	3.152E-06	-1.720E-13
4	4	367.50	1	-2.844E+05	2.366E-10	1.160E-10	0.000E+00	-1.285E-05	-2.352E+02	2.364E-06	-1.291E-13
4	5	490.00	1	-2.799E+05	2.366E-10	1.160E-10	0.000E+00	-1.286E-05	-2.352E+02	7.754E-14	-1.527E-21
5	1	0.00	1	-2.992E+05	-4.174E-10	3.468E-10	0.000E+00	1.696E-08	-1.324E-06	0.000E+00	0.000E+00
5	2	132.50	1	-2.943E+05	-4.174E-10	3.468E-10	0.000E+00	-2.900E-08	-1.380E-06	1.666E-14	-6.970E-16
5	3	265.00	1	-2.895E+05	-4.174E-10	3.468E-10	0.000E+00	-7.495E-08	-1.435E-06	2.250E-14	-1.166E-15
5	4	397.50	1	-2.846E+05	-4.174E-10	3.468E-10	0.000E+00	-1.209E-07	-1.490E-06	1.709E-14	-1.052E-15
5	5	530.00	1	-2.797E+05	-4.174E-10	3.468E-10	0.000E+00	-1.669E-07	-1.545E-06	-1.901E-21	-1.161E-22
6	1	0.00	1	-2.963E+05	-4.157E-10	7.778E-10	0.000E+00	2.161E-07	-2.352E+02	0.000E+00	0.000E+00
6	2	111.25	1	-2.922E+05	-4.157E-10	7.778E-10	0.000E+00	1.295E-07	-2.352E+02	1.950E-06	5.887E-16
6	3	222.50	1	-2.881E+05	-4.157E-10	7.778E-10	0.000E+00	4.298E-08	-2.352E+02	2.599E-06	4.704E-16
6	4	333.75	1	-2.840E+05	-4.157E-10	7.778E-10	0.000E+00	-4.355E-08	-2.352E+02	1.950E-06	1.170E-16
6	5	445.00	1	-2.799E+05	-4.157E-10	7.778E-10	0.000E+00	-1.301E-07	-2.352E+02	-3.728E-13	-2.667E-23
7	1	0.00	1	-2.995E+05	1.784E-09	1.000E-09	0.000E+00	9.219E-06	-1.467E+05	0.000E+00	0.000E+00
7	2	122.50	1	-2.950E+05	1.784E-09	1.000E-09	0.000E+00	9.096E-06	-1.467E+05	1.475E-03	9.062E-14
7	3	245.00	1	-2.905E+05	1.784E-09	1.000E-09	0.000E+00	8.974E-06	-1.467E+05	1.966E-03	1.203E-13
7	4	367.50	1	-2.860E+05	1.784E-09	1.000E-09	0.000E+00	8.851E-06	-1.467E+05	1.475E-03	8.979E-14
7	5	490.00	1	-2.815E+05	1.784E-09	1.000E-09	0.000E+00	8.729E-06	-1.467E+05	-2.209E-10	4.416E-21
8	1	0.00	1	-3.019E+05	-3.299E-10	4.203E-10	0.000E+00	-9.293E-06	-2.352E+02	0.000E+00	0.000E+00
8	2	125.00	1	-2.973E+05	-3.299E-10	4.203E-10	0.000E+00	-9.345E-06	-2.352E+02	2.462E-06	-9.818E-14
8	3	250.00	1	-2.927E+05	-3.299E-10	4.203E-10	0.000E+00	-9.398E-06	-2.352E+02	3.282E-06	-1.311E-13
8	4	375.00	1	-2.881E+05	-3.299E-10	4.203E-10	0.000E+00	-9.450E-06	-2.352E+02	2.462E-06	-9.854E-14
8	5	500.00	1	-2.835E+05	-3.299E-10	4.203E-10	0.000E+00	-9.503E-06	-2.352E+02	-2.345E-13	-1.915E-21
9	1	0.00	1	-3.004E+05	-2.415E-09	-4.456E-10	0.000E+00	-1.613E-05	1.467E+05	0.000E+00	0.000E+00
9	2	128.75	1	-2.957E+05	-2.415E-09	-4.456E-10	0.000E+00	-1.607E-05	1.467E+05	-1.629E-03	-1.780E-13
9	3	257.50	1	-2.910E+05	-2.415E-09	-4.456E-10	0.000E+00	-1.601E-05	1.467E+05	-2.172E-03	-2.371E-13
9	4	386.25	1	-2.862E+05	-2.415E-09	-4.456E-10	0.000E+00	-1.596E-05	1.467E+05	-1.629E-03	-1.776E-13
9	5	515.00	1	-2.815E+05	-2.415E-09	-4.456E-10	0.000E+00	-1.590E-05	1.467E+05	-2.195E-10	3.219E-21
10	1	0.00	1	-2.989E+05	1.972E-10	-3.518E-10	0.000E+00	1.007E-05	-2.352E+02	0.000E+00	0.000E+00
10	2	128.75	1	-2.941E+05	1.972E-10	-3.518E-10	0.000E+00	1.011E-05	-2.352E+02	2.611E-06	1.126E-13
10	3	257.50	1	-2.894E+05	1.972E-10	-3.518E-10	0.000E+00	1.016E-05	-2.352E+02	3.482E-06	1.504E-13
10	4	386.25	1	-2.847E+05	1.972E-10	-3.518E-10	0.000E+00	1.020E-05	-2.352E+02	2.611E-06	1.129E-13
10	5	515.00	1	-2.799E+05	1.972E-10	-3.518E-10	0.000E+00	1.025E-05	-2.352E+02	-3.580E-13	-1.889E-20
11	1	0.00	1	-2.961E+05	-1.214E-10	-9.407E-11	0.000E+00	-6.690E-06	6.711E-06	0.000E+00	0.000E+00
11	2	111.25	1	-2.920E+05	-1.214E-10	-9.407E-11	0.000E+00	-6.679E-06	6.697E-06	-5.545E-14	-5.532E-14
11	3	222.50	1	-2.879E+05	-1.214E-10	-9.407E-11	0.000E+00	-6.669E-06	6.684E-06	-7.388E-14	-7.372E-14
11	4	333.75	1	-2.838E+05	-1.214E-10	-9.407E-11	0.000E+00	-6.658E-06	6.670E-06	-5.537E-14	-5.526E-14
11	5	445.00	1	-2.797E+05	-1.214E-10	-9.407E-11	0.000E+00	-6.648E-06	6.657E-06	2.197E-21	6.059E-21
12	1	0.00	1	-2.994E+05	-7.016E-10	-1.346E-10	0.000E+00	-6.639E-06	-2.352E+02	0.000E+00	0.000E+00
12	2	132.50	1	-2.946E+05	-7.016E-10	-1.346E-10	0.000E+00	-6.621E-06	-2.352E+02	2.765E-06	-7.772E-14

12	3	265.00	1	-2.897E+05	-7.016E-10	-1.346E-10	0.000E+00	-6.603E-06	-2.352E+02	3.687E-06	-1.035E-13
12	4	397.50	1	-2.848E+05	-7.016E-10	-1.346E-10	0.000E+00	-6.585E-06	-2.352E+02	2.765E-06	-7.758E-14
12	5	530.00	1	-2.799E+05	-7.016E-10	-1.346E-10	0.000E+00	-6.567E-06	-2.352E+02	-7.812E-13	9.792E-22
13	1	0.00	1	-2.977E+05	-5.723E-11	-6.810E-12	0.000E+00	-3.352E-06	-6.142E-06	0.000E+00	0.000E+00
13	2	122.50	1	-2.932E+05	-5.723E-11	-6.810E-12	0.000E+00	-3.351E-06	-6.149E-06	6.186E-14	-3.368E-14
13	3	245.00	1	-2.887E+05	-5.723E-11	-6.810E-12	0.000E+00	-3.350E-06	-6.156E-06	8.251E-14	-4.490E-14
13	4	367.50	1	-2.842E+05	-5.723E-11	-6.810E-12	0.000E+00	-3.349E-06	-6.163E-06	6.191E-14	-3.367E-14
13	5	490.00	1	-2.797E+05	-5.723E-11	-6.810E-12	0.000E+00	-3.348E-06	-6.170E-06	9.125E-21	2.484E-21
14	1	0.00	1	-2.969E+05	3.422E-10	9.753E-10	0.000E+00	-2.695E-06	-2.352E+02	0.000E+00	0.000E+00
14	2	115.00	1	-2.926E+05	3.422E-10	9.753E-10	0.000E+00	-2.807E-06	-2.352E+02	2.083E-06	-2.553E-14
14	3	230.00	1	-2.884E+05	3.422E-10	9.753E-10	0.000E+00	-2.919E-06	-2.352E+02	2.778E-06	-3.448E-14
14	4	345.00	1	-2.842E+05	3.422E-10	9.753E-10	0.000E+00	-3.031E-06	-2.352E+02	2.083E-06	-2.619E-14
14	5	460.00	1	-2.799E+05	3.422E-10	9.753E-10	0.000E+00	-3.144E-06	-2.352E+02	-5.661E-13	2.334E-21
15	1	0.00	1	-2.929E+05	2.542E-10	-5.828E-11	0.000E+00	-2.732E-05	6.155E-06	0.000E+00	0.000E+00
15	2	90.00	1	-2.896E+05	2.542E-10	-5.828E-11	0.000E+00	-2.731E-05	6.178E-06	-3.360E-14	-1.482E-13
15	3	180.00	1	-2.863E+05	2.542E-10	-5.828E-11	0.000E+00	-2.731E-05	6.200E-06	-4.486E-14	-1.976E-13
15	4	270.00	1	-2.830E+05	2.542E-10	-5.828E-11	0.000E+00	-2.730E-05	6.223E-06	-3.368E-14	-1.482E-13
15	5	360.00	1	-2.797E+05	2.542E-10	-5.828E-11	0.000E+00	-2.730E-05	6.246E-06	7.891E-22	-3.677E-20
101	1	0.00	1	-2.384E-11	1.976E-10	-1.825E-14	-4.467E-15	5.068E-12	2.002E-08	0.000E+00	0.000E+00
101	2	17.25	1	5.559E-01	-3.836E+02	-1.825E-14	-4.467E-15	5.382E-12	-3.308E+03	-1.256E-05	0.000E+00
101	3	34.50	1	1.112E+00	-7.671E+02	-1.825E-14	-4.467E-15	5.697E-12	-1.323E+04	-1.648E-05	0.000E+00
101	4	51.75	1	1.668E+00	-1.151E+03	-1.825E-14	-4.467E-15	6.012E-12	-2.977E+04	-1.210E-05	0.000E+00
101	5	69.00	1	2.224E+00	-1.534E+03	-1.825E-14	-4.467E-15	6.327E-12	-5.293E+04	-1.808E-14	0.000E+00
102	1	0.00	1	3.161E-12	4.557E-11	-7.927E-15	4.483E-15	-2.467E-12	6.473E-08	0.000E+00	0.000E+00
102	2	17.25	1	5.559E-01	-3.836E+02	-7.927E-15	4.483E-15	-2.330E-12	-3.308E+03	-1.256E-05	0.000E+00
102	3	34.50	1	1.112E+00	-7.671E+02	-7.927E-15	4.483E-15	-2.194E-12	-1.323E+04	-1.648E-05	0.000E+00
102	4	51.75	1	1.668E+00	-1.151E+03	-7.927E-15	4.483E-15	-2.057E-12	-2.977E+04	-1.210E-05	0.000E+00
102	5	69.00	1	2.224E+00	-1.534E+03	-7.927E-15	4.483E-15	-1.920E-12	-5.293E+04	-1.808E-14	0.000E+00
103	1	0.00	1	-6.613E+01	5.985E+04	-1.298E+01	1.718E-01	-1.596E+02	-5.293E+04	0.000E+00	0.000E+00
103	2	45.25	1	-6.502E+01	5.884E+04	-1.298E+01	1.718E-01	4.279E+02	2.633E+06	-1.673E-03	6.799E-07
103	3	90.50	1	-6.391E+01	5.784E+04	-1.298E+01	1.718E-01	1.015E+03	5.272E+06	-2.653E-03	1.123E-06
103	4	135.75	1	-6.280E+01	5.683E+04	-1.298E+01	1.718E-01	1.603E+03	7.867E+06	-2.303E-03	1.005E-06
103	5	181.00	1	-6.169E+01	5.583E+04	-1.298E+01	1.718E-01	2.190E+03	1.042E+07	-1.628E-10	6.935E-14
104	1	0.00	1	-6.613E+01	5.985E+04	1.298E+01	-1.718E-01	1.596E+02	-5.293E+04	0.000E+00	0.000E+00
104	2	45.25	1	-6.502E+01	5.884E+04	1.298E+01	-1.718E-01	-4.279E+02	2.633E+06	-1.673E-03	-6.799E-07
104	3	90.50	1	-6.391E+01	5.784E+04	1.298E+01	-1.718E-01	-1.015E+03	5.272E+06	-2.653E-03	-1.123E-06
104	4	135.75	1	-6.280E+01	5.683E+04	1.298E+01	-1.718E-01	-1.603E+03	7.867E+06	-2.303E-03	-1.005E-06
104	5	181.00	1	-6.169E+01	5.583E+04	1.298E+01	-1.718E-01	-2.190E+03	1.042E+07	-1.628E-10	-6.936E-14
105	1	0.00	1	-4.410E+01	4.489E+04	4.566E+00	2.830E-02	2.102E+03	1.042E+07	0.000E+00	0.000E+00
105	2	127.25	1	-4.132E+01	4.206E+04	4.566E+00	2.830E-02	1.521E+03	1.595E+07	-5.586E-02	7.437E-06
105	3	254.50	1	-3.854E+01	3.923E+04	4.566E+00	2.830E-02	9.399E+02	2.112E+07	-8.093E-02	8.222E-06
105	4	381.75	1	-3.576E+01	3.640E+04	4.566E+00	2.830E-02	3.588E+02	2.593E+07	-6.537E-02	4.896E-06
105	5	509.00	1	-3.298E+01	3.357E+04	4.566E+00	2.830E-02	-2.222E+02	3.039E+07	-1.285E-09	-8.467E-13
106	1	0.00	1	-4.410E+01	4.489E+04	-4.566E+00	-2.830E-02	-2.102E+03	1.042E+07	0.000E+00	0.000E+00
106	2	127.25	1	-4.132E+01	4.206E+04	-4.566E+00	-2.830E-02	-1.521E+03	1.595E+07	-5.586E-02	-7.437E-06
106	3	254.50	1	-3.854E+01	3.923E+04	-4.566E+00	-2.830E-02	-9.399E+02	2.112E+07	-8.093E-02	-8.222E-06
106	4	381.75	1	-3.576E+01	3.640E+04	-4.566E+00	-2.830E-02	-3.588E+02	2.593E+07	-6.537E-02	-4.896E-06
106	5	509.00	1	-3.298E+01	3.357E+04	-4.566E+00	-2.830E-02	2.222E+02	3.039E+07	-1.285E-09	8.466E-13
107	1	0.00	1	-1.893E+01	1.931E+04	-7.319E-01	1.412E-02	-3.098E+02	3.039E+07	0.000E+00	0.000E+00
107	2	127.50	1	-1.615E+01	1.647E+04	-7.319E-01	1.412E-02	-2.165E+02	3.267E+07	-9.780E-02	-1.016E-06
107	3	255.00	1	-1.337E+01	1.364E+04	-7.319E-01	1.412E-02	-1.232E+02	3.459E+07	-1.327E-01	-1.082E-06
107	4	382.50	1	-1.059E+01	1.080E+04	-7.319E-01	1.412E-02	-2.984E+01	3.614E+07	-1.011E-01	-6.063E-07
107	5	510.00	1	-7.811E+00	7.967E+03	-7.319E-01	1.412E-02	6.347E+01	3.734E+07	-1.517E-09	2.163E-13
108	1	0.00	1	-1.893E+01	1.931E+04	7.319E-01	-1.412E-02	3.098E+02	3.039E+07	0.000E+00	0.000E+00
108	2	127.50	1	-1.615E+01	1.647E+04	7.319E-01	-1.412E-02	2.165E+02	3.267E+07	-9.780E-02	1.016E-06
108	3	255.00	1	-1.337E+01	1.364E+04	7.319E-01	-1.412E-02	1.232E+02	3.459E+07	-1.327E-01	1.082E-06
108	4	382.50	1	-1.059E+01	1.080E+04	7.319E-01	-1.412E-02	2.984E+01	3.614E+07	-1.011E-01	6.063E-07
108	5	510.00	1	-7.811E+00	7.967E+03	7.319E-01	-1.412E-02	-6.347E+01	3.734E+07	-1.517E-09	-2.164E-13
109	1	0.00	1	7.811E+00	-7.967E+03	-2.725E-01	-1.412E-02	-3.758E+01	3.734E+07	0.000E+00	0.000E+00
109	2	127.50	1	1.059E+01	-1.080E+04	-2.725E-01	-1.412E-02	-2.830E+00	3.614E+07	-1.011E-01	1.339E-07
109	3	255.00	1	1.337E+01	-1.364E+04	-2.725E-01	-1.412E-02	3.192E+01	3.459E+07	-1.327E-01	2.803E-07
109	4	382.50	1	1.615E+01	-1.647E+04	-2.725E-01	-1.412E-02	6.666E+01	3.267E+07	-9.780E-02	2.865E-07

109	5	510.00	1	1.893E+01	-1.931E+04	-2.725E-01	-1.412E-02	1.014E+02	3.039E+07	2.324E-09	1.175E-15
110	1	0.00	1	7.811E+00	-7.967E+03	2.725E-01	1.412E-02	3.758E+01	3.734E+07	0.000E+00	0.000E+00
110	2	127.50	1	1.059E+01	-1.080E+04	2.725E-01	1.412E-02	2.830E+00	3.614E+07	-1.011E-01	-1.339E-07
110	3	255.00	1	1.337E+01	-1.364E+04	2.725E-01	1.412E-02	-3.192E+01	3.459E+07	-1.327E-01	-2.803E-07
110	4	382.50	1	1.615E+01	-1.647E+04	2.725E-01	1.412E-02	-6.666E+01	3.267E+07	-9.780E-02	-2.865E-07
110	5	510.00	1	1.893E+01	-1.931E+04	2.725E-01	1.412E-02	-1.014E+02	3.039E+07	2.324E-09	-1.278E-15
111	1	0.00	1	3.298E+01	-3.357E+04	9.547E-01	-2.830E-02	1.168E+01	3.039E+07	0.000E+00	0.000E+00
111	2	127.25	1	3.576E+01	-3.640E+04	9.547E-01	-2.830E-02	-1.098E+02	2.593E+07	-6.537E-02	-1.252E-06
111	3	254.50	1	3.854E+01	-3.923E+04	9.547E-01	-2.830E-02	-2.313E+02	2.112E+07	-8.093E-02	-2.023E-06
111	4	381.75	1	4.132E+01	-4.206E+04	9.547E-01	-2.830E-02	-3.528E+02	1.595E+07	-5.586E-02	-1.783E-06
111	5	509.00	1	4.410E+01	-4.489E+04	9.547E-01	-2.830E-02	-4.742E+02	1.042E+07	-1.374E-08	-9.073E-14
112	1	0.00	1	3.298E+01	-3.357E+04	-9.547E-01	2.830E-02	-1.168E+01	3.039E+07	0.000E+00	0.000E+00
112	2	127.25	1	3.576E+01	-3.640E+04	-9.547E-01	2.830E-02	1.098E+02	2.593E+07	-6.537E-02	1.252E-06
112	3	254.50	1	3.854E+01	-3.923E+04	-9.547E-01	2.830E-02	2.313E+02	2.112E+07	-8.093E-02	2.023E-06
112	4	381.75	1	4.132E+01	-4.206E+04	-9.547E-01	2.830E-02	3.528E+02	1.595E+07	-5.586E-02	1.783E-06
112	5	509.00	1	4.410E+01	-4.489E+04	-9.547E-01	2.830E-02	4.742E+02	1.042E+07	-1.374E-08	9.064E-14
113	1	0.00	1	6.169E+01	-5.583E+04	-3.503E+00	-1.718E-01	-5.482E+02	1.042E+07	0.000E+00	0.000E+00
113	2	45.25	1	6.280E+01	-5.683E+04	-3.503E+00	-1.718E-01	-3.897E+02	7.867E+06	-2.303E-03	-2.356E-07
113	3	90.50	1	6.391E+01	-5.784E+04	-3.503E+00	-1.718E-01	-2.312E+02	5.272E+06	-2.653E-03	-2.557E-07
113	4	135.75	1	6.502E+01	-5.884E+04	-3.503E+00	-1.718E-01	-7.268E+01	2.633E+06	-1.673E-03	-1.480E-07
113	5	181.00	1	6.613E+01	-5.985E+04	-3.503E+00	-1.718E-01	8.582E+01	-5.293E+04	-4.527E-10	-2.058E-13
114	1	0.00	1	6.169E+01	-5.583E+04	3.503E+00	1.718E-01	5.482E+02	1.042E+07	0.000E+00	0.000E+00
114	2	45.25	1	6.280E+01	-5.683E+04	3.503E+00	1.718E-01	3.897E+02	7.867E+06	-2.303E-03	2.356E-07
114	3	90.50	1	6.391E+01	-5.784E+04	3.503E+00	1.718E-01	2.312E+02	5.272E+06	-2.653E-03	2.557E-07
114	4	135.75	1	6.502E+01	-5.884E+04	3.503E+00	1.718E-01	7.268E+01	2.633E+06	-1.673E-03	1.480E-07
114	5	181.00	1	6.613E+01	-5.985E+04	3.503E+00	1.718E-01	-8.582E+01	-5.293E+04	-4.527E-10	2.058E-13
115	1	0.00	1	1.774E-10	1.534E+03	8.961E-15	1.801E-16	-6.205E-11	-5.293E+04	0.000E+00	0.000E+00
115	2	17.25	1	1.774E-10	1.151E+03	8.961E-15	1.801E-16	-6.221E-11	-2.977E+04	-1.210E-05	0.000E+00
115	3	34.50	1	1.774E-10	7.671E+02	8.961E-15	1.801E-16	-6.236E-11	-1.323E+04	-1.648E-05	0.000E+00
115	4	51.75	1	1.774E-10	3.836E+02	8.961E-15	1.801E-16	-6.252E-11	-3.308E+03	-1.256E-05	0.000E+00
115	5	69.00	1	1.774E-10	8.543E-10	8.961E-15	1.801E-16	-6.267E-11	-1.178E-07	4.930E-13	0.000E+00
116	1	0.00	1	8.731E-11	1.534E+03	1.869E-13	-2.378E-15	1.090E-10	-5.293E+04	0.000E+00	0.000E+00
116	2	17.25	1	8.731E-11	1.151E+03	1.869E-13	-2.378E-15	1.058E-10	-2.977E+04	-1.210E-05	0.000E+00
116	3	34.50	1	8.731E-11	7.671E+02	1.869E-13	-2.378E-15	1.026E-10	-1.323E+04	-1.648E-05	0.000E+00
116	4	51.75	1	8.731E-11	3.836E+02	1.869E-13	-2.378E-15	9.934E-11	-3.308E+03	-1.256E-05	0.000E+00
116	5	69.00	1	8.731E-11	6.338E-11	1.869E-13	-2.378E-15	9.612E-11	-9.955E-08	4.930E-13	0.000E+00
117	1	0.00	1	-2.791E-12	-2.184E-10	3.370E-13	0.000E+00	-2.081E-11	1.073E-07	0.000E+00	0.000E+00
117	2	17.25	1	-2.791E-12	-3.836E+02	3.370E-13	0.000E+00	-2.662E-11	-3.308E+03	-1.256E-05	0.000E+00
117	3	34.50	1	-2.791E-12	-7.671E+02	3.370E-13	0.000E+00	-3.244E-11	-1.323E+04	-1.648E-05	0.000E+00
117	4	51.75	1	-2.791E-12	-1.151E+03	3.370E-13	0.000E+00	-3.825E-11	-2.977E+04	-1.210E-05	0.000E+00
117	5	69.00	1	-2.791E-12	-1.534E+03	3.370E-13	0.000E+00	-4.406E-11	-5.293E+04	9.744E-15	0.000E+00
118	1	0.00	1	-5.519E-12	-3.069E-10	5.282E-14	0.000E+00	-2.255E-11	1.543E-08	0.000E+00	0.000E+00
118	2	17.25	1	-5.519E-12	-3.836E+02	5.282E-14	0.000E+00	-2.346E-11	-3.308E+03	-1.256E-05	0.000E+00
118	3	34.50	1	-5.519E-12	-7.671E+02	5.282E-14	0.000E+00	-2.437E-11	-1.323E+04	-1.648E-05	0.000E+00
118	4	51.75	1	-5.519E-12	-1.151E+03	5.282E-14	0.000E+00	-2.528E-11	-2.977E+04	-1.210E-05	0.000E+00
118	5	69.00	1	-5.519E-12	-1.534E+03	5.282E-14	0.000E+00	-2.619E-11	-5.293E+04	9.755E-15	0.000E+00
119	1	0.00	1	-6.613E+01	5.985E+04	-3.661E+00	1.718E-01	-8.539E+01	-5.293E+04	0.000E+00	0.000E+00
119	2	45.25	1	-6.502E+01	5.884E+04	-3.661E+00	1.718E-01	8.025E+01	2.633E+06	-1.673E-03	1.582E-07
119	3	90.50	1	-6.391E+01	5.784E+04	-3.661E+00	1.718E-01	2.459E+02	5.272E+06	-2.653E-03	2.720E-07
119	4	135.75	1	-6.280E+01	5.683E+04	-3.661E+00	1.718E-01	4.115E+02	7.867E+06	-2.303E-03	2.498E-07
119	5	181.00	1	-6.169E+01	5.583E+04	-3.661E+00	1.718E-01	5.772E+02	1.042E+07	-5.452E-11	-1.179E-14
120	1	0.00	1	-6.613E+01	5.985E+04	3.661E+00	-1.718E-01	8.539E+01	-5.293E+04	0.000E+00	0.000E+00
120	2	45.25	1	-6.502E+01	5.884E+04	3.661E+00	-1.718E-01	-8.025E+01	2.633E+06	-1.673E-03	-1.582E-07
120	3	90.50	1	-6.391E+01	5.784E+04	3.661E+00	-1.718E-01	-2.459E+02	5.272E+06	-2.653E-03	-2.720E-07
120	4	135.75	1	-6.280E+01	5.683E+04	3.661E+00	-1.718E-01	-4.115E+02	7.867E+06	-2.303E-03	-2.498E-07
120	5	181.00	1	-6.169E+01	5.583E+04	3.661E+00	-1.718E-01	-5.772E+02	1.042E+07	-5.452E-11	1.178E-14
121	1	0.00	1	-4.410E+01	4.489E+04	1.129E+00	2.830E-02	5.035E+02	1.042E+07	0.000E+00	0.000E+00
121	2	127.25	1	-4.132E+01	4.206E+04	1.129E+00	2.830E-02	3.598E+02	1.595E+07	-5.586E-02	1.732E-06
121	3	254.50	1	-3.854E+01	3.923E+04	1.129E+00	2.830E-02	2.161E+02	2.112E+07	-8.093E-02	1.890E-06
121	4	381.75	1	-3.576E+01	3.640E+04	1.129E+00	2.830E-02	7.237E+01	2.593E+07	-6.537E-02	1.103E-06
121	5	509.00	1	-3.298E+01	3.357E+04	1.129E+00	2.830E-02	-7.132E+01	3.039E+07	-6.471E-10	-4.129E-13
122	1	0.00	1	-4.410E+01	4.489E+04	-1.129E+00	-2.830E-02	-5.035E+02	1.042E+07	0.000E+00	0.000E+00

122	2	127.25	1	-4.132E+01	4.206E+04	-1.129E+00	-2.830E-02	-3.598E+02	1.595E+07	-5.586E-02	-1.732E-06
122	3	254.50	1	-3.854E+01	3.923E+04	-1.129E+00	-2.830E-02	-2.161E+02	2.112E+07	-8.093E-02	-1.890E-06
122	4	381.75	1	-3.576E+01	3.640E+04	-1.129E+00	-2.830E-02	-7.237E+01	2.593E+07	-6.537E-02	-1.103E-06
122	5	509.00	1	-3.298E+01	3.357E+04	-1.129E+00	-2.830E-02	7.132E+01	3.039E+07	-6.471E-10	4.128E-13
123	1	0.00	1	-1.893E+01	1.931E+04	2.974E+00	1.412E-02	-1.612E+02	3.039E+07	0.000E+00	0.000E+00
123	2	127.50	1	-1.615E+01	1.647E+04	2.974E+00	1.412E-02	-5.403E+02	3.267E+07	-9.780E-02	-5.224E-06
123	3	255.00	1	-1.337E+01	1.364E+04	2.974E+00	1.412E-02	-9.195E+02	3.459E+07	-1.327E-01	-8.075E-06
123	4	382.50	1	-1.059E+01	1.080E+04	2.974E+00	1.412E-02	-1.299E+03	3.614E+07	-1.011E-01	-6.889E-06
123	5	510.00	1	-7.811E+00	7.967E+03	2.974E+00	1.412E-02	-1.678E+03	3.734E+07	-1.746E-09	-3.348E-13
124	1	0.00	1	-1.893E+01	1.931E+04	-2.974E+00	-1.412E-02	1.612E+02	3.039E+07	0.000E+00	0.000E+00
124	2	127.50	1	-1.615E+01	1.647E+04	-2.974E+00	-1.412E-02	5.403E+02	3.267E+07	-9.780E-02	5.224E-06
124	3	255.00	1	-1.337E+01	1.364E+04	-2.974E+00	-1.412E-02	9.195E+02	3.459E+07	-1.327E-01	8.075E-06
124	4	382.50	1	-1.059E+01	1.080E+04	-2.974E+00	-1.412E-02	1.299E+03	3.614E+07	-1.011E-01	6.889E-06
124	5	510.00	1	-7.811E+00	7.967E+03	-2.974E+00	-1.412E-02	1.678E+03	3.734E+07	-1.746E-09	3.347E-13
125	1	0.00	1	7.811E+00	-7.967E+03	-5.871E+01	-1.412E-02	-1.800E+03	3.734E+07	0.000E+00	0.000E+00
125	2	127.50	1	1.059E+01	-1.080E+04	-5.871E+01	-1.412E-02	5.686E+03	3.614E+07	-1.011E-01	7.032E-05
125	3	255.00	1	1.337E+01	-1.364E+04	-5.871E+01	-1.412E-02	1.317E+04	3.459E+07	-1.327E-01	1.157E-04
125	4	382.50	1	1.615E+01	-1.647E+04	-5.871E+01	-1.412E-02	2.066E+04	3.267E+07	-9.780E-02	1.032E-04
125	5	510.00	1	1.893E+01	-1.931E+04	-5.871E+01	-1.412E-02	2.814E+04	3.039E+07	2.433E-09	7.025E-13
126	1	0.00	1	7.811E+00	-7.967E+03	5.871E+01	1.412E-02	1.800E+03	3.734E+07	0.000E+00	0.000E+00
126	2	127.50	1	1.059E+01	-1.080E+04	5.871E+01	1.412E-02	-5.686E+03	3.614E+07	-1.011E-01	-7.032E-05
126	3	255.00	1	1.337E+01	-1.364E+04	5.871E+01	1.412E-02	-1.317E+04	3.459E+07	-1.327E-01	-1.157E-04
126	4	382.50	1	1.615E+01	-1.647E+04	5.871E+01	1.412E-02	-2.066E+04	3.267E+07	-9.780E-02	-1.032E-04
126	5	510.00	1	1.893E+01	-1.931E+04	5.871E+01	1.412E-02	-2.814E+04	3.039E+07	2.433E-09	-7.026E-13
127	1	0.00	1	3.298E+01	-3.357E+04	4.861E+02	-2.831E-02	2.834E+04	3.039E+07	0.000E+00	0.000E+00
127	2	127.25	1	3.576E+01	-3.640E+04	4.861E+02	-2.831E-02	-3.352E+04	2.593E+07	-6.537E-02	-4.905E-04
127	3	254.50	1	3.854E+01	-3.923E+04	4.861E+02	-2.831E-02	-9.538E+04	2.112E+07	-8.093E-02	-8.343E-04
127	4	381.75	1	4.132E+01	-4.206E+04	4.861E+02	-2.831E-02	-1.572E+05	1.595E+07	-5.586E-02	-7.610E-04
127	5	509.00	1	4.410E+01	-4.489E+04	4.861E+02	-2.831E-02	-2.191E+05	1.042E+07	-1.329E-08	-5.419E-12
128	1	0.00	1	3.298E+01	-3.357E+04	-4.861E+02	2.831E-02	-2.834E+04	3.039E+07	0.000E+00	0.000E+00
128	2	127.25	1	3.576E+01	-3.640E+04	-4.861E+02	2.831E-02	3.352E+04	2.593E+07	-6.537E-02	4.905E-04
128	3	254.50	1	3.854E+01	-3.923E+04	-4.861E+02	2.831E-02	9.538E+04	2.112E+07	-8.093E-02	8.343E-04
128	4	381.75	1	4.132E+01	-4.206E+04	-4.861E+02	2.831E-02	1.572E+05	1.595E+07	-5.586E-02	7.610E-04
128	5	509.00	1	4.410E+01	-4.489E+04	-4.861E+02	2.831E-02	2.191E+05	1.042E+07	-1.329E-08	5.419E-12
129	1	0.00	1	6.169E+01	-5.583E+04	-1.277E+03	-1.718E-01	-2.211E+05	1.042E+07	0.000E+00	0.000E+00
129	2	45.25	1	6.280E+01	-5.683E+04	-1.277E+03	-1.718E-01	-1.633E+05	7.867E+06	-2.303E-03	-1.035E-04
129	3	90.50	1	6.391E+01	-5.784E+04	-1.277E+03	-1.718E-01	-1.056E+05	5.272E+06	-2.653E-03	-1.168E-04
129	4	135.75	1	6.502E+01	-5.884E+04	-1.277E+03	-1.718E-01	-4.778E+04	2.633E+06	-1.673E-03	-7.159E-05
129	5	181.00	1	6.613E+01	-5.985E+04	-1.277E+03	-1.718E-01	9.999E+03	-5.293E+04	-8.975E-10	2.885E-11
130	1	0.00	1	6.169E+01	-5.583E+04	1.277E+03	1.718E-01	2.211E+05	1.042E+07	0.000E+00	0.000E+00
130	2	45.25	1	6.280E+01	-5.683E+04	1.277E+03	1.718E-01	1.633E+05	7.867E+06	-2.303E-03	1.035E-04
130	3	90.50	1	6.391E+01	-5.784E+04	1.277E+03	1.718E-01	1.056E+05	5.272E+06	-2.653E-03	1.168E-04
130	4	135.75	1	6.502E+01	-5.884E+04	1.277E+03	1.718E-01	4.778E+04	2.633E+06	-1.673E-03	7.159E-05
130	5	181.00	1	6.613E+01	-5.985E+04	1.277E+03	1.718E-01	-9.999E+03	-5.293E+04	-8.975E-10	-2.885E-11
131	1	0.00	1	-2.224E+00	1.534E+03	-2.486E-11	5.098E-12	-2.840E-09	-5.293E+04	0.000E+00	0.000E+00
131	2	17.25	1	-1.668E+00	1.151E+03	-2.486E-11	5.098E-12	-2.411E-09	-2.977E+04	-1.210E-05	0.000E+00
131	3	34.50	1	-1.112E+00	7.671E+02	-2.486E-11	5.098E-12	-1.983E-09	-1.323E+04	-1.648E-05	0.000E+00
131	4	51.75	1	-5.559E-01	3.836E+02	-2.486E-11	5.098E-12	-1.554E-09	-3.308E+03	-1.256E-05	0.000E+00
131	5	69.00	1	-2.444E-10	-2.879E-10	-2.486E-11	5.098E-12	-1.125E-09	7.192E-08	2.092E-13	0.000E+00
132	1	0.00	1	-2.224E+00	1.534E+03	-1.721E-10	3.185E-12	-1.076E-08	-5.293E+04	0.000E+00	0.000E+00
132	2	17.25	1	-1.668E+00	1.151E+03	-1.721E-10	3.185E-12	-7.787E-09	-2.977E+04	-1.210E-05	-6.466E-19
132	3	34.50	1	-1.112E+00	7.671E+02	-1.721E-10	3.185E-12	-4.818E-09	-1.323E+04	-1.648E-05	-7.088E-19
132	4	51.75	1	-5.559E-01	3.836E+02	-1.721E-10	3.185E-12	-1.849E-09	-3.308E+03	-1.256E-05	-4.165E-19
132	5	69.00	1	5.866E-11	1.931E-10	-1.721E-10	3.185E-12	1.119E-09	-2.247E-07	2.092E-13	-1.936E-26
133	1	0.00	1	-1.122E-12	-2.937E-11	-3.372E-12	2.040E-13	-9.413E-11	7.921E-08	0.000E+00	0.000E+00
133	2	17.25	1	5.559E-01	-3.836E+02	-3.372E-12	2.040E-13	-3.596E-11	-3.308E+03	-1.256E-05	0.000E+00
133	3	34.50	1	1.112E+00	-7.671E+02	-3.372E-12	2.040E-13	2.221E-11	-1.323E+04	-1.648E-05	0.000E+00
133	4	51.75	1	1.668E+00	-1.151E+03	-3.372E-12	2.040E-13	8.038E-11	-2.977E+04	-1.210E-05	0.000E+00
133	5	69.00	1	2.224E+00	-1.534E+03	-3.372E-12	2.040E-13	1.386E-10	-5.293E+04	-1.808E-14	0.000E+00
134	1	0.00	1	-3.732E-12	-1.276E-10	-1.923E-12	-2.053E-13	2.127E-10	1.099E-07	0.000E+00	0.000E+00
134	2	17.25	1	5.559E-01	-3.836E+02	-1.923E-12	-2.053E-13	2.459E-10	-3.308E+03	-1.256E-05	0.000E+00
134	3	34.50	1	1.112E+00	-7.671E+02	-1.923E-12	-2.053E-13	2.791E-10	-1.323E+04	-1.648E-05	0.000E+00

134	4	51.75	1	1.668E+00	-1.151E+03	-1.923E-12	-2.053E-13	3.123E-10	-2.977E+04	-1.210E-05	0.000E+00
134	5	69.00	1	2.224E+00	-1.534E+03	-1.923E-12	-2.053E-13	3.454E-10	-5.293E+04	-1.808E-14	0.000E+00
135	1	0.00	1	-6.613E+01	5.985E+04	1.297E+03	1.718E-01	1.003E+04	-5.293E+04	0.000E+00	0.000E+00
135	2	45.25	1	-6.502E+01	5.884E+04	1.297E+03	1.718E-01	-4.863E+04	2.633E+06	-1.673E-03	-7.279E-05
135	3	90.50	1	-6.391E+01	5.784E+04	1.297E+03	1.718E-01	-1.073E+05	5.272E+06	-2.653E-03	-1.187E-04
135	4	135.75	1	-6.280E+01	5.683E+04	1.297E+03	1.718E-01	-1.660E+05	7.867E+06	-2.303E-03	-1.052E-04
135	5	181.00	1	-6.169E+01	5.583E+04	1.297E+03	1.718E-01	-2.246E+05	1.042E+07	-1.628E-10	-2.095E-12
136	1	0.00	1	-6.613E+01	5.985E+04	-1.297E+03	-1.718E-01	-1.003E+04	-5.293E+04	0.000E+00	0.000E+00
136	2	45.25	1	-6.502E+01	5.884E+04	-1.297E+03	-1.718E-01	4.863E+04	2.633E+06	-1.673E-03	7.279E-05
136	3	90.50	1	-6.391E+01	5.784E+04	-1.297E+03	-1.718E-01	1.073E+05	5.272E+06	-2.653E-03	1.187E-04
136	4	135.75	1	-6.280E+01	5.683E+04	-1.297E+03	-1.718E-01	1.660E+05	7.867E+06	-2.303E-03	1.052E-04
136	5	181.00	1	-6.169E+01	5.583E+04	-1.297E+03	-1.718E-01	2.246E+05	1.042E+07	-1.628E-10	2.095E-12
137	1	0.00	1	-4.410E+01	4.489E+04	-4.944E+02	2.830E-02	-2.227E+05	1.042E+07	0.000E+00	0.000E+00
137	2	127.25	1	-4.132E+01	4.206E+04	-4.944E+02	2.830E-02	-1.598E+05	1.595E+07	-5.586E-02	-7.734E-04
137	3	254.50	1	-3.854E+01	3.923E+04	-4.944E+02	2.830E-02	-9.691E+04	2.112E+07	-8.093E-02	-8.477E-04
137	4	381.75	1	-3.576E+01	3.640E+04	-4.944E+02	2.830E-02	-3.400E+04	2.593E+07	-6.537E-02	-4.982E-04
137	5	509.00	1	-3.298E+01	3.357E+04	-4.944E+02	2.830E-02	2.891E+04	3.039E+07	-1.285E-09	-9.651E-11
138	1	0.00	1	-4.410E+01	4.489E+04	4.944E+02	-2.830E-02	2.227E+05	1.042E+07	0.000E+00	0.000E+00
138	2	127.25	1	-4.132E+01	4.206E+04	4.944E+02	-2.830E-02	1.598E+05	1.595E+07	-5.586E-02	7.734E-04
138	3	254.50	1	-3.854E+01	3.923E+04	4.944E+02	-2.830E-02	9.691E+04	2.112E+07	-8.093E-02	8.477E-04
138	4	381.75	1	-3.576E+01	3.640E+04	4.944E+02	-2.830E-02	3.400E+04	2.593E+07	-6.537E-02	4.982E-04
138	5	509.00	1	-3.298E+01	3.357E+04	4.944E+02	-2.830E-02	-2.891E+04	3.039E+07	-1.285E-09	9.651E-11
139	1	0.00	1	-1.893E+01	1.931E+04	5.934E+01	1.412E-02	2.853E+04	3.039E+07	0.000E+00	0.000E+00
139	2	127.50	1	-1.615E+01	1.647E+04	5.934E+01	1.412E-02	2.096E+04	3.267E+07	-9.780E-02	1.049E-04
139	3	255.00	1	-1.337E+01	1.364E+04	5.934E+01	1.412E-02	1.340E+04	3.459E+07	-1.327E-01	1.177E-04
139	4	382.50	1	-1.059E+01	1.080E+04	5.934E+01	1.412E-02	5.831E+03	3.614E+07	-1.011E-01	7.163E-05
139	5	510.00	1	-7.811E+00	7.967E+03	5.934E+01	1.412E-02	-1.736E+03	3.734E+07	-1.517E-09	-3.549E-12
140	1	0.00	1	-1.893E+01	1.931E+04	-5.934E+01	-1.412E-02	-2.853E+04	3.039E+07	0.000E+00	0.000E+00
140	2	127.50	1	-1.615E+01	1.647E+04	-5.934E+01	-1.412E-02	-2.096E+04	3.267E+07	-9.780E-02	-1.049E-04
140	3	255.00	1	-1.337E+01	1.364E+04	-5.934E+01	-1.412E-02	-1.340E+04	3.459E+07	-1.327E-01	-1.177E-04
140	4	382.50	1	-1.059E+01	1.080E+04	-5.934E+01	-1.412E-02	-5.831E+03	3.614E+07	-1.011E-01	-7.163E-05
140	5	510.00	1	-7.811E+00	7.967E+03	-5.934E+01	-1.412E-02	1.736E+03	3.734E+07	-1.517E-09	3.549E-12
141	1	0.00	1	7.811E+00	-7.967E+03	-3.636E+00	-1.412E-02	-1.815E+03	3.734E+07	0.000E+00	0.000E+00
141	2	127.50	1	1.059E+01	-1.080E+04	-3.636E+00	-1.412E-02	-1.351E+03	3.614E+07	-1.011E-01	-6.865E-06
141	3	255.00	1	1.337E+01	-1.364E+04	-3.636E+00	-1.412E-02	-8.877E+02	3.459E+07	-1.327E-01	-7.796E-06
141	4	382.50	1	1.615E+01	-1.647E+04	-3.636E+00	-1.412E-02	-4.241E+02	3.267E+07	-9.780E-02	-4.829E-06
141	5	510.00	1	1.893E+01	-1.931E+04	-3.636E+00	-1.412E-02	3.950E+01	3.039E+07	2.324E-09	5.610E-13
142	1	0.00	1	7.811E+00	-7.967E+03	3.636E+00	1.412E-02	1.815E+03	3.734E+07	0.000E+00	0.000E+00
142	2	127.50	1	1.059E+01	-1.080E+04	3.636E+00	1.412E-02	1.351E+03	3.614E+07	-1.011E-01	6.865E-06
142	3	255.00	1	1.337E+01	-1.364E+04	3.636E+00	1.412E-02	8.877E+02	3.459E+07	-1.327E-01	7.796E-06
142	4	382.50	1	1.615E+01	-1.647E+04	3.636E+00	1.412E-02	4.241E+02	3.267E+07	-9.780E-02	4.829E-06
142	5	510.00	1	1.893E+01	-1.931E+04	3.636E+00	1.412E-02	-3.950E+01	3.039E+07	2.324E-09	-5.604E-13
143	1	0.00	1	3.298E+01	-3.357E+04	7.738E-01	-2.830E-02	-5.011E+01	3.039E+07	0.000E+00	0.000E+00
143	2	127.25	1	3.576E+01	-3.640E+04	7.738E-01	-2.830E-02	-1.486E+02	2.593E+07	-6.537E-02	-1.405E-06
143	3	254.50	1	3.854E+01	-3.923E+04	7.738E-01	-2.830E-02	-2.470E+02	2.112E+07	-8.093E-02	-2.161E-06
143	4	381.75	1	4.132E+01	-4.206E+04	7.738E-01	-2.830E-02	-3.455E+02	1.595E+07	-5.586E-02	-1.836E-06
143	5	509.00	1	4.410E+01	-4.489E+04	7.738E-01	-2.830E-02	-4.440E+02	1.042E+07	-1.374E-08	2.562E-13
144	1	0.00	1	3.298E+01	-3.357E+04	-7.738E-01	2.830E-02	5.011E+01	3.039E+07	0.000E+00	0.000E+00
144	2	127.25	1	3.576E+01	-3.640E+04	-7.738E-01	2.830E-02	1.486E+02	2.593E+07	-6.537E-02	1.405E-06
144	3	254.50	1	3.854E+01	-3.923E+04	-7.738E-01	2.830E-02	2.470E+02	2.112E+07	-8.093E-02	2.161E-06
144	4	381.75	1	4.132E+01	-4.206E+04	-7.738E-01	2.830E-02	3.455E+02	1.595E+07	-5.586E-02	1.836E-06
144	5	509.00	1	4.410E+01	-4.489E+04	-7.738E-01	2.830E-02	4.440E+02	1.042E+07	-1.374E-08	-2.553E-13
145	1	0.00	1	6.169E+01	-5.583E+04	-3.340E+00	-1.718E-01	-5.182E+02	1.042E+07	0.000E+00	0.000E+00
145	2	45.25	1	6.280E+01	-5.683E+04	-3.340E+00	-1.718E-01	-3.671E+02	7.867E+06	-2.303E-03	-2.210E-07
145	3	90.50	1	6.391E+01	-5.784E+04	-3.340E+00	-1.718E-01	-2.160E+02	5.272E+06	-2.653E-03	-2.389E-07
145	4	135.75	1	6.502E+01	-5.884E+04	-3.340E+00	-1.718E-01	-6.485E+01	2.633E+06	-1.673E-03	-1.374E-07
145	5	181.00	1	6.613E+01	-5.985E+04	-3.340E+00	-1.718E-01	8.627E+01	-5.293E+04	-4.527E-10	-1.787E-14
146	1	0.00	1	6.169E+01	-5.583E+04	3.340E+00	1.718E-01	5.182E+02	1.042E+07	0.000E+00	0.000E+00
146	2	45.25	1	6.280E+01	-5.683E+04	3.340E+00	1.718E-01	3.671E+02	7.867E+06	-2.303E-03	2.210E-07
146	3	90.50	1	6.391E+01	-5.784E+04	3.340E+00	1.718E-01	2.160E+02	5.272E+06	-2.653E-03	2.389E-07
146	4	135.75	1	6.502E+01	-5.884E+04	3.340E+00	1.718E-01	6.485E+01	2.633E+06	-1.673E-03	1.374E-07
146	5	181.00	1	6.613E+01	-5.985E+04	3.340E+00	1.718E-01	-8.627E+01	-5.293E+04	-4.527E-10	1.801E-14

147	1	0.00	1	-4.644E-12	1.534E+03	8.209E-13	3.946E-16	4.614E-11	-5.293E+04	0.000E+00	0.000E+00
147	2	17.25	1	-4.644E-12	1.151E+03	8.209E-13	3.946E-16	3.198E-11	-2.977E+04	-1.210E-05	0.000E+00
147	3	34.50	1	-4.644E-12	7.671E+02	8.209E-13	3.946E-16	1.782E-11	-1.323E+04	-1.648E-05	0.000E+00
147	4	51.75	1	-4.644E-12	3.836E+02	8.209E-13	3.946E-16	3.656E-12	-3.308E+03	-1.256E-05	0.000E+00
147	5	69.00	1	-4.644E-12	1.101E-09	8.209E-13	3.946E-16	-1.050E-11	4.066E-08	4.930E-13	0.000E+00
148	1	0.00	1	-9.823E-12	1.534E+03	3.539E-13	-1.306E-16	6.262E-08	-5.293E+04	0.000E+00	0.000E+00
148	2	17.25	1	-9.823E-12	1.151E+03	3.539E-13	-1.306E-16	6.262E-08	-2.977E+04	-1.210E-05	7.457E-18
148	3	34.50	1	-9.823E-12	7.671E+02	3.539E-13	-1.306E-16	6.261E-08	-1.323E+04	-1.648E-05	9.942E-18
148	4	51.75	1	-9.823E-12	3.836E+02	3.539E-13	-1.306E-16	6.260E-08	-3.308E+03	-1.256E-05	7.456E-18
148	5	69.00	1	-9.823E-12	3.861E-10	3.539E-13	-1.306E-16	6.260E-08	-1.060E-07	4.930E-13	-8.017E-25
149	1	0.00	1	-5.178E-12	-2.762E-10	-2.450E-12	0.000E+00	-1.690E-10	1.008E-07	0.000E+00	0.000E+00
149	2	17.25	1	-5.178E-12	-3.836E+02	-2.450E-12	0.000E+00	-1.267E-10	-3.308E+03	-1.256E-05	0.000E+00
149	3	34.50	1	-5.178E-12	-7.671E+02	-2.450E-12	0.000E+00	-8.445E-11	-1.323E+04	-1.648E-05	0.000E+00
149	4	51.75	1	-5.178E-12	-1.151E+03	-2.450E-12	0.000E+00	-4.218E-11	-2.977E+04	-1.210E-05	0.000E+00
149	5	69.00	1	-5.178E-12	-1.534E+03	-2.450E-12	0.000E+00	8.749E-14	-5.293E+04	9.741E-15	0.000E+00
150	1	0.00	1	-2.814E-12	2.175E-11	-4.295E-13	0.000E+00	-8.582E-11	1.031E-07	0.000E+00	0.000E+00
150	2	17.25	1	-2.814E-12	-3.836E+02	-4.295E-13	0.000E+00	-7.841E-11	-3.308E+03	-1.256E-05	0.000E+00
150	3	34.50	1	-2.814E-12	-7.671E+02	-4.295E-13	0.000E+00	-7.101E-11	-1.323E+04	-1.648E-05	0.000E+00
150	4	51.75	1	-2.814E-12	-1.151E+03	-4.295E-13	0.000E+00	-6.360E-11	-2.977E+04	-1.210E-05	0.000E+00
150	5	69.00	1	-2.814E-12	-1.534E+03	-4.295E-13	0.000E+00	-5.619E-11	-5.293E+04	9.745E-15	0.000E+00
151	1	0.00	1	-6.613E+01	5.985E+04	-3.661E+00	1.718E-01	-8.539E+01	-5.293E+04	0.000E+00	0.000E+00
151	2	45.25	1	-6.502E+01	5.884E+04	-3.661E+00	1.718E-01	8.025E+01	2.633E+06	-1.673E-03	1.582E-07
151	3	90.50	1	-6.391E+01	5.784E+04	-3.661E+00	1.718E-01	2.459E+02	5.272E+06	-2.653E-03	2.720E-07
151	4	135.75	1	-6.280E+01	5.683E+04	-3.661E+00	1.718E-01	4.115E+02	7.867E+06	-2.303E-03	2.498E-07
151	5	181.00	1	-6.169E+01	5.583E+04	-3.661E+00	1.718E-01	5.772E+02	1.042E+07	-5.452E-11	-1.178E-14
152	1	0.00	1	-6.613E+01	5.985E+04	3.661E+00	-1.718E-01	8.539E+01	-5.293E+04	0.000E+00	0.000E+00
152	2	45.25	1	-6.502E+01	5.884E+04	3.661E+00	-1.718E-01	-8.025E+01	2.633E+06	-1.673E-03	-1.582E-07
152	3	90.50	1	-6.391E+01	5.784E+04	3.661E+00	-1.718E-01	-2.459E+02	5.272E+06	-2.653E-03	-2.720E-07
152	4	135.75	1	-6.280E+01	5.683E+04	3.661E+00	-1.718E-01	-4.115E+02	7.867E+06	-2.303E-03	-2.498E-07
152	5	181.00	1	-6.169E+01	5.583E+04	3.661E+00	-1.718E-01	-5.772E+02	1.042E+07	-5.452E-11	1.179E-14
153	1	0.00	1	-4.410E+01	4.489E+04	1.129E+00	2.830E-02	5.035E+02	1.042E+07	0.000E+00	0.000E+00
153	2	127.25	1	-4.132E+01	4.206E+04	1.129E+00	2.830E-02	3.598E+02	1.595E+07	-5.586E-02	1.732E-06
153	3	254.50	1	-3.854E+01	3.923E+04	1.129E+00	2.830E-02	2.161E+02	2.112E+07	-8.093E-02	1.890E-06
153	4	381.75	1	-3.576E+01	3.640E+04	1.129E+00	2.830E-02	7.237E+01	2.593E+07	-6.537E-02	1.103E-06
153	5	509.00	1	-3.298E+01	3.357E+04	1.129E+00	2.830E-02	-7.132E+01	3.039E+07	-6.471E-10	-4.128E-13
154	1	0.00	1	-4.410E+01	4.489E+04	-1.129E+00	-2.830E-02	-5.035E+02	1.042E+07	0.000E+00	0.000E+00
154	2	127.25	1	-4.132E+01	4.206E+04	-1.129E+00	-2.830E-02	-3.598E+02	1.595E+07	-5.586E-02	-1.732E-06
154	3	254.50	1	-3.854E+01	3.923E+04	-1.129E+00	-2.830E-02	-2.161E+02	2.112E+07	-8.093E-02	-1.890E-06
154	4	381.75	1	-3.576E+01	3.640E+04	-1.129E+00	-2.830E-02	-7.237E+01	2.593E+07	-6.537E-02	-1.103E-06
154	5	509.00	1	-3.298E+01	3.357E+04	-1.129E+00	-2.830E-02	7.132E+01	3.039E+07	-6.471E-10	4.129E-13
155	1	0.00	1	-1.893E+01	1.931E+04	2.974E+00	1.412E-02	-1.612E+02	3.039E+07	0.000E+00	0.000E+00
155	2	127.50	1	-1.615E+01	1.647E+04	2.974E+00	1.412E-02	-5.403E+02	3.267E+07	-9.780E-02	-5.224E-06
155	3	255.00	1	-1.337E+01	1.364E+04	2.974E+00	1.412E-02	-9.195E+02	3.459E+07	-1.327E-01	-8.075E-06
155	4	382.50	1	-1.059E+01	1.080E+04	2.974E+00	1.412E-02	-1.299E+03	3.614E+07	-1.011E-01	-6.889E-06
155	5	510.00	1	-7.811E+00	7.967E+03	2.974E+00	1.412E-02	-1.678E+03	3.734E+07	-1.746E-09	-3.347E-13
156	1	0.00	1	-1.893E+01	1.931E+04	-2.974E+00	-1.412E-02	1.612E+02	3.039E+07	0.000E+00	0.000E+00
156	2	127.50	1	-1.615E+01	1.647E+04	-2.974E+00	-1.412E-02	5.403E+02	3.267E+07	-9.780E-02	5.224E-06
156	3	255.00	1	-1.337E+01	1.364E+04	-2.974E+00	-1.412E-02	9.195E+02	3.459E+07	-1.327E-01	8.075E-06
156	4	382.50	1	-1.059E+01	1.080E+04	-2.974E+00	-1.412E-02	1.299E+03	3.614E+07	-1.011E-01	6.889E-06
156	5	510.00	1	-7.811E+00	7.967E+03	-2.974E+00	-1.412E-02	1.678E+03	3.734E+07	-1.746E-09	3.348E-13
157	1	0.00	1	7.811E+00	-7.967E+03	-5.871E+01	-1.412E-02	-1.800E+03	3.734E+07	0.000E+00	0.000E+00
157	2	127.50	1	1.059E+01	-1.080E+04	-5.871E+01	-1.412E-02	5.686E+03	3.614E+07	-1.011E-01	7.032E-05
157	3	255.00	1	1.337E+01	-1.364E+04	-5.871E+01	-1.412E-02	1.317E+04	3.459E+07	-1.327E-01	1.157E-04
157	4	382.50	1	1.615E+01	-1.647E+04	-5.871E+01	-1.412E-02	2.066E+04	3.267E+07	-9.780E-02	1.032E-04
157	5	510.00	1	1.893E+01	-1.931E+04	-5.871E+01	-1.412E-02	2.814E+04	3.039E+07	2.433E-09	7.028E-13
158	1	0.00	1	7.811E+00	-7.967E+03	5.871E+01	1.412E-02	1.800E+03	3.734E+07	0.000E+00	0.000E+00
158	2	127.50	1	1.059E+01	-1.080E+04	5.871E+01	1.412E-02	-5.686E+03	3.614E+07	-1.011E-01	-7.032E-05
158	3	255.00	1	1.337E+01	-1.364E+04	5.871E+01	1.412E-02	-1.317E+04	3.459E+07	-1.327E-01	-1.157E-04
158	4	382.50	1	1.615E+01	-1.647E+04	5.871E+01	1.412E-02	-2.066E+04	3.267E+07	-9.780E-02	-1.032E-04
158	5	510.00	1	1.893E+01	-1.931E+04	5.871E+01	1.412E-02	-2.814E+04	3.039E+07	2.433E-09	-7.028E-13
159	1	0.00	1	3.298E+01	-3.357E+04	4.861E+02	-2.831E-02	2.834E+04	3.039E+07	0.000E+00	0.000E+00
159	2	127.25	1	3.576E+01	-3.640E+04	4.861E+02	-2.831E-02	-3.352E+04	2.593E+07	-6.537E-02	-4.905E-04

159	3	254.50	1	3.854E+01	-3.923E+04	4.861E+02	-2.831E-02	-9.538E+04	2.112E+07	-8.093E-02	-8.343E-04
159	4	381.75	1	4.132E+01	-4.206E+04	4.861E+02	-2.831E-02	-1.572E+05	1.595E+07	-5.586E-02	-7.610E-04
159	5	509.00	1	4.410E+01	-4.489E+04	4.861E+02	-2.831E-02	-2.191E+05	1.042E+07	-1.329E-08	-5.421E-12
160	1	0.00	1	3.298E+01	-3.357E+04	-4.861E+02	2.831E-02	-2.834E+04	3.039E+07	0.000E+00	0.000E+00
160	2	127.25	1	3.576E+01	-3.640E+04	-4.861E+02	2.831E-02	3.352E+04	2.593E+07	-6.537E-02	4.905E-04
160	3	254.50	1	3.854E+01	-3.923E+04	-4.861E+02	2.831E-02	9.538E+04	2.112E+07	-8.093E-02	8.343E-04
160	4	381.75	1	4.132E+01	-4.206E+04	-4.861E+02	2.831E-02	1.572E+05	1.595E+07	-5.586E-02	7.610E-04
160	5	509.00	1	4.410E+01	-4.489E+04	-4.861E+02	2.831E-02	2.191E+05	1.042E+07	-1.329E-08	5.421E-12
161	1	0.00	1	6.169E+01	-5.583E+04	-1.277E+03	-1.718E-01	-2.211E+05	1.042E+07	0.000E+00	0.000E+00
161	2	45.25	1	6.280E+01	-5.683E+04	-1.277E+03	-1.718E-01	-1.633E+05	7.867E+06	-2.303E-03	-1.035E-04
161	3	90.50	1	6.391E+01	-5.784E+04	-1.277E+03	-1.718E-01	-1.056E+05	5.272E+06	-2.653E-03	-1.168E-04
161	4	135.75	1	6.502E+01	-5.884E+04	-1.277E+03	-1.718E-01	-4.778E+04	2.633E+06	-1.673E-03	-7.159E-05
161	5	181.00	1	6.613E+01	-5.985E+04	-1.277E+03	-1.718E-01	9.999E+03	-5.293E+04	-8.975E-10	2.885E-11
162	1	0.00	1	6.169E+01	-5.583E+04	1.277E+03	1.718E-01	2.211E+05	1.042E+07	0.000E+00	0.000E+00
162	2	45.25	1	6.280E+01	-5.683E+04	1.277E+03	1.718E-01	1.633E+05	7.867E+06	-2.303E-03	1.035E-04
162	3	90.50	1	6.391E+01	-5.784E+04	1.277E+03	1.718E-01	1.056E+05	5.272E+06	-2.653E-03	1.168E-04
162	4	135.75	1	6.502E+01	-5.884E+04	1.277E+03	1.718E-01	4.778E+04	2.633E+06	-1.673E-03	7.159E-05
162	5	181.00	1	6.613E+01	-5.985E+04	1.277E+03	1.718E-01	-9.999E+03	-5.293E+04	-8.975E-10	-2.885E-11
163	1	0.00	1	-2.224E+00	1.534E+03	1.738E-10	-4.577E-12	7.764E-09	-5.293E+04	0.000E+00	0.000E+00
163	2	17.25	1	-1.668E+00	1.151E+03	1.738E-10	-4.577E-12	4.766E-09	-2.977E+04	-1.210E-05	3.212E-19
163	3	34.50	1	-1.112E+00	7.671E+02	1.738E-10	-4.577E-12	1.768E-09	-1.323E+04	-1.648E-05	2.688E-19
163	4	51.75	1	-5.559E-01	3.836E+02	1.738E-10	-4.577E-12	-1.230E-09	-3.308E+03	-1.256E-05	8.206E-20
163	5	69.00	1	4.288E-11	-8.343E-10	1.738E-10	-4.577E-12	-4.228E-09	-1.212E-07	2.092E-13	-4.649E-26
164	1	0.00	1	-2.224E+00	1.534E+03	6.408E-12	-9.513E-12	2.627E-09	-5.293E+04	0.000E+00	0.000E+00
164	2	17.25	1	-1.668E+00	1.151E+03	6.408E-12	-9.513E-12	2.516E-09	-2.977E+04	-1.210E-05	2.377E-19
164	3	34.50	1	-1.112E+00	7.671E+02	6.408E-12	-9.513E-12	2.406E-09	-1.323E+04	-1.648E-05	3.050E-19
164	4	51.75	1	-5.559E-01	3.836E+02	6.408E-12	-9.513E-12	2.295E-09	-3.308E+03	-1.256E-05	2.197E-19
164	5	69.00	1	-1.093E-10	1.546E-09	6.408E-12	-9.513E-12	2.185E-09	1.091E-08	2.092E-13	-7.950E-26
165	1	0.00	1	3.795E-12	6.644E-12	5.782E-12	-5.358E-16	-2.728E-12	4.028E-08	0.000E+00	0.000E+00
165	2	17.25	1	5.559E-01	-3.836E+02	5.782E-12	-5.358E-16	-1.025E-10	-3.308E+03	-1.256E-05	0.000E+00
165	3	34.50	1	1.112E+00	-7.671E+02	5.782E-12	-5.358E-16	-2.022E-10	-1.323E+04	-1.648E-05	0.000E+00
165	4	51.75	1	1.668E+00	-1.151E+03	5.782E-12	-5.358E-16	-3.020E-10	-2.977E+04	-1.210E-05	0.000E+00
165	5	69.00	1	2.224E+00	-1.534E+03	5.782E-12	-5.358E-16	-4.017E-10	-5.293E+04	-1.808E-14	0.000E+00
166	1	0.00	1	1.610E-13	-3.010E-11	-3.489E-12	-5.055E-16	1.343E-10	1.016E-07	0.000E+00	0.000E+00
166	2	17.25	1	5.559E-01	-3.836E+02	-3.489E-12	-5.055E-16	1.945E-10	-3.308E+03	-1.256E-05	0.000E+00
166	3	34.50	1	1.112E+00	-7.671E+02	-3.489E-12	-5.055E-16	2.547E-10	-1.323E+04	-1.648E-05	0.000E+00
166	4	51.75	1	1.668E+00	-1.151E+03	-3.489E-12	-5.055E-16	3.149E-10	-2.977E+04	-1.210E-05	0.000E+00
166	5	69.00	1	2.224E+00	-1.534E+03	-3.489E-12	-5.055E-16	3.751E-10	-5.293E+04	-1.809E-14	0.000E+00
167	1	0.00	1	-6.613E+01	5.985E+04	1.297E+03	1.718E-01	1.003E+04	-5.293E+04	0.000E+00	0.000E+00
167	2	45.25	1	-6.502E+01	5.884E+04	1.297E+03	1.718E-01	-4.863E+04	2.633E+06	-1.673E-03	-7.279E-05
167	3	90.50	1	-6.391E+01	5.784E+04	1.297E+03	1.718E-01	-1.073E+05	5.272E+06	-2.653E-03	-1.187E-04
167	4	135.75	1	-6.280E+01	5.683E+04	1.297E+03	1.718E-01	-1.660E+05	7.867E+06	-2.303E-03	-1.052E-04
167	5	181.00	1	-6.169E+01	5.583E+04	1.297E+03	1.718E-01	-2.246E+05	1.042E+07	-1.628E-10	-2.095E-12
168	1	0.00	1	-6.613E+01	5.985E+04	-1.297E+03	-1.718E-01	-1.003E+04	-5.293E+04	0.000E+00	0.000E+00
168	2	45.25	1	-6.502E+01	5.884E+04	-1.297E+03	-1.718E-01	4.863E+04	2.633E+06	-1.673E-03	7.279E-05
168	3	90.50	1	-6.391E+01	5.784E+04	-1.297E+03	-1.718E-01	1.073E+05	5.272E+06	-2.653E-03	1.187E-04
168	4	135.75	1	-6.280E+01	5.683E+04	-1.297E+03	-1.718E-01	1.660E+05	7.867E+06	-2.303E-03	1.052E-04
168	5	181.00	1	-6.169E+01	5.583E+04	-1.297E+03	-1.718E-01	2.246E+05	1.042E+07	-1.628E-10	2.095E-12
169	1	0.00	1	-4.410E+01	4.489E+04	-4.944E+02	2.830E-02	-2.227E+05	1.042E+07	0.000E+00	0.000E+00
169	2	127.25	1	-4.132E+01	4.206E+04	-4.944E+02	2.830E-02	-1.598E+05	1.595E+07	-5.586E-02	-7.734E-04
169	3	254.50	1	-3.854E+01	3.923E+04	-4.944E+02	2.830E-02	-9.691E+04	2.112E+07	-8.093E-02	-8.477E-04
169	4	381.75	1	-3.576E+01	3.640E+04	-4.944E+02	2.830E-02	-3.400E+04	2.593E+07	-6.537E-02	-4.982E-04
169	5	509.00	1	-3.298E+01	3.357E+04	-4.944E+02	2.830E-02	2.891E+04	3.039E+07	-1.285E-09	-9.651E-11
170	1	0.00	1	-4.410E+01	4.489E+04	4.944E+02	-2.830E-02	2.227E+05	1.042E+07	0.000E+00	0.000E+00
170	2	127.25	1	-4.132E+01	4.206E+04	4.944E+02	-2.830E-02	1.598E+05	1.595E+07	-5.586E-02	7.734E-04
170	3	254.50	1	-3.854E+01	3.923E+04	4.944E+02	-2.830E-02	9.691E+04	2.112E+07	-8.093E-02	8.477E-04
170	4	381.75	1	-3.576E+01	3.640E+04	4.944E+02	-2.830E-02	3.400E+04	2.593E+07	-6.537E-02	4.982E-04
170	5	509.00	1	-3.298E+01	3.357E+04	4.944E+02	-2.830E-02	-2.891E+04	3.039E+07	-1.285E-09	9.651E-11
171	1	0.00	1	-1.893E+01	1.931E+04	5.934E+01	1.412E-02	2.853E+04	3.039E+07	0.000E+00	0.000E+00
171	2	127.50	1	-1.615E+01	1.647E+04	5.934E+01	1.412E-02	2.096E+04	3.267E+07	-9.780E-02	1.049E-04
171	3	255.00	1	-1.337E+01	1.364E+04	5.934E+01	1.412E-02	1.340E+04	3.459E+07	-1.327E-01	1.177E-04
171	4	382.50	1	-1.059E+01	1.080E+04	5.934E+01	1.412E-02	5.831E+03	3.614E+07	-1.011E-01	7.163E-05

171	5	510.00	1	-7.811E+00	7.967E+03	5.934E+01	1.412E-02	-1.736E+03	3.734E+07	-1.517E-09	-3.548E-12
172	1	0.00	1	-1.893E+01	1.931E+04	-5.934E+01	-1.412E-02	-2.853E+04	3.039E+07	0.000E+00	0.000E+00
172	2	127.50	1	-1.615E+01	1.647E+04	-5.934E+01	-1.412E-02	-2.096E+04	3.267E+07	-9.780E-02	-1.049E-04
172	3	255.00	1	-1.337E+01	1.364E+04	-5.934E+01	-1.412E-02	-1.340E+04	3.459E+07	-1.327E-01	-1.177E-04
172	4	382.50	1	-1.059E+01	1.080E+04	-5.934E+01	-1.412E-02	-5.831E+03	3.614E+07	-1.011E-01	-7.163E-05
172	5	510.00	1	-7.811E+00	7.967E+03	-5.934E+01	-1.412E-02	1.736E+03	3.734E+07	-1.517E-09	3.549E-12
173	1	0.00	1	7.811E+00	-7.967E+03	-3.636E+00	-1.412E-02	-1.815E+03	3.734E+07	0.000E+00	0.000E+00
173	2	127.50	1	1.059E+01	-1.080E+04	-3.636E+00	-1.412E-02	-1.351E+03	3.614E+07	-1.011E-01	-6.865E-06
173	3	255.00	1	1.337E+01	-1.364E+04	-3.636E+00	-1.412E-02	-8.877E+02	3.459E+07	-1.327E-01	-7.796E-06
173	4	382.50	1	1.615E+01	-1.647E+04	-3.636E+00	-1.412E-02	-4.241E+02	3.267E+07	-9.780E-02	-4.829E-06
173	5	510.00	1	1.893E+01	-1.931E+04	-3.636E+00	-1.412E-02	3.950E+01	3.039E+07	2.324E-09	5.607E-13
174	1	0.00	1	7.811E+00	-7.967E+03	3.636E+00	1.412E-02	1.815E+03	3.734E+07	0.000E+00	0.000E+00
174	2	127.50	1	1.059E+01	-1.080E+04	3.636E+00	1.412E-02	1.351E+03	3.614E+07	-1.011E-01	6.865E-06
174	3	255.00	1	1.337E+01	-1.364E+04	3.636E+00	1.412E-02	8.877E+02	3.459E+07	-1.327E-01	7.796E-06
174	4	382.50	1	1.615E+01	-1.647E+04	3.636E+00	1.412E-02	4.241E+02	3.267E+07	-9.780E-02	4.829E-06
174	5	510.00	1	1.893E+01	-1.931E+04	3.636E+00	1.412E-02	-3.950E+01	3.039E+07	2.324E-09	-5.606E-13
175	1	0.00	1	3.298E+01	-3.357E+04	7.738E-01	-2.830E-02	-5.011E+01	3.039E+07	0.000E+00	0.000E+00
175	2	127.25	1	3.576E+01	-3.640E+04	7.738E-01	-2.830E-02	-1.486E+02	2.593E+07	-6.537E-02	-1.405E-06
175	3	254.50	1	3.854E+01	-3.923E+04	7.738E-01	-2.830E-02	-2.470E+02	2.112E+07	-8.093E-02	-2.161E-06
175	4	381.75	1	4.132E+01	-4.206E+04	7.738E-01	-2.830E-02	-3.455E+02	1.595E+07	-5.586E-02	-1.836E-06
175	5	509.00	1	4.410E+01	-4.489E+04	7.738E-01	-2.830E-02	-4.440E+02	1.042E+07	-1.374E-08	2.558E-13
176	1	0.00	1	3.298E+01	-3.357E+04	-7.738E-01	2.830E-02	5.011E+01	3.039E+07	0.000E+00	0.000E+00
176	2	127.25	1	3.576E+01	-3.640E+04	-7.738E-01	2.830E-02	1.486E+02	2.593E+07	-6.537E-02	1.405E-06
176	3	254.50	1	3.854E+01	-3.923E+04	-7.738E-01	2.830E-02	2.470E+02	2.112E+07	-8.093E-02	2.161E-06
176	4	381.75	1	4.132E+01	-4.206E+04	-7.738E-01	2.830E-02	3.455E+02	1.595E+07	-5.586E-02	1.836E-06
176	5	509.00	1	4.410E+01	-4.489E+04	-7.738E-01	2.830E-02	4.440E+02	1.042E+07	-1.374E-08	-2.557E-13
177	1	0.00	1	6.169E+01	-5.583E+04	-3.340E+00	-1.718E-01	-5.182E+02	1.042E+07	0.000E+00	0.000E+00
177	2	45.25	1	6.280E+01	-5.683E+04	-3.340E+00	-1.718E-01	-3.671E+02	7.867E+06	-2.303E-03	-2.210E-07
177	3	90.50	1	6.391E+01	-5.784E+04	-3.340E+00	-1.718E-01	-2.160E+02	5.272E+06	-2.653E-03	-2.389E-07
177	4	135.75	1	6.502E+01	-5.884E+04	-3.340E+00	-1.718E-01	-6.485E+01	2.633E+06	-1.673E-03	-1.374E-07
177	5	181.00	1	6.613E+01	-5.985E+04	-3.340E+00	-1.718E-01	8.627E+01	-5.293E+04	-4.527E-10	-1.788E-14
178	1	0.00	1	6.169E+01	-5.583E+04	3.340E+00	1.718E-01	5.182E+02	1.042E+07	0.000E+00	0.000E+00
178	2	45.25	1	6.280E+01	-5.683E+04	3.340E+00	1.718E-01	3.671E+02	7.867E+06	-2.303E-03	2.210E-07
178	3	90.50	1	6.391E+01	-5.784E+04	3.340E+00	1.718E-01	2.160E+02	5.272E+06	-2.653E-03	2.389E-07
178	4	135.75	1	6.502E+01	-5.884E+04	3.340E+00	1.718E-01	6.485E+01	2.633E+06	-1.673E-03	1.374E-07
178	5	181.00	1	6.613E+01	-5.985E+04	3.340E+00	1.718E-01	-8.627E+01	-5.293E+04	-4.527E-10	1.788E-14
179	1	0.00	1	8.527E-14	1.534E+03	-3.656E-13	6.895E-17	-1.538E-10	-5.293E+04	0.000E+00	0.000E+00
179	2	17.25	1	8.527E-14	1.151E+03	-3.656E-13	6.895E-17	-1.475E-10	-2.977E+04	-1.210E-05	0.000E+00
179	3	34.50	1	8.527E-14	7.671E+02	-3.656E-13	6.895E-17	-1.412E-10	-1.323E+04	-1.648E-05	0.000E+00
179	4	51.75	1	8.527E-14	3.836E+02	-3.656E-13	6.895E-17	-1.348E-10	-3.308E+03	-1.256E-05	0.000E+00
179	5	69.00	1	8.527E-14	3.757E-10	-3.656E-13	6.895E-17	-1.285E-10	6.603E-08	4.930E-13	0.000E+00
180	1	0.00	1	-2.387E-12	1.534E+03	9.239E-12	-1.731E-15	3.593E-10	-5.293E+04	0.000E+00	0.000E+00
180	2	17.25	1	-2.387E-12	1.151E+03	9.239E-12	-1.731E-15	1.999E-10	-2.977E+04	-1.210E-05	0.000E+00
180	3	34.50	1	-2.387E-12	7.671E+02	9.239E-12	-1.731E-15	4.055E-11	-1.323E+04	-1.648E-05	0.000E+00
180	4	51.75	1	-2.387E-12	3.836E+02	9.239E-12	-1.731E-15	-1.188E-10	-3.308E+03	-1.256E-05	0.000E+00
180	5	69.00	1	-2.387E-12	-1.746E-09	9.239E-12	-1.731E-15	-2.782E-10	8.423E-08	4.930E-13	0.000E+00
181	1	0.00	1	-5.434E-12	1.704E-10	-1.930E-12	0.000E+00	1.134E-10	9.869E-08	0.000E+00	0.000E+00
181	2	17.25	1	-5.434E-12	-3.836E+02	-1.930E-12	0.000E+00	1.467E-10	-3.308E+03	-1.256E-05	0.000E+00
181	3	34.50	1	-5.434E-12	-7.671E+02	-1.930E-12	0.000E+00	1.800E-10	-1.323E+04	-1.648E-05	0.000E+00
181	4	51.75	1	-5.434E-12	-1.151E+03	-1.930E-12	0.000E+00	2.133E-10	-2.977E+04	-1.210E-05	0.000E+00
181	5	69.00	1	-5.434E-12	-1.534E+03	-1.930E-12	0.000E+00	2.466E-10	-5.293E+04	9.738E-15	0.000E+00
182	1	0.00	1	-5.178E-12	1.283E-11	7.340E-13	0.000E+00	1.022E-10	1.203E-07	0.000E+00	0.000E+00
182	2	17.25	1	-5.178E-12	-3.836E+02	7.340E-13	0.000E+00	8.957E-11	-3.308E+03	-1.256E-05	0.000E+00
182	3	34.50	1	-5.178E-12	-7.671E+02	7.340E-13	0.000E+00	7.691E-11	-1.323E+04	-1.648E-05	0.000E+00
182	4	51.75	1	-5.178E-12	-1.151E+03	7.340E-13	0.000E+00	6.425E-11	-2.977E+04	-1.210E-05	0.000E+00
182	5	69.00	1	-5.178E-12	-1.534E+03	7.340E-13	0.000E+00	5.158E-11	-5.293E+04	9.739E-15	0.000E+00
183	1	0.00	1	-6.613E+01	5.985E+04	-3.661E+00	1.718E-01	-8.539E+01	-5.293E+04	0.000E+00	0.000E+00
183	2	45.25	1	-6.502E+01	5.884E+04	-3.661E+00	1.718E-01	8.025E+01	2.633E+06	-1.673E-03	1.582E-07
183	3	90.50	1	-6.391E+01	5.784E+04	-3.661E+00	1.718E-01	2.459E+02	5.272E+06	-2.653E-03	2.720E-07
183	4	135.75	1	-6.280E+01	5.683E+04	-3.661E+00	1.718E-01	4.115E+02	7.867E+06	-2.303E-03	2.498E-07
183	5	181.00	1	-6.169E+01	5.583E+04	-3.661E+00	1.718E-01	5.772E+02	1.042E+07	-5.452E-11	-1.180E-14
184	1	0.00	1	-6.613E+01	5.985E+04	3.661E+00	-1.718E-01	8.539E+01	-5.293E+04	0.000E+00	0.000E+00

184	2	45.25	1	-6.502E+01	5.884E+04	3.661E+00	-1.718E-01	-8.025E+01	2.633E+06	-1.673E-03	-1.582E-07
184	3	90.50	1	-6.391E+01	5.784E+04	3.661E+00	-1.718E-01	-2.459E+02	5.272E+06	-2.653E-03	-2.720E-07
184	4	135.75	1	-6.280E+01	5.683E+04	3.661E+00	-1.718E-01	-4.115E+02	7.867E+06	-2.303E-03	-2.498E-07
184	5	181.00	1	-6.169E+01	5.583E+04	3.661E+00	-1.718E-01	-5.772E+02	1.042E+07	-5.452E-11	1.177E-14
185	1	0.00	1	-4.410E+01	4.489E+04	1.129E+00	2.830E-02	5.035E+02	1.042E+07	0.000E+00	0.000E+00
185	2	127.25	1	-4.132E+01	4.206E+04	1.129E+00	2.830E-02	3.598E+02	1.595E+07	-5.586E-02	1.732E-06
185	3	254.50	1	-3.854E+01	3.923E+04	1.129E+00	2.830E-02	2.161E+02	2.112E+07	-8.093E-02	1.890E-06
185	4	381.75	1	-3.576E+01	3.640E+04	1.129E+00	2.830E-02	7.237E+01	2.593E+07	-6.537E-02	1.103E-06
185	5	509.00	1	-3.298E+01	3.357E+04	1.129E+00	2.830E-02	-7.132E+01	3.039E+07	-6.471E-10	-4.130E-13
186	1	0.00	1	-4.410E+01	4.489E+04	-1.129E+00	-2.830E-02	-5.035E+02	1.042E+07	0.000E+00	0.000E+00
186	2	127.25	1	-4.132E+01	4.206E+04	-1.129E+00	-2.830E-02	-3.598E+02	1.595E+07	-5.586E-02	-1.732E-06
186	3	254.50	1	-3.854E+01	3.923E+04	-1.129E+00	-2.830E-02	-2.161E+02	2.112E+07	-8.093E-02	-1.890E-06
186	4	381.75	1	-3.576E+01	3.640E+04	-1.129E+00	-2.830E-02	-7.237E+01	2.593E+07	-6.537E-02	-1.103E-06
186	5	509.00	1	-3.298E+01	3.357E+04	-1.129E+00	-2.830E-02	7.132E+01	3.039E+07	-6.471E-10	4.127E-13
187	1	0.00	1	-1.893E+01	1.931E+04	2.974E+00	1.412E-02	-1.612E+02	3.039E+07	0.000E+00	0.000E+00
187	2	127.50	1	-1.615E+01	1.647E+04	2.974E+00	1.412E-02	-5.403E+02	3.267E+07	-9.780E-02	-5.224E-06
187	3	255.00	1	-1.337E+01	1.364E+04	2.974E+00	1.412E-02	-9.195E+02	3.459E+07	-1.327E-01	-8.075E-06
187	4	382.50	1	-1.059E+01	1.080E+04	2.974E+00	1.412E-02	-1.299E+03	3.614E+07	-1.011E-01	-6.889E-06
187	5	510.00	1	-7.811E+00	7.967E+03	2.974E+00	1.412E-02	-1.678E+03	3.734E+07	-1.746E-09	-3.348E-13
188	1	0.00	1	-1.893E+01	1.931E+04	-2.974E+00	-1.412E-02	1.612E+02	3.039E+07	0.000E+00	0.000E+00
188	2	127.50	1	-1.615E+01	1.647E+04	-2.974E+00	-1.412E-02	5.403E+02	3.267E+07	-9.780E-02	5.224E-06
188	3	255.00	1	-1.337E+01	1.364E+04	-2.974E+00	-1.412E-02	9.195E+02	3.459E+07	-1.327E-01	8.075E-06
188	4	382.50	1	-1.059E+01	1.080E+04	-2.974E+00	-1.412E-02	1.299E+03	3.614E+07	-1.011E-01	6.889E-06
188	5	510.00	1	-7.811E+00	7.967E+03	-2.974E+00	-1.412E-02	1.678E+03	3.734E+07	-1.746E-09	3.347E-13
189	1	0.00	1	7.811E+00	-7.967E+03	-5.871E+01	-1.412E-02	-1.800E+03	3.734E+07	0.000E+00	0.000E+00
189	2	127.50	1	1.059E+01	-1.080E+04	-5.871E+01	-1.412E-02	5.686E+03	3.614E+07	-1.011E-01	7.032E-05
189	3	255.00	1	1.337E+01	-1.364E+04	-5.871E+01	-1.412E-02	1.317E+04	3.459E+07	-1.327E-01	1.157E-04
189	4	382.50	1	1.615E+01	-1.647E+04	-5.871E+01	-1.412E-02	2.066E+04	3.267E+07	-9.780E-02	1.032E-04
189	5	510.00	1	1.893E+01	-1.931E+04	-5.871E+01	-1.412E-02	2.814E+04	3.039E+07	2.433E-09	7.028E-13
190	1	0.00	1	7.811E+00	-7.967E+03	5.871E+01	1.412E-02	1.800E+03	3.734E+07	0.000E+00	0.000E+00
190	2	127.50	1	1.059E+01	-1.080E+04	5.871E+01	1.412E-02	-5.686E+03	3.614E+07	-1.011E-01	-7.032E-05
190	3	255.00	1	1.337E+01	-1.364E+04	5.871E+01	1.412E-02	-1.317E+04	3.459E+07	-1.327E-01	-1.157E-04
190	4	382.50	1	1.615E+01	-1.647E+04	5.871E+01	1.412E-02	-2.066E+04	3.267E+07	-9.780E-02	-1.032E-04
190	5	510.00	1	1.893E+01	-1.931E+04	5.871E+01	1.412E-02	-2.814E+04	3.039E+07	2.433E-09	-7.028E-13
191	1	0.00	1	3.298E+01	-3.357E+04	4.861E+02	-2.831E-02	2.834E+04	3.039E+07	0.000E+00	0.000E+00
191	2	127.25	1	3.576E+01	-3.640E+04	4.861E+02	-2.831E-02	-3.352E+04	2.593E+07	-6.537E-02	-4.905E-04
191	3	254.50	1	3.854E+01	-3.923E+04	4.861E+02	-2.831E-02	-9.538E+04	2.112E+07	-8.093E-02	-8.343E-04
191	4	381.75	1	4.132E+01	-4.206E+04	4.861E+02	-2.831E-02	-1.572E+05	1.595E+07	-5.586E-02	-7.610E-04
191	5	509.00	1	4.410E+01	-4.489E+04	4.861E+02	-2.831E-02	-2.191E+05	1.042E+07	-1.329E-08	-5.420E-12
192	1	0.00	1	3.298E+01	-3.357E+04	-4.861E+02	2.831E-02	-2.834E+04	3.039E+07	0.000E+00	0.000E+00
192	2	127.25	1	3.576E+01	-3.640E+04	-4.861E+02	2.831E-02	3.352E+04	2.593E+07	-6.537E-02	4.905E-04
192	3	254.50	1	3.854E+01	-3.923E+04	-4.861E+02	2.831E-02	9.538E+04	2.112E+07	-8.093E-02	8.343E-04
192	4	381.75	1	4.132E+01	-4.206E+04	-4.861E+02	2.831E-02	1.572E+05	1.595E+07	-5.586E-02	7.610E-04
192	5	509.00	1	4.410E+01	-4.489E+04	-4.861E+02	2.831E-02	2.191E+05	1.042E+07	-1.329E-08	5.421E-12
193	1	0.00	1	6.169E+01	-5.583E+04	-1.277E+03	-1.718E-01	-2.211E+05	1.042E+07	0.000E+00	0.000E+00
193	2	45.25	1	6.280E+01	-5.683E+04	-1.277E+03	-1.718E-01	-1.633E+05	7.867E+06	-2.303E-03	-1.035E-04
193	3	90.50	1	6.391E+01	-5.784E+04	-1.277E+03	-1.718E-01	-1.056E+05	5.272E+06	-2.653E-03	-1.168E-04
193	4	135.75	1	6.502E+01	-5.884E+04	-1.277E+03	-1.718E-01	-4.778E+04	2.633E+06	-1.673E-03	-7.159E-05
193	5	181.00	1	6.613E+01	-5.985E+04	-1.277E+03	-1.718E-01	9.999E+03	-5.293E+04	-8.975E-10	2.885E-11
194	1	0.00	1	6.169E+01	-5.583E+04	1.277E+03	1.718E-01	2.211E+05	1.042E+07	0.000E+00	0.000E+00
194	2	45.25	1	6.280E+01	-5.683E+04	1.277E+03	1.718E-01	1.633E+05	7.867E+06	-2.303E-03	1.035E-04
194	3	90.50	1	6.391E+01	-5.784E+04	1.277E+03	1.718E-01	1.056E+05	5.272E+06	-2.653E-03	1.168E-04
194	4	135.75	1	6.502E+01	-5.884E+04	1.277E+03	1.718E-01	4.778E+04	2.633E+06	-1.673E-03	7.159E-05
194	5	181.00	1	6.613E+01	-5.985E+04	1.277E+03	1.718E-01	-9.999E+03	-5.293E+04	-8.975E-10	-2.885E-11
195	1	0.00	1	-2.224E+00	1.534E+03	1.426E-10	-3.072E-12	5.723E-09	-5.293E+04	0.000E+00	0.000E+00
195	2	17.25	1	-1.668E+00	1.151E+03	1.426E-10	-3.072E-12	3.264E-09	-2.977E+04	-1.210E-05	1.255E-19
195	3	34.50	1	-1.112E+00	7.671E+02	1.426E-10	-3.072E-12	8.049E-10	-1.323E+04	-1.648E-05	5.757E-20
195	4	51.75	1	-5.559E-01	3.836E+02	1.426E-10	-3.072E-12	-1.654E-09	-3.308E+03	-1.256E-05	-3.911E-20
195	5	69.00	1	-8.456E-11	-7.622E-10	1.426E-10	-3.072E-12	-4.114E-09	4.436E-08	2.092E-13	2.949E-26
196	1	0.00	1	-2.224E+00	1.534E+03	8.829E-12	7.270E-12	-5.335E-09	-5.293E+04	0.000E+00	0.000E+00
196	2	17.25	1	-1.668E+00	1.151E+03	8.829E-12	7.270E-12	-5.487E-09	-2.977E+04	-1.210E-05	-6.303E-19
196	3	34.50	1	-1.112E+00	7.671E+02	8.829E-12	7.270E-12	-5.639E-09	-1.323E+04	-1.648E-05	-8.496E-19

196	4	51.75	1	-5.559E-01	3.836E+02	8.829E-12	7.270E-12	-5.792E-09	-3.308E+03	-1.256E-05	-6.441E-19
196	5	69.00	1	-1.065E-10	5.758E-10	8.829E-12	7.270E-12	-5.944E-09	-6.858E-08	2.092E-13	-3.449E-26
197	1	0.00	1	6.625E-12	-1.931E-10	-2.353E-12	1.970E-13	-1.527E-10	2.002E-08	0.000E+00	0.000E+00
197	2	17.25	1	5.559E-01	-3.836E+02	-2.353E-12	1.970E-13	-1.121E-10	-3.308E+03	-1.256E-05	0.000E+00
197	3	34.50	1	1.112E+00	-7.671E+02	-2.353E-12	1.970E-13	-7.151E-11	-1.323E+04	-1.648E-05	0.000E+00
197	4	51.75	1	1.668E+00	-1.151E+03	-2.353E-12	1.970E-13	-3.092E-11	-2.977E+04	-1.210E-05	0.000E+00
197	5	69.00	1	2.224E+00	-1.534E+03	-2.353E-12	1.970E-13	9.675E-12	-5.293E+04	-1.808E-14	0.000E+00
198	1	0.00	1	-1.515E-12	3.284E-10	2.147E-12	-2.105E-13	6.212E-11	4.307E-08	0.000E+00	0.000E+00
198	2	17.25	1	5.559E-01	-3.836E+02	2.147E-12	-2.105E-13	2.509E-11	-3.308E+03	-1.256E-05	0.000E+00
198	3	34.50	1	1.112E+00	-7.671E+02	2.147E-12	-2.105E-13	-1.194E-11	-1.323E+04	-1.648E-05	0.000E+00
198	4	51.75	1	1.668E+00	-1.151E+03	2.147E-12	-2.105E-13	-4.897E-11	-2.977E+04	-1.210E-05	0.000E+00
198	5	69.00	1	2.224E+00	-1.534E+03	2.147E-12	-2.105E-13	-8.599E-11	-5.293E+04	-1.808E-14	0.000E+00
199	1	0.00	1	-6.613E+01	5.985E+04	1.297E+03	1.718E-01	1.003E+04	-5.293E+04	0.000E+00	0.000E+00
199	2	45.25	1	-6.502E+01	5.884E+04	1.297E+03	1.718E-01	-4.863E+04	2.633E+06	-1.673E-03	-7.279E-05
199	3	90.50	1	-6.391E+01	5.784E+04	1.297E+03	1.718E-01	-1.073E+05	5.272E+06	-2.653E-03	-1.187E-04
199	4	135.75	1	-6.280E+01	5.683E+04	1.297E+03	1.718E-01	-1.660E+05	7.867E+06	-2.303E-03	-1.052E-04
199	5	181.00	1	-6.169E+01	5.583E+04	1.297E+03	1.718E-01	-2.246E+05	1.042E+07	-1.628E-10	-2.095E-12
200	1	0.00	1	-6.613E+01	5.985E+04	-1.297E+03	-1.718E-01	-1.003E+04	-5.293E+04	0.000E+00	0.000E+00
200	2	45.25	1	-6.502E+01	5.884E+04	-1.297E+03	-1.718E-01	4.863E+04	2.633E+06	-1.673E-03	7.279E-05
200	3	90.50	1	-6.391E+01	5.784E+04	-1.297E+03	-1.718E-01	1.073E+05	5.272E+06	-2.653E-03	1.187E-04
200	4	135.75	1	-6.280E+01	5.683E+04	-1.297E+03	-1.718E-01	1.660E+05	7.867E+06	-2.303E-03	1.052E-04
200	5	181.00	1	-6.169E+01	5.583E+04	-1.297E+03	-1.718E-01	2.246E+05	1.042E+07	-1.628E-10	2.095E-12
201	1	0.00	1	-4.410E+01	4.489E+04	-4.944E+02	2.830E-02	-2.227E+05	1.042E+07	0.000E+00	0.000E+00
201	2	127.25	1	-4.132E+01	4.206E+04	-4.944E+02	2.830E-02	-1.598E+05	1.595E+07	-5.586E-02	-7.734E-04
201	3	254.50	1	-3.854E+01	3.923E+04	-4.944E+02	2.830E-02	-9.691E+04	2.112E+07	-8.093E-02	-8.477E-04
201	4	381.75	1	-3.576E+01	3.640E+04	-4.944E+02	2.830E-02	-3.400E+04	2.593E+07	-6.537E-02	-4.982E-04
201	5	509.00	1	-3.298E+01	3.357E+04	-4.944E+02	2.830E-02	2.891E+04	3.039E+07	-1.285E-09	-9.651E-11
202	1	0.00	1	-4.410E+01	4.489E+04	4.944E+02	-2.830E-02	2.227E+05	1.042E+07	0.000E+00	0.000E+00
202	2	127.25	1	-4.132E+01	4.206E+04	4.944E+02	-2.830E-02	1.598E+05	1.595E+07	-5.586E-02	7.734E-04
202	3	254.50	1	-3.854E+01	3.923E+04	4.944E+02	-2.830E-02	9.691E+04	2.112E+07	-8.093E-02	8.477E-04
202	4	381.75	1	-3.576E+01	3.640E+04	4.944E+02	-2.830E-02	3.400E+04	2.593E+07	-6.537E-02	4.982E-04
202	5	509.00	1	-3.298E+01	3.357E+04	4.944E+02	-2.830E-02	-2.891E+04	3.039E+07	-1.285E-09	9.651E-11
203	1	0.00	1	-1.893E+01	1.931E+04	5.934E+01	1.412E-02	2.853E+04	3.039E+07	0.000E+00	0.000E+00
203	2	127.50	1	-1.615E+01	1.647E+04	5.934E+01	1.412E-02	2.096E+04	3.267E+07	-9.780E-02	1.049E-04
203	3	255.00	1	-1.337E+01	1.364E+04	5.934E+01	1.412E-02	1.340E+04	3.459E+07	-1.327E-01	1.177E-04
203	4	382.50	1	-1.059E+01	1.080E+04	5.934E+01	1.412E-02	5.831E+03	3.614E+07	-1.011E-01	7.163E-05
203	5	510.00	1	-7.811E+00	7.967E+03	5.934E+01	1.412E-02	-1.736E+03	3.734E+07	-1.517E-09	-3.549E-12
204	1	0.00	1	-1.893E+01	1.931E+04	-5.934E+01	-1.412E-02	-2.853E+04	3.039E+07	0.000E+00	0.000E+00
204	2	127.50	1	-1.615E+01	1.647E+04	-5.934E+01	-1.412E-02	-2.096E+04	3.267E+07	-9.780E-02	-1.049E-04
204	3	255.00	1	-1.337E+01	1.364E+04	-5.934E+01	-1.412E-02	-1.340E+04	3.459E+07	-1.327E-01	-1.177E-04
204	4	382.50	1	-1.059E+01	1.080E+04	-5.934E+01	-1.412E-02	-5.831E+03	3.614E+07	-1.011E-01	-7.163E-05
204	5	510.00	1	-7.811E+00	7.967E+03	-5.934E+01	-1.412E-02	1.736E+03	3.734E+07	-1.517E-09	3.549E-12
205	1	0.00	1	7.811E+00	-7.967E+03	-3.636E+00	-1.412E-02	-1.815E+03	3.734E+07	0.000E+00	0.000E+00
205	2	127.50	1	1.059E+01	-1.080E+04	-3.636E+00	-1.412E-02	-1.351E+03	3.614E+07	-1.011E-01	-6.865E-06
205	3	255.00	1	1.337E+01	-1.364E+04	-3.636E+00	-1.412E-02	-8.877E+02	3.459E+07	-1.327E-01	-7.796E-06
205	4	382.50	1	1.615E+01	-1.647E+04	-3.636E+00	-1.412E-02	-4.241E+02	3.267E+07	-9.780E-02	-4.829E-06
205	5	510.00	1	1.893E+01	-1.931E+04	-3.636E+00	-1.412E-02	3.950E+01	3.039E+07	2.324E-09	5.606E-13
206	1	0.00	1	7.811E+00	-7.967E+03	3.636E+00	1.412E-02	1.815E+03	3.734E+07	0.000E+00	0.000E+00
206	2	127.50	1	1.059E+01	-1.080E+04	3.636E+00	1.412E-02	1.351E+03	3.614E+07	-1.011E-01	6.865E-06
206	3	255.00	1	1.337E+01	-1.364E+04	3.636E+00	1.412E-02	8.877E+02	3.459E+07	-1.327E-01	7.796E-06
206	4	382.50	1	1.615E+01	-1.647E+04	3.636E+00	1.412E-02	4.241E+02	3.267E+07	-9.780E-02	4.829E-06
206	5	510.00	1	1.893E+01	-1.931E+04	3.636E+00	1.412E-02	-3.950E+01	3.039E+07	2.324E-09	-5.607E-13
207	1	0.00	1	3.298E+01	-3.357E+04	7.738E-01	-2.830E-02	-5.011E+01	3.039E+07	0.000E+00	0.000E+00
207	2	127.25	1	3.576E+01	-3.640E+04	7.738E-01	-2.830E-02	-1.486E+02	2.593E+07	-6.537E-02	-1.405E-06
207	3	254.50	1	3.854E+01	-3.923E+04	7.738E-01	-2.830E-02	-2.470E+02	2.112E+07	-8.093E-02	-2.161E-06
207	4	381.75	1	4.132E+01	-4.206E+04	7.738E-01	-2.830E-02	-3.455E+02	1.595E+07	-5.586E-02	-1.836E-06
207	5	509.00	1	4.410E+01	-4.489E+04	7.738E-01	-2.830E-02	-4.440E+02	1.042E+07	-1.374E-08	2.557E-13
208	1	0.00	1	3.298E+01	-3.357E+04	-7.738E-01	2.830E-02	5.011E+01	3.039E+07	0.000E+00	0.000E+00
208	2	127.25	1	3.576E+01	-3.640E+04	-7.738E-01	2.830E-02	1.486E+02	2.593E+07	-6.537E-02	1.405E-06
208	3	254.50	1	3.854E+01	-3.923E+04	-7.738E-01	2.830E-02	2.470E+02	2.112E+07	-8.093E-02	2.161E-06
208	4	381.75	1	4.132E+01	-4.206E+04	-7.738E-01	2.830E-02	3.455E+02	1.595E+07	-5.586E-02	1.836E-06
208	5	509.00	1	4.410E+01	-4.489E+04	-7.738E-01	2.830E-02	4.440E+02	1.042E+07	-1.374E-08	-2.558E-13

209	1	0.00	1	6.169E+01	-5.583E+04	-3.340E+00	-1.718E-01	-5.182E+02	1.042E+07	0.000E+00	0.000E+00
209	2	45.25	1	6.280E+01	-5.683E+04	-3.340E+00	-1.718E-01	-3.671E+02	7.867E+06	-2.303E-03	-2.210E-07
209	3	90.50	1	6.391E+01	-5.784E+04	-3.340E+00	-1.718E-01	-2.160E+02	5.272E+06	-2.653E-03	-2.389E-07
209	4	135.75	1	6.502E+01	-5.884E+04	-3.340E+00	-1.718E-01	-6.485E+01	2.633E+06	-1.673E-03	-1.374E-07
209	5	181.00	1	6.613E+01	-5.985E+04	-3.340E+00	-1.718E-01	8.627E+01	-5.293E+04	-4.527E-10	-1.788E-14
210	1	0.00	1	6.169E+01	-5.583E+04	3.340E+00	1.718E-01	5.182E+02	1.042E+07	0.000E+00	0.000E+00
210	2	45.25	1	6.280E+01	-5.683E+04	3.340E+00	1.718E-01	3.671E+02	7.867E+06	-2.303E-03	2.210E-07
210	3	90.50	1	6.391E+01	-5.784E+04	3.340E+00	1.718E-01	2.160E+02	5.272E+06	-2.653E-03	2.389E-07
210	4	135.75	1	6.502E+01	-5.884E+04	3.340E+00	1.718E-01	6.485E+01	2.633E+06	-1.673E-03	1.374E-07
210	5	181.00	1	6.613E+01	-5.985E+04	3.340E+00	1.718E-01	-8.627E+01	-5.293E+04	-4.527E-10	1.788E-14
211	1	0.00	1	-5.070E-12	1.534E+03	-1.054E-12	-6.591E-16	5.895E-11	-5.293E+04	0.000E+00	0.000E+00
211	2	17.25	1	-5.070E-12	1.151E+03	-1.054E-12	-6.591E-16	7.713E-11	-2.977E+04	-1.210E-05	0.000E+00
211	3	34.50	1	-5.070E-12	7.671E+02	-1.054E-12	-6.591E-16	9.531E-11	-1.323E+04	-1.648E-05	0.000E+00
211	4	51.75	1	-5.070E-12	3.836E+02	-1.054E-12	-6.591E-16	1.135E-10	-3.308E+03	-1.256E-05	0.000E+00
211	5	69.00	1	-5.070E-12	2.384E-10	-1.054E-12	-6.591E-16	1.317E-10	-3.890E-08	4.930E-13	0.000E+00
212	1	0.00	1	-3.240E-12	1.534E+03	5.230E-12	1.004E-15	-3.939E-11	-5.293E+04	0.000E+00	0.000E+00
212	2	17.25	1	-3.240E-12	1.151E+03	5.230E-12	1.004E-15	-1.296E-10	-2.977E+04	-1.210E-05	0.000E+00
212	3	34.50	1	-3.240E-12	7.671E+02	5.230E-12	1.004E-15	-2.198E-10	-1.323E+04	-1.648E-05	0.000E+00
212	4	51.75	1	-3.240E-12	3.836E+02	5.230E-12	1.004E-15	-3.100E-10	-3.308E+03	-1.256E-05	0.000E+00
212	5	69.00	1	-3.240E-12	1.622E-10	5.230E-12	1.004E-15	-4.002E-10	1.244E-07	4.930E-13	0.000E+00
213	1	0.00	1	-5.093E-12	-4.919E-11	-8.802E-14	0.000E+00	-8.511E-12	8.668E-08	0.000E+00	0.000E+00
213	2	17.25	1	-5.093E-12	-3.836E+02	-8.802E-14	0.000E+00	-6.993E-12	-3.308E+03	-1.256E-05	0.000E+00
213	3	34.50	1	-5.093E-12	-7.671E+02	-8.802E-14	0.000E+00	-5.474E-12	-1.323E+04	-1.648E-05	0.000E+00
213	4	51.75	1	-5.093E-12	-1.151E+03	-8.802E-14	0.000E+00	-3.956E-12	-2.977E+04	-1.210E-05	0.000E+00
213	5	69.00	1	-5.093E-12	-1.534E+03	-8.802E-14	0.000E+00	-2.438E-12	-5.293E+04	9.754E-15	0.000E+00
214	1	0.00	1	-5.605E-12	-1.474E-10	9.100E-14	0.000E+00	-2.575E-12	1.478E-07	0.000E+00	0.000E+00
214	2	17.25	1	-5.605E-12	-3.836E+02	9.100E-14	0.000E+00	-4.145E-12	-3.308E+03	-1.256E-05	0.000E+00
214	3	34.50	1	-5.605E-12	-7.671E+02	9.100E-14	0.000E+00	-5.715E-12	-1.323E+04	-1.648E-05	0.000E+00
214	4	51.75	1	-5.605E-12	-1.151E+03	9.100E-14	0.000E+00	-7.285E-12	-2.977E+04	-1.210E-05	0.000E+00
214	5	69.00	1	-5.605E-12	-1.534E+03	9.100E-14	0.000E+00	-8.854E-12	-5.293E+04	9.744E-15	0.000E+00
215	1	0.00	1	-6.713E+01	6.075E+04	-3.663E+00	1.718E-01	-8.539E+01	-5.293E+04	0.000E+00	0.000E+00
215	2	45.25	1	-6.602E+01	5.974E+04	-3.663E+00	1.718E-01	8.035E+01	2.673E+06	-1.698E-03	1.583E-07
215	3	90.50	1	-6.490E+01	5.874E+04	-3.663E+00	1.718E-01	2.461E+02	5.354E+06	-2.692E-03	2.722E-07
215	4	135.75	1	-6.379E+01	5.773E+04	-3.663E+00	1.718E-01	4.118E+02	7.989E+06	-2.338E-03	2.500E-07
215	5	181.00	1	-6.268E+01	5.673E+04	-3.663E+00	1.718E-01	5.776E+02	1.058E+07	-5.349E-11	-1.178E-14
216	1	0.00	1	-6.713E+01	6.075E+04	3.663E+00	-1.718E-01	8.539E+01	-5.293E+04	0.000E+00	0.000E+00
216	2	45.25	1	-6.602E+01	5.974E+04	3.663E+00	-1.718E-01	-8.035E+01	2.673E+06	-1.698E-03	-1.583E-07
216	3	90.50	1	-6.490E+01	5.874E+04	3.663E+00	-1.718E-01	-2.461E+02	5.354E+06	-2.692E-03	-2.722E-07
216	4	135.75	1	-6.379E+01	5.773E+04	3.663E+00	-1.718E-01	-4.118E+02	7.989E+06	-2.338E-03	-2.500E-07
216	5	181.00	1	-6.268E+01	5.673E+04	3.663E+00	-1.718E-01	-5.776E+02	1.058E+07	-5.349E-11	1.178E-14
217	1	0.00	1	-4.498E+01	4.579E+04	1.132E+00	2.830E-02	5.039E+02	1.058E+07	0.000E+00	0.000E+00
217	2	127.25	1	-4.220E+01	4.296E+04	1.132E+00	2.830E-02	3.599E+02	1.623E+07	-5.687E-02	1.731E-06
217	3	254.50	1	-3.942E+01	4.013E+04	1.132E+00	2.830E-02	2.159E+02	2.151E+07	-8.243E-02	1.888E-06
217	4	381.75	1	-3.664E+01	3.730E+04	1.132E+00	2.830E-02	7.187E+01	2.644E+07	-6.660E-02	1.101E-06
217	5	509.00	1	-3.386E+01	3.447E+04	1.132E+00	2.830E-02	-7.212E+01	3.101E+07	-7.787E-10	-4.129E-13
218	1	0.00	1	-4.498E+01	4.579E+04	-1.132E+00	-2.830E-02	-5.039E+02	1.058E+07	0.000E+00	0.000E+00
218	2	127.25	1	-4.220E+01	4.296E+04	-1.132E+00	-2.830E-02	-3.599E+02	1.623E+07	-5.687E-02	-1.731E-06
218	3	254.50	1	-3.942E+01	4.013E+04	-1.132E+00	-2.830E-02	-2.159E+02	2.151E+07	-8.243E-02	-1.888E-06
218	4	381.75	1	-3.664E+01	3.730E+04	-1.132E+00	-2.830E-02	-7.187E+01	2.644E+07	-6.660E-02	-1.101E-06
218	5	509.00	1	-3.386E+01	3.447E+04	-1.132E+00	-2.830E-02	7.212E+01	3.101E+07	-7.787E-10	4.129E-13
219	1	0.00	1	-1.981E+01	2.021E+04	3.018E+00	1.412E-02	-1.620E+02	3.101E+07	0.000E+00	0.000E+00
219	2	127.50	1	-1.703E+01	1.737E+04	3.018E+00	1.412E-02	-5.467E+02	3.340E+07	-1.001E-01	-5.290E-06
219	3	255.00	1	-1.337E+01	1.364E+04	3.018E+00	1.412E-02	-9.315E+02	3.544E+07	-1.360E-01	-8.180E-06
219	4	382.50	1	-1.059E+01	1.080E+04	3.018E+00	1.412E-02	-1.316E+03	3.699E+07	-1.036E-01	-6.980E-06
219	5	510.00	1	-7.811E+00	7.967E+03	3.018E+00	1.412E-02	-1.701E+03	3.819E+07	-2.509E-09	-3.642E-13
220	1	0.00	1	-1.981E+01	2.021E+04	-3.018E+00	-1.412E-02	1.620E+02	3.101E+07	0.000E+00	0.000E+00
220	2	127.50	1	-1.703E+01	1.737E+04	-3.018E+00	-1.412E-02	5.467E+02	3.340E+07	-1.001E-01	5.290E-06
220	3	255.00	1	-1.337E+01	1.364E+04	-3.018E+00	-1.412E-02	9.315E+02	3.544E+07	-1.360E-01	8.180E-06
220	4	382.50	1	-1.059E+01	1.080E+04	-3.018E+00	-1.412E-02	1.316E+03	3.699E+07	-1.036E-01	6.980E-06
220	5	510.00	1	-7.811E+00	7.967E+03	-3.018E+00	-1.412E-02	1.701E+03	3.819E+07	-2.509E-09	3.643E-13
221	1	0.00	1	7.811E+00	-7.967E+03	-5.949E+01	-1.412E-02	-1.823E+03	3.819E+07	0.000E+00	0.000E+00
221	2	127.50	1	1.059E+01	-1.080E+04	-5.949E+01	-1.412E-02	5.762E+03	3.699E+07	-1.036E-01	7.126E-05

221	3	255.00	1	1.425E+01	-1.454E+04	-5.949E+01	-1.412E-02	1.335E+04	3.544E+07	-1.360E-01	1.172E-04
221	4	382.50	1	1.703E+01	-1.737E+04	-5.949E+01	-1.412E-02	2.093E+04	3.340E+07	-1.001E-01	1.046E-04
221	5	510.00	1	1.981E+01	-2.021E+04	-5.949E+01	-1.412E-02	2.852E+04	3.101E+07	3.445E-09	1.027E-12
222	1	0.00	1	7.811E+00	-7.967E+03	5.949E+01	1.412E-02	1.823E+03	3.819E+07	0.000E+00	0.000E+00
222	2	127.50	1	1.059E+01	-1.080E+04	5.949E+01	1.412E-02	-5.762E+03	3.699E+07	-1.036E-01	-7.126E-05
222	3	255.00	1	1.425E+01	-1.454E+04	5.949E+01	1.412E-02	-1.335E+04	3.544E+07	-1.360E-01	-1.172E-04
222	4	382.50	1	1.703E+01	-1.737E+04	5.949E+01	1.412E-02	-2.093E+04	3.340E+07	-1.001E-01	-1.046E-04
222	5	510.00	1	1.981E+01	-2.021E+04	5.949E+01	1.412E-02	-2.852E+04	3.101E+07	3.445E-09	-1.027E-12
223	1	0.00	1	3.386E+01	-3.447E+04	4.926E+02	-2.831E-02	2.872E+04	3.101E+07	0.000E+00	0.000E+00
223	2	127.25	1	3.664E+01	-3.730E+04	4.926E+02	-2.831E-02	-3.396E+04	2.644E+07	-6.660E-02	-4.970E-04
223	3	254.50	1	3.942E+01	-4.013E+04	4.926E+02	-2.831E-02	-9.665E+04	2.151E+07	-8.243E-02	-8.454E-04
223	4	381.75	1	4.220E+01	-4.296E+04	4.926E+02	-2.831E-02	-1.593E+05	1.623E+07	-5.687E-02	-7.712E-04
223	5	509.00	1	4.498E+01	-4.579E+04	4.926E+02	-2.831E-02	-2.220E+05	1.058E+07	-1.328E-08	-3.946E-12
224	1	0.00	1	3.386E+01	-3.447E+04	-4.926E+02	2.831E-02	-2.872E+04	3.101E+07	0.000E+00	0.000E+00
224	2	127.25	1	3.664E+01	-3.730E+04	-4.926E+02	2.831E-02	3.396E+04	2.644E+07	-6.660E-02	4.970E-04
224	3	254.50	1	3.942E+01	-4.013E+04	-4.926E+02	2.831E-02	9.665E+04	2.151E+07	-8.243E-02	8.454E-04
224	4	381.75	1	4.220E+01	-4.296E+04	-4.926E+02	2.831E-02	1.593E+05	1.623E+07	-5.687E-02	7.712E-04
224	5	509.00	1	4.498E+01	-4.579E+04	-4.926E+02	2.831E-02	2.220E+05	1.058E+07	-1.328E-08	3.946E-12
225	1	0.00	1	6.268E+01	-5.673E+04	-1.294E+03	-1.718E-01	-2.241E+05	1.058E+07	0.000E+00	0.000E+00
225	2	45.25	1	6.379E+01	-5.773E+04	-1.294E+03	-1.718E-01	-1.655E+05	7.989E+06	-2.338E-03	-1.049E-04
225	3	90.50	1	6.490E+01	-5.874E+04	-1.294E+03	-1.718E-01	-1.070E+05	5.354E+06	-2.692E-03	-1.183E-04
225	4	135.75	1	6.602E+01	-5.974E+04	-1.294E+03	-1.718E-01	-4.842E+04	2.673E+06	-1.698E-03	-7.255E-05
225	5	181.00	1	6.713E+01	-6.075E+04	-1.294E+03	-1.718E-01	1.013E+04	-5.293E+04	-8.947E-10	2.834E-11
226	1	0.00	1	6.268E+01	-5.673E+04	1.294E+03	1.718E-01	2.241E+05	1.058E+07	0.000E+00	0.000E+00
226	2	45.25	1	6.379E+01	-5.773E+04	1.294E+03	1.718E-01	1.655E+05	7.989E+06	-2.338E-03	1.049E-04
226	3	90.50	1	6.490E+01	-5.874E+04	1.294E+03	1.718E-01	1.070E+05	5.354E+06	-2.692E-03	1.183E-04
226	4	135.75	1	6.602E+01	-5.974E+04	1.294E+03	1.718E-01	4.842E+04	2.673E+06	-1.698E-03	7.255E-05
226	5	181.00	1	6.713E+01	-6.075E+04	1.294E+03	1.718E-01	-1.013E+04	-5.293E+04	-8.947E-10	-2.834E-11
227	1	0.00	1	-2.224E+00	1.534E+03	2.072E-10	-1.662E-12	1.071E-08	-5.293E+04	0.000E+00	0.000E+00
227	2	17.25	1	-1.668E+00	1.151E+03	2.072E-10	-1.662E-12	7.141E-09	-2.977E+04	-1.210E-05	5.314E-19
227	3	34.50	1	-1.112E+00	7.671E+02	2.072E-10	-1.662E-12	3.567E-09	-1.323E+04	-1.648E-05	5.133E-19
227	4	51.75	1	-5.559E-01	3.836E+02	2.072E-10	-1.662E-12	-6.640E-12	-3.308E+03	-1.256E-05	2.385E-19
227	5	69.00	1	-5.809E-11	3.704E-10	2.072E-10	-1.662E-12	-3.580E-09	-1.130E-07	2.092E-13	2.590E-26
228	1	0.00	1	-2.224E+00	1.534E+03	4.825E-11	1.647E-12	-7.789E-10	-5.293E+04	0.000E+00	0.000E+00
228	2	17.25	1	-1.668E+00	1.151E+03	4.825E-11	1.647E-12	-1.611E-09	-2.977E+04	-1.210E-05	-2.246E-19
228	3	34.50	1	-1.112E+00	7.671E+02	4.825E-11	1.647E-12	-2.444E-09	-1.323E+04	-1.648E-05	-3.004E-19
228	4	51.75	1	-5.559E-01	3.836E+02	4.825E-11	1.647E-12	-3.276E-09	-3.308E+03	-1.256E-05	-2.260E-19
228	5	69.00	1	9.253E-11	-4.205E-10	4.825E-11	1.647E-12	-4.108E-09	3.306E-08	2.092E-13	-1.570E-26
229	1	0.00	1	-5.261E-13	4.430E-11	-2.046E-12	2.084E-13	5.311E-11	1.115E-07	0.000E+00	0.000E+00
229	2	17.25	1	5.559E-01	-3.836E+02	-2.046E-12	2.084E-13	8.841E-11	-3.308E+03	-1.256E-05	0.000E+00
229	3	34.50	1	1.112E+00	-7.671E+02	-2.046E-12	2.084E-13	1.237E-10	-1.323E+04	-1.648E-05	0.000E+00
229	4	51.75	1	1.668E+00	-1.151E+03	-2.046E-12	2.084E-13	1.590E-10	-2.977E+04	-1.210E-05	0.000E+00
229	5	69.00	1	2.224E+00	-1.534E+03	-2.046E-12	2.084E-13	1.943E-10	-5.293E+04	-1.808E-14	0.000E+00
230	1	0.00	1	-2.518E-12	2.120E-10	-4.626E-12	-2.090E-13	-2.419E-11	5.546E-08	0.000E+00	0.000E+00
230	2	17.25	1	5.559E-01	-3.836E+02	-4.626E-12	-2.090E-13	5.560E-11	-3.308E+03	-1.256E-05	0.000E+00
230	3	34.50	1	1.112E+00	-7.671E+02	-4.626E-12	-2.090E-13	1.354E-10	-1.323E+04	-1.648E-05	0.000E+00
230	4	51.75	1	1.668E+00	-1.151E+03	-4.626E-12	-2.090E-13	2.152E-10	-2.977E+04	-1.210E-05	0.000E+00
230	5	69.00	1	2.224E+00	-1.534E+03	-4.626E-12	-2.090E-13	2.950E-10	-5.293E+04	-1.809E-14	0.000E+00
231	1	0.00	1	-6.713E+01	6.075E+04	1.314E+03	1.718E-01	1.017E+04	-5.293E+04	0.000E+00	0.000E+00
231	2	45.25	1	-6.602E+01	5.974E+04	1.314E+03	1.718E-01	-4.928E+04	2.673E+06	-1.698E-03	-7.377E-05
231	3	90.50	1	-6.490E+01	5.874E+04	1.314E+03	1.718E-01	-1.087E+05	5.354E+06	-2.692E-03	-1.203E-04
231	4	135.75	1	-6.379E+01	5.773E+04	1.314E+03	1.718E-01	-1.682E+05	7.989E+06	-2.338E-03	-1.067E-04
231	5	181.00	1	-6.268E+01	5.673E+04	1.314E+03	1.718E-01	-2.276E+05	1.058E+07	-1.546E-10	-2.255E-12
232	1	0.00	1	-6.713E+01	6.075E+04	-1.314E+03	-1.718E-01	-1.017E+04	-5.293E+04	0.000E+00	0.000E+00
232	2	45.25	1	-6.602E+01	5.974E+04	-1.314E+03	-1.718E-01	4.928E+04	2.673E+06	-1.698E-03	7.377E-05
232	3	90.50	1	-6.490E+01	5.874E+04	-1.314E+03	-1.718E-01	1.087E+05	5.354E+06	-2.692E-03	1.203E-04
232	4	135.75	1	-6.379E+01	5.773E+04	-1.314E+03	-1.718E-01	1.682E+05	7.989E+06	-2.338E-03	1.067E-04
232	5	181.00	1	-6.268E+01	5.673E+04	-1.314E+03	-1.718E-01	2.276E+05	1.058E+07	-1.546E-10	2.255E-12
233	1	0.00	1	-4.498E+01	4.579E+04	-5.010E+02	2.830E-02	-2.257E+05	1.058E+07	0.000E+00	0.000E+00
233	2	127.25	1	-4.220E+01	4.296E+04	-5.010E+02	2.830E-02	-1.620E+05	1.623E+07	-5.687E-02	-7.837E-04
233	3	254.50	1	-3.942E+01	4.013E+04	-5.010E+02	2.830E-02	-9.820E+04	2.151E+07	-8.243E-02	-8.590E-04
233	4	381.75	1	-3.664E+01	3.730E+04	-5.010E+02	2.830E-02	-3.445E+04	2.644E+07	-6.660E-02	-5.049E-04

233	5	509.00	1	-3.386E+01	3.447E+04	-5.010E+02	2.830E-02	2.930E+04	3.101E+07	-1.436E-09	-9.553E-11
234	1	0.00	1	-4.498E+01	4.579E+04	5.010E+02	-2.830E-02	2.257E+05	1.058E+07	0.000E+00	0.000E+00
234	2	127.25	1	-4.220E+01	4.296E+04	5.010E+02	-2.830E-02	1.620E+05	1.623E+07	-5.687E-02	7.837E-04
234	3	254.50	1	-3.942E+01	4.013E+04	5.010E+02	-2.830E-02	9.820E+04	2.151E+07	-8.243E-02	8.590E-04
234	4	381.75	1	-3.664E+01	3.730E+04	5.010E+02	-2.830E-02	3.445E+04	2.644E+07	-6.660E-02	5.049E-04
234	5	509.00	1	-3.386E+01	3.447E+04	5.010E+02	-2.830E-02	-2.930E+04	3.101E+07	-1.436E-09	9.553E-11
235	1	0.00	1	-1.981E+01	2.021E+04	6.014E+01	1.412E-02	2.891E+04	3.101E+07	0.000E+00	0.000E+00
235	2	127.50	1	-1.703E+01	1.737E+04	6.014E+01	1.412E-02	2.124E+04	3.340E+07	-1.001E-01	1.063E-04
235	3	255.00	1	-1.337E+01	1.364E+04	6.014E+01	1.412E-02	1.358E+04	3.544E+07	-1.360E-01	1.192E-04
235	4	382.50	1	-1.059E+01	1.080E+04	6.014E+01	1.412E-02	5.908E+03	3.699E+07	-1.036E-01	7.259E-05
235	5	510.00	1	-7.811E+00	7.967E+03	6.014E+01	1.412E-02	-1.760E+03	3.819E+07	-2.280E-09	-3.592E-12
236	1	0.00	1	-1.981E+01	2.021E+04	-6.014E+01	-1.412E-02	-2.891E+04	3.101E+07	0.000E+00	0.000E+00
236	2	127.50	1	-1.703E+01	1.737E+04	-6.014E+01	-1.412E-02	-2.124E+04	3.340E+07	-1.001E-01	-1.063E-04
236	3	255.00	1	-1.337E+01	1.364E+04	-6.014E+01	-1.412E-02	-1.358E+04	3.544E+07	-1.360E-01	-1.192E-04
236	4	382.50	1	-1.059E+01	1.080E+04	-6.014E+01	-1.412E-02	-5.908E+03	3.699E+07	-1.036E-01	-7.259E-05
236	5	510.00	1	-7.811E+00	7.967E+03	-6.014E+01	-1.412E-02	1.760E+03	3.819E+07	-2.280E-09	3.591E-12
237	1	0.00	1	7.811E+00	-7.967E+03	-3.681E+00	-1.412E-02	-1.839E+03	3.819E+07	0.000E+00	0.000E+00
237	2	127.50	1	1.059E+01	-1.080E+04	-3.681E+00	-1.412E-02	-1.369E+03	3.699E+07	-1.036E-01	-6.958E-06
237	3	255.00	1	1.425E+01	-1.454E+04	-3.681E+00	-1.412E-02	-8.999E+02	3.544E+07	-1.360E-01	-7.903E-06
237	4	382.50	1	1.703E+01	-1.737E+04	-3.681E+00	-1.412E-02	-4.306E+02	3.340E+07	-1.001E-01	-4.897E-06
237	5	510.00	1	1.981E+01	-2.021E+04	-3.681E+00	-1.412E-02	3.868E+01	3.101E+07	3.335E-09	5.348E-13
238	1	0.00	1	7.811E+00	-7.967E+03	3.681E+00	1.412E-02	1.839E+03	3.819E+07	0.000E+00	0.000E+00
238	2	127.50	1	1.059E+01	-1.080E+04	3.681E+00	1.412E-02	1.369E+03	3.699E+07	-1.036E-01	6.958E-06
238	3	255.00	1	1.425E+01	-1.454E+04	3.681E+00	1.412E-02	8.999E+02	3.544E+07	-1.360E-01	7.903E-06
238	4	382.50	1	1.703E+01	-1.737E+04	3.681E+00	1.412E-02	4.306E+02	3.340E+07	-1.001E-01	4.897E-06
238	5	510.00	1	1.981E+01	-2.021E+04	3.681E+00	1.412E-02	-3.868E+01	3.101E+07	3.335E-09	-5.364E-13
239	1	0.00	1	3.386E+01	-3.447E+04	7.714E-01	-2.830E-02	-5.093E+01	3.101E+07	0.000E+00	0.000E+00
239	2	127.25	1	3.664E+01	-3.730E+04	7.714E-01	-2.830E-02	-1.491E+02	2.644E+07	-6.660E-02	-1.407E-06
239	3	254.50	1	3.942E+01	-4.013E+04	7.714E-01	-2.830E-02	-2.473E+02	2.151E+07	-8.243E-02	-2.163E-06
239	4	381.75	1	4.220E+01	-4.296E+04	7.714E-01	-2.830E-02	-3.454E+02	1.623E+07	-5.687E-02	-1.837E-06
239	5	509.00	1	4.498E+01	-4.579E+04	7.714E-01	-2.830E-02	-4.436E+02	1.058E+07	-1.372E-08	2.550E-13
240	1	0.00	1	3.386E+01	-3.447E+04	-7.714E-01	2.830E-02	5.093E+01	3.101E+07	0.000E+00	0.000E+00
240	2	127.25	1	3.664E+01	-3.730E+04	-7.714E-01	2.830E-02	1.491E+02	2.644E+07	-6.660E-02	1.407E-06
240	3	254.50	1	3.942E+01	-4.013E+04	-7.714E-01	2.830E-02	2.473E+02	2.151E+07	-8.243E-02	2.163E-06
240	4	381.75	1	4.220E+01	-4.296E+04	-7.714E-01	2.830E-02	3.454E+02	1.623E+07	-5.687E-02	1.837E-06
240	5	509.00	1	4.498E+01	-4.579E+04	-7.714E-01	2.830E-02	4.436E+02	1.058E+07	-1.372E-08	-2.569E-13
241	1	0.00	1	6.268E+01	-5.673E+04	-3.337E+00	-1.718E-01	-5.178E+02	1.058E+07	0.000E+00	0.000E+00
241	2	45.25	1	6.379E+01	-5.773E+04	-3.337E+00	-1.718E-01	-3.668E+02	7.989E+06	-2.338E-03	-2.208E-07
241	3	90.50	1	6.490E+01	-5.874E+04	-3.337E+00	-1.718E-01	-2.158E+02	5.354E+06	-2.692E-03	-2.387E-07
241	4	135.75	1	6.602E+01	-5.974E+04	-3.337E+00	-1.718E-01	-6.474E+01	2.673E+06	-1.698E-03	-1.372E-07
241	5	181.00	1	6.713E+01	-6.075E+04	-3.337E+00	-1.718E-01	8.628E+01	-5.293E+04	-4.499E-10	-1.777E-14
242	1	0.00	1	6.268E+01	-5.673E+04	3.337E+00	1.718E-01	5.178E+02	1.058E+07	0.000E+00	0.000E+00
242	2	45.25	1	6.379E+01	-5.773E+04	3.337E+00	1.718E-01	3.668E+02	7.989E+06	-2.338E-03	2.208E-07
242	3	90.50	1	6.490E+01	-5.874E+04	3.337E+00	1.718E-01	2.158E+02	5.354E+06	-2.692E-03	2.387E-07
242	4	135.75	1	6.602E+01	-5.974E+04	3.337E+00	1.718E-01	6.474E+01	2.673E+06	-1.698E-03	1.372E-07
242	5	181.00	1	6.713E+01	-6.075E+04	3.337E+00	1.718E-01	-8.628E+01	-5.293E+04	-4.499E-10	1.748E-14
243	1	0.00	1	1.705E-13	1.534E+03	2.600E-13	1.144E-15	2.239E-11	-5.293E+04	0.000E+00	0.000E+00
243	2	17.25	1	1.705E-13	1.151E+03	2.600E-13	1.144E-15	1.791E-11	-2.977E+04	-1.210E-05	0.000E+00
243	3	34.50	1	1.705E-13	7.671E+02	2.600E-13	1.144E-15	1.342E-11	-1.323E+04	-1.648E-05	0.000E+00
243	4	51.75	1	1.705E-13	3.836E+02	2.600E-13	1.144E-15	8.938E-12	-3.308E+03	-1.256E-05	0.000E+00
243	5	69.00	1	1.705E-13	-2.924E-10	2.600E-13	1.144E-15	4.453E-12	5.677E-08	4.930E-13	0.000E+00
244	1	0.00	1	-7.458E-12	1.534E+03	1.149E-14	-2.981E-15	-1.221E-07	-5.293E+04	0.000E+00	0.000E+00
244	2	17.25	1	-7.458E-12	1.151E+03	1.149E-14	-2.981E-15	-1.221E-07	-2.977E+04	-1.210E-05	-1.473E-17
244	3	34.50	1	-7.458E-12	7.671E+02	1.149E-14	-2.981E-15	-1.221E-07	-1.323E+04	-1.648E-05	-1.963E-17
244	4	51.75	1	-7.458E-12	3.836E+02	1.149E-14	-2.981E-15	-1.221E-07	-3.308E+03	-1.256E-05	-1.473E-17
244	5	69.00	1	-7.458E-12	-4.594E-10	1.149E-14	-2.981E-15	-1.221E-07	-1.272E-07	4.930E-13	-1.617E-24
245	1	0.00	1	-5.434E-12	-1.638E-10	-1.043E-13	0.000E+00	-2.476E-11	1.017E-07	0.000E+00	0.000E+00
245	2	17.25	1	-5.434E-12	-3.836E+02	-1.043E-13	0.000E+00	-2.296E-11	-3.308E+03	-1.256E-05	0.000E+00
245	3	34.50	1	-5.434E-12	-7.671E+02	-1.043E-13	0.000E+00	-2.116E-11	-1.323E+04	-1.648E-05	0.000E+00
245	4	51.75	1	-5.434E-12	-1.151E+03	-1.043E-13	0.000E+00	-1.936E-11	-2.977E+04	-1.210E-05	0.000E+00
245	5	69.00	1	-5.434E-12	-1.534E+03	-1.043E-13	0.000E+00	-1.756E-11	-5.293E+04	9.744E-15	0.000E+00
246	1	0.00	1	-5.434E-12	9.378E-12	2.611E-13	0.000E+00	-1.698E-11	8.808E-08	0.000E+00	0.000E+00

246	2	17.25	1	-5.434E-12	-3.836E+02	2.611E-13	0.000E+00	-2.148E-11	-3.308E+03	-1.256E-05	0.000E+00
246	3	34.50	1	-5.434E-12	-7.671E+02	2.611E-13	0.000E+00	-2.599E-11	-1.323E+04	-1.648E-05	0.000E+00
246	4	51.75	1	-5.434E-12	-1.151E+03	2.611E-13	0.000E+00	-3.049E-11	-2.977E+04	-1.210E-05	0.000E+00
246	5	69.00	1	-5.434E-12	-1.534E+03	2.611E-13	0.000E+00	-3.499E-11	-5.293E+04	9.754E-15	0.000E+00
247	1	0.00	1	-6.613E+01	5.985E+04	-3.661E+00	1.718E-01	-8.539E+01	-5.293E+04	0.000E+00	0.000E+00
247	2	45.25	1	-6.502E+01	5.884E+04	-3.661E+00	1.718E-01	8.025E+01	2.633E+06	-1.673E-03	1.582E-07
247	3	90.50	1	-6.391E+01	5.784E+04	-3.661E+00	1.718E-01	2.459E+02	5.272E+06	-2.653E-03	2.720E-07
247	4	135.75	1	-6.280E+01	5.683E+04	-3.661E+00	1.718E-01	4.115E+02	7.867E+06	-2.303E-03	2.498E-07
247	5	181.00	1	-6.169E+01	5.583E+04	-3.661E+00	1.718E-01	5.772E+02	1.042E+07	-5.452E-11	-1.179E-14
248	1	0.00	1	-6.613E+01	5.985E+04	3.661E+00	-1.718E-01	8.539E+01	-5.293E+04	0.000E+00	0.000E+00
248	2	45.25	1	-6.502E+01	5.884E+04	3.661E+00	-1.718E-01	-8.025E+01	2.633E+06	-1.673E-03	-1.582E-07
248	3	90.50	1	-6.391E+01	5.784E+04	3.661E+00	-1.718E-01	-2.459E+02	5.272E+06	-2.653E-03	-2.720E-07
248	4	135.75	1	-6.280E+01	5.683E+04	3.661E+00	-1.718E-01	-4.115E+02	7.867E+06	-2.303E-03	-2.498E-07
248	5	181.00	1	-6.169E+01	5.583E+04	3.661E+00	-1.718E-01	-5.772E+02	1.042E+07	-5.452E-11	1.178E-14
249	1	0.00	1	-4.410E+01	4.489E+04	1.129E+00	2.830E-02	5.035E+02	1.042E+07	0.000E+00	0.000E+00
249	2	127.25	1	-4.132E+01	4.206E+04	1.129E+00	2.830E-02	3.598E+02	1.595E+07	-5.586E-02	1.732E-06
249	3	254.50	1	-3.854E+01	3.923E+04	1.129E+00	2.830E-02	2.161E+02	2.112E+07	-8.093E-02	1.890E-06
249	4	381.75	1	-3.576E+01	3.640E+04	1.129E+00	2.830E-02	7.237E+01	2.593E+07	-6.537E-02	1.103E-06
249	5	509.00	1	-3.298E+01	3.357E+04	1.129E+00	2.830E-02	-7.132E+01	3.039E+07	-6.471E-10	-4.129E-13
250	1	0.00	1	-4.410E+01	4.489E+04	-1.129E+00	-2.830E-02	-5.035E+02	1.042E+07	0.000E+00	0.000E+00
250	2	127.25	1	-4.132E+01	4.206E+04	-1.129E+00	-2.830E-02	-3.598E+02	1.595E+07	-5.586E-02	-1.732E-06
250	3	254.50	1	-3.854E+01	3.923E+04	-1.129E+00	-2.830E-02	-2.161E+02	2.112E+07	-8.093E-02	-1.890E-06
250	4	381.75	1	-3.576E+01	3.640E+04	-1.129E+00	-2.830E-02	-7.237E+01	2.593E+07	-6.537E-02	-1.103E-06
250	5	509.00	1	-3.298E+01	3.357E+04	-1.129E+00	-2.830E-02	7.132E+01	3.039E+07	-6.471E-10	4.128E-13
251	1	0.00	1	-1.893E+01	1.931E+04	2.974E+00	1.412E-02	-1.612E+02	3.039E+07	0.000E+00	0.000E+00
251	2	127.50	1	-1.615E+01	1.647E+04	2.974E+00	1.412E-02	-5.403E+02	3.267E+07	-9.780E-02	-5.224E-06
251	3	255.00	1	-1.337E+01	1.364E+04	2.974E+00	1.412E-02	-9.195E+02	3.459E+07	-1.327E-01	-8.075E-06
251	4	382.50	1	-1.059E+01	1.080E+04	2.974E+00	1.412E-02	-1.299E+03	3.614E+07	-1.011E-01	-6.889E-06
251	5	510.00	1	-7.811E+00	7.967E+03	2.974E+00	1.412E-02	-1.678E+03	3.734E+07	-1.746E-09	-3.348E-13
252	1	0.00	1	-1.893E+01	1.931E+04	-2.974E+00	-1.412E-02	1.612E+02	3.039E+07	0.000E+00	0.000E+00
252	2	127.50	1	-1.615E+01	1.647E+04	-2.974E+00	-1.412E-02	5.403E+02	3.267E+07	-9.780E-02	5.224E-06
252	3	255.00	1	-1.337E+01	1.364E+04	-2.974E+00	-1.412E-02	9.195E+02	3.459E+07	-1.327E-01	8.075E-06
252	4	382.50	1	-1.059E+01	1.080E+04	-2.974E+00	-1.412E-02	1.299E+03	3.614E+07	-1.011E-01	6.889E-06
252	5	510.00	1	-7.811E+00	7.967E+03	-2.974E+00	-1.412E-02	1.678E+03	3.734E+07	-1.746E-09	3.347E-13
253	1	0.00	1	7.811E+00	-7.967E+03	-5.871E+01	-1.412E-02	-1.800E+03	3.734E+07	0.000E+00	0.000E+00
253	2	127.50	1	1.059E+01	-1.080E+04	-5.871E+01	-1.412E-02	5.686E+03	3.614E+07	-1.011E-01	7.032E-05
253	3	255.00	1	1.337E+01	-1.364E+04	-5.871E+01	-1.412E-02	1.317E+04	3.459E+07	-1.327E-01	1.157E-04
253	4	382.50	1	1.615E+01	-1.647E+04	-5.871E+01	-1.412E-02	2.066E+04	3.267E+07	-9.780E-02	1.032E-04
253	5	510.00	1	1.893E+01	-1.931E+04	-5.871E+01	-1.412E-02	2.814E+04	3.039E+07	2.433E-09	7.027E-13
254	1	0.00	1	7.811E+00	-7.967E+03	5.871E+01	1.412E-02	1.800E+03	3.734E+07	0.000E+00	0.000E+00
254	2	127.50	1	1.059E+01	-1.080E+04	5.871E+01	1.412E-02	-5.686E+03	3.614E+07	-1.011E-01	-7.032E-05
254	3	255.00	1	1.337E+01	-1.364E+04	5.871E+01	1.412E-02	-1.317E+04	3.459E+07	-1.327E-01	-1.157E-04
254	4	382.50	1	1.615E+01	-1.647E+04	5.871E+01	1.412E-02	-2.066E+04	3.267E+07	-9.780E-02	-1.032E-04
254	5	510.00	1	1.893E+01	-1.931E+04	5.871E+01	1.412E-02	-2.814E+04	3.039E+07	2.433E-09	-7.027E-13
255	1	0.00	1	3.298E+01	-3.357E+04	4.861E+02	-2.831E-02	2.834E+04	3.039E+07	0.000E+00	0.000E+00
255	2	127.25	1	3.576E+01	-3.640E+04	4.861E+02	-2.831E-02	-3.352E+04	2.593E+07	-6.537E-02	-4.905E-04
255	3	254.50	1	3.854E+01	-3.923E+04	4.861E+02	-2.831E-02	-9.538E+04	2.112E+07	-8.093E-02	-8.343E-04
255	4	381.75	1	4.132E+01	-4.206E+04	4.861E+02	-2.831E-02	-1.572E+05	1.595E+07	-5.586E-02	-7.610E-04
255	5	509.00	1	4.410E+01	-4.489E+04	4.861E+02	-2.831E-02	-2.191E+05	1.042E+07	-1.329E-08	-5.420E-12
256	1	0.00	1	3.298E+01	-3.357E+04	-4.861E+02	2.831E-02	-2.834E+04	3.039E+07	0.000E+00	0.000E+00
256	2	127.25	1	3.576E+01	-3.640E+04	-4.861E+02	2.831E-02	3.352E+04	2.593E+07	-6.537E-02	4.905E-04
256	3	254.50	1	3.854E+01	-3.923E+04	-4.861E+02	2.831E-02	9.538E+04	2.112E+07	-8.093E-02	8.343E-04
256	4	381.75	1	4.132E+01	-4.206E+04	-4.861E+02	2.831E-02	1.572E+05	1.595E+07	-5.586E-02	7.610E-04
256	5	509.00	1	4.410E+01	-4.489E+04	-4.861E+02	2.831E-02	2.191E+05	1.042E+07	-1.329E-08	5.420E-12
257	1	0.00	1	6.169E+01	-5.583E+04	-1.277E+03	-1.718E-01	-2.211E+05	1.042E+07	0.000E+00	0.000E+00
257	2	45.25	1	6.280E+01	-5.683E+04	-1.277E+03	-1.718E-01	-1.633E+05	7.867E+06	-2.303E-03	-1.035E-04
257	3	90.50	1	6.391E+01	-5.784E+04	-1.277E+03	-1.718E-01	-1.056E+05	5.272E+06	-2.653E-03	-1.168E-04
257	4	135.75	1	6.502E+01	-5.884E+04	-1.277E+03	-1.718E-01	-4.778E+04	2.633E+06	-1.673E-03	-7.159E-05
257	5	181.00	1	6.613E+01	-5.985E+04	-1.277E+03	-1.718E-01	9.999E+03	-5.293E+04	-8.975E-10	2.885E-11
258	1	0.00	1	6.169E+01	-5.583E+04	1.277E+03	1.718E-01	2.211E+05	1.042E+07	0.000E+00	0.000E+00
258	2	45.25	1	6.280E+01	-5.683E+04	1.277E+03	1.718E-01	1.633E+05	7.867E+06	-2.303E-03	1.035E-04
258	3	90.50	1	6.391E+01	-5.784E+04	1.277E+03	1.718E-01	1.056E+05	5.272E+06	-2.653E-03	1.168E-04

258	4	135.75	1	6.502E+01	-5.884E+04	1.277E+03	1.718E-01	4.778E+04	2.633E+06	-1.673E-03	7.159E-05
258	5	181.00	1	6.613E+01	-5.985E+04	1.277E+03	1.718E-01	-9.999E+03	-5.293E+04	-8.975E-10	-2.885E-11
259	1	0.00	1	-2.224E+00	1.534E+03	1.214E-10	6.430E-12	1.973E-10	-5.293E+04	0.000E+00	0.000E+00
259	2	17.25	1	-1.668E+00	1.151E+03	1.214E-10	6.430E-12	-1.898E-09	-2.977E+04	-1.210E-05	-3.361E-19
259	3	34.50	1	-1.112E+00	7.671E+02	1.214E-10	6.430E-12	-3.992E-09	-1.323E+04	-1.648E-05	-5.613E-19
259	4	51.75	1	-5.559E-01	3.836E+02	1.214E-10	6.430E-12	-6.087E-09	-3.308E+03	-1.256E-05	-5.059E-19
259	5	69.00	1	6.097E-11	-1.366E-09	1.214E-10	6.430E-12	-8.182E-09	5.507E-09	2.092E-13	7.321E-26
260	1	0.00	1	-2.224E+00	1.534E+03	2.139E-10	6.222E-12	5.052E-09	-5.293E+04	0.000E+00	0.000E+00
260	2	17.25	1	-1.668E+00	1.151E+03	2.139E-10	6.222E-12	1.362E-09	-2.977E+04	-1.210E-05	-1.825E-19
260	3	34.50	1	-1.112E+00	7.671E+02	2.139E-10	6.222E-12	-2.328E-09	-1.323E+04	-1.648E-05	-4.100E-19
260	4	51.75	1	-5.559E-01	3.836E+02	2.139E-10	6.222E-12	-6.018E-09	-3.308E+03	-1.256E-05	-4.325E-19
260	5	69.00	1	1.525E-10	-5.396E-10	2.139E-10	6.222E-12	-9.708E-09	-1.311E-08	2.092E-13	2.535E-27
261	1	0.00	1	4.451E-12	-2.708E-10	-4.187E-12	2.067E-13	-2.131E-10	1.223E-07	0.000E+00	0.000E+00
261	2	17.25	1	5.559E-01	-3.836E+02	-4.187E-12	2.067E-13	-1.409E-10	-3.308E+03	-1.256E-05	0.000E+00
261	3	34.50	1	1.112E+00	-7.671E+02	-4.187E-12	2.067E-13	-6.866E-11	-1.323E+04	-1.648E-05	0.000E+00
261	4	51.75	1	1.668E+00	-1.151E+03	-4.187E-12	2.067E-13	3.558E-12	-2.977E+04	-1.210E-05	0.000E+00
261	5	69.00	1	2.224E+00	-1.534E+03	-4.187E-12	2.067E-13	7.578E-11	-5.293E+04	-1.809E-14	0.000E+00
262	1	0.00	1	2.853E-12	-5.193E-11	-4.563E-12	-2.050E-13	5.457E-12	5.635E-08	0.000E+00	0.000E+00
262	2	17.25	1	5.559E-01	-3.836E+02	-4.563E-12	-2.050E-13	8.417E-11	-3.308E+03	-1.256E-05	0.000E+00
262	3	34.50	1	1.112E+00	-7.671E+02	-4.563E-12	-2.050E-13	1.629E-10	-1.323E+04	-1.648E-05	0.000E+00
262	4	51.75	1	1.668E+00	-1.151E+03	-4.563E-12	-2.050E-13	2.416E-10	-2.977E+04	-1.210E-05	0.000E+00
262	5	69.00	1	2.224E+00	-1.534E+03	-4.563E-12	-2.050E-13	3.203E-10	-5.293E+04	-1.808E-14	0.000E+00
263	1	0.00	1	-6.613E+01	5.985E+04	1.297E+03	1.718E-01	1.003E+04	-5.293E+04	0.000E+00	0.000E+00
263	2	45.25	1	-6.502E+01	5.884E+04	1.297E+03	1.718E-01	-4.863E+04	2.633E+06	-1.673E-03	-7.279E-05
263	3	90.50	1	-6.391E+01	5.784E+04	1.297E+03	1.718E-01	-1.073E+05	5.272E+06	-2.653E-03	-1.187E-04
263	4	135.75	1	-6.280E+01	5.683E+04	1.297E+03	1.718E-01	-1.660E+05	7.867E+06	-2.303E-03	-1.052E-04
263	5	181.00	1	-6.169E+01	5.583E+04	1.297E+03	1.718E-01	-2.246E+05	1.042E+07	-1.628E-10	-2.095E-12
264	1	0.00	1	-6.613E+01	5.985E+04	-1.297E+03	-1.718E-01	-1.003E+04	-5.293E+04	0.000E+00	0.000E+00
264	2	45.25	1	-6.502E+01	5.884E+04	-1.297E+03	-1.718E-01	4.863E+04	2.633E+06	-1.673E-03	7.279E-05
264	3	90.50	1	-6.391E+01	5.784E+04	-1.297E+03	-1.718E-01	1.073E+05	5.272E+06	-2.653E-03	1.187E-04
264	4	135.75	1	-6.280E+01	5.683E+04	-1.297E+03	-1.718E-01	1.660E+05	7.867E+06	-2.303E-03	1.052E-04
264	5	181.00	1	-6.169E+01	5.583E+04	-1.297E+03	-1.718E-01	2.246E+05	1.042E+07	-1.628E-10	2.095E-12
265	1	0.00	1	-4.410E+01	4.489E+04	-4.944E+02	2.830E-02	-2.227E+05	1.042E+07	0.000E+00	0.000E+00
265	2	127.25	1	-4.132E+01	4.206E+04	-4.944E+02	2.830E-02	-1.598E+05	1.595E+07	-5.586E-02	-7.734E-04
265	3	254.50	1	-3.854E+01	3.923E+04	-4.944E+02	2.830E-02	-9.691E+04	2.112E+07	-8.093E-02	-8.477E-04
265	4	381.75	1	-3.576E+01	3.640E+04	-4.944E+02	2.830E-02	-3.400E+04	2.593E+07	-6.537E-02	-4.982E-04
265	5	509.00	1	-3.298E+01	3.357E+04	-4.944E+02	2.830E-02	2.891E+04	3.039E+07	-1.285E-09	-9.651E-11
266	1	0.00	1	-4.410E+01	4.489E+04	4.944E+02	-2.830E-02	2.227E+05	1.042E+07	0.000E+00	0.000E+00
266	2	127.25	1	-4.132E+01	4.206E+04	4.944E+02	-2.830E-02	1.598E+05	1.595E+07	-5.586E-02	7.734E-04
266	3	254.50	1	-3.854E+01	3.923E+04	4.944E+02	-2.830E-02	9.691E+04	2.112E+07	-8.093E-02	8.477E-04
266	4	381.75	1	-3.576E+01	3.640E+04	4.944E+02	-2.830E-02	3.400E+04	2.593E+07	-6.537E-02	4.982E-04
266	5	509.00	1	-3.298E+01	3.357E+04	4.944E+02	-2.830E-02	-2.891E+04	3.039E+07	-1.285E-09	9.651E-11
267	1	0.00	1	-1.893E+01	1.931E+04	5.934E+01	1.412E-02	2.853E+04	3.039E+07	0.000E+00	0.000E+00
267	2	127.50	1	-1.615E+01	1.647E+04	5.934E+01	1.412E-02	2.096E+04	3.267E+07	-9.780E-02	1.049E-04
267	3	255.00	1	-1.337E+01	1.364E+04	5.934E+01	1.412E-02	1.340E+04	3.459E+07	-1.327E-01	1.177E-04
267	4	382.50	1	-1.059E+01	1.080E+04	5.934E+01	1.412E-02	5.831E+03	3.614E+07	-1.011E-01	7.163E-05
267	5	510.00	1	-7.811E+00	7.967E+03	5.934E+01	1.412E-02	-1.736E+03	3.734E+07	-1.517E-09	-3.549E-12
268	1	0.00	1	-1.893E+01	1.931E+04	-5.934E+01	-1.412E-02	-2.853E+04	3.039E+07	0.000E+00	0.000E+00
268	2	127.50	1	-1.615E+01	1.647E+04	-5.934E+01	-1.412E-02	-2.096E+04	3.267E+07	-9.780E-02	-1.049E-04
268	3	255.00	1	-1.337E+01	1.364E+04	-5.934E+01	-1.412E-02	-1.340E+04	3.459E+07	-1.327E-01	-1.177E-04
268	4	382.50	1	-1.059E+01	1.080E+04	-5.934E+01	-1.412E-02	-5.831E+03	3.614E+07	-1.011E-01	-7.163E-05
268	5	510.00	1	-7.811E+00	7.967E+03	-5.934E+01	-1.412E-02	1.736E+03	3.734E+07	-1.517E-09	3.549E-12
269	1	0.00	1	7.811E+00	-7.967E+03	-3.636E+00	-1.412E-02	-1.815E+03	3.734E+07	0.000E+00	0.000E+00
269	2	127.50	1	1.059E+01	-1.080E+04	-3.636E+00	-1.412E-02	-1.351E+03	3.614E+07	-1.011E-01	-6.865E-06
269	3	255.00	1	1.337E+01	-1.364E+04	-3.636E+00	-1.412E-02	-8.877E+02	3.459E+07	-1.327E-01	-7.796E-06
269	4	382.50	1	1.615E+01	-1.647E+04	-3.636E+00	-1.412E-02	-4.241E+02	3.267E+07	-9.780E-02	-4.829E-06
269	5	510.00	1	1.893E+01	-1.931E+04	-3.636E+00	-1.412E-02	3.950E+01	3.039E+07	2.324E-09	5.606E-13
270	1	0.00	1	7.811E+00	-7.967E+03	3.636E+00	1.412E-02	1.815E+03	3.734E+07	0.000E+00	0.000E+00
270	2	127.50	1	1.059E+01	-1.080E+04	3.636E+00	1.412E-02	1.351E+03	3.614E+07	-1.011E-01	6.865E-06
270	3	255.00	1	1.337E+01	-1.364E+04	3.636E+00	1.412E-02	8.877E+02	3.459E+07	-1.327E-01	7.796E-06
270	4	382.50	1	1.615E+01	-1.647E+04	3.636E+00	1.412E-02	4.241E+02	3.267E+07	-9.780E-02	4.829E-06
270	5	510.00	1	1.893E+01	-1.931E+04	3.636E+00	1.412E-02	-3.950E+01	3.039E+07	2.324E-09	-5.607E-13

271	1	0.00	1	3.298E+01	-3.357E+04	7.738E-01	-2.830E-02	-5.011E+01	3.039E+07	0.000E+00	0.000E+00
271	2	127.25	1	3.576E+01	-3.640E+04	7.738E-01	-2.830E-02	-1.486E+02	2.593E+07	-6.537E-02	-1.405E-06
271	3	254.50	1	3.854E+01	-3.923E+04	7.738E-01	-2.830E-02	-2.470E+02	2.112E+07	-8.093E-02	-2.161E-06
271	4	381.75	1	4.132E+01	-4.206E+04	7.738E-01	-2.830E-02	-3.455E+02	1.595E+07	-5.586E-02	-1.836E-06
271	5	509.00	1	4.410E+01	-4.489E+04	7.738E-01	-2.830E-02	-4.440E+02	1.042E+07	-1.374E-08	2.557E-13
272	1	0.00	1	3.298E+01	-3.357E+04	-7.738E-01	2.830E-02	5.011E+01	3.039E+07	0.000E+00	0.000E+00
272	2	127.25	1	3.576E+01	-3.640E+04	-7.738E-01	2.830E-02	1.486E+02	2.593E+07	-6.537E-02	1.405E-06
272	3	254.50	1	3.854E+01	-3.923E+04	-7.738E-01	2.830E-02	2.470E+02	2.112E+07	-8.093E-02	2.161E-06
272	4	381.75	1	4.132E+01	-4.206E+04	-7.738E-01	2.830E-02	3.455E+02	1.595E+07	-5.586E-02	1.836E-06
272	5	509.00	1	4.410E+01	-4.489E+04	-7.738E-01	2.830E-02	4.440E+02	1.042E+07	-1.374E-08	-2.559E-13
273	1	0.00	1	6.169E+01	-5.583E+04	-3.340E+00	-1.718E-01	-5.182E+02	1.042E+07	0.000E+00	0.000E+00
273	2	45.25	1	6.280E+01	-5.683E+04	-3.340E+00	-1.718E-01	-3.671E+02	7.867E+06	-2.303E-03	-2.210E-07
273	3	90.50	1	6.391E+01	-5.784E+04	-3.340E+00	-1.718E-01	-2.160E+02	5.272E+06	-2.653E-03	-2.389E-07
273	4	135.75	1	6.502E+01	-5.884E+04	-3.340E+00	-1.718E-01	-6.485E+01	2.633E+06	-1.673E-03	-1.374E-07
273	5	181.00	1	6.613E+01	-5.985E+04	-3.340E+00	-1.718E-01	8.627E+01	-5.293E+04	-4.527E-10	-1.788E-14
274	1	0.00	1	6.169E+01	-5.583E+04	3.340E+00	1.718E-01	5.182E+02	1.042E+07	0.000E+00	0.000E+00
274	2	45.25	1	6.280E+01	-5.683E+04	3.340E+00	1.718E-01	3.671E+02	7.867E+06	-2.303E-03	2.210E-07
274	3	90.50	1	6.391E+01	-5.784E+04	3.340E+00	1.718E-01	2.160E+02	5.272E+06	-2.653E-03	2.389E-07
274	4	135.75	1	6.502E+01	-5.884E+04	3.340E+00	1.718E-01	6.485E+01	2.633E+06	-1.673E-03	1.374E-07
274	5	181.00	1	6.613E+01	-5.985E+04	3.340E+00	1.718E-01	-8.627E+01	-5.293E+04	-4.527E-10	1.784E-14
275	1	0.00	1	-4.366E-12	1.534E+03	9.524E-15	8.620E-16	-1.525E-10	-5.293E+04	0.000E+00	0.000E+00
275	2	17.25	1	-4.366E-12	1.151E+03	9.524E-15	8.620E-16	-1.527E-10	-2.977E+04	-1.210E-05	0.000E+00
275	3	34.50	1	-4.366E-12	7.671E+02	9.524E-15	8.620E-16	-1.529E-10	-1.323E+04	-1.648E-05	0.000E+00
275	4	51.75	1	-4.366E-12	3.836E+02	9.524E-15	8.620E-16	-1.530E-10	-3.308E+03	-1.256E-05	0.000E+00
275	5	69.00	1	-4.366E-12	-3.302E-10	9.524E-15	8.620E-16	-1.532E-10	-6.379E-09	4.930E-13	0.000E+00
276	1	0.00	1	9.823E-12	1.534E+03	-1.270E-13	1.037E-15	-2.193E-08	-5.293E+04	0.000E+00	0.000E+00
276	2	17.25	1	9.823E-12	1.151E+03	-1.270E-13	1.037E-15	-2.192E-08	-2.977E+04	-1.210E-05	-2.502E-18
276	3	34.50	1	9.823E-12	7.671E+02	-1.270E-13	1.037E-15	-2.192E-08	-1.323E+04	-1.648E-05	-3.336E-18
276	4	51.75	1	9.823E-12	3.836E+02	-1.270E-13	1.037E-15	-2.192E-08	-3.308E+03	-1.256E-05	-2.502E-18
276	5	69.00	1	9.823E-12	1.800E-09	-1.270E-13	1.037E-15	-2.192E-08	7.419E-08	4.930E-13	3.623E-26
277	1	0.00	1	-3.155E-12	3.892E-10	4.296E-13	0.000E+00	5.558E-12	1.008E-07	0.000E+00	0.000E+00
277	2	17.25	1	-3.155E-12	-3.836E+02	4.296E-13	0.000E+00	-1.852E-12	-3.308E+03	-1.256E-05	0.000E+00
277	3	34.50	1	-3.155E-12	-7.671E+02	4.296E-13	0.000E+00	-9.262E-12	-1.323E+04	-1.648E-05	0.000E+00
277	4	51.75	1	-3.155E-12	-1.151E+03	4.296E-13	0.000E+00	-1.667E-11	-2.977E+04	-1.210E-05	0.000E+00
277	5	69.00	1	-3.155E-12	-1.534E+03	4.296E-13	0.000E+00	-2.408E-11	-5.293E+04	9.737E-15	0.000E+00
278	1	0.00	1	-3.155E-12	-2.204E-10	1.969E-13	0.000E+00	-1.868E-11	7.951E-08	0.000E+00	0.000E+00
278	2	17.25	1	-3.155E-12	-3.836E+02	1.969E-13	0.000E+00	-2.208E-11	-3.308E+03	-1.256E-05	0.000E+00
278	3	34.50	1	-3.155E-12	-7.671E+02	1.969E-13	0.000E+00	-2.547E-11	-1.323E+04	-1.648E-05	0.000E+00
278	4	51.75	1	-3.155E-12	-1.151E+03	1.969E-13	0.000E+00	-2.887E-11	-2.977E+04	-1.210E-05	0.000E+00
278	5	69.00	1	-3.155E-12	-1.534E+03	1.969E-13	0.000E+00	-3.226E-11	-5.293E+04	9.750E-15	0.000E+00
279	1	0.00	1	-6.613E+01	5.985E+04	-3.661E+00	1.718E-01	-8.539E+01	-5.293E+04	0.000E+00	0.000E+00
279	2	45.25	1	-6.502E+01	5.884E+04	-3.661E+00	1.718E-01	8.025E+01	2.633E+06	-1.673E-03	1.582E-07
279	3	90.50	1	-6.391E+01	5.784E+04	-3.661E+00	1.718E-01	2.459E+02	5.272E+06	-2.653E-03	2.720E-07
279	4	135.75	1	-6.280E+01	5.683E+04	-3.661E+00	1.718E-01	4.115E+02	7.867E+06	-2.303E-03	2.498E-07
279	5	181.00	1	-6.169E+01	5.583E+04	-3.661E+00	1.718E-01	5.772E+02	1.042E+07	-5.452E-11	-1.178E-14
280	1	0.00	1	-6.613E+01	5.985E+04	3.661E+00	-1.718E-01	8.539E+01	-5.293E+04	0.000E+00	0.000E+00
280	2	45.25	1	-6.502E+01	5.884E+04	3.661E+00	-1.718E-01	-8.025E+01	2.633E+06	-1.673E-03	-1.582E-07
280	3	90.50	1	-6.391E+01	5.784E+04	3.661E+00	-1.718E-01	-2.459E+02	5.272E+06	-2.653E-03	-2.720E-07
280	4	135.75	1	-6.280E+01	5.683E+04	3.661E+00	-1.718E-01	-4.115E+02	7.867E+06	-2.303E-03	-2.498E-07
280	5	181.00	1	-6.169E+01	5.583E+04	3.661E+00	-1.718E-01	-5.772E+02	1.042E+07	-5.452E-11	1.179E-14
281	1	0.00	1	-4.410E+01	4.489E+04	1.129E+00	2.830E-02	5.035E+02	1.042E+07	0.000E+00	0.000E+00
281	2	127.25	1	-4.132E+01	4.206E+04	1.129E+00	2.830E-02	3.598E+02	1.595E+07	-5.586E-02	1.732E-06
281	3	254.50	1	-3.854E+01	3.923E+04	1.129E+00	2.830E-02	2.161E+02	2.112E+07	-8.093E-02	1.890E-06
281	4	381.75	1	-3.576E+01	3.640E+04	1.129E+00	2.830E-02	7.237E+01	2.593E+07	-6.537E-02	1.103E-06
281	5	509.00	1	-3.298E+01	3.357E+04	1.129E+00	2.830E-02	-7.132E+01	3.039E+07	-6.471E-10	-4.128E-13
282	1	0.00	1	-4.410E+01	4.489E+04	-1.129E+00	-2.830E-02	-5.035E+02	1.042E+07	0.000E+00	0.000E+00
282	2	127.25	1	-4.132E+01	4.206E+04	-1.129E+00	-2.830E-02	-3.598E+02	1.595E+07	-5.586E-02	-1.732E-06
282	3	254.50	1	-3.854E+01	3.923E+04	-1.129E+00	-2.830E-02	-2.161E+02	2.112E+07	-8.093E-02	-1.890E-06
282	4	381.75	1	-3.576E+01	3.640E+04	-1.129E+00	-2.830E-02	-7.237E+01	2.593E+07	-6.537E-02	-1.103E-06
282	5	509.00	1	-3.298E+01	3.357E+04	-1.129E+00	-2.830E-02	7.132E+01	3.039E+07	-6.471E-10	4.129E-13
283	1	0.00	1	-1.893E+01	1.931E+04	2.974E+00	1.412E-02	-1.612E+02	3.039E+07	0.000E+00	0.000E+00
283	2	127.50	1	-1.615E+01	1.647E+04	2.974E+00	1.412E-02	-5.403E+02	3.267E+07	-9.780E-02	-5.224E-08

283	3	255.00	1	-1.337E+01	1.364E+04	2.974E+00	1.412E-02	-9.195E+02	3.459E+07	-1.327E-01	-8.075E-06
283	4	382.50	1	-1.059E+01	1.080E+04	2.974E+00	1.412E-02	-1.299E+03	3.614E+07	-1.011E-01	-6.889E-06
283	5	510.00	1	-7.811E+00	7.967E+03	2.974E+00	1.412E-02	-1.678E+03	3.734E+07	-1.746E-09	-3.347E-13
284	1	0.00	1	-1.893E+01	1.931E+04	-2.974E+00	-1.412E-02	1.612E+02	3.039E+07	0.000E+00	0.000E+00
284	2	127.50	1	-1.615E+01	1.647E+04	-2.974E+00	-1.412E-02	5.403E+02	3.267E+07	-9.780E-02	5.224E-06
284	3	255.00	1	-1.337E+01	1.364E+04	-2.974E+00	-1.412E-02	9.195E+02	3.459E+07	-1.327E-01	8.075E-06
284	4	382.50	1	-1.059E+01	1.080E+04	-2.974E+00	-1.412E-02	1.299E+03	3.614E+07	-1.011E-01	6.889E-06
284	5	510.00	1	-7.811E+00	7.967E+03	-2.974E+00	-1.412E-02	1.678E+03	3.734E+07	-1.746E-09	3.348E-13
285	1	0.00	1	7.811E+00	-7.967E+03	-5.871E+01	-1.412E-02	-1.800E+03	3.734E+07	0.000E+00	0.000E+00
285	2	127.50	1	1.059E+01	-1.080E+04	-5.871E+01	-1.412E-02	5.686E+03	3.614E+07	-1.011E-01	7.032E-05
285	3	255.00	1	1.337E+01	-1.364E+04	-5.871E+01	-1.412E-02	1.317E+04	3.459E+07	-1.327E-01	1.157E-04
285	4	382.50	1	1.615E+01	-1.647E+04	-5.871E+01	-1.412E-02	2.066E+04	3.267E+07	-9.780E-02	1.032E-04
285	5	510.00	1	1.893E+01	-1.931E+04	-5.871E+01	-1.412E-02	2.814E+04	3.039E+07	2.433E-09	7.026E-13
286	1	0.00	1	7.811E+00	-7.967E+03	5.871E+01	1.412E-02	1.800E+03	3.734E+07	0.000E+00	0.000E+00
286	2	127.50	1	1.059E+01	-1.080E+04	5.871E+01	1.412E-02	-5.686E+03	3.614E+07	-1.011E-01	-7.032E-05
286	3	255.00	1	1.337E+01	-1.364E+04	5.871E+01	1.412E-02	-1.317E+04	3.459E+07	-1.327E-01	-1.157E-04
286	4	382.50	1	1.615E+01	-1.647E+04	5.871E+01	1.412E-02	-2.066E+04	3.267E+07	-9.780E-02	-1.032E-04
286	5	510.00	1	1.893E+01	-1.931E+04	5.871E+01	1.412E-02	-2.814E+04	3.039E+07	2.433E-09	-7.026E-13
287	1	0.00	1	3.298E+01	-3.357E+04	4.861E+02	-2.831E-02	2.834E+04	3.039E+07	0.000E+00	0.000E+00
287	2	127.25	1	3.576E+01	-3.640E+04	4.861E+02	-2.831E-02	-3.352E+04	2.593E+07	-6.537E-02	-4.905E-04
287	3	254.50	1	3.854E+01	-3.923E+04	4.861E+02	-2.831E-02	-9.538E+04	2.112E+07	-8.093E-02	-8.343E-04
287	4	381.75	1	4.132E+01	-4.206E+04	4.861E+02	-2.831E-02	-1.572E+05	1.595E+07	-5.586E-02	-7.610E-04
287	5	509.00	1	4.410E+01	-4.489E+04	4.861E+02	-2.831E-02	-2.191E+05	1.042E+07	-1.329E-08	-5.419E-12
288	1	0.00	1	3.298E+01	-3.357E+04	-4.861E+02	2.831E-02	-2.834E+04	3.039E+07	0.000E+00	0.000E+00
288	2	127.25	1	3.576E+01	-3.640E+04	-4.861E+02	2.831E-02	3.352E+04	2.593E+07	-6.537E-02	4.905E-04
288	3	254.50	1	3.854E+01	-3.923E+04	-4.861E+02	2.831E-02	9.538E+04	2.112E+07	-8.093E-02	8.343E-04
288	4	381.75	1	4.132E+01	-4.206E+04	-4.861E+02	2.831E-02	1.572E+05	1.595E+07	-5.586E-02	7.610E-04
288	5	509.00	1	4.410E+01	-4.489E+04	-4.861E+02	2.831E-02	2.191E+05	1.042E+07	-1.329E-08	5.419E-12
289	1	0.00	1	6.169E+01	-5.583E+04	-1.277E+03	-1.718E-01	-2.211E+05	1.042E+07	0.000E+00	0.000E+00
289	2	45.25	1	6.280E+01	-5.683E+04	-1.277E+03	-1.718E-01	-1.633E+05	7.867E+06	-2.303E-03	-1.035E-04
289	3	90.50	1	6.391E+01	-5.784E+04	-1.277E+03	-1.718E-01	-1.056E+05	5.272E+06	-2.653E-03	-1.168E-04
289	4	135.75	1	6.502E+01	-5.884E+04	-1.277E+03	-1.718E-01	-4.778E+04	2.633E+06	-1.673E-03	-7.159E-05
289	5	181.00	1	6.613E+01	-5.985E+04	-1.277E+03	-1.718E-01	9.999E+03	-5.293E+04	-8.975E-10	2.885E-11
290	1	0.00	1	6.169E+01	-5.583E+04	1.277E+03	1.718E-01	2.211E+05	1.042E+07	0.000E+00	0.000E+00
290	2	45.25	1	6.280E+01	-5.683E+04	1.277E+03	1.718E-01	1.633E+05	7.867E+06	-2.303E-03	1.035E-04
290	3	90.50	1	6.391E+01	-5.784E+04	1.277E+03	1.718E-01	1.056E+05	5.272E+06	-2.653E-03	1.168E-04
290	4	135.75	1	6.502E+01	-5.884E+04	1.277E+03	1.718E-01	4.778E+04	2.633E+06	-1.673E-03	7.159E-05
290	5	181.00	1	6.613E+01	-5.985E+04	1.277E+03	1.718E-01	-9.999E+03	-5.293E+04	-8.975E-10	-2.885E-11
291	1	0.00	1	-2.224E+00	1.534E+03	9.082E-11	-3.030E-13	3.755E-09	-5.293E+04	0.000E+00	0.000E+00
291	2	17.25	1	-1.668E+00	1.151E+03	9.082E-11	-3.030E-13	2.189E-09	-2.977E+04	-1.210E-05	1.258E-19
291	3	34.50	1	-1.112E+00	7.671E+02	9.082E-11	-3.030E-13	6.219E-10	-1.323E+04	-1.648E-05	8.865E-20
291	4	51.75	1	-5.559E-01	3.836E+02	9.082E-11	-3.030E-13	-9.446E-10	-3.308E+03	-1.256E-05	7.157E-21
291	5	69.00	1	1.302E-10	3.592E-10	9.082E-11	-3.030E-13	-2.511E-09	-1.804E-07	2.092E-13	2.565E-25
292	1	0.00	1	-2.224E+00	1.534E+03	-5.407E-11	-5.863E-12	2.858E-09	-5.293E+04	0.000E+00	0.000E+00
292	2	17.25	1	-1.668E+00	1.151E+03	-5.407E-11	-5.863E-12	3.790E-09	-2.977E+04	-1.210E-05	5.012E-19
292	3	34.50	1	-1.112E+00	7.671E+02	-5.407E-11	-5.863E-12	4.723E-09	-1.323E+04	-1.648E-05	7.242E-19
292	4	51.75	1	-5.559E-01	3.836E+02	-5.407E-11	-5.863E-12	5.656E-09	-3.308E+03	-1.256E-05	5.852E-19
292	5	69.00	1	-6.384E-11	-2.374E-11	-5.407E-11	-5.863E-12	6.589E-09	-3.069E-08	2.092E-13	-7.184E-26
293	1	0.00	1	4.116E-12	2.617E-10	-2.444E-13	-3.999E-15	-2.264E-10	3.958E-08	0.000E+00	0.000E+00
293	2	17.25	1	5.559E-01	-3.836E+02	-2.444E-13	-3.999E-15	-2.222E-10	-3.308E+03	-1.256E-05	0.000E+00
293	3	34.50	1	1.112E+00	-7.671E+02	-2.444E-13	-3.999E-15	-2.179E-10	-1.323E+04	-1.648E-05	0.000E+00
293	4	51.75	1	1.668E+00	-1.151E+03	-2.444E-13	-3.999E-15	-2.137E-10	-2.977E+04	-1.210E-05	0.000E+00
293	5	69.00	1	2.224E+00	-1.534E+03	-2.444E-13	-3.999E-15	-2.095E-10	-5.293E+04	-1.808E-14	0.000E+00
294	1	0.00	1	9.625E-13	-1.500E-11	-3.149E-12	3.640E-15	8.931E-11	1.014E-07	0.000E+00	0.000E+00
294	2	17.25	1	5.559E-01	-3.836E+02	-3.149E-12	3.640E-15	1.436E-10	-3.308E+03	-1.256E-05	0.000E+00
294	3	34.50	1	1.112E+00	-7.671E+02	-3.149E-12	3.640E-15	1.980E-10	-1.323E+04	-1.648E-05	0.000E+00
294	4	51.75	1	1.668E+00	-1.151E+03	-3.149E-12	3.640E-15	2.523E-10	-2.977E+04	-1.210E-05	0.000E+00
294	5	69.00	1	2.224E+00	-1.534E+03	-3.149E-12	3.640E-15	3.066E-10	-5.293E+04	-1.809E-14	0.000E+00
295	1	0.00	1	-6.613E+01	5.985E+04	1.297E+03	1.718E-01	1.003E+04	-5.293E+04	0.000E+00	0.000E+00
295	2	45.25	1	-6.502E+01	5.884E+04	1.297E+03	1.718E-01	-4.863E+04	2.633E+06	-1.673E-03	-7.279E-05
295	3	90.50	1	-6.391E+01	5.784E+04	1.297E+03	1.718E-01	-1.073E+05	5.272E+06	-2.653E-03	-1.187E-04
295	4	135.75	1	-6.280E+01	5.683E+04	1.297E+03	1.718E-01	-1.660E+05	7.867E+06	-2.303E-03	-1.052E-04

295	5	181.00	1	-6.169E+01	5.583E+04	1.297E+03	1.718E-01	-2.246E+05	1.042E+07	-1.628E-10	-2.095E-12
296	1	0.00	1	-6.613E+01	5.985E+04	-1.297E+03	-1.718E-01	-1.003E+04	-5.293E+04	0.000E+00	0.000E+00
296	2	45.25	1	-6.502E+01	5.884E+04	-1.297E+03	-1.718E-01	4.863E+04	2.633E+06	-1.673E-03	7.279E-05
296	3	90.50	1	-6.391E+01	5.784E+04	-1.297E+03	-1.718E-01	1.073E+05	5.272E+06	-2.653E-03	1.187E-04
296	4	135.75	1	-6.280E+01	5.683E+04	-1.297E+03	-1.718E-01	1.660E+05	7.867E+06	-2.303E-03	1.052E-04
296	5	181.00	1	-6.169E+01	5.583E+04	-1.297E+03	-1.718E-01	2.246E+05	1.042E+07	-1.628E-10	2.095E-12
297	1	0.00	1	-4.410E+01	4.489E+04	-4.944E+02	2.830E-02	-2.227E+05	1.042E+07	0.000E+00	0.000E+00
297	2	127.25	1	-4.132E+01	4.206E+04	-4.944E+02	2.830E-02	-1.598E+05	1.595E+07	-5.586E-02	-7.734E-04
297	3	254.50	1	-3.854E+01	3.923E+04	-4.944E+02	2.830E-02	-9.691E+04	2.112E+07	-8.093E-02	-8.477E-04
297	4	381.75	1	-3.576E+01	3.640E+04	-4.944E+02	2.830E-02	-3.400E+04	2.593E+07	-6.537E-02	-4.982E-04
297	5	509.00	1	-3.298E+01	3.357E+04	-4.944E+02	2.830E-02	2.891E+04	3.039E+07	-1.285E-09	-9.651E-11
298	1	0.00	1	-4.410E+01	4.489E+04	4.944E+02	-2.830E-02	2.227E+05	1.042E+07	0.000E+00	0.000E+00
298	2	127.25	1	-4.132E+01	4.206E+04	4.944E+02	-2.830E-02	1.598E+05	1.595E+07	-5.586E-02	7.734E-04
298	3	254.50	1	-3.854E+01	3.923E+04	4.944E+02	-2.830E-02	9.691E+04	2.112E+07	-8.093E-02	8.477E-04
298	4	381.75	1	-3.576E+01	3.640E+04	4.944E+02	-2.830E-02	3.400E+04	2.593E+07	-6.537E-02	4.982E-04
298	5	509.00	1	-3.298E+01	3.357E+04	4.944E+02	-2.830E-02	-2.891E+04	3.039E+07	-1.285E-09	9.651E-11
299	1	0.00	1	-1.893E+01	1.931E+04	5.934E+01	1.412E-02	2.853E+04	3.039E+07	0.000E+00	0.000E+00
299	2	127.50	1	-1.615E+01	1.647E+04	5.934E+01	1.412E-02	2.096E+04	3.267E+07	-9.780E-02	1.049E-04
299	3	255.00	1	-1.337E+01	1.364E+04	5.934E+01	1.412E-02	1.340E+04	3.459E+07	-1.327E-01	1.177E-04
299	4	382.50	1	-1.059E+01	1.080E+04	5.934E+01	1.412E-02	5.831E+03	3.614E+07	-1.011E-01	7.163E-05
299	5	510.00	1	-7.811E+00	7.967E+03	5.934E+01	1.412E-02	-1.736E+03	3.734E+07	-1.517E-09	-3.549E-12
300	1	0.00	1	-1.893E+01	1.931E+04	-5.934E+01	-1.412E-02	-2.853E+04	3.039E+07	0.000E+00	0.000E+00
300	2	127.50	1	-1.615E+01	1.647E+04	-5.934E+01	-1.412E-02	-2.096E+04	3.267E+07	-9.780E-02	-1.049E-04
300	3	255.00	1	-1.337E+01	1.364E+04	-5.934E+01	-1.412E-02	-1.340E+04	3.459E+07	-1.327E-01	-1.177E-04
300	4	382.50	1	-1.059E+01	1.080E+04	-5.934E+01	-1.412E-02	-5.831E+03	3.614E+07	-1.011E-01	-7.163E-05
300	5	510.00	1	-7.811E+00	7.967E+03	-5.934E+01	-1.412E-02	1.736E+03	3.734E+07	-1.517E-09	3.549E-12
301	1	0.00	1	7.811E+00	-7.967E+03	-3.636E+00	-1.412E-02	-1.815E+03	3.734E+07	0.000E+00	0.000E+00
301	2	127.50	1	1.059E+01	-1.080E+04	-3.636E+00	-1.412E-02	-1.351E+03	3.614E+07	-1.011E-01	-6.865E-06
301	3	255.00	1	1.337E+01	-1.364E+04	-3.636E+00	-1.412E-02	-8.877E+02	3.459E+07	-1.327E-01	-7.796E-06
301	4	382.50	1	1.615E+01	-1.647E+04	-3.636E+00	-1.412E-02	-4.241E+02	3.267E+07	-9.780E-02	-4.829E-06
301	5	510.00	1	1.893E+01	-1.931E+04	-3.636E+00	-1.412E-02	3.950E+01	3.039E+07	2.324E-09	5.604E-13
302	1	0.00	1	7.811E+00	-7.967E+03	3.636E+00	1.412E-02	1.815E+03	3.734E+07	0.000E+00	0.000E+00
302	2	127.50	1	1.059E+01	-1.080E+04	3.636E+00	1.412E-02	1.351E+03	3.614E+07	-1.011E-01	6.865E-06
302	3	255.00	1	1.337E+01	-1.364E+04	3.636E+00	1.412E-02	8.877E+02	3.459E+07	-1.327E-01	7.796E-06
302	4	382.50	1	1.615E+01	-1.647E+04	3.636E+00	1.412E-02	4.241E+02	3.267E+07	-9.780E-02	4.829E-06
302	5	510.00	1	1.893E+01	-1.931E+04	3.636E+00	1.412E-02	-3.950E+01	3.039E+07	2.324E-09	-5.609E-13
303	1	0.00	1	3.298E+01	-3.357E+04	7.738E-01	-2.830E-02	-5.011E+01	3.039E+07	0.000E+00	0.000E+00
303	2	127.25	1	3.576E+01	-3.640E+04	7.738E-01	-2.830E-02	-1.486E+02	2.593E+07	-6.537E-02	-1.405E-06
303	3	254.50	1	3.854E+01	-3.923E+04	7.738E-01	-2.830E-02	-2.470E+02	2.112E+07	-8.093E-02	-2.161E-06
303	4	381.75	1	4.132E+01	-4.206E+04	7.738E-01	-2.830E-02	-3.455E+02	1.595E+07	-5.586E-02	-1.836E-06
303	5	509.00	1	4.410E+01	-4.489E+04	7.738E-01	-2.830E-02	-4.440E+02	1.042E+07	-1.374E-08	2.555E-13
304	1	0.00	1	3.298E+01	-3.357E+04	-7.738E-01	2.830E-02	5.011E+01	3.039E+07	0.000E+00	0.000E+00
304	2	127.25	1	3.576E+01	-3.640E+04	-7.738E-01	2.830E-02	1.486E+02	2.593E+07	-6.537E-02	1.405E-06
304	3	254.50	1	3.854E+01	-3.923E+04	-7.738E-01	2.830E-02	2.470E+02	2.112E+07	-8.093E-02	2.161E-06
304	4	381.75	1	4.132E+01	-4.206E+04	-7.738E-01	2.830E-02	3.455E+02	1.595E+07	-5.586E-02	1.836E-06
304	5	509.00	1	4.410E+01	-4.489E+04	-7.738E-01	2.830E-02	4.440E+02	1.042E+07	-1.374E-08	-2.561E-13
305	1	0.00	1	6.169E+01	-5.583E+04	-3.340E+00	-1.718E-01	-5.182E+02	1.042E+07	0.000E+00	0.000E+00
305	2	45.25	1	6.280E+01	-5.683E+04	-3.340E+00	-1.718E-01	-3.671E+02	7.867E+06	-2.303E-03	-2.210E-07
305	3	90.50	1	6.391E+01	-5.784E+04	-3.340E+00	-1.718E-01	-2.160E+02	5.272E+06	-2.653E-03	-2.389E-07
305	4	135.75	1	6.502E+01	-5.884E+04	-3.340E+00	-1.718E-01	-6.485E+01	2.633E+06	-1.673E-03	-1.374E-07
305	5	181.00	1	6.613E+01	-5.985E+04	-3.340E+00	-1.718E-01	8.627E+01	-5.293E+04	-4.527E-10	-1.789E-14
306	1	0.00	1	6.169E+01	-5.583E+04	3.340E+00	1.718E-01	5.182E+02	1.042E+07	0.000E+00	0.000E+00
306	2	45.25	1	6.280E+01	-5.683E+04	3.340E+00	1.718E-01	3.671E+02	7.867E+06	-2.303E-03	2.210E-07
306	3	90.50	1	6.391E+01	-5.784E+04	3.340E+00	1.718E-01	2.160E+02	5.272E+06	-2.653E-03	2.389E-07
306	4	135.75	1	6.502E+01	-5.884E+04	3.340E+00	1.718E-01	6.485E+01	2.633E+06	-1.673E-03	1.374E-07
306	5	181.00	1	6.613E+01	-5.985E+04	3.340E+00	1.718E-01	-8.627E+01	-5.293E+04	-4.527E-10	1.781E-14
307	1	0.00	1	2.899E-12	1.534E+03	7.668E-13	1.604E-15	1.770E-10	-5.293E+04	0.000E+00	0.000E+00
307	2	17.25	1	2.899E-12	1.151E+03	7.668E-13	1.604E-15	1.638E-10	-2.977E+04	-1.210E-05	0.000E+00
307	3	34.50	1	2.899E-12	7.671E+02	7.668E-13	1.604E-15	1.505E-10	-1.323E+04	-1.648E-05	0.000E+00
307	4	51.75	1	2.899E-12	3.836E+02	7.668E-13	1.604E-15	1.373E-10	-3.308E+03	-1.256E-05	0.000E+00
307	5	69.00	1	2.899E-12	3.619E-10	7.668E-13	1.604E-15	1.241E-10	-8.700E-08	4.930E-13	0.000E+00
308	1	0.00	1	1.560E-11	1.534E+03	2.129E-13	-1.936E-16	-3.458E-08	-5.293E+04	0.000E+00	0.000E+00

308	2	17.25	1	1.560E-11	1.151E+03	2.129E-13	-1.936E-16	-3.459E-08	-2.977E+04	-1.210E-05	-4.104E-18
308	3	34.50	1	1.560E-11	7.671E+02	2.129E-13	-1.936E-16	-3.459E-08	-1.323E+04	-1.648E-05	-5.473E-18
308	4	51.75	1	1.560E-11	3.836E+02	2.129E-13	-1.936E-16	-3.459E-08	-3.308E+03	-1.256E-05	-4.105E-18
308	5	69.00	1	1.560E-11	1.580E-09	2.129E-13	-1.936E-16	-3.460E-08	2.953E-07	4.930E-13	-2.474E-25
309	1	0.00	1	-7.884E-12	-6.629E-11	3.083E-12	0.000E+00	-1.245E-10	8.300E-08	0.000E+00	0.000E+00
309	2	17.25	1	-7.884E-12	-3.836E+02	3.083E-12	0.000E+00	-1.777E-10	-3.308E+03	-1.256E-05	0.000E+00
309	3	34.50	1	-7.884E-12	-7.671E+02	3.083E-12	0.000E+00	-2.309E-10	-1.323E+04	-1.648E-05	0.000E+00
309	4	51.75	1	-7.884E-12	-1.151E+03	3.083E-12	0.000E+00	-2.841E-10	-2.977E+04	-1.210E-05	0.000E+00
309	5	69.00	1	-7.884E-12	-1.534E+03	3.083E-12	0.000E+00	-3.373E-10	-5.293E+04	9.749E-15	0.000E+00
310	1	0.00	1	-1.791E-12	-1.245E-11	-1.754E-12	0.000E+00	-5.542E-10	6.572E-08	0.000E+00	0.000E+00
310	2	17.25	1	-1.791E-12	-3.836E+02	-1.754E-12	0.000E+00	-5.239E-10	-3.308E+03	-1.256E-05	0.000E+00
310	3	34.50	1	-1.791E-12	-7.671E+02	-1.754E-12	0.000E+00	-4.937E-10	-1.323E+04	-1.648E-05	0.000E+00
310	4	51.75	1	-1.791E-12	-1.151E+03	-1.754E-12	0.000E+00	-4.634E-10	-2.977E+04	-1.210E-05	0.000E+00
310	5	69.00	1	-1.791E-12	-1.534E+03	-1.754E-12	0.000E+00	-4.332E-10	-5.293E+04	9.754E-15	0.000E+00
311	1	0.00	1	-6.613E+01	5.985E+04	-3.661E+00	1.718E-01	-8.539E+01	-5.293E+04	0.000E+00	0.000E+00
311	2	45.25	1	-6.502E+01	5.884E+04	-3.661E+00	1.718E-01	8.025E+01	2.633E+06	-1.673E-03	1.582E-07
311	3	90.50	1	-6.391E+01	5.784E+04	-3.661E+00	1.718E-01	2.459E+02	5.272E+06	-2.653E-03	2.720E-07
311	4	135.75	1	-6.280E+01	5.683E+04	-3.661E+00	1.718E-01	4.115E+02	7.867E+06	-2.303E-03	2.498E-07
311	5	181.00	1	-6.169E+01	5.583E+04	-3.661E+00	1.718E-01	5.772E+02	1.042E+07	-5.452E-11	-1.180E-14
312	1	0.00	1	-6.613E+01	5.985E+04	3.661E+00	-1.718E-01	8.539E+01	-5.293E+04	0.000E+00	0.000E+00
312	2	45.25	1	-6.502E+01	5.884E+04	3.661E+00	-1.718E-01	-8.025E+01	2.633E+06	-1.673E-03	-1.582E-07
312	3	90.50	1	-6.391E+01	5.784E+04	3.661E+00	-1.718E-01	-2.459E+02	5.272E+06	-2.653E-03	-2.720E-07
312	4	135.75	1	-6.280E+01	5.683E+04	3.661E+00	-1.718E-01	-4.115E+02	7.867E+06	-2.303E-03	-2.498E-07
312	5	181.00	1	-6.169E+01	5.583E+04	3.661E+00	-1.718E-01	-5.772E+02	1.042E+07	-5.452E-11	1.181E-14
313	1	0.00	1	-4.410E+01	4.489E+04	1.129E+00	2.830E-02	5.035E+02	1.042E+07	0.000E+00	0.000E+00
313	2	127.25	1	-4.132E+01	4.206E+04	1.129E+00	2.830E-02	3.598E+02	1.595E+07	-5.586E-02	1.732E-06
313	3	254.50	1	-3.854E+01	3.923E+04	1.129E+00	2.830E-02	2.161E+02	2.112E+07	-8.093E-02	1.890E-06
313	4	381.75	1	-3.576E+01	3.640E+04	1.129E+00	2.830E-02	7.237E+01	2.593E+07	-6.537E-02	1.103E-06
313	5	509.00	1	-3.298E+01	3.357E+04	1.129E+00	2.830E-02	-7.132E+01	3.039E+07	-6.471E-10	-4.126E-13
314	1	0.00	1	-4.410E+01	4.489E+04	-1.129E+00	-2.830E-02	-5.035E+02	1.042E+07	0.000E+00	0.000E+00
314	2	127.25	1	-4.132E+01	4.206E+04	-1.129E+00	-2.830E-02	-3.598E+02	1.595E+07	-5.586E-02	-1.732E-06
314	3	254.50	1	-3.854E+01	3.923E+04	-1.129E+00	-2.830E-02	-2.161E+02	2.112E+07	-8.093E-02	-1.890E-06
314	4	381.75	1	-3.576E+01	3.640E+04	-1.129E+00	-2.830E-02	-7.237E+01	2.593E+07	-6.537E-02	-1.103E-06
314	5	509.00	1	-3.298E+01	3.357E+04	-1.129E+00	-2.830E-02	7.132E+01	3.039E+07	-6.471E-10	4.131E-13
315	1	0.00	1	-1.893E+01	1.931E+04	2.974E+00	1.412E-02	-1.612E+02	3.039E+07	0.000E+00	0.000E+00
315	2	127.50	1	-1.615E+01	1.647E+04	2.974E+00	1.412E-02	-5.403E+02	3.267E+07	-9.780E-02	-5.224E-06
315	3	255.00	1	-1.337E+01	1.364E+04	2.974E+00	1.412E-02	-9.195E+02	3.459E+07	-1.327E-01	-8.075E-06
315	4	382.50	1	-1.059E+01	1.080E+04	2.974E+00	1.412E-02	-1.299E+03	3.614E+07	-1.011E-01	-6.889E-06
315	5	510.00	1	-7.811E+00	7.967E+03	2.974E+00	1.412E-02	-1.678E+03	3.734E+07	-1.746E-09	-3.347E-13
316	1	0.00	1	-1.893E+01	1.931E+04	-2.974E+00	-1.412E-02	1.612E+02	3.039E+07	0.000E+00	0.000E+00
316	2	127.50	1	-1.615E+01	1.647E+04	-2.974E+00	-1.412E-02	5.403E+02	3.267E+07	-9.780E-02	5.224E-06
316	3	255.00	1	-1.337E+01	1.364E+04	-2.974E+00	-1.412E-02	9.195E+02	3.459E+07	-1.327E-01	8.075E-06
316	4	382.50	1	-1.059E+01	1.080E+04	-2.974E+00	-1.412E-02	1.299E+03	3.614E+07	-1.011E-01	6.889E-06
316	5	510.00	1	-7.811E+00	7.967E+03	-2.974E+00	-1.412E-02	1.678E+03	3.734E+07	-1.746E-09	3.349E-13
317	1	0.00	1	7.811E+00	-7.967E+03	-5.871E+01	-1.412E-02	-1.800E+03	3.734E+07	0.000E+00	0.000E+00
317	2	127.50	1	1.059E+01	-1.080E+04	-5.871E+01	-1.412E-02	5.686E+03	3.614E+07	-1.011E-01	7.032E-05
317	3	255.00	1	1.337E+01	-1.364E+04	-5.871E+01	-1.412E-02	1.317E+04	3.459E+07	-1.327E-01	1.157E-04
317	4	382.50	1	1.615E+01	-1.647E+04	-5.871E+01	-1.412E-02	2.066E+04	3.267E+07	-9.780E-02	1.032E-04
317	5	510.00	1	1.893E+01	-1.931E+04	-5.871E+01	-1.412E-02	2.814E+04	3.039E+07	2.433E-09	7.026E-13
318	1	0.00	1	7.811E+00	-7.967E+03	5.871E+01	1.412E-02	1.800E+03	3.734E+07	0.000E+00	0.000E+00
318	2	127.50	1	1.059E+01	-1.080E+04	5.871E+01	1.412E-02	-5.686E+03	3.614E+07	-1.011E-01	-7.032E-05
318	3	255.00	1	1.337E+01	-1.364E+04	5.871E+01	1.412E-02	-1.317E+04	3.459E+07	-1.327E-01	-1.157E-04
318	4	382.50	1	1.615E+01	-1.647E+04	5.871E+01	1.412E-02	-2.066E+04	3.267E+07	-9.780E-02	-1.032E-04
318	5	510.00	1	1.893E+01	-1.931E+04	5.871E+01	1.412E-02	-2.814E+04	3.039E+07	2.433E-09	-7.027E-13
319	1	0.00	1	3.298E+01	-3.357E+04	4.861E+02	-2.831E-02	2.834E+04	3.039E+07	0.000E+00	0.000E+00
319	2	127.25	1	3.576E+01	-3.640E+04	4.861E+02	-2.831E-02	-3.352E+04	2.593E+07	-6.537E-02	-4.905E-04
319	3	254.50	1	3.854E+01	-3.923E+04	4.861E+02	-2.831E-02	-9.538E+04	2.112E+07	-8.093E-02	-8.343E-04
319	4	381.75	1	4.132E+01	-4.206E+04	4.861E+02	-2.831E-02	-1.572E+05	1.595E+07	-5.586E-02	-7.610E-04
319	5	509.00	1	4.410E+01	-4.489E+04	4.861E+02	-2.831E-02	-2.191E+05	1.042E+07	-1.329E-08	-5.420E-12
320	1	0.00	1	3.298E+01	-3.357E+04	-4.861E+02	2.831E-02	-2.834E+04	3.039E+07	0.000E+00	0.000E+00
320	2	127.25	1	3.576E+01	-3.640E+04	-4.861E+02	2.831E-02	3.352E+04	2.593E+07	-6.537E-02	4.905E-04
320	3	254.50	1	3.854E+01	-3.923E+04	-4.861E+02	2.831E-02	9.538E+04	2.112E+07	-8.093E-02	8.343E-04

320	4	381.75	1	4.132E+01	-4.206E+04	-4.861E+02	2.831E-02	1.572E+05	1.595E+07	-5.586E-02	7.610E-04
320	5	509.00	1	4.410E+01	-4.489E+04	-4.861E+02	2.831E-02	2.191E+05	1.042E+07	-1.329E-08	5.419E-12
321	1	0.00	1	6.169E+01	-5.583E+04	-1.277E+03	-1.718E-01	-2.211E+05	1.042E+07	0.000E+00	0.000E+00
321	2	45.25	1	6.280E+01	-5.683E+04	-1.277E+03	-1.718E-01	-1.633E+05	7.867E+06	-2.303E-03	-1.035E-04
321	3	90.50	1	6.391E+01	-5.784E+04	-1.277E+03	-1.718E-01	-1.056E+05	5.272E+06	-2.653E-03	-1.168E-04
321	4	135.75	1	6.502E+01	-5.884E+04	-1.277E+03	-1.718E-01	-4.778E+04	2.633E+06	-1.673E-03	-7.159E-05
321	5	181.00	1	6.613E+01	-5.985E+04	-1.277E+03	-1.718E-01	9.999E+03	-5.293E+04	-8.975E-10	2.885E-11
322	1	0.00	1	6.169E+01	-5.583E+04	1.277E+03	1.718E-01	2.211E+05	1.042E+07	0.000E+00	0.000E+00
322	2	45.25	1	6.280E+01	-5.683E+04	1.277E+03	1.718E-01	1.633E+05	7.867E+06	-2.303E-03	1.035E-04
322	3	90.50	1	6.391E+01	-5.784E+04	1.277E+03	1.718E-01	1.056E+05	5.272E+06	-2.653E-03	1.168E-04
322	4	135.75	1	6.502E+01	-5.884E+04	1.277E+03	1.718E-01	4.778E+04	2.633E+06	-1.673E-03	7.159E-05
322	5	181.00	1	6.613E+01	-5.985E+04	1.277E+03	1.718E-01	-9.999E+03	-5.293E+04	-8.975E-10	-2.885E-11
323	1	0.00	1	-2.224E+00	1.534E+03	-1.906E-10	-3.247E-12	-1.864E-09	-5.293E+04	0.000E+00	0.000E+00
323	2	17.25	1	-1.668E+00	1.151E+03	-1.906E-10	-3.247E-12	1.424E-09	-2.977E+04	-1.210E-05	4.306E-19
323	3	34.50	1	-1.112E+00	7.671E+02	-1.906E-10	-3.247E-12	4.711E-09	-1.323E+04	-1.648E-05	7.292E-19
323	4	51.75	1	-5.559E-01	3.836E+02	-1.906E-10	-3.247E-12	7.999E-09	-3.308E+03	-1.256E-05	6.632E-19
323	5	69.00	1	9.003E-11	9.959E-11	-1.906E-10	-3.247E-12	1.129E-08	-1.162E-07	2.092E-13	-7.094E-26
324	1	0.00	1	-2.224E+00	1.534E+03	1.003E-10	3.158E-11	-2.048E-09	-5.293E+04	0.000E+00	0.000E+00
324	2	17.25	1	-1.668E+00	1.151E+03	1.003E-10	3.158E-11	-3.779E-09	-2.977E+04	-1.210E-05	-5.572E-19
324	3	34.50	1	-1.112E+00	7.671E+02	1.003E-10	3.158E-11	-5.509E-09	-1.323E+04	-1.648E-05	-8.189E-19
324	4	51.75	1	-5.559E-01	3.836E+02	1.003E-10	3.158E-11	-7.239E-09	-3.308E+03	-1.256E-05	-6.712E-19
324	5	69.00	1	1.229E-10	-2.264E-10	1.003E-10	3.158E-11	-8.969E-09	1.152E-07	2.092E-13	2.452E-26
325	1	0.00	1	2.514E-12	1.483E-11	7.319E-13	9.526E-16	4.939E-11	3.679E-08	0.000E+00	0.000E+00
325	2	17.25	1	5.559E-01	-3.836E+02	7.319E-13	9.526E-16	3.676E-11	-3.308E+03	-1.256E-05	0.000E+00
325	3	34.50	1	1.112E+00	-7.671E+02	7.319E-13	9.526E-16	2.414E-11	-1.323E+04	-1.648E-05	0.000E+00
325	4	51.75	1	1.668E+00	-1.151E+03	7.319E-13	9.526E-16	1.151E-11	-2.977E+04	-1.210E-05	0.000E+00
325	5	69.00	1	2.224E+00	-1.534E+03	7.319E-13	9.526E-16	-1.113E-12	-5.293E+04	-1.808E-14	0.000E+00
326	1	0.00	1	3.847E-12	-1.924E-10	-4.757E-12	1.075E-15	-5.448E-11	1.793E-08	0.000E+00	0.000E+00
326	2	17.25	1	5.559E-01	-3.836E+02	-4.757E-12	1.075E-15	2.758E-11	-3.308E+03	-1.256E-05	0.000E+00
326	3	34.50	1	1.112E+00	-7.671E+02	-4.757E-12	1.075E-15	1.096E-10	-1.323E+04	-1.648E-05	0.000E+00
326	4	51.75	1	1.668E+00	-1.151E+03	-4.757E-12	1.075E-15	1.917E-10	-2.977E+04	-1.210E-05	0.000E+00
326	5	69.00	1	2.224E+00	-1.534E+03	-4.757E-12	1.075E-15	2.738E-10	-5.293E+04	-1.808E-14	0.000E+00
327	1	0.00	1	-6.613E+01	5.985E+04	1.297E+03	1.718E-01	1.003E+04	-5.293E+04	0.000E+00	0.000E+00
327	2	45.25	1	-6.502E+01	5.884E+04	1.297E+03	1.718E-01	-4.863E+04	2.633E+06	-1.673E-03	-7.279E-05
327	3	90.50	1	-6.391E+01	5.784E+04	1.297E+03	1.718E-01	-1.073E+05	5.272E+06	-2.653E-03	-1.187E-04
327	4	135.75	1	-6.280E+01	5.683E+04	1.297E+03	1.718E-01	-1.660E+05	7.867E+06	-2.303E-03	-1.052E-04
327	5	181.00	1	-6.169E+01	5.583E+04	1.297E+03	1.718E-01	-2.246E+05	1.042E+07	-1.628E-10	-2.095E-12
328	1	0.00	1	-6.613E+01	5.985E+04	-1.297E+03	-1.718E-01	-1.003E+04	-5.293E+04	0.000E+00	0.000E+00
328	2	45.25	1	-6.502E+01	5.884E+04	-1.297E+03	-1.718E-01	4.863E+04	2.633E+06	-1.673E-03	7.279E-05
328	3	90.50	1	-6.391E+01	5.784E+04	-1.297E+03	-1.718E-01	1.073E+05	5.272E+06	-2.653E-03	1.187E-04
328	4	135.75	1	-6.280E+01	5.683E+04	-1.297E+03	-1.718E-01	1.660E+05	7.867E+06	-2.303E-03	1.052E-04
328	5	181.00	1	-6.169E+01	5.583E+04	-1.297E+03	-1.718E-01	2.246E+05	1.042E+07	-1.628E-10	2.095E-12
329	1	0.00	1	-4.410E+01	4.489E+04	-4.944E+02	2.830E-02	-2.227E+05	1.042E+07	0.000E+00	0.000E+00
329	2	127.25	1	-4.132E+01	4.206E+04	-4.944E+02	2.830E-02	-1.598E+05	1.595E+07	-5.586E-02	-7.734E-04
329	3	254.50	1	-3.854E+01	3.923E+04	-4.944E+02	2.830E-02	-9.691E+04	2.112E+07	-8.093E-02	-8.477E-04
329	4	381.75	1	-3.576E+01	3.640E+04	-4.944E+02	2.830E-02	-3.400E+04	2.593E+07	-6.537E-02	-4.982E-04
329	5	509.00	1	-3.298E+01	3.357E+04	-4.944E+02	2.830E-02	2.891E+04	3.039E+07	-1.285E-09	-9.651E-11
330	1	0.00	1	-4.410E+01	4.489E+04	4.944E+02	-2.830E-02	2.227E+05	1.042E+07	0.000E+00	0.000E+00
330	2	127.25	1	-4.132E+01	4.206E+04	4.944E+02	-2.830E-02	1.598E+05	1.595E+07	-5.586E-02	7.734E-04
330	3	254.50	1	-3.854E+01	3.923E+04	4.944E+02	-2.830E-02	9.691E+04	2.112E+07	-8.093E-02	8.477E-04
330	4	381.75	1	-3.576E+01	3.640E+04	4.944E+02	-2.830E-02	3.400E+04	2.593E+07	-6.537E-02	4.982E-04
330	5	509.00	1	-3.298E+01	3.357E+04	4.944E+02	-2.830E-02	-2.891E+04	3.039E+07	-1.285E-09	9.651E-11
331	1	0.00	1	-1.893E+01	1.931E+04	5.934E+01	1.412E-02	2.853E+04	3.039E+07	0.000E+00	0.000E+00
331	2	127.50	1	-1.615E+01	1.647E+04	5.934E+01	1.412E-02	2.096E+04	3.267E+07	-9.780E-02	1.049E-04
331	3	255.00	1	-1.337E+01	1.364E+04	5.934E+01	1.412E-02	1.340E+04	3.459E+07	-1.327E-01	1.177E-04
331	4	382.50	1	-1.059E+01	1.080E+04	5.934E+01	1.412E-02	5.831E+03	3.614E+07	-1.011E-01	7.163E-05
331	5	510.00	1	-7.811E+00	7.967E+03	5.934E+01	1.412E-02	-1.736E+03	3.734E+07	-1.517E-09	-3.549E-12
332	1	0.00	1	-1.893E+01	1.931E+04	-5.934E+01	-1.412E-02	-2.853E+04	3.039E+07	0.000E+00	0.000E+00
332	2	127.50	1	-1.615E+01	1.647E+04	-5.934E+01	-1.412E-02	-2.096E+04	3.267E+07	-9.780E-02	-1.049E-04
332	3	255.00	1	-1.337E+01	1.364E+04	-5.934E+01	-1.412E-02	-1.340E+04	3.459E+07	-1.327E-01	-1.177E-04
332	4	382.50	1	-1.059E+01	1.080E+04	-5.934E+01	-1.412E-02	-5.831E+03	3.614E+07	-1.011E-01	-7.163E-05
332	5	510.00	1	-7.811E+00	7.967E+03	-5.934E+01	-1.412E-02	1.736E+03	3.734E+07	-1.517E-09	3.549E-12

333	1	0.00	1	7.811E+00	-7.967E+03	-3.636E+00	-1.412E-02	-1.815E+03	3.734E+07	0.000E+00	0.000E+00
333	2	127.50	1	1.059E+01	-1.080E+04	-3.636E+00	-1.412E-02	-1.351E+03	3.614E+07	-1.011E-01	-6.865E-06
333	3	255.00	1	1.337E+01	-1.364E+04	-3.636E+00	-1.412E-02	-8.877E+02	3.459E+07	-1.327E-01	-7.796E-06
333	4	382.50	1	1.615E+01	-1.647E+04	-3.636E+00	-1.412E-02	-4.241E+02	3.267E+07	-9.780E-02	-4.829E-06
333	5	510.00	1	1.893E+01	-1.931E+04	-3.636E+00	-1.412E-02	3.950E+01	3.039E+07	2.324E-09	5.607E-13
334	1	0.00	1	7.811E+00	-7.967E+03	3.636E+00	1.412E-02	1.815E+03	3.734E+07	0.000E+00	0.000E+00
334	2	127.50	1	1.059E+01	-1.080E+04	3.636E+00	1.412E-02	1.351E+03	3.614E+07	-1.011E-01	6.865E-06
334	3	255.00	1	1.337E+01	-1.364E+04	3.636E+00	1.412E-02	8.877E+02	3.459E+07	-1.327E-01	7.796E-06
334	4	382.50	1	1.615E+01	-1.647E+04	3.636E+00	1.412E-02	4.241E+02	3.267E+07	-9.780E-02	4.829E-06
334	5	510.00	1	1.893E+01	-1.931E+04	3.636E+00	1.412E-02	-3.950E+01	3.039E+07	2.324E-09	-5.607E-13
335	1	0.00	1	3.298E+01	-3.357E+04	7.738E-01	-2.830E-02	-5.011E+01	3.039E+07	0.000E+00	0.000E+00
335	2	127.25	1	3.576E+01	-3.640E+04	7.738E-01	-2.830E-02	-1.486E+02	2.593E+07	-6.537E-02	-1.405E-06
335	3	254.50	1	3.854E+01	-3.923E+04	7.738E-01	-2.830E-02	-2.470E+02	2.112E+07	-8.093E-02	-2.161E-06
335	4	381.75	1	4.132E+01	-4.206E+04	7.738E-01	-2.830E-02	-3.455E+02	1.595E+07	-5.586E-02	-1.836E-06
335	5	509.00	1	4.410E+01	-4.489E+04	7.738E-01	-2.830E-02	-4.440E+02	1.042E+07	-1.374E-08	2.557E-13
336	1	0.00	1	3.298E+01	-3.357E+04	-7.738E-01	2.830E-02	5.011E+01	3.039E+07	0.000E+00	0.000E+00
336	2	127.25	1	3.576E+01	-3.640E+04	-7.738E-01	2.830E-02	1.486E+02	2.593E+07	-6.537E-02	1.405E-06
336	3	254.50	1	3.854E+01	-3.923E+04	-7.738E-01	2.830E-02	2.470E+02	2.112E+07	-8.093E-02	2.161E-06
336	4	381.75	1	4.132E+01	-4.206E+04	-7.738E-01	2.830E-02	3.455E+02	1.595E+07	-5.586E-02	1.836E-06
336	5	509.00	1	4.410E+01	-4.489E+04	-7.738E-01	2.830E-02	4.440E+02	1.042E+07	-1.374E-08	-2.558E-13
337	1	0.00	1	6.169E+01	-5.583E+04	-3.340E+00	-1.718E-01	-5.182E+02	1.042E+07	0.000E+00	0.000E+00
337	2	45.25	1	6.280E+01	-5.683E+04	-3.340E+00	-1.718E-01	-3.671E+02	7.867E+06	-2.303E-03	-2.210E-07
337	3	90.50	1	6.391E+01	-5.784E+04	-3.340E+00	-1.718E-01	-2.160E+02	5.272E+06	-2.653E-03	-2.389E-07
337	4	135.75	1	6.502E+01	-5.884E+04	-3.340E+00	-1.718E-01	-6.485E+01	2.633E+06	-1.673E-03	-1.374E-07
337	5	181.00	1	6.613E+01	-5.985E+04	-3.340E+00	-1.718E-01	8.627E+01	-5.293E+04	-4.527E-10	-1.789E-14
338	1	0.00	1	6.169E+01	-5.583E+04	3.340E+00	1.718E-01	5.182E+02	1.042E+07	0.000E+00	0.000E+00
338	2	45.25	1	6.280E+01	-5.683E+04	3.340E+00	1.718E-01	3.671E+02	7.867E+06	-2.303E-03	2.210E-07
338	3	90.50	1	6.391E+01	-5.784E+04	3.340E+00	1.718E-01	2.160E+02	5.272E+06	-2.653E-03	2.389E-07
338	4	135.75	1	6.502E+01	-5.884E+04	3.340E+00	1.718E-01	6.485E+01	2.633E+06	-1.673E-03	1.374E-07
338	5	181.00	1	6.613E+01	-5.985E+04	3.340E+00	1.718E-01	-8.627E+01	-5.293E+04	-4.527E-10	1.787E-14
339	1	0.00	1	-2.535E-12	1.534E+03	-8.107E-12	5.876E-16	-2.838E-10	-5.293E+04	0.000E+00	0.000E+00
339	2	17.25	1	-2.535E-12	1.151E+03	-8.107E-12	5.876E-16	-1.440E-10	-2.977E+04	-1.210E-05	0.000E+00
339	3	34.50	1	-2.535E-12	7.671E+02	-8.107E-12	5.876E-16	-4.142E-12	-1.323E+04	-1.648E-05	0.000E+00
339	4	51.75	1	-2.535E-12	3.836E+02	-8.107E-12	5.876E-16	1.357E-10	-3.308E+03	-1.256E-05	0.000E+00
339	5	69.00	1	-2.535E-12	-1.150E-09	-8.107E-12	5.876E-16	2.755E-10	-7.019E-08	4.930E-13	0.000E+00
340	1	0.00	1	-4.263E-13	1.534E+03	-1.792E-11	2.117E-15	-1.160E-09	-5.293E+04	0.000E+00	0.000E+00
340	2	17.25	1	-4.263E-13	1.151E+03	-1.792E-11	2.117E-15	-8.505E-10	-2.977E+04	-1.210E-05	0.000E+00
340	3	34.50	1	-4.263E-13	7.671E+02	-1.792E-11	2.117E-15	-5.413E-10	-1.323E+04	-1.648E-05	0.000E+00
340	4	51.75	1	-4.263E-13	3.836E+02	-1.792E-11	2.117E-15	-2.321E-10	-3.308E+03	-1.256E-05	0.000E+00
340	5	69.00	1	-4.263E-13	9.118E-10	-1.792E-11	2.117E-15	7.709E-11	1.006E-07	4.930E-13	0.000E+00
341	1	0.00	1	-1.657E-10	7.213E-11	1.363E-14	0.000E+00	-3.809E-13	1.047E-07	0.000E+00	0.000E+00
341	2	17.25	1	-1.657E-10	-3.836E+02	1.363E-14	0.000E+00	-6.160E-13	-3.308E+03	-1.256E-05	0.000E+00
341	3	34.50	1	-1.657E-10	-7.671E+02	1.363E-14	0.000E+00	-8.512E-13	-1.323E+04	-1.648E-05	0.000E+00
341	4	51.75	1	-1.657E-10	-1.151E+03	1.363E-14	0.000E+00	-1.086E-12	-2.977E+04	-1.210E-05	0.000E+00
341	5	69.00	1	-1.657E-10	-1.534E+03	1.363E-14	0.000E+00	-1.322E-12	-5.293E+04	9.748E-15	0.000E+00
342	1	0.00	1	-1.010E-10	2.542E-10	-9.948E-15	0.000E+00	4.718E-13	9.869E-08	0.000E+00	0.000E+00
342	2	17.25	1	-1.010E-10	-3.836E+02	-9.948E-15	0.000E+00	6.434E-13	-3.308E+03	-1.256E-05	0.000E+00
342	3	34.50	1	-1.010E-10	-7.671E+02	-9.948E-15	0.000E+00	8.150E-13	-1.323E+04	-1.648E-05	0.000E+00
342	4	51.75	1	-1.010E-10	-1.151E+03	-9.948E-15	0.000E+00	9.866E-13	-2.977E+04	-1.210E-05	0.000E+00
342	5	69.00	1	-1.010E-10	-1.534E+03	-9.948E-15	0.000E+00	1.158E-12	-5.293E+04	9.738E-15	0.000E+00
343	1	0.00	1	-6.613E+01	5.985E+04	-3.501E+00	1.718E-01	-8.583E+01	-5.293E+04	0.000E+00	0.000E+00
343	2	45.25	1	-6.502E+01	5.884E+04	-3.501E+00	1.718E-01	7.257E+01	2.633E+06	-1.673E-03	1.478E-07
343	3	90.50	1	-6.391E+01	5.784E+04	-3.501E+00	1.718E-01	2.310E+02	5.272E+06	-2.653E-03	2.555E-07
343	4	135.75	1	-6.280E+01	5.683E+04	-3.501E+00	1.718E-01	3.894E+02	7.867E+06	-2.303E-03	2.354E-07
343	5	181.00	1	-6.169E+01	5.583E+04	-3.501E+00	1.718E-01	5.478E+02	1.042E+07	-5.452E-11	-7.347E-15
344	1	0.00	1	-6.613E+01	5.985E+04	3.501E+00	-1.718E-01	8.583E+01	-5.293E+04	0.000E+00	0.000E+00
344	2	45.25	1	-6.502E+01	5.884E+04	3.501E+00	-1.718E-01	-7.257E+01	2.633E+06	-1.673E-03	-1.478E-07
344	3	90.50	1	-6.391E+01	5.784E+04	3.501E+00	-1.718E-01	-2.310E+02	5.272E+06	-2.653E-03	-2.555E-07
344	4	135.75	1	-6.280E+01	5.683E+04	3.501E+00	-1.718E-01	-3.894E+02	7.867E+06	-2.303E-03	-2.354E-07
344	5	181.00	1	-6.169E+01	5.583E+04	3.501E+00	-1.718E-01	-5.478E+02	1.042E+07	-5.452E-11	7.357E-15
345	1	0.00	1	-4.410E+01	4.489E+04	9.521E-01	2.830E-02	4.738E+02	1.042E+07	0.000E+00	0.000E+00
345	2	127.25	1	-4.132E+01	4.206E+04	9.521E-01	2.830E-02	3.527E+02	1.595E+07	-5.586E-02	1.784E-06

345	3	254.50	1	-3.854E+01	3.923E+04	9.521E-01	2.830E-02	2.315E+02	2.112E+07	-8.093E-02	2.025E-06
345	4	381.75	1	-3.576E+01	3.640E+04	9.521E-01	2.830E-02	1.104E+02	2.593E+07	-6.537E-02	1.254E-06
345	5	509.00	1	-3.298E+01	3.357E+04	9.521E-01	2.830E-02	-1.080E+01	3.039E+07	-6.471E-10	-1.725E-13
346	1	0.00	1	-4.410E+01	4.489E+04	-9.521E-01	-2.830E-02	-4.738E+02	1.042E+07	0.000E+00	0.000E+00
346	2	127.25	1	-4.132E+01	4.206E+04	-9.521E-01	-2.830E-02	-3.527E+02	1.595E+07	-5.586E-02	-1.784E-06
346	3	254.50	1	-3.854E+01	3.923E+04	-9.521E-01	-2.830E-02	-2.315E+02	2.112E+07	-8.093E-02	-2.025E-06
346	4	381.75	1	-3.576E+01	3.640E+04	-9.521E-01	-2.830E-02	-1.104E+02	2.593E+07	-6.537E-02	-1.254E-06
346	5	509.00	1	-3.298E+01	3.357E+04	-9.521E-01	-2.830E-02	1.080E+01	3.039E+07	-6.471E-10	1.726E-13
347	1	0.00	1	-1.893E+01	1.931E+04	-3.208E-01	1.412E-02	-1.005E+02	3.039E+07	0.000E+00	0.000E+00
347	2	127.50	1	-1.615E+01	1.647E+04	-3.208E-01	1.412E-02	-5.962E+01	3.267E+07	-9.780E-02	-2.131E-07
347	3	255.00	1	-1.337E+01	1.364E+04	-3.208E-01	1.412E-02	-1.871E+01	3.459E+07	-1.327E-01	-1.643E-07
347	4	382.50	1	-1.059E+01	1.080E+04	-3.208E-01	1.412E-02	2.219E+01	3.614E+07	-1.011E-01	-3.344E-08
347	5	510.00	1	-7.811E+00	7.967E+03	-3.208E-01	1.412E-02	6.309E+01	3.734E+07	-1.746E-09	7.530E-14
348	1	0.00	1	-1.893E+01	1.931E+04	3.208E-01	-1.412E-02	1.005E+02	3.039E+07	0.000E+00	0.000E+00
348	2	127.50	1	-1.615E+01	1.647E+04	3.208E-01	-1.412E-02	5.962E+01	3.267E+07	-9.780E-02	2.131E-07
348	3	255.00	1	-1.337E+01	1.364E+04	3.208E-01	-1.412E-02	1.871E+01	3.459E+07	-1.327E-01	1.643E-07
348	4	382.50	1	-1.059E+01	1.080E+04	3.208E-01	-1.412E-02	-2.219E+01	3.614E+07	-1.011E-01	3.344E-08
348	5	510.00	1	-7.811E+00	7.967E+03	3.208E-01	-1.412E-02	-6.309E+01	3.734E+07	-1.746E-09	-7.520E-14
349	1	0.00	1	7.811E+00	-7.967E+03	1.307E-01	-1.412E-02	-3.764E+01	3.734E+07	0.000E+00	0.000E+00
349	2	127.50	1	1.059E+01	-1.080E+04	1.307E-01	-1.412E-02	-5.430E+01	3.614E+07	-1.011E-01	-4.308E-07
349	3	255.00	1	1.337E+01	-1.364E+04	1.307E-01	-1.412E-02	-7.096E+01	3.459E+07	-1.327E-01	-6.232E-07
349	4	382.50	1	1.615E+01	-1.647E+04	1.307E-01	-1.412E-02	-8.763E+01	3.267E+07	-9.780E-02	-5.040E-07
349	5	510.00	1	1.893E+01	-1.931E+04	1.307E-01	-1.412E-02	-1.043E+02	3.039E+07	2.433E-09	-1.316E-13
350	1	0.00	1	7.811E+00	-7.967E+03	-1.307E-01	1.412E-02	3.764E+01	3.734E+07	0.000E+00	0.000E+00
350	2	127.50	1	1.059E+01	-1.080E+04	-1.307E-01	1.412E-02	5.430E+01	3.614E+07	-1.011E-01	4.308E-07
350	3	255.00	1	1.337E+01	-1.364E+04	-1.307E-01	1.412E-02	7.096E+01	3.459E+07	-1.327E-01	6.232E-07
350	4	382.50	1	1.615E+01	-1.647E+04	-1.307E-01	1.412E-02	8.763E+01	3.267E+07	-9.780E-02	5.040E-07
350	5	510.00	1	1.893E+01	-1.931E+04	-1.307E-01	1.412E-02	1.043E+02	3.039E+07	2.433E-09	1.317E-13
351	1	0.00	1	3.298E+01	-3.357E+04	-2.598E+00	-2.830E-02	-1.961E+02	3.039E+07	0.000E+00	0.000E+00
351	2	127.25	1	3.576E+01	-3.640E+04	-2.598E+00	-2.830E-02	1.344E+02	2.593E+07	-6.537E-02	2.328E-06
351	3	254.50	1	3.854E+01	-3.923E+04	-2.598E+00	-2.830E-02	4.650E+02	2.112E+07	-8.093E-02	4.067E-06
351	4	381.75	1	4.132E+01	-4.206E+04	-2.598E+00	-2.830E-02	7.955E+02	1.595E+07	-5.586E-02	3.773E-06
351	5	509.00	1	4.410E+01	-4.489E+04	-2.598E+00	-2.830E-02	1.126E+03	1.042E+07	-1.329E-08	7.492E-14
352	1	0.00	1	3.298E+01	-3.357E+04	2.598E+00	2.830E-02	1.961E+02	3.039E+07	0.000E+00	0.000E+00
352	2	127.25	1	3.576E+01	-3.640E+04	2.598E+00	2.830E-02	-1.344E+02	2.593E+07	-6.537E-02	-2.328E-06
352	3	254.50	1	3.854E+01	-3.923E+04	2.598E+00	2.830E-02	-4.650E+02	2.112E+07	-8.093E-02	-4.067E-06
352	4	381.75	1	4.132E+01	-4.206E+04	2.598E+00	2.830E-02	-7.955E+02	1.595E+07	-5.586E-02	-3.773E-06
352	5	509.00	1	4.410E+01	-4.489E+04	2.598E+00	2.830E-02	-1.126E+03	1.042E+07	-1.329E-08	-7.484E-14
353	1	0.00	1	6.169E+01	-5.583E+04	5.818E+00	-1.718E-01	1.066E+03	1.042E+07	0.000E+00	0.000E+00
353	2	45.25	1	6.280E+01	-5.683E+04	5.818E+00	-1.718E-01	8.031E+02	7.867E+06	-2.303E-03	5.206E-07
353	3	90.50	1	6.391E+01	-5.784E+04	5.818E+00	-1.718E-01	5.398E+02	5.272E+06	-2.653E-03	5.971E-07
353	4	135.75	1	6.502E+01	-5.884E+04	5.818E+00	-1.718E-01	2.765E+02	2.633E+06	-1.673E-03	3.750E-07
353	5	181.00	1	6.613E+01	-5.985E+04	5.818E+00	-1.718E-01	1.327E+01	-5.293E+04	-8.975E-10	1.045E-13
354	1	0.00	1	6.169E+01	-5.583E+04	-5.818E+00	1.718E-01	-1.066E+03	1.042E+07	0.000E+00	0.000E+00
354	2	45.25	1	6.280E+01	-5.683E+04	-5.818E+00	1.718E-01	-8.031E+02	7.867E+06	-2.303E-03	-5.206E-07
354	3	90.50	1	6.391E+01	-5.784E+04	-5.818E+00	1.718E-01	-5.398E+02	5.272E+06	-2.653E-03	-5.971E-07
354	4	135.75	1	6.502E+01	-5.884E+04	-5.818E+00	1.718E-01	-2.765E+02	2.633E+06	-1.673E-03	-3.750E-07
354	5	181.00	1	6.613E+01	-5.985E+04	-5.818E+00	1.718E-01	-1.327E+01	-5.293E+04	-8.975E-10	-1.045E-13
355	1	0.00	1	-2.224E+00	1.534E+03	2.345E-11	-9.128E-14	4.981E-10	-5.293E+04	0.000E+00	0.000E+00
355	2	17.25	1	-1.668E+00	1.151E+03	2.345E-11	-9.128E-14	9.354E-11	-2.977E+04	-1.210E-05	0.000E+00
355	3	34.50	1	-1.112E+00	7.671E+02	2.345E-11	-9.128E-14	-3.110E-10	-1.323E+04	-1.648E-05	0.000E+00
355	4	51.75	1	-5.559E-01	3.836E+02	2.345E-11	-9.128E-14	-7.155E-10	-3.308E+03	-1.256E-05	0.000E+00
355	5	69.00	1	2.807E-10	7.068E-10	2.345E-11	-9.128E-14	-1.120E-09	-9.485E-09	2.092E-13	0.000E+00
356	1	0.00	1	-2.224E+00	1.534E+03	-9.066E-12	1.243E-12	-1.105E-09	-5.293E+04	0.000E+00	0.000E+00
356	2	17.25	1	-1.668E+00	1.151E+03	-9.066E-12	1.243E-12	-9.487E-10	-2.977E+04	-1.210E-05	0.000E+00
356	3	34.50	1	-1.112E+00	7.671E+02	-9.066E-12	1.243E-12	-7.924E-10	-1.323E+04	-1.648E-05	0.000E+00
356	4	51.75	1	-5.559E-01	3.836E+02	-9.066E-12	1.243E-12	-6.360E-10	-3.308E+03	-1.256E-05	0.000E+00
356	5	69.00	1	-2.600E-10	5.763E-10	-9.066E-12	1.243E-12	-4.796E-10	5.593E-08	2.092E-13	0.000E+00
501	1	0.00	1	-1.150E+02	3.767E+03	-5.363E-12	-5.702E-08	-1.596E+02	-4.583E-03	0.000E+00	0.000E+00
501	2	76.10	1	-1.150E+02	1.883E+03	-5.363E-12	-5.702E-08	-1.596E+02	2.150E+05	-1.052E-02	-1.521E-05
501	3	152.20	1	-1.150E+02	-1.054E-11	-5.363E-12	-5.702E-08	-1.596E+02	2.867E+05	-1.470E-02	-2.027E-05
501	4	228.30	1	-1.150E+02	-1.883E+03	-5.363E-12	-5.702E-08	-1.596E+02	2.150E+05	-1.052E-02	-1.521E-05

501	5	304.40	1	-1.150E+02	-3.767E+03	-5.363E-12	-5.702E-08	-1.596E+02	-4.583E-03	-1.297E-09	-4.591E-12
502	1	0.00	1	-3.503E+00	3.767E+03	-7.859E-12	-4.998E-08	-8.582E+01	7.699E-02	0.000E+00	0.000E+00
502	2	76.10	1	-3.503E+00	1.883E+03	-7.859E-12	-4.998E-08	-8.582E+01	2.150E+05	-1.052E-02	-8.175E-06
502	3	152.20	1	-3.503E+00	-2.185E-11	-7.859E-12	-4.998E-08	-8.582E+01	2.867E+05	-1.470E-02	-1.090E-05
502	4	228.30	1	-3.503E+00	-1.883E+03	-7.859E-12	-4.998E-08	-8.582E+01	2.150E+05	-1.052E-02	-8.175E-06
502	5	304.40	1	-3.503E+00	-3.767E+03	-7.859E-12	-4.998E-08	-8.582E+01	7.699E-02	3.061E-10	1.863E-12
503	1	0.00	1	3.661E+00	3.767E+03	5.075E-12	2.741E-07	-8.539E+01	7.746E-02	0.000E+00	0.000E+00
503	2	76.10	1	3.661E+00	1.883E+03	5.075E-12	2.741E-07	-8.539E+01	2.150E+05	-1.052E-02	-8.134E-06
503	3	152.20	1	3.661E+00	-1.148E-11	5.075E-12	2.741E-07	-8.539E+01	2.867E+05	-1.470E-02	-1.084E-05
503	4	228.30	1	3.661E+00	-1.883E+03	5.075E-12	2.741E-07	-8.539E+01	2.150E+05	-1.052E-02	-8.134E-06
503	5	304.40	1	3.661E+00	-3.767E+03	5.075E-12	2.741E-07	-8.539E+01	7.746E-02	2.098E-10	-3.018E-12
504	1	0.00	1	1.591E+04	3.767E+03	1.341E-11	2.653E-07	-9.999E+03	-1.088E+01	0.000E+00	0.000E+00
504	2	76.10	1	1.591E+04	1.883E+03	1.341E-11	2.653E-07	-9.999E+03	2.150E+05	-1.052E-02	-9.524E-04
504	3	152.20	1	1.591E+04	-4.884E-12	1.341E-11	2.653E-07	-9.999E+03	2.867E+05	-1.470E-02	-1.270E-03
504	4	228.30	1	1.591E+04	-1.883E+03	1.341E-11	2.653E-07	-9.999E+03	2.150E+05	-1.052E-02	-9.524E-04
504	5	304.40	1	1.591E+04	-3.767E+03	1.341E-11	2.653E-07	-9.999E+03	-1.088E+01	1.543E-10	-4.692E-10
505	1	0.00	1	1.625E+04	3.767E+03	-3.841E-11	-2.094E-07	1.003E+04	1.126E+01	0.000E+00	0.000E+00
505	2	76.10	1	1.625E+04	1.883E+03	-3.841E-11	-2.094E-07	1.003E+04	2.150E+05	-1.052E-02	9.558E-04
505	3	152.20	1	1.625E+04	-6.428E-12	-3.841E-11	-2.094E-07	1.003E+04	2.867E+05	-1.470E-02	1.274E-03
505	4	228.30	1	1.625E+04	-1.883E+03	-3.841E-11	-2.094E-07	1.003E+04	2.150E+05	-1.052E-02	9.558E-04
505	5	304.40	1	1.625E+04	-3.767E+03	-3.841E-11	-2.094E-07	1.003E+04	1.126E+01	-1.764E-09	-1.066E-10
506	1	0.00	1	-3.340E+00	3.767E+03	-9.244E-11	-2.356E-07	-8.627E+01	7.649E-02	0.000E+00	0.000E+00
506	2	76.10	1	-3.340E+00	1.883E+03	-9.244E-11	-2.356E-07	-8.627E+01	2.150E+05	-1.052E-02	-8.217E-06
506	3	152.20	1	-3.340E+00	-4.956E-12	-9.244E-11	-2.356E-07	-8.627E+01	2.867E+05	-1.470E-02	-1.096E-05
506	4	228.30	1	-3.340E+00	-1.883E+03	-9.244E-11	-2.356E-07	-8.627E+01	2.150E+05	-1.052E-02	-8.217E-06
506	5	304.40	1	-3.340E+00	-3.767E+03	-9.244E-11	-2.356E-07	-8.627E+01	7.649E-02	4.021E-10	-5.615E-13
507	1	0.00	1	3.661E+00	3.767E+03	-1.581E-11	1.604E-07	-8.539E+01	7.746E-02	0.000E+00	0.000E+00
507	2	76.10	1	3.661E+00	1.883E+03	-1.581E-11	1.604E-07	-8.539E+01	2.150E+05	-1.052E-02	-8.134E-06
507	3	152.20	1	3.661E+00	7.887E-12	-1.581E-11	1.604E-07	-8.539E+01	2.867E+05	-1.470E-02	-1.084E-05
507	4	228.30	1	3.661E+00	-1.883E+03	-1.581E-11	1.604E-07	-8.539E+01	2.150E+05	-1.052E-02	-8.134E-06
507	5	304.40	1	3.661E+00	-3.767E+03	-1.581E-11	1.604E-07	-8.539E+01	7.746E-02	2.098E-10	-3.018E-12
508	1	0.00	1	1.591E+04	3.767E+03	-2.083E-11	1.247E-07	-9.999E+03	-1.088E+01	0.000E+00	0.000E+00
508	2	76.10	1	1.591E+04	1.883E+03	-2.083E-11	1.247E-07	-9.999E+03	2.150E+05	-1.052E-02	-9.524E-04
508	3	152.20	1	1.591E+04	-3.705E-12	-2.083E-11	1.247E-07	-9.999E+03	2.867E+05	-1.470E-02	-1.270E-03
508	4	228.30	1	1.591E+04	-1.883E+03	-2.083E-11	1.247E-07	-9.999E+03	2.150E+05	-1.052E-02	-9.524E-04
508	5	304.40	1	1.591E+04	-3.767E+03	-2.083E-11	1.247E-07	-9.999E+03	-1.088E+01	1.543E-10	-4.692E-10
509	1	0.00	1	1.625E+04	3.767E+03	2.064E-11	-1.276E-07	1.003E+04	1.126E+01	0.000E+00	0.000E+00
509	2	76.10	1	1.625E+04	1.883E+03	2.064E-11	-1.276E-07	1.003E+04	2.150E+05	-1.052E-02	9.558E-04
509	3	152.20	1	1.625E+04	-7.711E-12	2.064E-11	-1.276E-07	1.003E+04	2.867E+05	-1.470E-02	1.274E-03
509	4	228.30	1	1.625E+04	-1.883E+03	2.064E-11	-1.276E-07	1.003E+04	2.150E+05	-1.052E-02	9.558E-04
509	5	304.40	1	1.625E+04	-3.767E+03	2.064E-11	-1.276E-07	1.003E+04	1.126E+01	-1.764E-09	-1.066E-10
510	1	0.00	1	-3.340E+00	3.767E+03	8.058E-12	-1.257E-07	-8.627E+01	7.649E-02	0.000E+00	0.000E+00
510	2	76.10	1	-3.340E+00	1.883E+03	8.058E-12	-1.257E-07	-8.627E+01	2.150E+05	-1.052E-02	-8.217E-06
510	3	152.20	1	-3.340E+00	-6.528E-12	8.058E-12	-1.257E-07	-8.627E+01	2.867E+05	-1.470E-02	-1.096E-05
510	4	228.30	1	-3.340E+00	-1.883E+03	8.058E-12	-1.257E-07	-8.627E+01	2.150E+05	-1.052E-02	-8.217E-06
510	5	304.40	1	-3.340E+00	-3.767E+03	8.058E-12	-1.257E-07	-8.627E+01	7.649E-02	4.021E-10	-5.586E-13
511	1	0.00	1	3.661E+00	3.767E+03	3.076E-11	-9.905E-09	-8.539E+01	7.746E-02	0.000E+00	0.000E+00
511	2	76.10	1	3.661E+00	1.883E+03	3.076E-11	-9.905E-09	-8.539E+01	2.150E+05	-1.052E-02	-8.134E-06
511	3	152.20	1	3.661E+00	1.047E-11	3.076E-11	-9.905E-09	-8.539E+01	2.867E+05	-1.470E-02	-1.084E-05
511	4	228.30	1	3.661E+00	-1.883E+03	3.076E-11	-9.905E-09	-8.539E+01	2.150E+05	-1.052E-02	-8.134E-06
511	5	304.40	1	3.661E+00	-3.767E+03	3.076E-11	-9.905E-09	-8.539E+01	7.746E-02	2.098E-10	-3.017E-12
512	1	0.00	1	1.591E+04	3.767E+03	4.123E-11	-1.766E-08	-9.999E+03	-1.088E+01	0.000E+00	0.000E+00
512	2	76.10	1	1.591E+04	1.883E+03	4.123E-11	-1.766E-08	-9.999E+03	2.150E+05	-1.052E-02	-9.524E-04
512	3	152.20	1	1.591E+04	-9.191E-12	4.123E-11	-1.766E-08	-9.999E+03	2.867E+05	-1.470E-02	-1.270E-03
512	4	228.30	1	1.591E+04	-1.883E+03	4.123E-11	-1.766E-08	-9.999E+03	2.150E+05	-1.052E-02	-9.524E-04
512	5	304.40	1	1.591E+04	-3.767E+03	4.123E-11	-1.766E-08	-9.999E+03	-1.088E+01	1.543E-10	-4.692E-10
513	1	0.00	1	1.625E+04	3.767E+03	7.166E-14	-8.914E-08	1.003E+04	1.126E+01	0.000E+00	0.000E+00
513	2	76.10	1	1.625E+04	1.883E+03	7.166E-14	-8.914E-08	1.003E+04	2.150E+05	-1.052E-02	9.558E-04
513	3	152.20	1	1.625E+04	1.587E-12	7.166E-14	-8.914E-08	1.003E+04	2.867E+05	-1.470E-02	1.274E-03
513	4	228.30	1	1.625E+04	-1.883E+03	7.166E-14	-8.914E-08	1.003E+04	2.150E+05	-1.052E-02	9.558E-04
513	5	304.40	1	1.625E+04	-3.767E+03	7.166E-14	-8.914E-08	1.003E+04	1.126E+01	-1.764E-09	-1.066E-10
514	1	0.00	1	-3.340E+00	3.767E+03	1.333E-13	-1.151E-07	-8.627E+01	7.649E-02	0.000E+00	0.000E+00

514	2	76.10	1	-3.340E+00	1.883E+03	1.333E-13	-1.151E-07	-8.627E+01	2.150E+05	-1.052E-02	-8.217E-06
514	3	152.20	1	-3.340E+00	1.704E-11	1.333E-13	-1.151E-07	-8.627E+01	2.867E+05	-1.470E-02	-1.096E-05
514	4	228.30	1	-3.340E+00	-1.883E+03	1.333E-13	-1.151E-07	-8.627E+01	2.150E+05	-1.052E-02	-8.217E-06
514	5	304.40	1	-3.340E+00	-3.767E+03	1.333E-13	-1.151E-07	-8.627E+01	7.649E-02	4.021E-10	-5.588E-13
515	1	0.00	1	3.663E+00	3.767E+03	-2.649E-12	1.799E-07	-8.539E+01	7.747E-02	0.000E+00	0.000E+00
515	2	76.10	1	3.663E+00	1.883E+03	-2.649E-12	1.799E-07	-8.539E+01	2.150E+05	-1.052E-02	-8.133E-06
515	3	152.20	1	3.663E+00	5.661E-12	-2.649E-12	1.799E-07	-8.539E+01	2.867E+05	-1.470E-02	-1.084E-05
515	4	228.30	1	3.663E+00	-1.883E+03	-2.649E-12	1.799E-07	-8.539E+01	2.150E+05	-1.052E-02	-8.133E-06
515	5	304.40	1	3.663E+00	-3.767E+03	-2.649E-12	1.799E-07	-8.539E+01	7.747E-02	2.098E-10	-3.018E-12
516	1	0.00	1	1.612E+04	3.767E+03	-1.037E-11	1.783E-07	-1.013E+04	-1.102E+01	0.000E+00	0.000E+00
516	2	76.10	1	1.612E+04	1.883E+03	-1.037E-11	1.783E-07	-1.013E+04	2.150E+05	-1.052E-02	-9.650E-04
516	3	152.20	1	1.612E+04	1.154E-11	-1.037E-11	1.783E-07	-1.013E+04	2.867E+05	-1.470E-02	-1.287E-03
516	4	228.30	1	1.612E+04	-1.883E+03	-1.037E-11	1.783E-07	-1.013E+04	2.150E+05	-1.052E-02	-9.650E-04
516	5	304.40	1	1.612E+04	-3.767E+03	-1.037E-11	1.783E-07	-1.013E+04	-1.102E+01	1.543E-10	-4.630E-10
517	1	0.00	1	1.647E+04	3.767E+03	2.747E-11	4.275E-08	1.017E+04	1.141E+01	0.000E+00	0.000E+00
517	2	76.10	1	1.647E+04	1.883E+03	2.747E-11	4.275E-08	1.017E+04	2.150E+05	-1.052E-02	9.687E-04
517	3	152.20	1	1.647E+04	-7.406E-12	2.747E-11	4.275E-08	1.017E+04	2.867E+05	-1.470E-02	1.292E-03
517	4	228.30	1	1.647E+04	-1.883E+03	2.747E-11	4.275E-08	1.017E+04	2.150E+05	-1.052E-02	9.687E-04
517	5	304.40	1	1.647E+04	-3.767E+03	2.747E-11	4.275E-08	1.017E+04	1.141E+01	-1.764E-09	-9.941E-11
518	1	0.00	1	-3.337E+00	3.767E+03	1.633E-10	8.183E-08	-8.628E+01	7.649E-02	0.000E+00	0.000E+00
518	2	76.10	1	-3.337E+00	1.883E+03	1.633E-10	8.183E-08	-8.628E+01	2.150E+05	-1.052E-02	-8.218E-06
518	3	152.20	1	-3.337E+00	-5.207E-12	1.633E-10	8.183E-08	-8.628E+01	2.867E+05	-1.470E-02	-1.096E-05
518	4	228.30	1	-3.337E+00	-1.883E+03	1.633E-10	8.183E-08	-8.628E+01	2.150E+05	-1.052E-02	-8.218E-06
518	5	304.40	1	-3.337E+00	-3.767E+03	1.633E-10	8.183E-08	-8.628E+01	7.649E-02	4.021E-10	-5.540E-13
519	1	0.00	1	3.661E+00	3.767E+03	2.840E-12	-2.639E-07	-8.539E+01	7.746E-02	0.000E+00	0.000E+00
519	2	76.10	1	3.661E+00	1.883E+03	2.840E-12	-2.639E-07	-8.539E+01	2.150E+05	-1.052E-02	-8.134E-06
519	3	152.20	1	3.661E+00	-6.373E-12	2.840E-12	-2.639E-07	-8.539E+01	2.867E+05	-1.470E-02	-1.084E-05
519	4	228.30	1	3.661E+00	-1.883E+03	2.840E-12	-2.639E-07	-8.539E+01	2.150E+05	-1.052E-02	-8.134E-06
519	5	304.40	1	3.661E+00	-3.767E+03	2.840E-12	-2.639E-07	-8.539E+01	7.746E-02	2.098E-10	-3.018E-12
520	1	0.00	1	1.591E+04	3.767E+03	1.056E-11	-2.670E-07	-9.999E+03	-1.088E+01	0.000E+00	0.000E+00
520	2	76.10	1	1.591E+04	1.883E+03	1.056E-11	-2.670E-07	-9.999E+03	2.150E+05	-1.052E-02	-9.524E-04
520	3	152.20	1	1.591E+04	4.512E-12	1.056E-11	-2.670E-07	-9.999E+03	2.867E+05	-1.470E-02	-1.270E-03
520	4	228.30	1	1.591E+04	-1.883E+03	1.056E-11	-2.670E-07	-9.999E+03	2.150E+05	-1.052E-02	-9.524E-04
520	5	304.40	1	1.591E+04	-3.767E+03	1.056E-11	-2.670E-07	-9.999E+03	-1.088E+01	1.543E-10	-4.692E-10
521	1	0.00	1	1.625E+04	3.767E+03	2.810E-11	1.604E-07	1.003E+04	1.126E+01	0.000E+00	0.000E+00
521	2	76.10	1	1.625E+04	1.883E+03	2.810E-11	1.604E-07	1.003E+04	2.150E+05	-1.052E-02	9.558E-04
521	3	152.20	1	1.625E+04	-8.181E-12	2.810E-11	1.604E-07	1.003E+04	2.867E+05	-1.470E-02	1.274E-03
521	4	228.30	1	1.625E+04	-1.883E+03	2.810E-11	1.604E-07	1.003E+04	2.150E+05	-1.052E-02	9.558E-04
521	5	304.40	1	1.625E+04	-3.767E+03	2.810E-11	1.604E-07	1.003E+04	1.126E+01	-1.764E-09	-1.066E-10
522	1	0.00	1	-3.340E+00	3.767E+03	4.204E-11	1.527E-07	-8.627E+01	7.649E-02	0.000E+00	0.000E+00
522	2	76.10	1	-3.340E+00	1.883E+03	4.204E-11	1.527E-07	-8.627E+01	2.150E+05	-1.052E-02	-8.217E-06
522	3	152.20	1	-3.340E+00	4.933E-12	4.204E-11	1.527E-07	-8.627E+01	2.867E+05	-1.470E-02	-1.096E-05
522	4	228.30	1	-3.340E+00	-1.883E+03	4.204E-11	1.527E-07	-8.627E+01	2.150E+05	-1.052E-02	-8.217E-06
522	5	304.40	1	-3.340E+00	-3.767E+03	4.204E-11	1.527E-07	-8.627E+01	7.649E-02	4.021E-10	-5.577E-13
523	1	0.00	1	3.661E+00	3.767E+03	-1.808E-12	3.315E-08	-8.539E+01	7.746E-02	0.000E+00	0.000E+00
523	2	76.10	1	3.661E+00	1.883E+03	-1.808E-12	3.315E-08	-8.539E+01	2.150E+05	-1.052E-02	-8.134E-06
523	3	152.20	1	3.661E+00	2.295E-11	-1.808E-12	3.315E-08	-8.539E+01	2.867E+05	-1.470E-02	-1.084E-05
523	4	228.30	1	3.661E+00	-1.883E+03	-1.808E-12	3.315E-08	-8.539E+01	2.150E+05	-1.052E-02	-8.134E-06
523	5	304.40	1	3.661E+00	-3.767E+03	-1.808E-12	3.315E-08	-8.539E+01	7.746E-02	2.098E-10	-3.018E-12
524	1	0.00	1	1.591E+04	3.767E+03	-7.829E-12	-1.473E-08	-9.999E+03	-1.088E+01	0.000E+00	0.000E+00
524	2	76.10	1	1.591E+04	1.883E+03	-7.829E-12	-1.473E-08	-9.999E+03	2.150E+05	-1.052E-02	-9.524E-04
524	3	152.20	1	1.591E+04	-9.693E-12	-7.829E-12	-1.473E-08	-9.999E+03	2.867E+05	-1.470E-02	-1.270E-03
524	4	228.30	1	1.591E+04	-1.883E+03	-7.829E-12	-1.473E-08	-9.999E+03	2.150E+05	-1.052E-02	-9.524E-04
524	5	304.40	1	1.591E+04	-3.767E+03	-7.829E-12	-1.473E-08	-9.999E+03	-1.088E+01	1.543E-10	-4.692E-10
525	1	0.00	1	1.625E+04	3.767E+03	9.901E-12	-4.309E-08	1.003E+04	1.126E+01	0.000E+00	0.000E+00
525	2	76.10	1	1.625E+04	1.883E+03	9.901E-12	-4.309E-08	1.003E+04	2.150E+05	-1.052E-02	9.558E-04
525	3	152.20	1	1.625E+04	-4.811E-13	9.901E-12	-4.309E-08	1.003E+04	2.867E+05	-1.470E-02	1.274E-03
525	4	228.30	1	1.625E+04	-1.883E+03	9.901E-12	-4.309E-08	1.003E+04	2.150E+05	-1.052E-02	9.558E-04
525	5	304.40	1	1.625E+04	-3.767E+03	9.901E-12	-4.309E-08	1.003E+04	1.126E+01	-1.764E-09	-1.066E-10
526	1	0.00	1	-3.340E+00	3.767E+03	4.744E-11	-4.660E-08	-8.627E+01	7.649E-02	0.000E+00	0.000E+00
526	2	76.10	1	-3.340E+00	1.883E+03	4.744E-11	-4.660E-08	-8.627E+01	2.150E+05	-1.052E-02	-8.217E-06
526	3	152.20	1	-3.340E+00	2.150E-11	4.744E-11	-4.660E-08	-8.627E+01	2.867E+05	-1.470E-02	-1.096E-05

526	4	228.30	1	-3.340E+00	-1.883E+03	4.744E-11	-4.660E-08	-8.627E+01	2.150E+05	-1.052E-02	-8.217E-06
526	5	304.40	1	-3.340E+00	-3.767E+03	4.744E-11	-4.660E-08	-8.627E+01	7.649E-02	4.021E-10	-5.575E-13
527	1	0.00	1	3.661E+00	3.767E+03	-6.002E-11	1.539E-08	-8.539E+01	7.746E-02	0.000E+00	0.000E+00
527	2	76.10	1	3.661E+00	1.883E+03	-6.002E-11	1.539E-08	-8.539E+01	2.150E+05	-1.052E-02	-8.134E-06
527	3	152.20	1	3.661E+00	5.885E-12	-6.002E-11	1.539E-08	-8.539E+01	2.867E+05	-1.470E-02	-1.084E-05
527	4	228.30	1	3.661E+00	-1.883E+03	-6.002E-11	1.539E-08	-8.539E+01	2.150E+05	-1.052E-02	-8.134E-06
527	5	304.40	1	3.661E+00	-3.767E+03	-6.002E-11	1.539E-08	-8.539E+01	7.746E-02	2.098E-10	-3.020E-12
528	1	0.00	1	1.591E+04	3.767E+03	-6.394E-11	-1.160E-08	-9.999E+03	-1.088E+01	0.000E+00	0.000E+00
528	2	76.10	1	1.591E+04	1.883E+03	-6.394E-11	-1.160E-08	-9.999E+03	2.150E+05	-1.052E-02	-9.524E-04
528	3	152.20	1	1.591E+04	-2.380E-12	-6.394E-11	-1.160E-08	-9.999E+03	2.867E+05	-1.470E-02	-1.270E-03
528	4	228.30	1	1.591E+04	-1.883E+03	-6.394E-11	-1.160E-08	-9.999E+03	2.150E+05	-1.052E-02	-9.524E-04
528	5	304.40	1	1.591E+04	-3.767E+03	-6.394E-11	-1.160E-08	-9.999E+03	-1.088E+01	1.543E-10	-4.692E-10
529	1	0.00	1	1.625E+04	3.767E+03	-1.385E-11	2.110E-07	1.003E+04	1.126E+01	0.000E+00	0.000E+00
529	2	76.10	1	1.625E+04	1.883E+03	-1.385E-11	2.110E-07	1.003E+04	2.150E+05	-1.052E-02	9.558E-04
529	3	152.20	1	1.625E+04	-1.331E-12	-1.385E-11	2.110E-07	1.003E+04	2.867E+05	-1.470E-02	1.274E-03
529	4	228.30	1	1.625E+04	-1.883E+03	-1.385E-11	2.110E-07	1.003E+04	2.150E+05	-1.052E-02	9.558E-04
529	5	304.40	1	1.625E+04	-3.767E+03	-1.385E-11	2.110E-07	1.003E+04	1.126E+01	-1.764E-09	-1.066E-10
530	1	0.00	1	-3.340E+00	3.767E+03	-1.667E-11	1.562E-07	-8.627E+01	7.649E-02	0.000E+00	0.000E+00
530	2	76.10	1	-3.340E+00	1.883E+03	-1.667E-11	1.562E-07	-8.627E+01	2.150E+05	-1.052E-02	-8.217E-06
530	3	152.20	1	-3.340E+00	-1.579E-12	-1.667E-11	1.562E-07	-8.627E+01	2.867E+05	-1.470E-02	-1.096E-05
530	4	228.30	1	-3.340E+00	-1.883E+03	-1.667E-11	1.562E-07	-8.627E+01	2.150E+05	-1.052E-02	-8.217E-06
530	5	304.40	1	-3.340E+00	-3.767E+03	-1.667E-11	1.562E-07	-8.627E+01	7.649E-02	4.021E-10	-5.593E-13
531	1	0.00	1	3.501E+00	3.767E+03	-7.676E-12	-1.955E-07	-8.583E+01	7.698E-02	0.000E+00	0.000E+00
531	2	76.10	1	3.501E+00	1.883E+03	-7.676E-12	-1.955E-07	-8.583E+01	2.150E+05	-1.052E-02	-8.175E-06
531	3	152.20	1	3.501E+00	6.299E-13	-7.676E-12	-1.955E-07	-8.583E+01	2.867E+05	-1.470E-02	-1.090E-05
531	4	228.30	1	3.501E+00	-1.883E+03	-7.676E-12	-1.955E-07	-8.583E+01	2.150E+05	-1.052E-02	-8.175E-06
531	5	304.40	1	3.501E+00	-3.767E+03	-7.676E-12	-1.955E-07	-8.583E+01	7.698E-02	3.075E-10	7.923E-13
532	1	0.00	1	-1.200E+02	3.767E+03	5.158E-12	-2.512E-07	-1.327E+01	1.572E-01	0.000E+00	0.000E+00
532	2	76.10	1	-1.200E+02	1.883E+03	5.158E-12	-2.512E-07	-1.327E+01	2.150E+05	-1.052E-02	-1.264E-06
532	3	152.20	1	-1.200E+02	-9.573E-13	5.158E-12	-2.512E-07	-1.327E+01	2.867E+05	-1.470E-02	-1.686E-06
532	4	228.30	1	-1.200E+02	-1.883E+03	5.158E-12	-2.512E-07	-1.327E+01	2.150E+05	-1.052E-02	-1.264E-06
532	5	304.40	1	-1.200E+02	-3.767E+03	5.158E-12	-2.512E-07	-1.327E+01	1.572E-01	1.531E-09	-2.145E-12
701	1	0.00	1	-1.755E+01	1.093E+04	-1.555E-12	-2.085E-08	-8.845E+01	-4.991E-01	0.000E+00	0.000E+00
701	2	76.10	1	-1.755E+01	5.467E+03	-1.555E-12	-2.085E-08	-8.845E+01	6.240E+05	-3.176E-02	-2.958E-05
701	3	152.20	1	-1.755E+01	4.833E-12	-1.555E-12	-2.085E-08	-8.845E+01	8.321E+05	-4.432E-02	-3.944E-05
701	4	228.30	1	-1.755E+01	-5.467E+03	-1.555E-12	-2.085E-08	-8.845E+01	6.240E+05	-3.176E-02	-2.958E-05
701	5	304.40	1	-1.755E+01	-1.093E+04	-1.555E-12	-2.085E-08	-8.845E+01	-4.991E-01	-5.159E-09	-1.654E-11
702	1	0.00	1	5.298E+00	1.427E+04	-1.560E-12	-1.894E-08	-8.758E+01	-9.961E-02	0.000E+00	0.000E+00
702	2	76.10	1	5.298E+00	7.133E+03	-1.560E-12	-1.894E-08	-8.758E+01	8.143E+05	-4.144E-02	-2.929E-05
702	3	152.20	1	5.298E+00	6.971E-11	-1.560E-12	-1.894E-08	-8.758E+01	1.086E+06	-5.783E-02	-3.905E-05
702	4	228.30	1	5.298E+00	-7.133E+03	-1.560E-12	-1.894E-08	-8.758E+01	8.143E+05	-4.144E-02	-2.929E-05
702	5	304.40	1	5.298E+00	-1.427E+04	-1.560E-12	-1.894E-08	-8.758E+01	-9.961E-02	4.876E-11	5.465E-13
703	1	0.00	1	-4.594E-01	1.593E+04	-1.744E-12	-1.711E-08	-1.010E+02	-1.273E-01	0.000E+00	0.000E+00
703	2	76.10	1	-4.594E-01	7.967E+03	-1.744E-12	-1.711E-08	-1.010E+02	9.094E+05	-4.628E-02	-3.379E-05
703	3	152.20	1	-4.594E-01	-2.885E-11	-1.744E-12	-1.711E-08	-1.010E+02	1.213E+06	-6.458E-02	-4.506E-05
703	4	228.30	1	-4.594E-01	-7.967E+03	-1.744E-12	-1.711E-08	-1.010E+02	9.094E+05	-4.628E-02	-3.379E-05
703	5	304.40	1	-4.594E-01	-1.593E+04	-1.744E-12	-1.711E-08	-1.010E+02	-1.273E-01	2.918E-09	3.248E-12
704	1	0.00	1	-1.227E+00	1.427E+04	-1.911E-12	-1.725E-08	-8.972E+01	-1.021E-01	0.000E+00	0.000E+00
704	2	76.10	1	-1.227E+00	7.133E+03	-1.911E-12	-1.725E-08	-8.972E+01	8.143E+05	-4.144E-02	-3.000E-05
704	3	152.20	1	-1.227E+00	-5.394E-11	-1.911E-12	-1.725E-08	-8.972E+01	1.086E+06	-5.783E-02	-4.001E-05
704	4	228.30	1	-1.227E+00	-7.133E+03	-1.911E-12	-1.725E-08	-8.972E+01	8.143E+05	-4.144E-02	-3.000E-05
704	5	304.40	1	-1.227E+00	-1.427E+04	-1.911E-12	-1.725E-08	-8.972E+01	-1.021E-01	1.346E-09	-7.238E-13
705	1	0.00	1	4.458E+00	1.093E+04	-2.243E-12	-1.843E-08	-7.396E+01	-2.834E-01	0.000E+00	0.000E+00
705	2	76.10	1	4.458E+00	5.467E+03	-2.243E-12	-1.843E-08	-7.396E+01	6.240E+05	-3.176E-02	-2.473E-05
705	3	152.20	1	4.458E+00	-8.468E-12	-2.243E-12	-1.843E-08	-7.396E+01	8.321E+05	-4.432E-02	-3.298E-05
705	4	228.30	1	4.458E+00	-5.467E+03	-2.243E-12	-1.843E-08	-7.396E+01	6.240E+05	-3.176E-02	-2.473E-05
705	5	304.40	1	4.458E+00	-1.093E+04	-2.243E-12	-1.843E-08	-7.396E+01	-2.834E-01	-4.667E-09	5.974E-12
706	1	0.00	1	-4.790E+00	1.093E+04	1.626E-12	1.037E-07	-7.372E+01	-2.867E-01	0.000E+00	0.000E+00
706	2	76.10	1	-4.790E+00	5.467E+03	1.626E-12	1.037E-07	-7.372E+01	6.240E+05	-3.176E-02	-2.465E-05
706	3	152.20	1	-4.790E+00	2.069E-11	1.626E-12	1.037E-07	-7.372E+01	8.321E+05	-4.432E-02	-3.287E-05
706	4	228.30	1	-4.790E+00	-5.467E+03	1.626E-12	1.037E-07	-7.372E+01	6.240E+05	-3.176E-02	-2.465E-05
706	5	304.40	1	-4.790E+00	-1.093E+04	1.626E-12	1.037E-07	-7.372E+01	-2.867E-01	-4.063E-09	-2.096E-12

707	1	0.00	1	-1.845E+00	1.427E+04	2.035E-12	1.049E-07	-8.984E+01	-1.021E-01	0.000E+00	0.000E+00
707	2	76.10	1	-1.845E+00	7.133E+03	2.035E-12	1.049E-07	-8.984E+01	8.143E+05	-4.144E-02	-3.004E-05
707	3	152.20	1	-1.845E+00	2.064E-11	2.035E-12	1.049E-07	-8.984E+01	1.086E+06	-5.783E-02	-4.006E-05
707	4	228.30	1	-1.845E+00	-7.133E+03	2.035E-12	1.049E-07	-8.984E+01	8.143E+05	-4.144E-02	-3.004E-05
707	5	304.40	1	-1.845E+00	-1.427E+04	2.035E-12	1.049E-07	-8.984E+01	-1.021E-01	1.345E-09	-1.410E-12
708	1	0.00	1	6.169E+01	1.593E+04	2.481E-12	1.036E-07	-1.220E+02	-1.479E-01	0.000E+00	0.000E+00
708	2	76.10	1	6.169E+01	7.967E+03	2.481E-12	1.036E-07	-1.220E+02	9.094E+05	-4.628E-02	-4.081E-05
708	3	152.20	1	6.169E+01	7.938E-11	2.481E-12	1.036E-07	-1.220E+02	1.213E+06	-6.458E-02	-5.441E-05
708	4	228.30	1	6.169E+01	-7.967E+03	2.481E-12	1.036E-07	-1.220E+02	9.094E+05	-4.628E-02	-4.081E-05
708	5	304.40	1	6.169E+01	-1.593E+04	2.481E-12	1.036E-07	-1.220E+02	-1.479E-01	4.426E-09	1.071E-11
709	1	0.00	1	-5.448E+02	1.427E+04	2.971E-12	1.017E-07	1.982E+02	2.348E-01	0.000E+00	0.000E+00
709	2	76.10	1	-5.448E+02	7.133E+03	2.971E-12	1.017E-07	1.982E+02	8.143E+05	-4.144E-02	6.630E-05
709	3	152.20	1	-5.448E+02	4.265E-11	2.971E-12	1.017E-07	1.982E+02	1.086E+06	-5.783E-02	8.839E-05
709	4	228.30	1	-5.448E+02	-7.133E+03	2.971E-12	1.017E-07	1.982E+02	8.143E+05	-4.144E-02	6.630E-05
709	5	304.40	1	-5.448E+02	-1.427E+04	2.971E-12	1.017E-07	1.982E+02	2.348E-01	2.180E-09	1.324E-11
710	1	0.00	1	1.763E+03	1.093E+04	3.570E-12	1.002E-07	-2.019E+03	-2.925E+01	0.000E+00	0.000E+00
710	2	76.10	1	1.763E+03	5.467E+03	3.570E-12	1.002E-07	-2.019E+03	6.240E+05	-3.176E-02	-6.750E-04
710	3	152.20	1	1.763E+03	2.018E-11	3.570E-12	1.002E-07	-2.019E+03	8.320E+05	-4.431E-02	-9.001E-04
710	4	228.30	1	1.763E+03	-5.467E+03	3.570E-12	1.002E-07	-2.019E+03	6.240E+05	-3.176E-02	-6.750E-04
710	5	304.40	1	1.763E+03	-1.093E+04	3.570E-12	1.002E-07	-2.019E+03	-2.925E+01	6.332E-09	4.597E-11
711	1	0.00	1	1.791E+03	1.093E+04	-1.184E-11	-8.040E-08	1.911E+03	2.929E+01	0.000E+00	0.000E+00
711	2	76.10	1	1.791E+03	5.467E+03	-1.184E-11	-8.040E-08	1.911E+03	6.241E+05	-3.176E-02	6.392E-04
711	3	152.20	1	1.791E+03	-1.496E-11	-1.184E-11	-8.040E-08	1.911E+03	8.321E+05	-4.432E-02	8.523E-04
711	4	228.30	1	1.791E+03	-5.467E+03	-1.184E-11	-8.040E-08	1.911E+03	6.241E+05	-3.176E-02	6.392E-04
711	5	304.40	1	1.791E+03	-1.093E+04	-1.184E-11	-8.040E-08	1.911E+03	2.929E+01	3.535E-10	1.824E-10
712	1	0.00	1	-5.537E+02	1.427E+04	-1.341E-11	-8.505E-08	-3.837E+02	-4.461E-01	0.000E+00	0.000E+00
712	2	76.10	1	-5.537E+02	7.133E+03	-1.341E-11	-8.505E-08	-3.837E+02	8.143E+05	-4.144E-02	-1.283E-04
712	3	152.20	1	-5.537E+02	-3.878E-11	-1.341E-11	-8.505E-08	-3.837E+02	1.086E+06	-5.783E-02	-1.711E-04
712	4	228.30	1	-5.537E+02	-7.133E+03	-1.341E-11	-8.505E-08	-3.837E+02	8.143E+05	-4.144E-02	-1.283E-04
712	5	304.40	1	-5.537E+02	-1.427E+04	-1.341E-11	-8.505E-08	-3.837E+02	-4.461E-01	2.588E-09	5.277E-12
713	1	0.00	1	6.298E+01	1.593E+04	-1.584E-11	-8.845E-08	-7.931E+01	-1.060E-01	0.000E+00	0.000E+00
713	2	76.10	1	6.298E+01	7.967E+03	-1.584E-11	-8.845E-08	-7.931E+01	9.094E+05	-4.628E-02	-2.652E-05
713	3	152.20	1	6.298E+01	-2.164E-11	-1.584E-11	-8.845E-08	-7.931E+01	1.213E+06	-6.458E-02	-3.536E-05
713	4	228.30	1	6.298E+01	-7.967E+03	-1.584E-11	-8.845E-08	-7.931E+01	9.094E+05	-4.628E-02	-2.652E-05
713	5	304.40	1	6.298E+01	-1.593E+04	-1.584E-11	-8.845E-08	-7.931E+01	-1.060E-01	5.536E-11	3.881E-12
714	1	0.00	1	-4.410E+00	1.427E+04	-1.942E-11	-8.993E-08	-8.961E+01	-1.021E-01	0.000E+00	0.000E+00
714	2	76.10	1	-4.410E+00	7.133E+03	-1.942E-11	-8.993E-08	-8.961E+01	8.143E+05	-4.144E-02	-2.997E-05
714	3	152.20	1	-4.410E+00	-6.847E-11	-1.942E-11	-8.993E-08	-8.961E+01	1.086E+06	-5.783E-02	-3.995E-05
714	4	228.30	1	-4.410E+00	-7.133E+03	-1.942E-11	-8.993E-08	-8.961E+01	8.143E+05	-4.144E-02	-2.997E-05
714	5	304.40	1	-4.410E+00	-1.427E+04	-1.942E-11	-8.993E-08	-8.961E+01	-1.021E-01	1.347E-09	-1.721E-12
715	1	0.00	1	4.113E+00	1.093E+04	-2.457E-11	-8.956E-08	-7.422E+01	-2.800E-01	0.000E+00	0.000E+00
715	2	76.10	1	4.113E+00	5.467E+03	-2.457E-11	-8.956E-08	-7.422E+01	6.240E+05	-3.176E-02	-2.482E-05
715	3	152.20	1	4.113E+00	1.829E-11	-2.457E-11	-8.956E-08	-7.422E+01	8.321E+05	-4.432E-02	-3.309E-05
715	4	228.30	1	4.113E+00	-5.467E+03	-2.457E-11	-8.956E-08	-7.422E+01	6.240E+05	-3.176E-02	-2.482E-05
715	5	304.40	1	4.113E+00	-1.093E+04	-2.457E-11	-8.956E-08	-7.422E+01	-2.800E-01	-5.380E-09	-6.305E-12
716	1	0.00	1	-4.790E+00	1.093E+04	-4.973E-12	6.017E-08	-7.372E+01	-2.867E-01	0.000E+00	0.000E+00
716	2	76.10	1	-4.790E+00	5.467E+03	-4.973E-12	6.017E-08	-7.372E+01	6.240E+05	-3.176E-02	-2.465E-05
716	3	152.20	1	-4.790E+00	-2.749E-11	-4.973E-12	6.017E-08	-7.372E+01	8.321E+05	-4.432E-02	-3.287E-05
716	4	228.30	1	-4.790E+00	-5.467E+03	-4.973E-12	6.017E-08	-7.372E+01	6.240E+05	-3.176E-02	-2.465E-05
716	5	304.40	1	-4.790E+00	-1.093E+04	-4.973E-12	6.017E-08	-7.372E+01	-2.867E-01	-4.063E-09	-2.097E-12
717	1	0.00	1	-1.845E+00	1.427E+04	-5.675E-12	5.950E-08	-8.984E+01	-1.021E-01	0.000E+00	0.000E+00
717	2	76.10	1	-1.845E+00	7.133E+03	-5.675E-12	5.950E-08	-8.984E+01	8.143E+05	-4.144E-02	-3.004E-05
717	3	152.20	1	-1.845E+00	1.169E-11	-5.675E-12	5.950E-08	-8.984E+01	1.086E+06	-5.783E-02	-4.006E-05
717	4	228.30	1	-1.845E+00	-7.133E+03	-5.675E-12	5.950E-08	-8.984E+01	8.143E+05	-4.144E-02	-3.004E-05
717	5	304.40	1	-1.845E+00	-1.427E+04	-5.675E-12	5.950E-08	-8.984E+01	-1.021E-01	1.345E-09	-1.411E-12
718	1	0.00	1	6.169E+01	1.593E+04	-6.144E-12	5.711E-08	-1.220E+02	-1.479E-01	0.000E+00	0.000E+00
718	2	76.10	1	6.169E+01	7.967E+03	-6.144E-12	5.711E-08	-1.220E+02	9.094E+05	-4.628E-02	-4.081E-05
718	3	152.20	1	6.169E+01	-5.334E-11	-6.144E-12	5.711E-08	-1.220E+02	1.213E+06	-6.458E-02	-5.441E-05
718	4	228.30	1	6.169E+01	-7.967E+03	-6.144E-12	5.711E-08	-1.220E+02	9.094E+05	-4.628E-02	-4.081E-05
718	5	304.40	1	6.169E+01	-1.593E+04	-6.144E-12	5.711E-08	-1.220E+02	-1.479E-01	4.426E-09	1.070E-11
719	1	0.00	1	-5.448E+02	1.427E+04	-6.332E-12	5.346E-08	1.982E+02	2.348E-01	0.000E+00	0.000E+00
719	2	76.10	1	-5.448E+02	7.133E+03	-6.332E-12	5.346E-08	1.982E+02	8.143E+05	-4.144E-02	6.630E-05

719	3	152.20	1	-5.448E+02	-3.270E-12	-6.332E-12	5.346E-08	1.982E+02	1.086E+06	-5.783E-02	8.839E-05
719	4	228.30	1	-5.448E+02	-7.133E+03	-6.332E-12	5.346E-08	1.982E+02	8.143E+05	-4.144E-02	6.630E-05
719	5	304.40	1	-5.448E+02	-1.427E+04	-6.332E-12	5.346E-08	1.982E+02	2.348E-01	2.180E-09	1.324E-11
720	1	0.00	1	1.763E+03	1.093E+04	-6.120E-12	4.877E-08	-2.019E+03	-2.925E+01	0.000E+00	0.000E+00
720	2	76.10	1	1.763E+03	5.467E+03	-6.120E-12	4.877E-08	-2.019E+03	6.240E+05	-3.176E-02	-6.750E-04
720	3	152.20	1	1.763E+03	2.352E-11	-6.120E-12	4.877E-08	-2.019E+03	8.320E+05	-4.431E-02	-9.001E-04
720	4	228.30	1	1.763E+03	-5.467E+03	-6.120E-12	4.877E-08	-2.019E+03	6.240E+05	-3.176E-02	-6.750E-04
720	5	304.40	1	1.763E+03	-1.093E+04	-6.120E-12	4.877E-08	-2.019E+03	-2.925E+01	6.332E-09	4.596E-11
721	1	0.00	1	1.791E+03	1.093E+04	6.413E-12	-4.888E-08	1.911E+03	2.929E+01	0.000E+00	0.000E+00
721	2	76.10	1	1.791E+03	5.467E+03	6.413E-12	-4.888E-08	1.911E+03	6.241E+05	-3.176E-02	6.392E-04
721	3	152.20	1	1.791E+03	-1.028E-11	6.413E-12	-4.888E-08	1.911E+03	8.321E+05	-4.432E-02	8.523E-04
721	4	228.30	1	1.791E+03	-5.467E+03	6.413E-12	-4.888E-08	1.911E+03	6.241E+05	-3.176E-02	6.392E-04
721	5	304.40	1	1.791E+03	-1.093E+04	6.413E-12	-4.888E-08	1.911E+03	2.929E+01	3.535E-10	1.824E-10
722	1	0.00	1	-5.537E+02	1.427E+04	5.451E-12	-5.033E-08	-3.837E+02	-4.461E-01	0.000E+00	0.000E+00
722	2	76.10	1	-5.537E+02	7.133E+03	5.451E-12	-5.033E-08	-3.837E+02	8.143E+05	-4.144E-02	-1.283E-04
722	3	152.20	1	-5.537E+02	-4.909E-12	5.451E-12	-5.033E-08	-3.837E+02	1.086E+06	-5.783E-02	-1.711E-04
722	4	228.30	1	-5.537E+02	-7.133E+03	5.451E-12	-5.033E-08	-3.837E+02	8.143E+05	-4.144E-02	-1.283E-04
722	5	304.40	1	-5.537E+02	-1.427E+04	5.451E-12	-5.033E-08	-3.837E+02	-4.461E-01	2.588E-09	5.278E-12
723	1	0.00	1	6.298E+01	1.593E+04	4.292E-12	-4.932E-08	-7.931E+01	-1.060E-01	0.000E+00	0.000E+00
723	2	76.10	1	6.298E+01	7.967E+03	4.292E-12	-4.932E-08	-7.931E+01	9.094E+05	-4.628E-02	-2.652E-05
723	3	152.20	1	6.298E+01	1.016E-11	4.292E-12	-4.932E-08	-7.931E+01	1.213E+06	-6.458E-02	-3.536E-05
723	4	228.30	1	6.298E+01	-7.967E+03	4.292E-12	-4.932E-08	-7.931E+01	9.094E+05	-4.628E-02	-2.652E-05
723	5	304.40	1	6.298E+01	-1.593E+04	4.292E-12	-4.932E-08	-7.931E+01	-1.060E-01	5.536E-11	3.883E-12
724	1	0.00	1	-4.410E+00	1.427E+04	3.248E-12	-4.820E-08	-8.961E+01	-1.021E-01	0.000E+00	0.000E+00
724	2	76.10	1	-4.410E+00	7.133E+03	3.248E-12	-4.820E-08	-8.961E+01	8.143E+05	-4.144E-02	-2.997E-05
724	3	152.20	1	-4.410E+00	7.067E-12	3.248E-12	-4.820E-08	-8.961E+01	1.086E+06	-5.783E-02	-3.995E-05
724	4	228.30	1	-4.410E+00	-7.133E+03	3.248E-12	-4.820E-08	-8.961E+01	8.143E+05	-4.144E-02	-2.997E-05
724	5	304.40	1	-4.410E+00	-1.427E+04	3.248E-12	-4.820E-08	-8.961E+01	-1.021E-01	1.347E-09	-1.719E-12
725	1	0.00	1	4.113E+00	1.093E+04	2.547E-12	-4.764E-08	-7.422E+01	-2.800E-01	0.000E+00	0.000E+00
725	2	76.10	1	4.113E+00	5.467E+03	2.547E-12	-4.764E-08	-7.422E+01	6.240E+05	-3.176E-02	-2.482E-05
725	3	152.20	1	4.113E+00	-1.648E-13	2.547E-12	-4.764E-08	-7.422E+01	8.321E+05	-4.432E-02	-3.309E-05
725	4	228.30	1	4.113E+00	-5.467E+03	2.547E-12	-4.764E-08	-7.422E+01	6.240E+05	-3.176E-02	-2.482E-05
725	5	304.40	1	4.113E+00	-1.093E+04	2.547E-12	-4.764E-08	-7.422E+01	-2.800E-01	-5.380E-09	-6.303E-12
726	1	0.00	1	-4.790E+00	1.093E+04	9.736E-12	-2.670E-09	-7.372E+01	-2.867E-01	0.000E+00	0.000E+00
726	2	76.10	1	-4.790E+00	5.467E+03	9.736E-12	-2.670E-09	-7.372E+01	6.240E+05	-3.176E-02	-2.465E-05
726	3	152.20	1	-4.790E+00	1.541E-11	9.736E-12	-2.670E-09	-7.372E+01	8.321E+05	-4.432E-02	-3.287E-05
726	4	228.30	1	-4.790E+00	-5.467E+03	9.736E-12	-2.670E-09	-7.372E+01	6.240E+05	-3.176E-02	-2.465E-05
726	5	304.40	1	-4.790E+00	-1.093E+04	9.736E-12	-2.670E-09	-7.372E+01	-2.867E-01	-4.063E-09	-2.096E-12
727	1	0.00	1	-1.845E+00	1.427E+04	1.151E-11	2.876E-10	-8.984E+01	-1.021E-01	0.000E+00	0.000E+00
727	2	76.10	1	-1.845E+00	7.133E+03	1.151E-11	2.876E-10	-8.984E+01	8.143E+05	-4.144E-02	-3.004E-05
727	3	152.20	1	-1.845E+00	1.026E-10	1.151E-11	2.876E-10	-8.984E+01	1.086E+06	-5.783E-02	-4.006E-05
727	4	228.30	1	-1.845E+00	-7.133E+03	1.151E-11	2.876E-10	-8.984E+01	8.143E+05	-4.144E-02	-3.004E-05
727	5	304.40	1	-1.845E+00	-1.427E+04	1.151E-11	2.876E-10	-8.984E+01	-1.021E-01	1.345E-09	-1.409E-12
728	1	0.00	1	6.169E+01	1.593E+04	1.253E-11	1.422E-09	-1.220E+02	-1.479E-01	0.000E+00	0.000E+00
728	2	76.10	1	6.169E+01	7.967E+03	1.253E-11	1.422E-09	-1.220E+02	9.094E+05	-4.628E-02	-4.081E-05
728	3	152.20	1	6.169E+01	8.928E-12	1.253E-11	1.422E-09	-1.220E+02	1.213E+06	-6.458E-02	-5.441E-05
728	4	228.30	1	6.169E+01	-7.967E+03	1.253E-11	1.422E-09	-1.220E+02	9.094E+05	-4.628E-02	-4.081E-05
728	5	304.40	1	6.169E+01	-1.593E+04	1.253E-11	1.422E-09	-1.220E+02	-1.479E-01	4.426E-09	1.071E-11
729	1	0.00	1	-5.448E+02	1.427E+04	1.285E-11	-8.087E-10	1.982E+02	2.348E-01	0.000E+00	0.000E+00
729	2	76.10	1	-5.448E+02	7.133E+03	1.285E-11	-8.087E-10	1.982E+02	8.143E+05	-4.144E-02	6.630E-05
729	3	152.20	1	-5.448E+02	8.784E-12	1.285E-11	-8.087E-10	1.982E+02	1.086E+06	-5.783E-02	8.839E-05
729	4	228.30	1	-5.448E+02	-7.133E+03	1.285E-11	-8.087E-10	1.982E+02	8.143E+05	-4.144E-02	6.630E-05
729	5	304.40	1	-5.448E+02	-1.427E+04	1.285E-11	-8.087E-10	1.982E+02	2.348E-01	2.180E-09	1.324E-11
730	1	0.00	1	1.763E+03	1.093E+04	1.245E-11	-5.329E-09	-2.019E+03	-2.925E+01	0.000E+00	0.000E+00
730	2	76.10	1	1.763E+03	5.467E+03	1.245E-11	-5.329E-09	-2.019E+03	6.240E+05	-3.176E-02	-6.750E-04
730	3	152.20	1	1.763E+03	4.516E-14	1.245E-11	-5.329E-09	-2.019E+03	8.320E+05	-4.431E-02	-9.001E-04
730	4	228.30	1	1.763E+03	-5.467E+03	1.245E-11	-5.329E-09	-2.019E+03	6.240E+05	-3.176E-02	-6.750E-04
730	5	304.40	1	1.763E+03	-1.093E+04	1.245E-11	-5.329E-09	-2.019E+03	-2.925E+01	6.332E-09	4.596E-11
731	1	0.00	1	1.791E+03	1.093E+04	-1.254E-14	-3.266E-08	1.911E+03	2.929E+01	0.000E+00	0.000E+00
731	2	76.10	1	1.791E+03	5.467E+03	-1.254E-14	-3.266E-08	1.911E+03	6.241E+05	-3.176E-02	6.392E-04
731	3	152.20	1	1.791E+03	1.650E-11	-1.254E-14	-3.266E-08	1.911E+03	8.321E+05	-4.432E-02	8.523E-04
731	4	228.30	1	1.791E+03	-5.467E+03	-1.254E-14	-3.266E-08	1.911E+03	6.241E+05	-3.176E-02	6.392E-04

731	5	304.40	1	1.791E+03	-1.093E+04	-1.254E-14	-3.266E-08	1.911E+03	2.929E+01	3.535E-10	1.824E-10
732	1	0.00	1	-5.537E+02	1.427E+04	-1.500E-12	-3.372E-08	-3.837E+02	-4.461E-01	0.000E+00	0.000E+00
732	2	76.10	1	-5.537E+02	7.133E+03	-1.500E-12	-3.372E-08	-3.837E+02	8.143E+05	-4.144E-02	-1.283E-04
732	3	152.20	1	-5.537E+02	1.078E-10	-1.500E-12	-3.372E-08	-3.837E+02	1.086E+06	-5.783E-02	-1.711E-04
732	4	228.30	1	-5.537E+02	-7.133E+03	-1.500E-12	-3.372E-08	-3.837E+02	8.143E+05	-4.144E-02	-1.283E-04
732	5	304.40	1	-5.537E+02	-1.427E+04	-1.500E-12	-3.372E-08	-3.837E+02	-4.461E-01	2.588E-09	5.278E-12
733	1	0.00	1	6.298E+01	1.593E+04	-9.836E-13	-3.715E-08	-7.931E+01	-1.060E-01	0.000E+00	0.000E+00
733	2	76.10	1	6.298E+01	7.967E+03	-9.836E-13	-3.715E-08	-7.931E+01	9.094E+05	-4.628E-02	-2.652E-05
733	3	152.20	1	6.298E+01	-2.649E-11	-9.836E-13	-3.715E-08	-7.931E+01	1.213E+06	-6.458E-02	-3.536E-05
733	4	228.30	1	6.298E+01	-7.967E+03	-9.836E-13	-3.715E-08	-7.931E+01	9.094E+05	-4.628E-02	-2.652E-05
733	5	304.40	1	6.298E+01	-1.593E+04	-9.836E-13	-3.715E-08	-7.931E+01	-1.060E-01	5.536E-11	3.883E-12
734	1	0.00	1	-4.410E+00	1.427E+04	-4.243E-13	-4.006E-08	-8.961E+01	-1.021E-01	0.000E+00	0.000E+00
734	2	76.10	1	-4.410E+00	7.133E+03	-4.243E-13	-4.006E-08	-8.961E+01	8.143E+05	-4.144E-02	-2.997E-05
734	3	152.20	1	-4.410E+00	-3.723E-11	-4.243E-13	-4.006E-08	-8.961E+01	1.086E+06	-5.783E-02	-3.995E-05
734	4	228.30	1	-4.410E+00	-7.133E+03	-4.243E-13	-4.006E-08	-8.961E+01	8.143E+05	-4.144E-02	-2.997E-05
734	5	304.40	1	-4.410E+00	-1.427E+04	-4.243E-13	-4.006E-08	-8.961E+01	-1.021E-01	1.347E-09	-1.719E-12
735	1	0.00	1	4.113E+00	1.093E+04	7.482E-15	-4.263E-08	-7.422E+01	-2.800E-01	0.000E+00	0.000E+00
735	2	76.10	1	4.113E+00	5.467E+03	7.482E-15	-4.263E-08	-7.422E+01	6.240E+05	-3.176E-02	-2.482E-05
735	3	152.20	1	4.113E+00	3.609E-12	7.482E-15	-4.263E-08	-7.422E+01	8.321E+05	-4.432E-02	-3.309E-05
735	4	228.30	1	4.113E+00	-5.467E+03	7.482E-15	-4.263E-08	-7.422E+01	6.240E+05	-3.176E-02	-2.482E-05
735	5	304.40	1	4.113E+00	-1.093E+04	7.482E-15	-4.263E-08	-7.422E+01	-2.800E-01	-5.380E-09	-6.303E-12
736	1	0.00	1	-4.794E+00	1.093E+04	-8.688E-13	6.710E-08	-7.371E+01	-2.868E-01	0.000E+00	0.000E+00
736	2	76.10	1	-4.794E+00	5.467E+03	-8.688E-13	6.710E-08	-7.371E+01	6.240E+05	-3.176E-02	-2.465E-05
736	3	152.20	1	-4.794E+00	3.549E-11	-8.688E-13	6.710E-08	-7.371E+01	8.321E+05	-4.432E-02	-3.287E-05
736	4	228.30	1	-4.794E+00	-5.467E+03	-8.688E-13	6.710E-08	-7.371E+01	6.240E+05	-3.176E-02	-2.465E-05
736	5	304.40	1	-4.794E+00	-1.093E+04	-8.688E-13	6.710E-08	-7.371E+01	-2.868E-01	-4.063E-09	-2.098E-12
737	1	0.00	1	-1.886E+00	1.427E+04	-1.189E-12	6.449E-08	-8.984E+01	-1.021E-01	0.000E+00	0.000E+00
737	2	76.10	1	-1.886E+00	7.133E+03	-1.189E-12	6.449E-08	-8.984E+01	8.143E+05	-4.144E-02	-3.004E-05
737	3	152.20	1	-1.886E+00	-2.803E-12	-1.189E-12	6.449E-08	-8.984E+01	1.086E+06	-5.783E-02	-4.006E-05
737	4	228.30	1	-1.886E+00	-7.133E+03	-1.189E-12	6.449E-08	-8.984E+01	8.143E+05	-4.144E-02	-3.004E-05
737	5	304.40	1	-1.886E+00	-1.427E+04	-1.189E-12	6.449E-08	-8.984E+01	-1.021E-01	1.345E-09	-1.410E-12
738	1	0.00	1	6.251E+01	1.593E+04	-1.570E-12	6.523E-08	-1.223E+02	-1.482E-01	0.000E+00	0.000E+00
738	2	76.10	1	6.251E+01	7.967E+03	-1.570E-12	6.523E-08	-1.223E+02	9.094E+05	-4.628E-02	-4.090E-05
738	3	152.20	1	6.251E+01	-3.005E-11	-1.570E-12	6.523E-08	-1.223E+02	1.213E+06	-6.458E-02	-5.454E-05
738	4	228.30	1	6.251E+01	-7.967E+03	-1.570E-12	6.523E-08	-1.223E+02	9.094E+05	-4.628E-02	-4.090E-05
738	5	304.40	1	6.251E+01	-1.593E+04	-1.570E-12	6.523E-08	-1.223E+02	-1.482E-01	4.426E-09	1.079E-11
739	1	0.00	1	-5.521E+02	1.427E+04	-2.046E-12	6.738E-08	2.021E+02	2.393E-01	0.000E+00	0.000E+00
739	2	76.10	1	-5.521E+02	7.133E+03	-2.046E-12	6.738E-08	2.021E+02	8.143E+05	-4.144E-02	6.758E-05
739	3	152.20	1	-5.521E+02	-4.437E-12	-2.046E-12	6.738E-08	2.021E+02	1.086E+06	-5.783E-02	9.011E-05
739	4	228.30	1	-5.521E+02	-7.133E+03	-2.046E-12	6.738E-08	2.021E+02	8.143E+05	-4.144E-02	6.758E-05
739	5	304.40	1	-5.521E+02	-1.427E+04	-2.046E-12	6.738E-08	2.021E+02	2.393E-01	2.180E-09	1.270E-11
740	1	0.00	1	1.786E+03	1.093E+04	-2.674E-12	6.784E-08	-2.045E+03	-2.963E+01	0.000E+00	0.000E+00
740	2	76.10	1	1.786E+03	5.467E+03	-2.674E-12	6.784E-08	-2.045E+03	6.240E+05	-3.176E-02	-6.837E-04
740	3	152.20	1	1.786E+03	-3.915E-12	-2.674E-12	6.784E-08	-2.045E+03	8.320E+05	-4.431E-02	-9.116E-04
740	4	228.30	1	1.786E+03	-5.467E+03	-2.674E-12	6.784E-08	-2.045E+03	6.240E+05	-3.176E-02	-6.837E-04
740	5	304.40	1	1.786E+03	-1.093E+04	-2.674E-12	6.784E-08	-2.045E+03	-2.963E+01	6.332E-09	5.028E-11
741	1	0.00	1	1.815E+03	1.093E+04	8.938E-12	1.825E-08	1.938E+03	2.968E+01	0.000E+00	0.000E+00
741	2	76.10	1	1.815E+03	5.467E+03	8.938E-12	1.825E-08	1.938E+03	6.241E+05	-3.176E-02	6.481E-04
741	3	152.20	1	1.815E+03	-2.974E-11	8.938E-12	1.825E-08	1.938E+03	8.321E+05	-4.432E-02	8.641E-04
741	4	228.30	1	1.815E+03	-5.467E+03	8.938E-12	1.825E-08	1.938E+03	6.241E+05	-3.176E-02	6.481E-04
741	5	304.40	1	1.815E+03	-1.093E+04	8.938E-12	1.825E-08	1.938E+03	2.968E+01	3.535E-10	1.877E-10
742	1	0.00	1	-5.611E+02	1.427E+04	1.294E-11	2.262E-08	-3.877E+02	-4.507E-01	0.000E+00	0.000E+00
742	2	76.10	1	-5.611E+02	7.133E+03	1.294E-11	2.262E-08	-3.877E+02	8.143E+05	-4.144E-02	-1.296E-04
742	3	152.20	1	-5.611E+02	3.595E-11	1.294E-11	2.262E-08	-3.877E+02	1.086E+06	-5.783E-02	-1.728E-04
742	4	228.30	1	-5.611E+02	-7.133E+03	1.294E-11	2.262E-08	-3.877E+02	8.143E+05	-4.144E-02	-1.296E-04
742	5	304.40	1	-5.611E+02	-1.427E+04	1.294E-11	2.262E-08	-3.877E+02	-4.507E-01	2.588E-09	4.241E-12
743	1	0.00	1	6.382E+01	1.593E+04	2.074E-11	2.609E-08	-7.902E+01	-1.057E-01	0.000E+00	0.000E+00
743	2	76.10	1	6.382E+01	7.967E+03	2.074E-11	2.609E-08	-7.902E+01	9.094E+05	-4.628E-02	-2.643E-05
743	3	152.20	1	6.382E+01	-4.928E-11	2.074E-11	2.609E-08	-7.902E+01	1.213E+06	-6.458E-02	-3.523E-05
743	4	228.30	1	6.382E+01	-7.967E+03	2.074E-11	2.609E-08	-7.902E+01	9.094E+05	-4.628E-02	-2.643E-05
743	5	304.40	1	6.382E+01	-1.593E+04	2.074E-11	2.609E-08	-7.902E+01	-1.057E-01	5.536E-11	3.922E-12
744	1	0.00	1	-4.452E+00	1.427E+04	3.047E-11	2.849E-08	-8.961E+01	-1.021E-01	0.000E+00	0.000E+00

744	2	76.10	1	-4.452E+00	7.133E+03	3.047E-11	2.849E-08	-8.961E+01	8.143E+05	-4.144E-02	-2.997E-05
744	3	152.20	1	-4.452E+00	-4.330E-11	3.047E-11	2.849E-08	-8.961E+01	1.086E+06	-5.783E-02	-3.995E-05
744	4	228.30	1	-4.452E+00	-7.133E+03	3.047E-11	2.849E-08	-8.961E+01	8.143E+05	-4.144E-02	-2.997E-05
744	5	304.40	1	-4.452E+00	-1.427E+04	3.047E-11	2.849E-08	-8.961E+01	-1.021E-01	1.347E-09	-1.716E-12
745	1	0.00	1	4.109E+00	1.093E+04	4.252E-11	3.016E-08	-7.422E+01	-2.799E-01	0.000E+00	0.000E+00
745	2	76.10	1	4.109E+00	5.467E+03	4.252E-11	3.016E-08	-7.422E+01	6.240E+05	-3.176E-02	-2.482E-05
745	3	152.20	1	4.109E+00	2.297E-12	4.252E-11	3.016E-08	-7.422E+01	8.321E+05	-4.432E-02	-3.309E-05
745	4	228.30	1	4.109E+00	-5.467E+03	4.252E-11	3.016E-08	-7.422E+01	6.240E+05	-3.176E-02	-2.482E-05
745	5	304.40	1	4.109E+00	-1.093E+04	4.252E-11	3.016E-08	-7.422E+01	-2.799E-01	-5.380E-09	-6.298E-12
746	1	0.00	1	-4.790E+00	1.093E+04	9.176E-13	-1.001E-07	-7.372E+01	-2.867E-01	0.000E+00	0.000E+00
746	2	76.10	1	-4.790E+00	5.467E+03	9.176E-13	-1.001E-07	-7.372E+01	6.240E+05	-3.176E-02	-2.465E-05
746	3	152.20	1	-4.790E+00	-5.659E-12	9.176E-13	-1.001E-07	-7.372E+01	8.321E+05	-4.432E-02	-3.287E-05
746	4	228.30	1	-4.790E+00	-5.467E+03	9.176E-13	-1.001E-07	-7.372E+01	6.240E+05	-3.176E-02	-2.465E-05
746	5	304.40	1	-4.790E+00	-1.093E+04	9.176E-13	-1.001E-07	-7.372E+01	-2.867E-01	-4.063E-09	-2.097E-12
747	1	0.00	1	-1.845E+00	1.427E+04	1.202E-12	-1.020E-07	-8.984E+01	-1.021E-01	0.000E+00	0.000E+00
747	2	76.10	1	-1.845E+00	7.133E+03	1.202E-12	-1.020E-07	-8.984E+01	8.143E+05	-4.144E-02	-3.004E-05
747	3	152.20	1	-1.845E+00	-4.225E-11	1.202E-12	-1.020E-07	-8.984E+01	1.086E+06	-5.783E-02	-4.006E-05
747	4	228.30	1	-1.845E+00	-7.133E+03	1.202E-12	-1.020E-07	-8.984E+01	8.143E+05	-4.144E-02	-3.004E-05
747	5	304.40	1	-1.845E+00	-1.427E+04	1.202E-12	-1.020E-07	-8.984E+01	-1.021E-01	1.345E-09	-1.410E-12
748	1	0.00	1	6.169E+01	1.593E+04	1.601E-12	-1.021E-07	-1.220E+02	-1.479E-01	0.000E+00	0.000E+00
748	2	76.10	1	6.169E+01	7.967E+03	1.601E-12	-1.021E-07	-1.220E+02	9.094E+05	-4.628E-02	-4.081E-05
748	3	152.20	1	6.169E+01	3.606E-12	1.601E-12	-1.021E-07	-1.220E+02	1.213E+06	-6.458E-02	-5.441E-05
748	4	228.30	1	6.169E+01	-7.967E+03	1.601E-12	-1.021E-07	-1.220E+02	9.094E+05	-4.628E-02	-4.081E-05
748	5	304.40	1	6.169E+01	-1.593E+04	1.601E-12	-1.021E-07	-1.220E+02	-1.479E-01	4.426E-09	1.071E-11
749	1	0.00	1	-5.448E+02	1.427E+04	2.111E-12	-1.026E-07	1.982E+02	2.348E-01	0.000E+00	0.000E+00
749	2	76.10	1	-5.448E+02	7.133E+03	2.111E-12	-1.026E-07	1.982E+02	8.143E+05	-4.144E-02	6.630E-05
749	3	152.20	1	-5.448E+02	1.694E-11	2.111E-12	-1.026E-07	1.982E+02	1.086E+06	-5.783E-02	8.839E-05
749	4	228.30	1	-5.448E+02	-7.133E+03	2.111E-12	-1.026E-07	1.982E+02	8.143E+05	-4.144E-02	6.630E-05
749	5	304.40	1	-5.448E+02	-1.427E+04	2.111E-12	-1.026E-07	1.982E+02	2.348E-01	2.180E-09	1.324E-11
750	1	0.00	1	1.763E+03	1.093E+04	2.804E-12	-1.015E-07	-2.019E+03	-2.925E+01	0.000E+00	0.000E+00
750	2	76.10	1	1.763E+03	5.467E+03	2.804E-12	-1.015E-07	-2.019E+03	6.240E+05	-3.176E-02	-6.750E-04
750	3	152.20	1	1.763E+03	2.355E-11	2.804E-12	-1.015E-07	-2.019E+03	8.320E+05	-4.431E-02	-9.001E-04
750	4	228.30	1	1.763E+03	-5.467E+03	2.804E-12	-1.015E-07	-2.019E+03	6.240E+05	-3.176E-02	-6.750E-04
750	5	304.40	1	1.763E+03	-1.093E+04	2.804E-12	-1.015E-07	-2.019E+03	-2.925E+01	6.332E-09	4.596E-11
751	1	0.00	1	1.791E+03	1.093E+04	8.685E-12	6.092E-08	1.911E+03	2.929E+01	0.000E+00	0.000E+00
751	2	76.10	1	1.791E+03	5.467E+03	8.685E-12	6.092E-08	1.911E+03	6.241E+05	-3.176E-02	6.392E-04
751	3	152.20	1	1.791E+03	-3.517E-11	8.685E-12	6.092E-08	1.911E+03	8.321E+05	-4.432E-02	8.523E-04
751	4	228.30	1	1.791E+03	-5.467E+03	8.685E-12	6.092E-08	1.911E+03	6.241E+05	-3.176E-02	6.392E-04
751	5	304.40	1	1.791E+03	-1.093E+04	8.685E-12	6.092E-08	1.911E+03	2.929E+01	3.535E-10	1.824E-10
752	1	0.00	1	-5.537E+02	1.427E+04	9.690E-12	6.260E-08	-3.837E+02	-4.461E-01	0.000E+00	0.000E+00
752	2	76.10	1	-5.537E+02	7.133E+03	9.690E-12	6.260E-08	-3.837E+02	8.143E+05	-4.144E-02	-1.283E-04
752	3	152.20	1	-5.537E+02	3.899E-11	9.690E-12	6.260E-08	-3.837E+02	1.086E+06	-5.783E-02	-1.711E-04
752	4	228.30	1	-5.537E+02	-7.133E+03	9.690E-12	6.260E-08	-3.837E+02	8.143E+05	-4.144E-02	-1.283E-04
752	5	304.40	1	-5.537E+02	-1.427E+04	9.690E-12	6.260E-08	-3.837E+02	-4.461E-01	2.588E-09	5.279E-12
753	1	0.00	1	6.298E+01	1.593E+04	9.925E-12	6.328E-08	-7.931E+01	-1.060E-01	0.000E+00	0.000E+00
753	2	76.10	1	6.298E+01	7.967E+03	9.925E-12	6.328E-08	-7.931E+01	9.094E+05	-4.628E-02	-2.652E-05
753	3	152.20	1	6.298E+01	-8.036E-12	9.925E-12	6.328E-08	-7.931E+01	1.213E+06	-6.458E-02	-3.536E-05
753	4	228.30	1	6.298E+01	-7.967E+03	9.925E-12	6.328E-08	-7.931E+01	9.094E+05	-4.628E-02	-2.652E-05
753	5	304.40	1	6.298E+01	-1.593E+04	9.925E-12	6.328E-08	-7.931E+01	-1.060E-01	5.536E-11	3.884E-12
754	1	0.00	1	-4.410E+00	1.427E+04	1.044E-11	6.251E-08	-8.961E+01	-1.021E-01	0.000E+00	0.000E+00
754	2	76.10	1	-4.410E+00	7.133E+03	1.044E-11	6.251E-08	-8.961E+01	8.143E+05	-4.144E-02	-2.997E-05
754	3	152.20	1	-4.410E+00	7.102E-11	1.044E-11	6.251E-08	-8.961E+01	1.086E+06	-5.783E-02	-3.995E-05
754	4	228.30	1	-4.410E+00	-7.133E+03	1.044E-11	6.251E-08	-8.961E+01	8.143E+05	-4.144E-02	-2.997E-05
754	5	304.40	1	-4.410E+00	-1.427E+04	1.044E-11	6.251E-08	-8.961E+01	-1.021E-01	1.347E-09	-1.718E-12
755	1	0.00	1	4.113E+00	1.093E+04	1.163E-11	5.880E-08	-7.422E+01	-2.800E-01	0.000E+00	0.000E+00
755	2	76.10	1	4.113E+00	5.467E+03	1.163E-11	5.880E-08	-7.422E+01	6.240E+05	-3.176E-02	-2.482E-05
755	3	152.20	1	4.113E+00	-3.964E-12	1.163E-11	5.880E-08	-7.422E+01	8.321E+05	-4.432E-02	-3.309E-05
755	4	228.30	1	4.113E+00	-5.467E+03	1.163E-11	5.880E-08	-7.422E+01	6.240E+05	-3.176E-02	-2.482E-05
755	5	304.40	1	4.113E+00	-1.093E+04	1.163E-11	5.880E-08	-7.422E+01	-2.800E-01	-5.380E-09	-6.302E-12
756	1	0.00	1	-4.790E+00	1.093E+04	-5.722E-13	1.214E-08	-7.372E+01	-2.867E-01	0.000E+00	0.000E+00
756	2	76.10	1	-4.790E+00	5.467E+03	-5.722E-13	1.214E-08	-7.372E+01	6.240E+05	-3.176E-02	-2.465E-05
756	3	152.20	1	-4.790E+00	2.132E-11	-5.722E-13	1.214E-08	-7.372E+01	8.321E+05	-4.432E-02	-3.287E-05

756	4	228.30	1	-4.790E+00	-5.467E+03	-5.722E-13	1.214E-08	-7.372E+01	6.240E+05	-3.176E-02	-2.465E-05
756	5	304.40	1	-4.790E+00	-1.093E+04	-5.722E-13	1.214E-08	-7.372E+01	-2.867E-01	-4.063E-09	-2.097E-12
757	1	0.00	1	-1.845E+00	1.427E+04	-7.592E-13	8.066E-09	-8.984E+01	-1.021E-01	0.000E+00	0.000E+00
757	2	76.10	1	-1.845E+00	7.133E+03	-7.592E-13	8.066E-09	-8.984E+01	8.143E+05	-4.144E-02	-3.004E-05
757	3	152.20	1	-1.845E+00	-5.330E-11	-7.592E-13	8.066E-09	-8.984E+01	1.086E+06	-5.783E-02	-4.006E-05
757	4	228.30	1	-1.845E+00	-7.133E+03	-7.592E-13	8.066E-09	-8.984E+01	8.143E+05	-4.144E-02	-3.004E-05
757	5	304.40	1	-1.845E+00	-1.427E+04	-7.592E-13	8.066E-09	-8.984E+01	-1.021E-01	1.345E-09	-1.410E-12
758	1	0.00	1	6.169E+01	1.593E+04	-1.028E-12	4.009E-09	-1.220E+02	-1.479E-01	0.000E+00	0.000E+00
758	2	76.10	1	6.169E+01	7.967E+03	-1.028E-12	4.009E-09	-1.220E+02	9.094E+05	-4.628E-02	-4.081E-05
758	3	152.20	1	6.169E+01	2.893E-11	-1.028E-12	4.009E-09	-1.220E+02	1.213E+06	-6.458E-02	-5.441E-05
758	4	228.30	1	6.169E+01	-7.967E+03	-1.028E-12	4.009E-09	-1.220E+02	9.094E+05	-4.628E-02	-4.081E-05
758	5	304.40	1	6.169E+01	-1.593E+04	-1.028E-12	4.009E-09	-1.220E+02	-1.479E-01	4.426E-09	1.071E-11
759	1	0.00	1	-5.448E+02	1.427E+04	-1.439E-12	2.979E-10	1.982E+02	2.348E-01	0.000E+00	0.000E+00
759	2	76.10	1	-5.448E+02	7.133E+03	-1.439E-12	2.979E-10	1.982E+02	8.143E+05	-4.144E-02	6.630E-05
759	3	152.20	1	-5.448E+02	3.144E-11	-1.439E-12	2.979E-10	1.982E+02	1.086E+06	-5.783E-02	8.839E-05
759	4	228.30	1	-5.448E+02	-7.133E+03	-1.439E-12	2.979E-10	1.982E+02	8.143E+05	-4.144E-02	6.630E-05
759	5	304.40	1	-5.448E+02	-1.427E+04	-1.439E-12	2.979E-10	1.982E+02	2.348E-01	2.180E-09	1.324E-11
760	1	0.00	1	1.763E+03	1.093E+04	-1.969E-12	-3.921E-09	-2.019E+03	-2.925E+01	0.000E+00	0.000E+00
760	2	76.10	1	1.763E+03	5.467E+03	-1.969E-12	-3.921E-09	-2.019E+03	6.240E+05	-3.176E-02	-6.750E-04
760	3	152.20	1	1.763E+03	1.840E-12	-1.969E-12	-3.921E-09	-2.019E+03	8.320E+05	-4.431E-02	-9.001E-04
760	4	228.30	1	1.763E+03	-5.467E+03	-1.969E-12	-3.921E-09	-2.019E+03	6.240E+05	-3.176E-02	-6.750E-04
760	5	304.40	1	1.763E+03	-1.093E+04	-1.969E-12	-3.921E-09	-2.019E+03	-2.925E+01	6.332E-09	4.596E-11
761	1	0.00	1	1.791E+03	1.093E+04	2.668E-12	-1.586E-08	1.911E+03	2.929E+01	0.000E+00	0.000E+00
761	2	76.10	1	1.791E+03	5.467E+03	2.668E-12	-1.586E-08	1.911E+03	6.241E+05	-3.176E-02	6.392E-04
761	3	152.20	1	1.791E+03	2.658E-11	2.668E-12	-1.586E-08	1.911E+03	8.321E+05	-4.432E-02	8.523E-04
761	4	228.30	1	1.791E+03	-5.467E+03	2.668E-12	-1.586E-08	1.911E+03	6.241E+05	-3.176E-02	6.392E-04
761	5	304.40	1	1.791E+03	-1.093E+04	2.668E-12	-1.586E-08	1.911E+03	2.929E+01	3.535E-10	1.824E-10
762	1	0.00	1	-5.537E+02	1.427E+04	3.657E-12	-1.471E-08	-3.837E+02	-4.461E-01	0.000E+00	0.000E+00
762	2	76.10	1	-5.537E+02	7.133E+03	3.657E-12	-1.471E-08	-3.837E+02	8.143E+05	-4.144E-02	-1.283E-04
762	3	152.20	1	-5.537E+02	6.010E-11	3.657E-12	-1.471E-08	-3.837E+02	1.086E+06	-5.783E-02	-1.711E-04
762	4	228.30	1	-5.537E+02	-7.133E+03	3.657E-12	-1.471E-08	-3.837E+02	8.143E+05	-4.144E-02	-1.283E-04
762	5	304.40	1	-5.537E+02	-1.427E+04	3.657E-12	-1.471E-08	-3.837E+02	-4.461E-01	2.588E-09	5.279E-12
763	1	0.00	1	6.298E+01	1.593E+04	5.838E-12	-1.284E-08	-7.931E+01	-1.060E-01	0.000E+00	0.000E+00
763	2	76.10	1	6.298E+01	7.967E+03	5.838E-12	-1.284E-08	-7.931E+01	9.094E+05	-4.628E-02	-2.652E-05
763	3	152.20	1	6.298E+01	-3.623E-13	5.838E-12	-1.284E-08	-7.931E+01	1.213E+06	-6.458E-02	-3.536E-05
763	4	228.30	1	6.298E+01	-7.967E+03	5.838E-12	-1.284E-08	-7.931E+01	9.094E+05	-4.628E-02	-2.652E-05
763	5	304.40	1	6.298E+01	-1.593E+04	5.838E-12	-1.284E-08	-7.931E+01	-1.060E-01	5.536E-11	3.883E-12
764	1	0.00	1	-4.410E+00	1.427E+04	8.803E-12	-1.332E-08	-8.961E+01	-1.021E-01	0.000E+00	0.000E+00
764	2	76.10	1	-4.410E+00	7.133E+03	8.803E-12	-1.332E-08	-8.961E+01	8.143E+05	-4.144E-02	-2.997E-05
764	3	152.20	1	-4.410E+00	-9.252E-12	8.803E-12	-1.332E-08	-8.961E+01	1.086E+06	-5.783E-02	-3.995E-05
764	4	228.30	1	-4.410E+00	-7.133E+03	8.803E-12	-1.332E-08	-8.961E+01	8.143E+05	-4.144E-02	-2.997E-05
764	5	304.40	1	-4.410E+00	-1.427E+04	8.803E-12	-1.332E-08	-8.961E+01	-1.021E-01	1.347E-09	-1.718E-12
765	1	0.00	1	4.113E+00	1.093E+04	1.239E-11	-1.669E-08	-7.422E+01	-2.800E-01	0.000E+00	0.000E+00
765	2	76.10	1	4.113E+00	5.467E+03	1.239E-11	-1.669E-08	-7.422E+01	6.240E+05	-3.176E-02	-2.482E-05
765	3	152.20	1	4.113E+00	2.826E-11	1.239E-11	-1.669E-08	-7.422E+01	8.321E+05	-4.432E-02	-3.309E-05
765	4	228.30	1	4.113E+00	-5.467E+03	1.239E-11	-1.669E-08	-7.422E+01	6.240E+05	-3.176E-02	-2.482E-05
765	5	304.40	1	4.113E+00	-1.093E+04	1.239E-11	-1.669E-08	-7.422E+01	-2.800E-01	-5.380E-09	-6.302E-12
766	1	0.00	1	-4.790E+00	1.093E+04	-1.902E-11	4.804E-09	-7.372E+01	-2.867E-01	0.000E+00	0.000E+00
766	2	76.10	1	-4.790E+00	5.467E+03	-1.902E-11	4.804E-09	-7.372E+01	6.240E+05	-3.176E-02	-2.465E-05
766	3	152.20	1	-4.790E+00	-1.947E-11	-1.902E-11	4.804E-09	-7.372E+01	8.321E+05	-4.432E-02	-3.287E-05
766	4	228.30	1	-4.790E+00	-5.467E+03	-1.902E-11	4.804E-09	-7.372E+01	6.240E+05	-3.176E-02	-2.465E-05
766	5	304.40	1	-4.790E+00	-1.093E+04	-1.902E-11	4.804E-09	-7.372E+01	-2.867E-01	-4.063E-09	-2.098E-12
767	1	0.00	1	-1.845E+00	1.427E+04	-2.216E-11	-7.776E-10	-8.984E+01	-1.021E-01	0.000E+00	0.000E+00
767	2	76.10	1	-1.845E+00	7.133E+03	-2.216E-11	-7.776E-10	-8.984E+01	8.143E+05	-4.144E-02	-3.004E-05
767	3	152.20	1	-1.845E+00	3.276E-11	-2.216E-11	-7.776E-10	-8.984E+01	1.086E+06	-5.783E-02	-4.006E-05
767	4	228.30	1	-1.845E+00	-7.133E+03	-2.216E-11	-7.776E-10	-8.984E+01	8.143E+05	-4.144E-02	-3.004E-05
767	5	304.40	1	-1.845E+00	-1.427E+04	-2.216E-11	-7.776E-10	-8.984E+01	-1.021E-01	1.345E-09	-1.412E-12
768	1	0.00	1	6.169E+01	1.593E+04	-2.348E-11	-4.413E-09	-1.220E+02	-1.479E-01	0.000E+00	0.000E+00
768	2	76.10	1	6.169E+01	7.967E+03	-2.348E-11	-4.413E-09	-1.220E+02	9.094E+05	-4.628E-02	-4.081E-05
768	3	152.20	1	6.169E+01	-2.812E-11	-2.348E-11	-4.413E-09	-1.220E+02	1.213E+06	-6.458E-02	-5.441E-05
768	4	228.30	1	6.169E+01	-7.967E+03	-2.348E-11	-4.413E-09	-1.220E+02	9.094E+05	-4.628E-02	-4.081E-05
768	5	304.40	1	6.169E+01	-1.593E+04	-2.348E-11	-4.413E-09	-1.220E+02	-1.479E-01	4.426E-09	1.070E-11

769	1	0.00	1	-5.448E+02	1.427E+04	-2.283E-11	-5.430E-09	1.982E+02	2.348E-01	0.000E+00	0.000E+00
769	2	76.10	1	-5.448E+02	7.133E+03	-2.283E-11	-5.430E-09	1.982E+02	8.143E+05	-4.144E-02	6.630E-05
769	3	152.20	1	-5.448E+02	-4.816E-11	-2.283E-11	-5.430E-09	1.982E+02	1.086E+06	-5.783E-02	8.839E-05
769	4	228.30	1	-5.448E+02	-7.133E+03	-2.283E-11	-5.430E-09	1.982E+02	8.143E+05	-4.144E-02	6.630E-05
769	5	304.40	1	-5.448E+02	-1.427E+04	-2.283E-11	-5.430E-09	1.982E+02	2.348E-01	2.180E-09	1.324E-11
770	1	0.00	1	1.763E+03	1.093E+04	-2.010E-11	-4.898E-09	-2.019E+03	-2.925E+01	0.000E+00	0.000E+00
770	2	76.10	1	1.763E+03	5.467E+03	-2.010E-11	-4.898E-09	-2.019E+03	6.240E+05	-3.176E-02	-6.750E-04
770	3	152.20	1	1.763E+03	5.140E-12	-2.010E-11	-4.898E-09	-2.019E+03	8.320E+05	-4.431E-02	-9.001E-04
770	4	228.30	1	1.763E+03	-5.467E+03	-2.010E-11	-4.898E-09	-2.019E+03	6.240E+05	-3.176E-02	-6.750E-04
770	5	304.40	1	1.763E+03	-1.093E+04	-2.010E-11	-4.898E-09	-2.019E+03	-2.925E+01	6.332E-09	4.596E-11
771	1	0.00	1	1.791E+03	1.093E+04	-4.512E-12	7.968E-08	1.911E+03	2.929E+01	0.000E+00	0.000E+00
771	2	76.10	1	1.791E+03	5.467E+03	-4.512E-12	7.968E-08	1.911E+03	6.241E+05	-3.176E-02	6.392E-04
771	3	152.20	1	1.791E+03	-4.364E-12	-4.512E-12	7.968E-08	1.911E+03	8.321E+05	-4.432E-02	8.523E-04
771	4	228.30	1	1.791E+03	-5.467E+03	-4.512E-12	7.968E-08	1.911E+03	6.241E+05	-3.176E-02	6.392E-04
771	5	304.40	1	1.791E+03	-1.093E+04	-4.512E-12	7.968E-08	1.911E+03	2.929E+01	3.535E-10	1.824E-10
772	1	0.00	1	-5.537E+02	1.427E+04	-5.916E-12	7.601E-08	-3.837E+02	-4.461E-01	0.000E+00	0.000E+00
772	2	76.10	1	-5.537E+02	7.133E+03	-5.916E-12	7.601E-08	-3.837E+02	8.143E+05	-4.144E-02	-1.283E-04
772	3	152.20	1	-5.537E+02	-1.624E-11	-5.916E-12	7.601E-08	-3.837E+02	1.086E+06	-5.783E-02	-1.711E-04
772	4	228.30	1	-5.537E+02	-7.133E+03	-5.916E-12	7.601E-08	-3.837E+02	8.143E+05	-4.144E-02	-1.283E-04
772	5	304.40	1	-5.537E+02	-1.427E+04	-5.916E-12	7.601E-08	-3.837E+02	-4.461E-01	2.588E-09	5.278E-12
773	1	0.00	1	6.298E+01	1.593E+04	-6.538E-12	6.961E-08	-7.931E+01	-1.060E-01	0.000E+00	0.000E+00
773	2	76.10	1	6.298E+01	7.967E+03	-6.538E-12	6.961E-08	-7.931E+01	9.094E+05	-4.628E-02	-2.652E-05
773	3	152.20	1	6.298E+01	4.094E-11	-6.538E-12	6.961E-08	-7.931E+01	1.213E+06	-6.458E-02	-3.536E-05
773	4	228.30	1	6.298E+01	-7.967E+03	-6.538E-12	6.961E-08	-7.931E+01	9.094E+05	-4.628E-02	-2.652E-05
773	5	304.40	1	6.298E+01	-1.593E+04	-6.538E-12	6.961E-08	-7.931E+01	-1.060E-01	5.536E-11	3.882E-12
774	1	0.00	1	-4.410E+00	1.427E+04	-6.332E-12	6.323E-08	-8.961E+01	-1.021E-01	0.000E+00	0.000E+00
774	2	76.10	1	-4.410E+00	7.133E+03	-6.332E-12	6.323E-08	-8.961E+01	8.143E+05	-4.144E-02	-2.997E-05
774	3	152.20	1	-4.410E+00	-1.480E-11	-6.332E-12	6.323E-08	-8.961E+01	1.086E+06	-5.783E-02	-3.995E-05
774	4	228.30	1	-4.410E+00	-7.133E+03	-6.332E-12	6.323E-08	-8.961E+01	8.143E+05	-4.144E-02	-2.997E-05
774	5	304.40	1	-4.410E+00	-1.427E+04	-6.332E-12	6.323E-08	-8.961E+01	-1.021E-01	1.347E-09	-1.720E-12
775	1	0.00	1	4.113E+00	1.093E+04	-5.389E-12	5.930E-08	-7.422E+01	-2.800E-01	0.000E+00	0.000E+00
775	2	76.10	1	4.113E+00	5.467E+03	-5.389E-12	5.930E-08	-7.422E+01	6.240E+05	-3.176E-02	-2.482E-05
775	3	152.20	1	4.113E+00	-1.662E-11	-5.389E-12	5.930E-08	-7.422E+01	8.321E+05	-4.432E-02	-3.309E-05
775	4	228.30	1	4.113E+00	-5.467E+03	-5.389E-12	5.930E-08	-7.422E+01	6.240E+05	-3.176E-02	-2.482E-05
775	5	304.40	1	4.113E+00	-1.093E+04	-5.389E-12	5.930E-08	-7.422E+01	-2.800E-01	-5.380E-09	-6.303E-12
776	1	0.00	1	-4.453E+00	1.093E+04	-1.980E-12	-7.487E-08	-7.397E+01	-2.834E-01	0.000E+00	0.000E+00
776	2	76.10	1	-4.453E+00	5.467E+03	-1.980E-12	-7.487E-08	-7.397E+01	6.240E+05	-3.176E-02	-2.474E-05
776	3	152.20	1	-4.453E+00	9.628E-12	-1.980E-12	-7.487E-08	-7.397E+01	8.321E+05	-4.432E-02	-3.298E-05
776	4	228.30	1	-4.453E+00	-5.467E+03	-1.980E-12	-7.487E-08	-7.397E+01	6.240E+05	-3.176E-02	-2.474E-05
776	5	304.40	1	-4.453E+00	-1.093E+04	-1.980E-12	-7.487E-08	-7.397E+01	-2.834E-01	-4.677E-09	6.466E-12
777	1	0.00	1	1.273E+00	1.427E+04	-1.359E-12	-8.218E-08	-8.972E+01	-1.021E-01	0.000E+00	0.000E+00
777	2	76.10	1	1.273E+00	7.133E+03	-1.359E-12	-8.218E-08	-8.972E+01	8.143E+05	-4.144E-02	-3.000E-05
777	3	152.20	1	1.273E+00	-4.878E-11	-1.359E-12	-8.218E-08	-8.972E+01	1.086E+06	-5.783E-02	-4.001E-05
777	4	228.30	1	1.273E+00	-7.133E+03	-1.359E-12	-8.218E-08	-8.972E+01	8.143E+05	-4.144E-02	-3.000E-05
777	5	304.40	1	1.273E+00	-1.427E+04	-1.359E-12	-8.218E-08	-8.972E+01	-1.021E-01	1.346E-09	1.746E-12
778	1	0.00	1	-4.515E-01	1.593E+04	-6.246E-13	-8.907E-08	-1.007E+02	-1.270E-01	0.000E+00	0.000E+00
778	2	76.10	1	-4.515E-01	7.967E+03	-6.246E-13	-8.907E-08	-1.007E+02	9.094E+05	-4.628E-02	-3.369E-05
778	3	152.20	1	-4.515E-01	-2.746E-11	-6.246E-13	-8.907E-08	-1.007E+02	1.213E+06	-6.458E-02	-4.492E-05
778	4	228.30	1	-4.515E-01	-7.967E+03	-6.246E-13	-8.907E-08	-1.007E+02	9.094E+05	-4.628E-02	-3.369E-05
778	5	304.40	1	-4.515E-01	-1.593E+04	-6.246E-13	-8.907E-08	-1.007E+02	-1.270E-01	2.855E-09	9.803E-12
779	1	0.00	1	2.728E+00	1.427E+04	3.440E-14	-9.357E-08	-9.183E+01	-1.046E-01	0.000E+00	0.000E+00
779	2	76.10	1	2.728E+00	7.133E+03	3.440E-14	-9.357E-08	-9.183E+01	8.143E+05	-4.144E-02	-3.071E-05
779	3	152.20	1	2.728E+00	-1.557E-11	3.440E-14	-9.357E-08	-9.183E+01	1.086E+06	-5.783E-02	-4.095E-05
779	4	228.30	1	2.728E+00	-7.133E+03	3.440E-14	-9.357E-08	-9.183E+01	8.143E+05	-4.144E-02	-3.071E-05
779	5	304.40	1	2.728E+00	-1.427E+04	3.440E-14	-9.357E-08	-9.183E+01	-1.046E-01	1.691E-09	-9.671E-13
780	1	0.00	1	-8.415E+00	1.093E+04	8.166E-13	-9.446E-08	-5.973E+01	-7.140E-02	0.000E+00	0.000E+00
780	2	76.10	1	-8.415E+00	5.467E+03	8.166E-13	-9.446E-08	-5.973E+01	6.240E+05	-3.176E-02	-1.998E-05
780	3	152.20	1	-8.415E+00	4.331E-12	8.166E-13	-9.446E-08	-5.973E+01	8.321E+05	-4.432E-02	-2.663E-05
780	4	228.30	1	-8.415E+00	-5.467E+03	8.166E-13	-9.446E-08	-5.973E+01	6.240E+05	-3.176E-02	-1.998E-05
780	5	304.40	1	-8.415E+00	-1.093E+04	8.166E-13	-9.446E-08	-5.973E+01	-7.140E-02	4.134E-09	-2.071E-12
1001	1	0.00	1	-6.540E+04	4.241E-10	-1.280E+02	0.000E+00	-4.492E+03	-1.357E-08	0.000E+00	0.000E+00
1001	2	8.77	1	-6.534E+04	4.241E-10	-1.280E+02	0.000E+00	-3.369E+03	-9.850E-09	9.513E-18	-3.625E-08

1001	3	17.54	1	-6.528E+04	4.241E-10	-1.280E+02	0.000E+00	-2.246E+03	-6.129E-09	1.055E-17	-4.142E-06
1001	4	26.31	1	-6.521E+04	4.241E-10	-1.280E+02	0.000E+00	-1.123E+03	-2.407E-09	6.310E-18	-2.589E-06
1001	5	35.08	1	-6.515E+04	4.241E-10	-1.280E+02	0.000E+00	-1.903E-12	1.315E-09	-2.601E-24	-6.566E-13
1002	1	0.00	1	-6.540E+04	3.367E-10	1.280E+02	0.000E+00	4.492E+03	-1.074E-08	0.000E+00	0.000E+00
1002	2	8.77	1	-6.534E+04	3.367E-10	1.280E+02	0.000E+00	3.369E+03	-7.787E-09	7.502E-18	3.625E-06
1002	3	17.54	1	-6.528E+04	3.367E-10	1.280E+02	0.000E+00	2.246E+03	-4.833E-09	8.319E-18	4.142E-06
1002	4	26.31	1	-6.521E+04	3.367E-10	1.280E+02	0.000E+00	1.123E+03	-1.878E-09	4.976E-18	2.589E-06
1002	5	35.08	1	-6.515E+04	3.367E-10	1.280E+02	0.000E+00	2.856E-13	1.076E-09	-4.313E-25	6.566E-13
1003	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1003	2	1.98	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1003	3	3.96	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1003	4	5.94	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1003	5	7.92	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1004	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1004	2	1.98	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1004	3	3.96	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1004	4	5.94	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1004	5	7.92	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1005	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1005	2	2.02	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1005	3	4.04	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1005	4	6.06	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1005	5	8.08	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1006	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1006	2	2.02	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1006	3	4.04	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1006	4	6.06	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1006	5	8.08	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1007	1	0.00	1	-6.521E+04	-2.707E-10	1.719E+04	0.000E+00	1.358E+05	1.516E-09	0.000E+00	0.000E+00
1007	2	1.98	1	-6.519E+04	-2.707E-10	1.719E+04	0.000E+00	1.018E+05	9.817E-10	0.000E+00	5.550E-06
1007	3	3.96	1	-6.518E+04	-2.707E-10	1.719E+04	0.000E+00	6.788E+04	4.471E-10	0.000E+00	6.342E-06
1007	4	5.94	1	-6.517E+04	-2.707E-10	1.719E+04	0.000E+00	3.394E+04	-8.752E-11	0.000E+00	3.964E-06
1007	5	7.92	1	-6.515E+04	-2.707E-10	1.719E+04	0.000E+00	2.808E-09	-6.221E-10	0.000E+00	-2.039E-13
1008	1	0.00	1	-6.521E+04	6.064E-11	-1.719E+04	0.000E+00	-1.358E+05	-1.060E-09	0.000E+00	0.000E+00
1008	2	1.98	1	-6.519E+04	6.064E-11	-1.719E+04	0.000E+00	-1.018E+05	-9.399E-10	0.000E+00	-5.550E-06
1008	3	3.96	1	-6.518E+04	6.064E-11	-1.719E+04	0.000E+00	-6.788E+04	-8.201E-10	0.000E+00	-6.342E-06
1008	4	5.94	1	-6.517E+04	6.064E-11	-1.719E+04	0.000E+00	-3.394E+04	-7.004E-10	0.000E+00	-3.964E-06
1008	5	7.92	1	-6.515E+04	6.064E-11	-1.719E+04	0.000E+00	-2.870E-09	-5.806E-10	0.000E+00	2.039E-13
1009	1	0.00	1	-6.521E+04	6.866E-11	1.755E+04	0.000E+00	1.421E+05	-5.056E-10	0.000E+00	0.000E+00
1009	2	2.02	1	-6.520E+04	6.866E-11	1.755E+04	0.000E+00	1.066E+05	-3.666E-10	0.000E+00	6.107E-06
1009	3	4.04	1	-6.518E+04	6.866E-11	1.755E+04	0.000E+00	7.106E+04	-2.275E-10	0.000E+00	6.980E-06
1009	4	6.06	1	-6.517E+04	6.866E-11	1.755E+04	0.000E+00	3.553E+04	-8.851E-11	0.000E+00	4.362E-06
1009	5	8.08	1	-6.515E+04	6.866E-11	1.755E+04	0.000E+00	1.530E-10	5.052E-11	0.000E+00	-2.850E-12
1010	1	0.00	1	-6.521E+04	-8.311E-11	-1.755E+04	0.000E+00	-1.421E+05	7.027E-10	0.000E+00	0.000E+00
1010	2	2.02	1	-6.520E+04	-8.311E-11	-1.755E+04	0.000E+00	-1.066E+05	5.344E-10	0.000E+00	-6.107E-06
1010	3	4.04	1	-6.518E+04	-8.311E-11	-1.755E+04	0.000E+00	-7.106E+04	3.661E-10	0.000E+00	-6.980E-06
1010	4	6.06	1	-6.517E+04	-8.311E-11	-1.755E+04	0.000E+00	-3.553E+04	1.978E-10	0.000E+00	-4.362E-06
1010	5	8.08	1	-6.515E+04	-8.311E-11	-1.755E+04	0.000E+00	-4.432E-10	2.952E-11	0.000E+00	2.850E-12
1011	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1011	2	1.98	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1011	3	3.96	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1011	4	5.94	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1011	5	7.92	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1012	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1012	2	1.98	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1012	3	3.96	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1012	4	5.94	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1012	5	7.92	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1013	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1013	2	2.02	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1013	3	4.04	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1013	4	6.06	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

1013	5	8.08	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1014	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1014	2	2.02	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1014	3	4.04	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1014	4	6.06	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1014	5	8.08	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1015	1	0.00	1	-6.521E+04	2.534E-10	1.719E+04	0.000E+00	1.358E+05	-2.595E-09	0.000E+00	0.000E+00
1015	2	1.98	1	-6.519E+04	2.534E-10	1.719E+04	0.000E+00	1.018E+05	-2.094E-09	0.000E+00	5.550E-06
1015	3	3.96	1	-6.518E+04	2.534E-10	1.719E+04	0.000E+00	6.788E+04	-1.594E-09	0.000E+00	6.342E-06
1015	4	5.94	1	-6.517E+04	2.534E-10	1.719E+04	0.000E+00	3.394E+04	-1.094E-09	0.000E+00	3.964E-06
1015	5	7.92	1	-6.515E+04	2.534E-10	1.719E+04	0.000E+00	3.147E-09	-5.930E-10	0.000E+00	-2.039E-13
1016	1	0.00	1	-6.521E+04	5.667E-11	-1.719E+04	0.000E+00	-1.358E+05	-1.066E-09	0.000E+00	0.000E+00
1016	2	1.98	1	-6.519E+04	5.667E-11	-1.719E+04	0.000E+00	-1.018E+05	-9.542E-10	0.000E+00	-5.550E-06
1016	3	3.96	1	-6.518E+04	5.667E-11	-1.719E+04	0.000E+00	-6.788E+04	-8.423E-10	0.000E+00	-6.342E-06
1016	4	5.94	1	-6.517E+04	5.667E-11	-1.719E+04	0.000E+00	-3.394E+04	-7.303E-10	0.000E+00	-3.964E-06
1016	5	7.92	1	-6.515E+04	5.667E-11	-1.719E+04	0.000E+00	-3.196E-09	-6.184E-10	0.000E+00	2.039E-13
1017	1	0.00	1	-6.521E+04	-1.680E-10	1.755E+04	0.000E+00	1.421E+05	1.681E-09	0.000E+00	0.000E+00
1017	2	2.02	1	-6.520E+04	-1.680E-10	1.755E+04	0.000E+00	1.066E+05	1.340E-09	0.000E+00	6.107E-06
1017	3	4.04	1	-6.518E+04	-1.680E-10	1.755E+04	0.000E+00	7.106E+04	1.000E-09	0.000E+00	6.980E-06
1017	4	6.06	1	-6.517E+04	-1.680E-10	1.755E+04	0.000E+00	3.553E+04	6.600E-10	0.000E+00	4.362E-06
1017	5	8.08	1	-6.515E+04	-1.680E-10	1.755E+04	0.000E+00	1.834E-09	3.197E-10	0.000E+00	-2.850E-12
1018	1	0.00	1	-6.521E+04	1.626E-10	-1.755E+04	0.000E+00	-1.421E+05	-9.969E-10	0.000E+00	0.000E+00
1018	2	2.02	1	-6.520E+04	1.626E-10	-1.755E+04	0.000E+00	-1.066E+05	-6.676E-10	0.000E+00	-6.107E-06
1018	3	4.04	1	-6.518E+04	1.626E-10	-1.755E+04	0.000E+00	-7.106E+04	-3.382E-10	0.000E+00	-6.980E-06
1018	4	6.06	1	-6.517E+04	1.626E-10	-1.755E+04	0.000E+00	-3.553E+04	-8.926E-12	0.000E+00	-4.362E-06
1018	5	8.08	1	-6.515E+04	1.626E-10	-1.755E+04	0.000E+00	-1.515E-09	3.204E-10	0.000E+00	2.850E-12
1019	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1019	2	1.98	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1019	3	3.96	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1019	4	5.94	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1019	5	7.92	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1020	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1020	2	1.98	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1020	3	3.96	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1020	4	5.94	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1020	5	7.92	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1021	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1021	2	2.02	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1021	3	4.04	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1021	4	6.06	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1021	5	8.08	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1022	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1022	2	2.02	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1022	3	4.04	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1022	4	6.06	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1022	5	8.08	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1023	1	0.00	1	-6.521E+04	-9.380E-11	1.719E+04	0.000E+00	1.358E+05	9.019E-10	0.000E+00	0.000E+00
1023	2	1.98	1	-6.519E+04	-9.380E-11	1.719E+04	0.000E+00	1.018E+05	7.166E-10	0.000E+00	5.550E-06
1023	3	3.96	1	-6.518E+04	-9.380E-11	1.719E+04	0.000E+00	6.788E+04	5.313E-10	0.000E+00	6.342E-06
1023	4	5.94	1	-6.517E+04	-9.380E-11	1.719E+04	0.000E+00	3.394E+04	3.461E-10	0.000E+00	3.964E-06
1023	5	7.92	1	-6.515E+04	-9.380E-11	1.719E+04	0.000E+00	-7.943E-10	1.608E-10	0.000E+00	-2.039E-13
1024	1	0.00	1	-6.521E+04	-3.084E-11	-1.719E+04	0.000E+00	-1.358E+05	3.364E-10	0.000E+00	0.000E+00
1024	2	1.98	1	-6.519E+04	-3.084E-11	-1.719E+04	0.000E+00	-1.018E+05	2.755E-10	0.000E+00	-5.550E-06
1024	3	3.96	1	-6.518E+04	-3.084E-11	-1.719E+04	0.000E+00	-6.788E+04	2.146E-10	0.000E+00	-6.342E-06
1024	4	5.94	1	-6.517E+04	-3.084E-11	-1.719E+04	0.000E+00	-3.394E+04	1.537E-10	0.000E+00	-3.964E-06
1024	5	7.92	1	-6.515E+04	-3.084E-11	-1.719E+04	0.000E+00	8.787E-10	9.276E-11	0.000E+00	2.039E-13
1025	1	0.00	1	-6.521E+04	-1.192E-10	1.755E+04	0.000E+00	1.421E+05	1.111E-09	0.000E+00	0.000E+00
1025	2	2.02	1	-6.520E+04	-1.192E-10	1.755E+04	0.000E+00	1.066E+05	8.695E-10	0.000E+00	6.107E-06
1025	3	4.04	1	-6.518E+04	-1.192E-10	1.755E+04	0.000E+00	7.106E+04	6.281E-10	0.000E+00	6.980E-06
1025	4	6.06	1	-6.517E+04	-1.192E-10	1.755E+04	0.000E+00	3.553E+04	3.867E-10	0.000E+00	4.362E-06
1025	5	8.08	1	-6.515E+04	-1.192E-10	1.755E+04	0.000E+00	2.826E-10	1.452E-10	0.000E+00	-2.850E-12
1026	1	0.00	1	-6.521E+04	1.029E-10	-1.755E+04	0.000E+00	-1.421E+05	-8.121E-10	0.000E+00	0.000E+00

1026	2	2.02	1	-6.520E+04	1.029E-10	-1.755E+04	0.000E+00	-1.066E+05	-6.038E-10	0.000E+00	-6.107E-06
1026	3	4.04	1	-6.518E+04	1.029E-10	-1.755E+04	0.000E+00	-7.106E+04	-3.954E-10	0.000E+00	-6.980E-06
1026	4	6.06	1	-6.517E+04	1.029E-10	-1.755E+04	0.000E+00	-3.553E+04	-1.871E-10	0.000E+00	-4.362E-06
1026	5	8.08	1	-6.515E+04	1.029E-10	-1.755E+04	0.000E+00	1.758E-10	2.120E-11	0.000E+00	2.850E-12
1027	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1027	2	1.98	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1027	3	3.96	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1027	4	5.94	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1027	5	7.92	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1028	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1028	2	1.98	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1028	3	3.96	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1028	4	5.94	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1028	5	7.92	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1029	1	0.00	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1029	2	2.02	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1029	3	4.04	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1029	4	6.06	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1029	5	8.08	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1030	1	0.00	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1030	2	2.02	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1030	3	4.04	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1030	4	6.06	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1030	5	8.08	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1031	1	0.00	1	-6.611E+04	9.777E-13	1.742E+04	0.000E+00	1.376E+05	-5.837E-10	0.000E+00	0.000E+00
1031	2	1.98	1	-6.609E+04	9.777E-13	1.742E+04	0.000E+00	1.032E+05	-5.818E-10	0.000E+00	5.624E-06
1031	3	3.96	1	-6.608E+04	9.777E-13	1.742E+04	0.000E+00	6.879E+04	-5.799E-10	0.000E+00	6.427E-06
1031	4	5.94	1	-6.607E+04	9.777E-13	1.742E+04	0.000E+00	3.440E+04	-5.779E-10	0.000E+00	4.017E-06
1031	5	7.92	1	-6.605E+04	9.777E-13	1.742E+04	0.000E+00	3.436E-09	-5.760E-10	0.000E+00	-1.752E-13
1032	1	0.00	1	-6.611E+04	-6.889E-12	-1.742E+04	0.000E+00	-1.376E+05	-5.204E-10	0.000E+00	0.000E+00
1032	2	1.98	1	-6.609E+04	-6.889E-12	-1.742E+04	0.000E+00	-1.032E+05	-5.340E-10	0.000E+00	-5.624E-06
1032	3	3.96	1	-6.608E+04	-6.889E-12	-1.742E+04	0.000E+00	-6.879E+04	-5.476E-10	0.000E+00	-6.427E-06
1032	4	5.94	1	-6.607E+04	-6.889E-12	-1.742E+04	0.000E+00	-3.440E+04	-5.612E-10	0.000E+00	-4.017E-06
1032	5	7.92	1	-6.605E+04	-6.889E-12	-1.742E+04	0.000E+00	-3.203E-09	-5.748E-10	0.000E+00	1.752E-13
1033	1	0.00	1	-6.611E+04	-1.441E-10	1.778E+04	0.000E+00	1.440E+05	1.191E-09	0.000E+00	0.000E+00
1033	2	2.02	1	-6.610E+04	-1.441E-10	1.778E+04	0.000E+00	1.080E+05	8.990E-10	0.000E+00	6.189E-06
1033	3	4.04	1	-6.608E+04	-1.441E-10	1.778E+04	0.000E+00	7.201E+04	6.072E-10	0.000E+00	7.073E-06
1033	4	6.06	1	-6.607E+04	-1.441E-10	1.778E+04	0.000E+00	3.600E+04	3.153E-10	0.000E+00	4.421E-06
1033	5	8.08	1	-6.605E+04	-1.441E-10	1.778E+04	0.000E+00	2.593E-10	2.342E-11	0.000E+00	-2.905E-12
1034	1	0.00	1	-6.611E+04	1.944E-10	-1.778E+04	0.000E+00	-1.440E+05	-1.556E-09	0.000E+00	0.000E+00
1034	2	2.02	1	-6.610E+04	1.944E-10	-1.778E+04	0.000E+00	-1.080E+05	-1.162E-09	0.000E+00	-6.189E-06
1034	3	4.04	1	-6.608E+04	1.944E-10	-1.778E+04	0.000E+00	-7.201E+04	-7.681E-10	0.000E+00	-7.073E-06
1034	4	6.06	1	-6.607E+04	1.944E-10	-1.778E+04	0.000E+00	-3.600E+04	-3.743E-10	0.000E+00	-4.421E-06
1034	5	8.08	1	-6.605E+04	1.944E-10	-1.778E+04	0.000E+00	2.297E-10	1.944E-11	0.000E+00	2.905E-12
1035	1	0.00	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1035	2	1.98	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1035	3	3.96	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1035	4	5.94	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1035	5	7.92	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1036	1	0.00	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1036	2	1.98	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1036	3	3.96	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1036	4	5.94	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1036	5	7.92	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1037	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1037	2	2.02	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1037	3	4.04	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1037	4	6.06	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1037	5	8.08	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1038	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1038	2	2.02	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1038	3	4.04	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

1038	4	6.06	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1038	5	8.08	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1039	1	0.00	1	-6.521E+04	7.208E-11	1.719E+04	0.000E+00	1.358E+05	-1.194E-09	0.000E+00	0.000E+00
1039	2	1.98	1	-6.519E+04	7.208E-11	1.719E+04	0.000E+00	1.018E+05	-1.052E-09	0.000E+00	5.550E-06
1039	3	3.96	1	-6.518E+04	7.208E-11	1.719E+04	0.000E+00	6.788E+04	-9.097E-10	0.000E+00	6.342E-06
1039	4	5.94	1	-6.517E+04	7.208E-11	1.719E+04	0.000E+00	3.394E+04	-7.674E-10	0.000E+00	3.964E-06
1039	5	7.92	1	-6.515E+04	7.208E-11	1.719E+04	0.000E+00	3.200E-09	-6.250E-10	0.000E+00	-2.039E-13
1040	1	0.00	1	-6.521E+04	1.694E-10	-1.719E+04	0.000E+00	-1.358E+05	-1.929E-09	0.000E+00	0.000E+00
1040	2	1.98	1	-6.519E+04	1.694E-10	-1.719E+04	0.000E+00	-1.018E+05	-1.594E-09	0.000E+00	-5.550E-06
1040	3	3.96	1	-6.518E+04	1.694E-10	-1.719E+04	0.000E+00	-6.788E+04	-1.259E-09	0.000E+00	-6.342E-06
1040	4	5.94	1	-6.517E+04	1.694E-10	-1.719E+04	0.000E+00	-3.394E+04	-9.247E-10	0.000E+00	-3.964E-06
1040	5	7.92	1	-6.515E+04	1.694E-10	-1.719E+04	0.000E+00	-3.092E-09	-5.901E-10	0.000E+00	2.039E-13
1041	1	0.00	1	-6.521E+04	-6.053E-11	1.755E+04	0.000E+00	1.421E+05	5.712E-10	0.000E+00	0.000E+00
1041	2	2.02	1	-6.520E+04	-6.053E-11	1.755E+04	0.000E+00	1.066E+05	4.486E-10	0.000E+00	6.107E-06
1041	3	4.04	1	-6.518E+04	-6.053E-11	1.755E+04	0.000E+00	7.106E+04	3.260E-10	0.000E+00	6.980E-06
1041	4	6.06	1	-6.517E+04	-6.053E-11	1.755E+04	0.000E+00	3.553E+04	2.035E-10	0.000E+00	4.362E-06
1041	5	8.08	1	-6.515E+04	-6.053E-11	1.755E+04	0.000E+00	2.976E-10	8.090E-11	0.000E+00	-2.850E-12
1042	1	0.00	1	-6.521E+04	2.117E-10	-1.755E+04	0.000E+00	-1.421E+05	-1.779E-09	0.000E+00	0.000E+00
1042	2	2.02	1	-6.520E+04	2.117E-10	-1.755E+04	0.000E+00	-1.066E+05	-1.350E-09	0.000E+00	-6.107E-06
1042	3	4.04	1	-6.518E+04	2.117E-10	-1.755E+04	0.000E+00	-7.106E+04	-9.217E-10	0.000E+00	-6.980E-06
1042	4	6.06	1	-6.517E+04	2.117E-10	-1.755E+04	0.000E+00	-3.553E+04	-4.931E-10	0.000E+00	-4.362E-06
1042	5	8.08	1	-6.515E+04	2.117E-10	-1.755E+04	0.000E+00	-5.016E-10	-6.442E-11	0.000E+00	2.850E-12
1043	1	0.00	1	-6.540E+04	4.277E-11	-1.258E+02	0.000E+00	-4.390E+03	-2.692E-10	0.000E+00	0.000E+00
1043	2	8.73	1	-6.534E+04	4.277E-11	-1.258E+02	0.000E+00	-3.292E+03	1.039E-10	0.000E+00	-3.502E-06
1043	3	17.46	1	-6.528E+04	4.277E-11	-1.258E+02	0.000E+00	-2.195E+03	4.771E-10	0.000E+00	-4.002E-06
1043	4	26.19	1	-6.521E+04	4.277E-11	-1.258E+02	0.000E+00	-1.097E+03	8.503E-10	0.000E+00	-2.501E-06
1043	5	34.92	1	-6.515E+04	4.277E-11	-1.258E+02	0.000E+00	4.533E-13	1.223E-09	0.000E+00	-2.547E-12
1044	1	0.00	1	-6.540E+04	4.462E-10	1.258E+02	0.000E+00	4.390E+03	-1.473E-08	0.000E+00	0.000E+00
1044	2	8.73	1	-6.534E+04	4.462E-10	1.258E+02	0.000E+00	3.292E+03	-1.083E-08	1.001E-17	3.502E-06
1044	3	17.46	1	-6.528E+04	4.462E-10	1.258E+02	0.000E+00	2.195E+03	-6.939E-09	1.123E-17	4.002E-06
1044	4	26.19	1	-6.521E+04	4.462E-10	1.258E+02	0.000E+00	1.097E+03	-3.046E-09	6.837E-18	2.501E-06
1044	5	34.92	1	-6.515E+04	4.462E-10	1.258E+02	0.000E+00	-4.320E-13	8.464E-10	3.869E-25	2.547E-12
1045	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1045	2	1.98	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1045	3	3.96	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1045	4	5.94	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1045	5	7.92	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1046	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1046	2	1.98	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1046	3	3.96	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1046	4	5.94	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1046	5	7.92	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1047	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1047	2	2.02	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1047	3	4.04	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1047	4	6.06	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1047	5	8.08	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1048	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1048	2	2.02	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1048	3	4.04	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1048	4	6.06	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1048	5	8.08	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1049	1	0.00	1	-6.521E+04	1.194E-10	1.719E+04	0.000E+00	1.358E+05	-1.481E-09	0.000E+00	0.000E+00
1049	2	1.98	1	-6.519E+04	1.194E-10	1.719E+04	0.000E+00	1.018E+05	-1.245E-09	0.000E+00	5.550E-06
1049	3	3.96	1	-6.518E+04	1.194E-10	1.719E+04	0.000E+00	6.788E+04	-1.009E-09	0.000E+00	6.342E-06
1049	4	5.94	1	-6.517E+04	1.194E-10	1.719E+04	0.000E+00	3.394E+04	-7.732E-10	0.000E+00	3.964E-06
1049	5	7.92	1	-6.515E+04	1.194E-10	1.719E+04	0.000E+00	3.380E-09	-5.374E-10	0.000E+00	-2.039E-13
1050	1	0.00	1	-6.521E+04	-5.500E-10	-1.719E+04	0.000E+00	-1.358E+05	3.668E-09	0.000E+00	0.000E+00
1050	2	1.98	1	-6.519E+04	-5.500E-10	-1.719E+04	0.000E+00	-1.018E+05	2.582E-09	0.000E+00	-5.550E-06
1050	3	3.96	1	-6.518E+04	-5.500E-10	-1.719E+04	0.000E+00	-6.788E+04	1.496E-09	0.000E+00	-6.342E-06
1050	4	5.94	1	-6.517E+04	-5.500E-10	-1.719E+04	0.000E+00	-3.394E+04	4.093E-10	0.000E+00	-3.964E-06
1050	5	7.92	1	-6.515E+04	-5.500E-10	-1.719E+04	0.000E+00	-3.104E-09	-6.770E-10	0.000E+00	2.039E-13

1051	1	0.00	1	-6.521E+04	-3.598E-10	1.755E+04	0.000E+00	1.421E+05	2.880E-09	0.000E+00	0.000E+00
1051	2	2.02	1	-6.520E+04	-3.598E-10	1.755E+04	0.000E+00	1.066E+05	2.151E-09	0.000E+00	6.107E-06
1051	3	4.04	1	-6.518E+04	-3.598E-10	1.755E+04	0.000E+00	7.106E+04	1.423E-09	0.000E+00	6.980E-06
1051	4	6.06	1	-6.517E+04	-3.598E-10	1.755E+04	0.000E+00	3.553E+04	6.939E-10	0.000E+00	4.362E-06
1051	5	8.08	1	-6.515E+04	-3.598E-10	1.755E+04	0.000E+00	5.653E-11	-3.461E-11	0.000E+00	-2.850E-12
1052	1	0.00	1	-6.521E+04	-1.446E-10	-1.755E+04	0.000E+00	-1.421E+05	1.233E-09	0.000E+00	0.000E+00
1052	2	2.02	1	-6.520E+04	-1.446E-10	-1.755E+04	0.000E+00	-1.066E+05	9.398E-10	0.000E+00	-6.107E-06
1052	3	4.04	1	-6.518E+04	-1.446E-10	-1.755E+04	0.000E+00	-7.106E+04	6.469E-10	0.000E+00	-6.980E-06
1052	4	6.06	1	-6.517E+04	-1.446E-10	-1.755E+04	0.000E+00	-3.553E+04	3.541E-10	0.000E+00	-4.362E-06
1052	5	8.08	1	-6.515E+04	-1.446E-10	-1.755E+04	0.000E+00	-6.230E-12	6.121E-11	0.000E+00	2.850E-12
1053	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1053	2	1.98	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1053	3	3.96	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1053	4	5.94	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1053	5	7.92	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1054	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1054	2	1.98	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1054	3	3.96	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1054	4	5.94	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1054	5	7.92	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1055	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1055	2	2.02	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1055	3	4.04	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1055	4	6.06	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1055	5	8.08	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1056	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1056	2	2.02	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1056	3	4.04	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1056	4	6.06	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1056	5	8.08	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1057	1	0.00	1	-6.521E+04	4.648E-10	1.719E+04	0.000E+00	1.358E+05	-3.469E-09	0.000E+00	0.000E+00
1057	2	1.98	1	-6.519E+04	4.648E-10	1.719E+04	0.000E+00	1.018E+05	-2.551E-09	0.000E+00	5.550E-06
1057	3	3.96	1	-6.518E+04	4.648E-10	1.719E+04	0.000E+00	6.788E+04	-1.633E-09	0.000E+00	6.342E-06
1057	4	5.94	1	-6.517E+04	4.648E-10	1.719E+04	0.000E+00	3.394E+04	-7.150E-10	0.000E+00	3.964E-06
1057	5	7.92	1	-6.515E+04	4.648E-10	1.719E+04	0.000E+00	-9.370E-10	2.031E-10	0.000E+00	-2.039E-13
1058	1	0.00	1	-6.521E+04	-1.248E-10	-1.719E+04	0.000E+00	-1.358E+05	1.277E-09	0.000E+00	0.000E+00
1058	2	1.98	1	-6.519E+04	-1.248E-10	-1.719E+04	0.000E+00	-1.018E+05	1.030E-09	0.000E+00	-5.550E-06
1058	3	3.96	1	-6.518E+04	-1.248E-10	-1.719E+04	0.000E+00	-6.788E+04	7.838E-10	0.000E+00	-6.342E-06
1058	4	5.94	1	-6.517E+04	-1.248E-10	-1.719E+04	0.000E+00	-3.394E+04	5.373E-10	0.000E+00	-3.964E-06
1058	5	7.92	1	-6.515E+04	-1.248E-10	-1.719E+04	0.000E+00	1.234E-09	2.907E-10	0.000E+00	2.039E-13
1059	1	0.00	1	-6.521E+04	2.743E-11	1.755E+04	0.000E+00	1.421E+05	8.331E-11	0.000E+00	0.000E+00
1059	2	2.02	1	-6.520E+04	2.743E-11	1.755E+04	0.000E+00	1.066E+05	1.389E-10	0.000E+00	6.107E-06
1059	3	4.04	1	-6.518E+04	2.743E-11	1.755E+04	0.000E+00	7.106E+04	1.944E-10	0.000E+00	6.980E-06
1059	4	6.06	1	-6.517E+04	2.743E-11	1.755E+04	0.000E+00	3.553E+04	2.500E-10	0.000E+00	4.362E-06
1059	5	8.08	1	-6.515E+04	2.743E-11	1.755E+04	0.000E+00	1.467E-09	3.055E-10	0.000E+00	-2.850E-12
1060	1	0.00	1	-6.521E+04	1.354E-11	-1.755E+04	0.000E+00	-1.421E+05	2.367E-10	0.000E+00	0.000E+00
1060	2	2.02	1	-6.520E+04	1.354E-11	-1.755E+04	0.000E+00	-1.066E+05	2.642E-10	0.000E+00	-6.107E-06
1060	3	4.04	1	-6.518E+04	1.354E-11	-1.755E+04	0.000E+00	-7.106E+04	2.916E-10	0.000E+00	-6.980E-06
1060	4	6.06	1	-6.517E+04	1.354E-11	-1.755E+04	0.000E+00	-3.553E+04	3.190E-10	0.000E+00	-4.362E-06
1060	5	8.08	1	-6.515E+04	1.354E-11	-1.755E+04	0.000E+00	-1.961E-09	3.464E-10	0.000E+00	2.850E-12
1061	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1061	2	1.98	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1061	3	3.96	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1061	4	5.94	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1061	5	7.92	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1062	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1062	2	1.98	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1062	3	3.96	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1062	4	5.94	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1062	5	7.92	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1063	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1063	2	2.02	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

1063	3	4.04	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1063	4	6.06	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1063	5	8.08	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1064	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1064	2	2.02	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1064	3	4.04	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1064	4	6.06	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1064	5	8.08	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

FILE: astec002.bin											
Caso di carico: 2 - SLU VENTROY (1.3xC1 + 1.5xC2 + 1.5xC3 +/- 1.5xC4 + 1.5xC5)											
Asta	Prog.	Dist. (cm)	Sest.	N (kN)	Ty (kN)	Tz (kN)	Mx (kNm)	My (kNm)	Mz (kNm)	freccia Y (cm)	freccia Z (cm)
1	1	0.00	1	-2.898E+05	1.066E-10	-6.055E-11	0.000E+00	3.725E+02	-1.324E-05	0.000E+00	0.000E+00
1	1	0.00	2	-2.898E+05	1.065E-10	-5.730E-11	0.000E+00	-3.725E+02	-1.276E-05	0.000E+00	0.000E+00
1	2	68.75	1	-2.873E+05	1.066E-10	-6.055E-11	0.000E+00	3.725E+02	-1.323E-05	4.187E-14	1.179E-06
1	2	68.75	2	-2.873E+05	1.065E-10	-5.730E-11	0.000E+00	-3.725E+02	-1.275E-05	4.035E-14	-1.179E-06
1	3	137.50	1	-2.848E+05	1.066E-10	-6.055E-11	0.000E+00	3.725E+02	-1.322E-05	5.581E-14	1.573E-06
1	3	137.50	2	-2.848E+05	1.065E-10	-5.730E-11	0.000E+00	-3.725E+02	-1.274E-05	5.378E-14	-1.573E-06
1	4	206.25	1	-2.822E+05	1.066E-10	-6.055E-11	0.000E+00	3.725E+02	-1.321E-05	4.185E-14	1.179E-06
1	4	206.25	2	-2.822E+05	1.065E-10	-5.730E-11	0.000E+00	-3.725E+02	-1.273E-05	4.033E-14	-1.179E-06
1	5	275.00	1	-2.797E+05	1.066E-10	-6.055E-11	0.000E+00	3.725E+02	-1.321E-05	-6.228E-21	4.264E-13
1	5	275.00	2	-2.797E+05	1.065E-10	-5.730E-11	0.000E+00	-3.725E+02	-1.273E-05	-6.570E-21	-4.264E-13
2	1	0.00	1	-2.969E+05	-1.441E-08	3.426E+04	0.000E+00	1.603E+07	-2.352E+02	0.000E+00	0.000E+00
2	1	0.00	2	-2.969E+05	1.445E-08	-3.426E+04	0.000E+00	-1.603E+07	-2.352E+02	0.000E+00	0.000E+00
2	2	115.00	1	-2.926E+05	-1.441E-08	3.426E+04	0.000E+00	1.209E+07	-2.352E+02	2.083E-06	8.387E-02
2	2	115.00	2	-2.926E+05	1.445E-08	-3.426E+04	0.000E+00	-1.209E+07	-2.352E+02	2.083E-06	-8.387E-02
2	3	230.00	1	-2.884E+05	-1.441E-08	3.426E+04	0.000E+00	8.154E+06	-2.352E+02	2.778E-06	9.631E-02
2	3	230.00	2	-2.884E+05	1.445E-08	-3.426E+04	0.000E+00	-8.154E+06	-2.352E+02	2.778E-06	-9.631E-02
2	4	345.00	1	-2.842E+05	-1.441E-08	3.426E+04	0.000E+00	4.214E+06	-2.352E+02	2.083E-06	6.060E-02
2	4	345.00	2	-2.842E+05	1.445E-08	-3.426E+04	0.000E+00	-4.214E+06	-2.352E+02	2.083E-06	-6.060E-02
2	5	460.00	1	-2.799E+05	-1.441E-08	3.426E+04	0.000E+00	2.733E+05	-2.352E+02	-8.923E-13	-3.040E-08
2	5	460.00	2	-2.799E+05	1.445E-08	-3.426E+04	0.000E+00	-2.733E+05	-2.352E+02	-8.923E-13	3.040E-08
3	1	0.00	1	-2.966E+05	-6.548E-10	-4.157E-10	0.000E+00	8.212E+02	-8.310E-06	0.000E+00	0.000E+00
3	1	0.00	2	-2.966E+05	-6.599E-10	-3.949E-10	0.000E+00	-8.212E+02	-8.580E-06	0.000E+00	0.000E+00
3	2	115.00	1	-2.924E+05	-6.548E-10	-4.157E-10	0.000E+00	8.212E+02	-8.386E-06	7.473E-14	7.275E-06
3	2	115.00	2	-2.924E+05	-6.599E-10	-3.949E-10	0.000E+00	-8.212E+02	-8.656E-06	7.713E-14	-7.275E-06
3	3	230.00	1	-2.882E+05	-6.548E-10	-4.157E-10	0.000E+00	8.212E+02	-8.461E-06	9.994E-14	9.699E-06
3	3	230.00	2	-2.882E+05	-6.599E-10	-3.949E-10	0.000E+00	-8.212E+02	-8.732E-06	1.031E-13	-9.699E-06
3	4	345.00	1	-2.839E+05	-6.548E-10	-4.157E-10	0.000E+00	8.212E+02	-8.536E-06	7.518E-14	7.275E-06
3	4	345.00	2	-2.839E+05	-6.599E-10	-3.949E-10	0.000E+00	-8.212E+02	-8.808E-06	7.758E-14	-7.275E-06
3	5	460.00	1	-2.797E+05	-6.548E-10	-4.157E-10	0.000E+00	8.212E+02	-8.612E-06	-1.149E-20	-3.861E-12
3	5	460.00	2	-2.797E+05	-6.599E-10	-3.949E-10	0.000E+00	-8.212E+02	-8.884E-06	-1.068E-20	3.861E-12
4	1	0.00	1	-2.980E+05	3.545E-09	3.426E+04	0.000E+00	1.706E+07	-2.352E+02	0.000E+00	0.000E+00
4	1	0.00	2	-2.980E+05	-3.072E-09	-3.426E+04	0.000E+00	-1.706E+07	-2.352E+02	0.000E+00	0.000E+00
4	2	122.50	1	-2.935E+05	3.545E-09	3.426E+04	0.000E+00	1.286E+07	-2.352E+02	2.364E-06	1.012E-01
4	2	122.50	2	-2.935E+05	-3.072E-09	-3.426E+04	0.000E+00	-1.286E+07	-2.352E+02	2.364E-06	-1.012E-01
4	3	245.00	1	-2.889E+05	3.545E-09	3.426E+04	0.000E+00	8.668E+06	-2.352E+02	3.152E-06	1.162E-01
4	3	245.00	2	-2.889E+05	-3.072E-09	-3.426E+04	0.000E+00	-8.668E+06	-2.352E+02	3.152E-06	-1.162E-01
4	4	367.50	1	-2.844E+05	3.545E-09	3.426E+04	0.000E+00	4.470E+06	-2.352E+02	2.364E-06	7.306E-02
4	4	367.50	2	-2.844E+05	-3.072E-09	-3.426E+04	0.000E+00	-4.470E+06	-2.352E+02	2.364E-06	-7.306E-02
4	5	490.00	1	-2.799E+05	3.545E-09	3.426E+04	0.000E+00	2.732E+05	-2.352E+02	7.754E-14	-2.080E-08
4	5	490.00	2	-2.799E+05	-3.072E-09	-3.426E+04	0.000E+00	-2.732E+05	-2.352E+02	7.754E-14	2.080E-08
5	1	0.00	1	-2.992E+05	-4.237E-10	3.312E-10	0.000E+00	8.006E+02	-1.063E-06	0.000E+00	0.000E+00
5	1	0.00	2	-2.992E+05	-4.110E-10	3.624E-10	0.000E+00	-8.006E+02	-1.585E-06	0.000E+00	0.000E+00
5	2	132.50	1	-2.943E+05	-4.237E-10	3.312E-10	0.000E+00	8.006E+02	-1.119E-06	1.360E-14	9.415E-06
5	2	132.50	2	-2.943E+05	-4.110E-10	3.624E-10	0.000E+00	-8.006E+02	-1.640E-06	1.971E-14	-9.415E-06
5	3	265.00	1	-2.895E+05	-4.237E-10	3.312E-10	0.000E+00	8.006E+02	-1.175E-06	1.843E-14	1.255E-05
5	3	265.00	2	-2.895E+05	-4.110E-10	3.624E-10	0.000E+00	-8.006E+02	-1.694E-06	2.656E-14	-1.255E-05
5	4	397.50	1	-2.846E+05	-4.237E-10	3.312E-10	0.000E+00	8.006E+02	-1.232E-06	1.404E-14	9.415E-06
5	4	397.50	2	-2.846E+05	-4.110E-10	3.624E-10	0.000E+00	-8.006E+02	-1.749E-06	2.014E-14	-9.415E-06
5	5	530.00	1	-2.797E+05	-4.237E-10	3.312E-10	0.000E+00	8.006E+02	-1.288E-06	-2.323E-21	1.229E-12
5	5	530.00	2	-2.797E+05	-4.110E-10	3.624E-10	0.000E+00	-8.006E+02	-1.803E-06	-1.478E-21	-1.229E-12

6	1	0.00	1	-2.963E+05	1.555E-07	3.426E+04	0.000E+00	1.552E+07	-2.352E+02	0.000E+00	0.000E+00
6	1	0.00	2	-2.963E+05	-1.563E-07	-3.426E+04	0.000E+00	-1.552E+07	-2.352E+02	0.000E+00	0.000E+00
6	2	111.25	1	-2.922E+05	1.555E-07	3.426E+04	0.000E+00	1.171E+07	-2.352E+02	1.950E-06	7.600E-02
6	2	111.25	2	-2.922E+05	-1.563E-07	-3.426E+04	0.000E+00	-1.171E+07	-2.352E+02	1.950E-06	-7.600E-02
6	3	222.50	1	-2.881E+05	1.555E-07	3.426E+04	0.000E+00	7.897E+06	-2.352E+02	2.599E-06	8.729E-02
6	3	222.50	2	-2.881E+05	-1.563E-07	-3.426E+04	0.000E+00	-7.897E+06	-2.352E+02	2.599E-06	-8.729E-02
6	4	333.75	1	-2.840E+05	1.555E-07	3.426E+04	0.000E+00	4.085E+06	-2.352E+02	1.950E-06	5.493E-02
6	4	333.75	2	-2.840E+05	-1.563E-07	-3.426E+04	0.000E+00	-4.085E+06	-2.352E+02	1.950E-06	-5.493E-02
6	5	445.00	1	-2.799E+05	1.555E-07	3.426E+04	0.000E+00	2.734E+05	-2.352E+02	-3.728E-13	1.091E-09
6	5	445.00	2	-2.799E+05	-1.563E-07	-3.426E+04	0.000E+00	-2.734E+05	-2.352E+02	-3.728E-13	-1.091E-09
7	1	0.00	1	-2.995E+05	1.787E-09	9.940E-10	0.000E+00	8.150E+02	-1.467E+05	0.000E+00	0.000E+00
7	1	0.00	2	-2.995E+05	1.782E-09	1.006E-09	0.000E+00	-8.150E+02	-1.467E+05	0.000E+00	0.000E+00
7	2	122.50	1	-2.950E+05	1.787E-09	9.940E-10	0.000E+00	8.150E+02	-1.467E+05	1.475E-03	8.192E-06
7	2	122.50	2	-2.950E+05	1.782E-09	1.006E-09	0.000E+00	-8.150E+02	-1.467E+05	1.475E-03	-8.192E-06
7	3	245.00	1	-2.905E+05	1.787E-09	9.940E-10	0.000E+00	8.150E+02	-1.467E+05	1.966E-03	1.092E-05
7	3	245.00	2	-2.905E+05	1.782E-09	1.006E-09	0.000E+00	-8.150E+02	-1.467E+05	1.966E-03	-1.092E-05
7	4	367.50	1	-2.860E+05	1.787E-09	9.940E-10	0.000E+00	8.150E+02	-1.467E+05	1.475E-03	8.192E-06
7	4	367.50	2	-2.860E+05	1.782E-09	1.006E-09	0.000E+00	-8.150E+02	-1.467E+05	1.475E-03	-8.192E-06
7	5	490.00	1	-2.815E+05	1.787E-09	9.940E-10	0.000E+00	8.150E+02	-1.467E+05	-2.209E-10	3.708E-12
7	5	490.00	2	-2.815E+05	1.782E-09	1.006E-09	0.000E+00	-8.150E+02	-1.467E+05	-2.209E-10	-3.708E-12
8	1	0.00	1	-3.019E+05	1.170E-07	3.426E+04	0.000E+00	1.740E+07	-2.352E+02	0.000E+00	0.000E+00
8	1	0.00	2	-3.019E+05	-1.176E-07	-3.426E+04	0.000E+00	-1.740E+07	-2.352E+02	0.000E+00	0.000E+00
8	2	125.00	1	-2.973E+05	1.170E-07	3.426E+04	0.000E+00	1.312E+07	-2.352E+02	2.462E-06	1.075E-01
8	2	125.00	2	-2.973E+05	-1.176E-07	-3.426E+04	0.000E+00	-1.312E+07	-2.352E+02	2.462E-06	-1.075E-01
8	3	250.00	1	-2.927E+05	1.170E-07	3.426E+04	0.000E+00	8.839E+06	-2.352E+02	3.282E-06	1.233E-01
8	3	250.00	2	-2.927E+05	-1.176E-07	-3.426E+04	0.000E+00	-8.839E+06	-2.352E+02	3.282E-06	-1.233E-01
8	4	375.00	1	-2.881E+05	1.170E-07	3.426E+04	0.000E+00	4.556E+06	-2.352E+02	2.462E-06	7.757E-02
8	4	375.00	2	-2.881E+05	-1.176E-07	-3.426E+04	0.000E+00	-4.556E+06	-2.352E+02	2.462E-06	-7.757E-02
8	5	500.00	1	-2.835E+05	1.170E-07	3.426E+04	0.000E+00	2.732E+05	-2.352E+02	-2.345E-13	-2.549E-08
8	5	500.00	2	-2.835E+05	-1.176E-07	-3.426E+04	0.000E+00	-2.732E+05	-2.352E+02	-2.345E-13	2.549E-08
9	1	0.00	1	-3.004E+05	-2.416E-09	-4.454E-10	0.000E+00	9.196E+02	1.467E+05	0.000E+00	0.000E+00
9	1	0.00	2	-3.004E+05	-2.413E-09	-4.458E-10	0.000E+00	-9.196E+02	1.467E+05	0.000E+00	0.000E+00
9	2	128.75	1	-2.957E+05	-2.416E-09	-4.454E-10	0.000E+00	9.196E+02	1.467E+05	-1.629E-03	1.021E-05
9	2	128.75	2	-2.957E+05	-2.413E-09	-4.458E-10	0.000E+00	-9.196E+02	1.467E+05	-1.629E-03	-1.021E-05
9	3	257.50	1	-2.910E+05	-2.416E-09	-4.454E-10	0.000E+00	9.196E+02	1.467E+05	-2.172E-03	1.361E-05
9	3	257.50	2	-2.910E+05	-2.413E-09	-4.458E-10	0.000E+00	-9.196E+02	1.467E+05	-2.172E-03	-1.361E-05
9	4	386.25	1	-2.862E+05	-2.416E-09	-4.454E-10	0.000E+00	9.196E+02	1.467E+05	-1.629E-03	1.021E-05
9	4	386.25	2	-2.862E+05	-2.413E-09	-4.458E-10	0.000E+00	-9.196E+02	1.467E+05	-1.629E-03	-1.021E-05
9	5	515.00	1	-2.815E+05	-2.416E-09	-4.454E-10	0.000E+00	9.196E+02	1.467E+05	-2.195E-10	-1.150E-12
9	5	515.00	2	-2.815E+05	-2.413E-09	-4.458E-10	0.000E+00	-9.196E+02	1.467E+05	-2.195E-10	1.150E-12
10	1	0.00	1	-2.989E+05	1.144E-08	3.426E+04	0.000E+00	1.792E+07	-2.352E+02	0.000E+00	0.000E+00
10	1	0.00	2	-2.989E+05	-1.104E-08	-3.426E+04	0.000E+00	-1.792E+07	-2.352E+02	0.000E+00	0.000E+00
10	2	128.75	1	-2.941E+05	1.144E-08	3.426E+04	0.000E+00	1.351E+07	-2.352E+02	2.611E-06	1.173E-01
10	2	128.75	2	-2.941E+05	-1.104E-08	-3.426E+04	0.000E+00	-1.351E+07	-2.352E+02	2.611E-06	-1.173E-01
10	3	257.50	1	-2.894E+05	1.144E-08	3.426E+04	0.000E+00	9.096E+06	-2.352E+02	3.482E-06	1.347E-01
10	3	257.50	2	-2.894E+05	-1.104E-08	-3.426E+04	0.000E+00	-9.096E+06	-2.352E+02	3.482E-06	-1.347E-01
10	4	386.25	1	-2.847E+05	1.144E-08	3.426E+04	0.000E+00	4.685E+06	-2.352E+02	2.611E-06	8.467E-02
10	4	386.25	2	-2.847E+05	-1.104E-08	-3.426E+04	0.000E+00	-4.685E+06	-2.352E+02	2.611E-06	-8.467E-02
10	5	515.00	1	-2.799E+05	1.144E-08	3.426E+04	0.000E+00	2.732E+05	-2.352E+02	-3.580E-13	1.483E-08
10	5	515.00	2	-2.799E+05	-1.104E-08	-3.426E+04	0.000E+00	-2.732E+05	-2.352E+02	-3.580E-13	-1.483E-08
11	1	0.00	1	-2.961E+05	-1.116E-10	-8.565E-11	0.000E+00	9.670E+02	6.770E-06	0.000E+00	0.000E+00
11	1	0.00	2	-2.961E+05	-1.313E-10	-1.025E-10	0.000E+00	-9.670E+02	6.651E-06	0.000E+00	0.000E+00
11	2	111.25	1	-2.920E+05	-1.116E-10	-8.565E-11	0.000E+00	9.670E+02	6.758E-06	-5.596E-14	8.017E-06
11	2	111.25	2	-2.920E+05	-1.313E-10	-1.025E-10	0.000E+00	-9.670E+02	6.636E-06	-5.494E-14	-8.017E-06
11	3	222.50	1	-2.879E+05	-1.116E-10	-8.565E-11	0.000E+00	9.670E+02	6.746E-06	-7.456E-14	1.069E-05
11	3	222.50	2	-2.879E+05	-1.313E-10	-1.025E-10	0.000E+00	-9.670E+02	6.622E-06	-7.320E-14	-1.069E-05
11	4	333.75	1	-2.838E+05	-1.116E-10	-8.565E-11	0.000E+00	9.670E+02	6.733E-06	-5.589E-14	8.017E-06
11	4	333.75	2	-2.838E+05	-1.313E-10	-1.025E-10	0.000E+00	-9.670E+02	6.607E-06	-5.486E-14	-8.017E-06
11	5	445.00	1	-2.797E+05	-1.116E-10	-8.565E-11	0.000E+00	9.670E+02	6.721E-06	2.245E-21	-4.122E-12
11	5	445.00	2	-2.797E+05	-1.313E-10	-1.025E-10	0.000E+00	-9.670E+02	6.593E-06	2.149E-21	4.122E-12
12	1	0.00	1	-2.994E+05	2.776E-07	3.426E+04	0.000E+00	1.843E+07	-2.352E+02	0.000E+00	0.000E+00
12	1	0.00	2	-2.994E+05	-2.790E-07	-3.426E+04	0.000E+00	-1.843E+07	-2.352E+02	0.000E+00	0.000E+00

12	2	132.50	1	-2.946E+05	2.776E-07	3.426E+04	0.000E+00	1.389E+07	-2.352E+02	2.765E-06	1.278E-01
12	2	132.50	2	-2.946E+05	-2.790E-07	-3.426E+04	0.000E+00	-1.389E+07	-2.352E+02	2.765E-06	-1.278E-01
12	3	265.00	1	-2.897E+05	2.776E-07	3.426E+04	0.000E+00	9.353E+06	-2.352E+02	3.687E-06	1.467E-01
12	3	265.00	2	-2.897E+05	-2.790E-07	-3.426E+04	0.000E+00	-9.353E+06	-2.352E+02	3.687E-06	-1.467E-01
12	4	397.50	1	-2.848E+05	2.776E-07	3.426E+04	0.000E+00	4.813E+06	-2.352E+02	2.765E-06	9.219E-02
12	4	397.50	2	-2.848E+05	-2.790E-07	-3.426E+04	0.000E+00	-4.813E+06	-2.352E+02	2.765E-06	-9.219E-02
12	5	530.00	1	-2.799E+05	2.776E-07	3.426E+04	0.000E+00	2.731E+05	-2.352E+02	-7.812E-13	8.270E-09
12	5	530.00	2	-2.799E+05	-2.790E-07	-3.426E+04	0.000E+00	-2.731E+05	-2.352E+02	-7.812E-13	-8.270E-09
13	1	0.00	1	-2.977E+05	-5.657E-11	-6.685E-12	0.000E+00	8.848E+02	-5.618E-06	0.000E+00	0.000E+00
13	1	0.00	2	-2.977E+05	-5.789E-11	-6.935E-12	0.000E+00	-8.848E+02	-6.666E-06	0.000E+00	0.000E+00
13	2	122.50	1	-2.932E+05	-5.657E-11	-6.685E-12	0.000E+00	8.848E+02	-5.625E-06	5.659E-14	8.894E-06
13	2	122.50	2	-2.932E+05	-5.789E-11	-6.935E-12	0.000E+00	-8.848E+02	-6.674E-06	6.713E-14	-8.894E-06
13	3	245.00	1	-2.887E+05	-5.657E-11	-6.685E-12	0.000E+00	8.848E+02	-5.632E-06	7.548E-14	1.186E-05
13	3	245.00	2	-2.887E+05	-5.789E-11	-6.935E-12	0.000E+00	-8.848E+02	-6.681E-06	8.954E-14	-1.186E-05
13	4	367.50	1	-2.842E+05	-5.657E-11	-6.685E-12	0.000E+00	8.848E+02	-5.639E-06	5.663E-14	8.894E-06
13	4	367.50	2	-2.842E+05	-5.789E-11	-6.935E-12	0.000E+00	-8.848E+02	-6.688E-06	6.718E-14	-8.894E-06
13	5	490.00	1	-2.797E+05	-5.657E-11	-6.685E-12	0.000E+00	8.848E+02	-5.646E-06	7.660E-21	3.571E-13
13	5	490.00	2	-2.797E+05	-5.789E-11	-6.935E-12	0.000E+00	-8.848E+02	-6.695E-06	1.059E-20	-3.571E-13
14	1	0.00	1	-2.969E+05	-2.683E-08	3.426E+04	0.000E+00	1.603E+07	-2.352E+02	0.000E+00	0.000E+00
14	1	0.00	2	-2.969E+05	2.752E-08	-3.426E+04	0.000E+00	-1.603E+07	-2.352E+02	0.000E+00	0.000E+00
14	2	115.00	1	-2.926E+05	-2.683E-08	3.426E+04	0.000E+00	1.209E+07	-2.352E+02	2.083E-06	8.387E-02
14	2	115.00	2	-2.926E+05	2.752E-08	-3.426E+04	0.000E+00	-1.209E+07	-2.352E+02	2.083E-06	-8.387E-02
14	3	230.00	1	-2.884E+05	-2.683E-08	3.426E+04	0.000E+00	8.154E+06	-2.352E+02	2.778E-06	9.631E-02
14	3	230.00	2	-2.884E+05	2.752E-08	-3.426E+04	0.000E+00	-8.154E+06	-2.352E+02	2.778E-06	-9.631E-02
14	4	345.00	1	-2.842E+05	-2.683E-08	3.426E+04	0.000E+00	4.214E+06	-2.352E+02	2.083E-06	6.060E-02
14	4	345.00	2	-2.842E+05	2.752E-08	-3.426E+04	0.000E+00	-4.214E+06	-2.352E+02	2.083E-06	-6.060E-02
14	5	460.00	1	-2.799E+05	-2.683E-08	3.426E+04	0.000E+00	2.733E+05	-2.352E+02	-5.661E-13	-3.009E-08
14	5	460.00	2	-2.799E+05	2.752E-08	-3.426E+04	0.000E+00	-2.733E+05	-2.352E+02	-5.661E-13	3.009E-08
15	1	0.00	1	-2.929E+05	2.568E-10	-6.326E-11	0.000E+00	3.773E+02	6.644E-06	0.000E+00	0.000E+00
15	1	0.00	2	-2.929E+05	2.516E-10	-5.329E-11	0.000E+00	-3.773E+02	5.666E-06	0.000E+00	0.000E+00
15	2	90.00	1	-2.896E+05	2.568E-10	-6.326E-11	0.000E+00	3.773E+02	6.667E-06	-3.626E-14	2.047E-06
15	2	90.00	2	-2.896E+05	2.516E-10	-5.329E-11	0.000E+00	-3.773E+02	5.688E-06	-3.095E-14	-2.047E-06
15	3	180.00	1	-2.863E+05	2.568E-10	-6.326E-11	0.000E+00	3.773E+02	6.690E-06	-4.840E-14	2.730E-06
15	3	180.00	2	-2.863E+05	2.516E-10	-5.329E-11	0.000E+00	-3.773E+02	5.711E-06	-4.132E-14	-2.730E-06
15	4	270.00	1	-2.830E+05	2.568E-10	-6.326E-11	0.000E+00	3.773E+02	6.713E-06	-3.634E-14	2.047E-06
15	4	270.00	2	-2.830E+05	2.516E-10	-5.329E-11	0.000E+00	-3.773E+02	5.734E-06	-3.103E-14	-2.047E-06
15	5	360.00	1	-2.797E+05	2.568E-10	-6.326E-11	0.000E+00	3.773E+02	6.736E-06	5.173E-22	-7.113E-14
15	5	360.00	2	-2.797E+05	2.516E-10	-5.329E-11	0.000E+00	-3.773E+02	5.756E-06	1.061E-21	7.113E-14
101	1	0.00	1	6.389E-11	2.178E-10	1.010E-10	-5.970E-13	-5.807E-09	1.889E-08	0.000E+00	0.000E+00
101	1	0.00	2	-1.116E-10	1.775E-10	-1.010E-10	5.881E-13	5.817E-09	2.116E-08	0.000E+00	0.000E+00
101	2	17.25	1	5.559E-01	-3.836E+02	-1.164E+02	-5.970E-13	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
101	2	17.25	2	5.559E-01	-3.836E+02	1.164E+02	5.881E-13	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06
101	3	34.50	1	1.112E+00	-7.671E+02	-2.329E+02	-5.970E-13	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
101	3	34.50	2	1.112E+00	-7.671E+02	2.329E+02	5.881E-13	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
101	4	51.75	1	1.668E+00	-1.151E+03	-3.493E+02	-5.970E-13	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
101	4	51.75	2	1.668E+00	-1.151E+03	3.493E+02	5.881E-13	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06
101	5	69.00	1	2.224E+00	-1.534E+03	-4.658E+02	-5.970E-13	1.607E+04	-5.293E+04	-1.808E-14	-3.388E-15
101	5	69.00	2	2.224E+00	-1.534E+03	4.658E+02	5.881E-13	-1.607E+04	-5.293E+04	-1.808E-14	3.388E-15
102	1	0.00	1	1.383E-10	4.830E-11	-7.927E-15	-3.099E-13	-2.235E-08	6.412E-08	0.000E+00	0.000E+00
102	1	0.00	2	-1.320E-10	4.284E-11	-7.927E-15	3.189E-13	2.235E-08	6.534E-08	0.000E+00	0.000E+00
102	2	17.25	1	5.559E-01	-3.836E+02	-7.927E-15	-3.099E-13	-2.235E-08	-3.308E+03	-1.256E-05	-2.695E-18
102	2	17.25	2	5.559E-01	-3.836E+02	7.927E-15	3.189E-13	2.235E-08	-3.308E+03	-1.256E-05	2.695E-18
102	3	34.50	1	1.112E+00	-7.671E+02	-7.927E-15	-3.099E-13	-2.235E-08	-1.323E+04	-1.648E-05	-3.593E-18
102	3	34.50	2	1.112E+00	-7.671E+02	7.927E-15	3.189E-13	2.235E-08	-1.323E+04	-1.648E-05	3.593E-18
102	4	51.75	1	1.668E+00	-1.151E+03	-7.927E-15	-3.099E-13	-2.235E-08	-2.977E+04	-1.210E-05	-2.695E-18
102	4	51.75	2	1.668E+00	-1.151E+03	7.927E-15	3.189E-13	2.235E-08	-2.977E+04	-1.210E-05	2.695E-18
102	5	69.00	1	2.224E+00	-1.534E+03	-7.927E-15	-3.099E-13	-2.235E-08	-5.293E+04	-1.808E-14	-8.451E-25
102	5	69.00	2	2.224E+00	-1.534E+03	7.927E-15	3.189E-13	2.235E-08	-5.293E+04	-1.808E-14	8.451E-25
103	1	0.00	1	4.508E+04	5.986E+04	8.498E+03	1.708E-01	3.425E+06	-5.327E+04	0.000E+00	0.000E+00
103	1	0.00	2	-4.521E+04	5.984E+04	-8.524E+03	1.729E-01	-3.426E+06	-5.259E+04	0.000E+00	0.000E+00
103	2	45.25	1	4.508E+04	5.885E+04	8.193E+03	1.708E-01	3.048E+06	2.633E+06	-1.673E-03	2.303E-03
103	2	45.25	2	-4.521E+04	5.884E+04	-8.219E+03	1.729E-01	-3.047E+06	2.633E+06	-1.673E-03	-2.301E-03

103	3	90.50	1	4.508E+04	5.784E+04	7.887E+03	1.708E-01	2.684E+06	5.273E+06	-2.653E-03	2.937E-03
103	3	90.50	2	-4.521E+04	5.783E+04	-7.913E+03	1.729E-01	-2.682E+06	5.272E+06	-2.653E-03	-2.935E-03
103	4	135.75	1	4.508E+04	5.684E+04	7.582E+03	1.708E-01	2.334E+06	7.867E+06	-2.303E-03	2.105E-03
103	4	135.75	2	-4.520E+04	5.682E+04	-7.608E+03	1.729E-01	-2.331E+06	7.866E+06	-2.303E-03	-2.103E-03
103	5	181.00	1	4.508E+04	5.583E+04	7.277E+03	1.708E-01	1.998E+06	1.042E+07	-1.628E-10	7.411E-10
103	5	181.00	2	-4.520E+04	5.582E+04	-7.303E+03	1.729E-01	-1.993E+06	1.041E+07	-1.628E-10	-7.410E-10
104	1	0.00	1	-4.521E+04	5.984E+04	8.167E+03	-1.729E-01	3.407E+06	-5.259E+04	0.000E+00	0.000E+00
104	1	0.00	2	4.508E+04	5.986E+04	-8.141E+03	-1.708E-01	-3.407E+06	-5.327E+04	0.000E+00	0.000E+00
104	2	45.25	1	-4.521E+04	5.884E+04	8.167E+03	-1.729E-01	3.038E+06	2.633E+06	-1.673E-03	2.316E-03
104	2	45.25	2	4.508E+04	5.885E+04	-8.141E+03	-1.708E-01	-3.039E+06	2.633E+06	-1.673E-03	-2.317E-03
104	3	90.50	1	-4.521E+04	5.783E+04	8.167E+03	-1.729E-01	2.668E+06	5.272E+06	-2.653E-03	2.952E-03
104	3	90.50	2	4.508E+04	5.784E+04	-8.141E+03	-1.708E-01	-2.670E+06	5.273E+06	-2.653E-03	-2.954E-03
104	4	135.75	1	-4.520E+04	5.682E+04	8.167E+03	-1.729E-01	2.299E+06	7.866E+06	-2.303E-03	2.111E-03
104	4	135.75	2	4.508E+04	5.684E+04	-8.141E+03	-1.708E-01	-2.302E+06	7.867E+06	-2.303E-03	-2.113E-03
104	5	181.00	1	-4.520E+04	5.582E+04	8.167E+03	-1.729E-01	1.929E+06	1.041E+07	-1.628E-10	3.442E-10
104	5	181.00	2	4.508E+04	5.583E+04	-8.141E+03	-1.708E-01	-1.934E+06	1.042E+07	-1.628E-10	-3.443E-10
105	1	0.00	1	3.818E+04	4.489E+04	8.498E+03	2.787E-02	3.050E+06	1.042E+07	0.000E+00	0.000E+00
105	1	0.00	2	-3.827E+04	4.489E+04	-8.489E+03	2.874E-02	-3.046E+06	1.041E+07	0.000E+00	0.000E+00
105	2	127.25	1	3.819E+04	4.206E+04	7.639E+03	2.787E-02	2.024E+06	1.595E+07	-5.586E-02	9.229E-03
105	2	127.25	2	-3.827E+04	4.206E+04	-7.630E+03	2.874E-02	-2.021E+06	1.595E+07	-5.586E-02	-9.214E-03
105	3	254.50	1	3.819E+04	3.923E+04	6.780E+03	2.787E-02	1.106E+06	2.112E+07	-8.094E-02	9.710E-03
105	3	254.50	2	-3.827E+04	3.923E+04	-6.771E+03	2.874E-02	-1.104E+06	2.112E+07	-8.093E-02	-9.694E-03
105	4	381.75	1	3.819E+04	3.640E+04	5.921E+03	2.787E-02	2.981E+05	2.593E+07	-6.537E-02	5.455E-03
105	4	381.75	2	-3.826E+04	3.640E+04	-5.912E+03	2.874E-02	-2.974E+05	2.593E+07	-6.537E-02	-5.446E-03
105	5	509.00	1	3.819E+04	3.357E+04	5.062E+03	2.787E-02	-4.007E+05	3.039E+07	-1.286E-09	6.409E-09
105	5	509.00	2	-3.826E+04	3.357E+04	-5.053E+03	2.874E-02	4.003E+05	3.038E+07	-1.285E-09	-6.411E-09
106	1	0.00	1	-3.827E+04	4.489E+04	6.946E+03	-2.874E-02	2.981E+06	1.041E+07	0.000E+00	0.000E+00
106	1	0.00	2	3.818E+04	4.489E+04	-6.955E+03	-2.787E-02	-2.985E+06	1.042E+07	0.000E+00	0.000E+00
106	2	127.25	1	-3.827E+04	4.206E+04	6.946E+03	-2.874E-02	2.097E+06	1.595E+07	-5.586E-02	9.894E-03
106	2	127.25	2	3.819E+04	4.206E+04	-6.955E+03	-2.787E-02	-2.100E+06	1.595E+07	-5.586E-02	-9.909E-03
106	3	254.50	1	-3.827E+04	3.923E+04	6.946E+03	-2.874E-02	1.213E+06	2.112E+07	-8.093E-02	1.061E-02
106	3	254.50	2	3.819E+04	3.923E+04	-6.955E+03	-2.787E-02	-1.215E+06	2.112E+07	-8.094E-02	-1.063E-02
106	4	381.75	1	-3.826E+04	3.640E+04	6.946E+03	-2.874E-02	3.295E+05	2.593E+07	-6.537E-02	6.028E-03
106	4	381.75	2	3.819E+04	3.640E+04	-6.955E+03	-2.787E-02	-3.302E+05	2.593E+07	-6.537E-02	-6.037E-03
106	5	509.00	1	-3.826E+04	3.357E+04	6.946E+03	-2.874E-02	-5.545E+05	3.038E+07	-1.285E-09	-1.699E-10
106	5	509.00	2	3.819E+04	3.357E+04	-6.955E+03	-2.787E-02	5.549E+05	3.039E+07	-1.286E-09	1.716E-10
107	1	0.00	1	3.098E+04	1.931E+04	6.872E+03	1.376E-02	7.000E+05	3.039E+07	0.000E+00	0.000E+00
107	1	0.00	2	-3.101E+04	1.931E+04	-6.874E+03	1.449E-02	-7.006E+05	3.038E+07	0.000E+00	0.000E+00
107	2	127.50	1	3.098E+04	1.647E+04	6.012E+03	1.376E-02	-1.214E+05	3.267E+07	-9.781E-02	-3.958E-03
107	2	127.50	2	-3.101E+04	1.647E+04	-6.013E+03	1.449E-02	1.209E+05	3.267E+07	-9.780E-02	3.956E-03
107	3	255.00	1	3.098E+04	1.364E+04	5.151E+03	1.376E-02	-8.330E+05	3.459E+07	-1.327E-01	-7.280E-03
107	3	255.00	2	-3.101E+04	1.364E+04	-5.152E+03	1.449E-02	8.327E+05	3.458E+07	-1.327E-01	7.278E-03
107	4	382.50	1	3.098E+04	1.080E+04	4.290E+03	1.376E-02	-1.435E+06	3.614E+07	-1.011E-01	-6.842E-03
107	4	382.50	2	-3.101E+04	1.080E+04	-4.292E+03	1.449E-02	1.435E+06	3.614E+07	-1.011E-01	6.841E-03
107	5	510.00	1	3.099E+04	7.967E+03	3.430E+03	1.376E-02	-1.927E+06	3.734E+07	-1.517E-09	4.978E-10
107	5	510.00	2	-3.100E+04	7.967E+03	-3.431E+03	1.449E-02	1.927E+06	3.734E+07	-1.517E-09	-4.974E-10
108	1	0.00	1	-3.101E+04	1.931E+04	5.136E+03	-1.449E-02	5.465E+05	3.038E+07	0.000E+00	0.000E+00
108	1	0.00	2	3.098E+04	1.931E+04	-5.135E+03	-1.376E-02	-5.459E+05	3.039E+07	0.000E+00	0.000E+00
108	2	127.50	1	-3.101E+04	1.647E+04	5.136E+03	-1.449E-02	-1.084E+05	3.267E+07	-9.780E-02	-3.589E-03
108	2	127.50	2	3.098E+04	1.647E+04	-5.135E+03	-1.376E-02	1.088E+05	3.267E+07	-9.781E-02	3.591E-03
108	3	255.00	1	-3.101E+04	1.364E+04	5.136E+03	-1.449E-02	-7.632E+05	3.458E+07	-1.327E-01	-6.703E-03
108	3	255.00	2	3.098E+04	1.364E+04	-5.135E+03	-1.376E-02	7.635E+05	3.459E+07	-1.327E-01	6.705E-03
108	4	382.50	1	-3.101E+04	1.080E+04	5.136E+03	-1.449E-02	-1.418E+06	3.614E+07	-1.011E-01	-6.465E-03
108	4	382.50	2	3.098E+04	1.080E+04	-5.135E+03	-1.376E-02	1.418E+06	3.614E+07	-1.011E-01	6.466E-03
108	5	510.00	1	-3.100E+04	7.967E+03	5.136E+03	-1.449E-02	-2.073E+06	3.734E+07	-1.517E-09	4.338E-10
108	5	510.00	2	3.099E+04	7.967E+03	-5.135E+03	-1.376E-02	2.073E+06	3.734E+07	-1.517E-09	-4.342E-10
109	1	0.00	1	2.430E+04	-7.967E+03	5.136E+03	-1.444E-02	-9.066E+05	3.734E+07	0.000E+00	0.000E+00
109	1	0.00	2	-2.428E+04	-7.967E+03	-5.136E+03	-1.381E-02	9.066E+05	3.734E+07	0.000E+00	0.000E+00
109	2	127.50	1	2.430E+04	-1.080E+04	4.275E+03	-1.444E-02	-1.507E+06	3.614E+07	-1.011E-01	-1.211E-02
109	2	127.50	2	-2.428E+04	-1.080E+04	-4.275E+03	-1.381E-02	1.507E+06	3.614E+07	-1.011E-01	1.211E-02
109	3	255.00	1	2.430E+04	-1.364E+04	3.414E+03	-1.444E-02	-1.997E+06	3.459E+07	-1.327E-01	-1.750E-02
109	3	255.00	2	-2.428E+04	-1.364E+04	-3.415E+03	-1.381E-02	1.997E+06	3.459E+07	-1.327E-01	1.750E-02

109	4	382.50	1	2.431E+04	-1.647E+04	2.554E+03	-1.444E-02	-2.377E+06	3.267E+07	-9.781E-02	-1.402E-02
109	4	382.50	2	-2.427E+04	-1.647E+04	-2.554E+03	-1.381E-02	2.377E+06	3.267E+07	-9.780E-02	1.402E-02
109	5	510.00	1	2.431E+04	-1.931E+04	1.693E+03	-1.444E-02	-2.648E+06	3.039E+07	2.323E-09	4.190E-10
109	5	510.00	2	-2.427E+04	-1.931E+04	-1.694E+03	-1.381E-02	2.648E+06	3.038E+07	2.324E-09	-4.190E-10
110	1	0.00	1	-2.428E+04	-7.967E+03	3.430E+03	1.381E-02	-1.052E+06	3.734E+07	0.000E+00	0.000E+00
110	1	0.00	2	2.430E+04	-7.967E+03	-3.430E+03	1.444E-02	1.052E+06	3.734E+07	0.000E+00	0.000E+00
110	2	127.50	1	-2.428E+04	-1.080E+04	3.430E+03	1.381E-02	-1.490E+06	3.614E+07	-1.011E-01	-1.173E-02
110	2	127.50	2	2.430E+04	-1.080E+04	-3.430E+03	1.444E-02	1.490E+06	3.614E+07	-1.011E-01	1.173E-02
110	3	255.00	1	-2.428E+04	-1.364E+04	3.430E+03	1.381E-02	-1.927E+06	3.459E+07	-1.327E-01	-1.692E-02
110	3	255.00	2	2.430E+04	-1.364E+04	-3.430E+03	1.444E-02	1.927E+06	3.459E+07	-1.327E-01	1.692E-02
110	4	382.50	1	-2.427E+04	-1.647E+04	3.430E+03	1.381E-02	-2.364E+06	3.267E+07	-9.780E-02	-1.365E-02
110	4	382.50	2	2.431E+04	-1.647E+04	-3.430E+03	1.444E-02	2.364E+06	3.267E+07	-9.781E-02	1.365E-02
110	5	510.00	1	-2.427E+04	-1.931E+04	3.430E+03	1.381E-02	-2.802E+06	3.038E+07	2.324E-09	1.453E-09
110	5	510.00	2	2.431E+04	-1.931E+04	-3.430E+03	1.444E-02	2.802E+06	3.039E+07	2.323E-09	-1.453E-09
111	1	0.00	1	1.864E+04	-3.357E+04	3.505E+03	-2.860E-02	-1.782E+06	3.039E+07	0.000E+00	0.000E+00
111	1	0.00	2	-1.857E+04	-3.357E+04	-3.503E+03	-2.801E-02	1.782E+06	3.038E+07	0.000E+00	0.000E+00
111	2	127.25	1	1.864E+04	-3.640E+04	2.646E+03	-2.860E-02	-2.174E+06	2.593E+07	-6.537E-02	-1.553E-02
111	2	127.25	2	-1.857E+04	-3.640E+04	-2.644E+03	-2.801E-02	2.173E+06	2.593E+07	-6.537E-02	1.553E-02
111	3	254.50	1	1.864E+04	-3.923E+04	1.787E+03	-2.860E-02	-2.456E+06	2.112E+07	-8.094E-02	-2.145E-02
111	3	254.50	2	-1.856E+04	-3.923E+04	-1.785E+03	-2.801E-02	2.455E+06	2.112E+07	-8.093E-02	2.144E-02
111	4	381.75	1	1.864E+04	-4.206E+04	9.284E+02	-2.860E-02	-2.629E+06	1.595E+07	-5.586E-02	-1.652E-02
111	4	381.75	2	-1.856E+04	-4.206E+04	-9.265E+02	-2.801E-02	2.628E+06	1.595E+07	-5.586E-02	1.652E-02
111	5	509.00	1	1.865E+04	-4.489E+04	6.947E+01	-2.860E-02	-2.692E+06	1.042E+07	-1.374E-08	-2.720E-09
111	5	509.00	2	-1.856E+04	-4.489E+04	-6.756E+01	-2.801E-02	2.691E+06	1.042E+07	-1.374E-08	2.719E-09
112	1	0.00	1	-1.857E+04	-3.357E+04	1.618E+03	2.800E-02	-1.936E+06	3.038E+07	0.000E+00	0.000E+00
112	1	0.00	2	1.864E+04	-3.357E+04	-1.620E+03	2.861E-02	1.936E+06	3.039E+07	0.000E+00	0.000E+00
112	2	127.25	1	-1.857E+04	-3.640E+04	1.618E+03	2.800E-02	-2.142E+06	2.593E+07	-6.537E-02	-1.495E-02
112	2	127.25	2	1.864E+04	-3.640E+04	-1.620E+03	2.861E-02	2.142E+06	2.593E+07	-6.537E-02	1.496E-02
112	3	254.50	1	-1.856E+04	-3.923E+04	1.618E+03	2.800E-02	-2.348E+06	2.112E+07	-8.093E-02	-2.054E-02
112	3	254.50	2	1.864E+04	-3.923E+04	-1.620E+03	2.861E-02	2.348E+06	2.112E+07	-8.094E-02	2.054E-02
112	4	381.75	1	-1.856E+04	-4.206E+04	1.618E+03	2.800E-02	-2.554E+06	1.595E+07	-5.586E-02	-1.585E-02
112	4	381.75	2	1.864E+04	-4.206E+04	-1.620E+03	2.861E-02	2.554E+06	1.595E+07	-5.586E-02	1.586E-02
112	5	509.00	1	-1.856E+04	-4.489E+04	1.618E+03	2.800E-02	-2.760E+06	1.042E+07	-1.374E-08	-8.614E-10
112	5	509.00	2	1.865E+04	-4.489E+04	-1.620E+03	2.861E-02	2.761E+06	1.042E+07	-1.374E-08	8.616E-10
113	1	0.00	1	1.416E+04	-5.583E+04	1.283E+03	-1.718E-01	-2.007E+06	1.042E+07	0.000E+00	0.000E+00
113	1	0.00	2	-1.403E+04	-5.583E+04	-1.290E+03	-1.719E-01	2.005E+06	1.042E+07	0.000E+00	0.000E+00
113	2	45.25	1	1.416E+04	-5.683E+04	9.780E+02	-1.718E-01	-2.058E+06	7.867E+06	-2.303E-03	-1.752E-03
113	2	45.25	2	-1.403E+04	-5.683E+04	-9.850E+02	-1.719E-01	2.057E+06	7.867E+06	-2.303E-03	1.752E-03
113	3	90.50	1	1.416E+04	-5.784E+04	6.725E+02	-1.718E-01	-2.095E+06	5.273E+06	-2.653E-03	-2.349E-03
113	3	90.50	2	-1.403E+04	-5.784E+04	-6.795E+02	-1.719E-01	2.095E+06	5.272E+06	-2.653E-03	2.348E-03
113	4	135.75	1	1.416E+04	-5.884E+04	3.671E+02	-1.718E-01	-2.119E+06	2.633E+06	-1.673E-03	-1.769E-03
113	4	135.75	2	-1.403E+04	-5.884E+04	-3.741E+02	-1.719E-01	2.118E+06	2.632E+06	-1.673E-03	1.769E-03
113	5	181.00	1	1.416E+04	-5.985E+04	6.165E+01	-1.718E-01	-2.128E+06	-5.268E+04	-4.527E-10	2.862E-10
113	5	181.00	2	-1.403E+04	-5.985E+04	-6.866E+01	-1.719E-01	2.128E+06	-5.319E+04	-4.526E-10	-2.866E-10
114	1	0.00	1	-1.403E+04	-5.583E+04	4.041E+02	1.719E-01	-2.073E+06	1.042E+07	0.000E+00	0.000E+00
114	1	0.00	2	1.416E+04	-5.583E+04	-3.971E+02	1.717E-01	2.074E+06	1.042E+07	0.000E+00	0.000E+00
114	2	45.25	1	-1.403E+04	-5.683E+04	4.041E+02	1.719E-01	-2.092E+06	7.867E+06	-2.303E-03	-1.745E-03
114	2	45.25	2	1.416E+04	-5.683E+04	-3.971E+02	1.717E-01	2.092E+06	7.867E+06	-2.303E-03	1.746E-03
114	3	90.50	1	-1.403E+04	-5.784E+04	4.041E+02	1.719E-01	-2.110E+06	5.272E+06	-2.653E-03	-2.334E-03
114	3	90.50	2	1.416E+04	-5.784E+04	-3.971E+02	1.717E-01	2.110E+06	5.273E+06	-2.653E-03	2.334E-03
114	4	135.75	1	-1.403E+04	-5.884E+04	4.041E+02	1.719E-01	-2.128E+06	2.632E+06	-1.673E-03	-1.755E-03
114	4	135.75	2	1.416E+04	-5.884E+04	-3.971E+02	1.717E-01	2.128E+06	2.633E+06	-1.673E-03	1.756E-03
114	5	181.00	1	-1.403E+04	-5.985E+04	4.041E+02	1.719E-01	-2.146E+06	-5.319E+04	-4.526E-10	1.097E-10
114	5	181.00	2	1.416E+04	-5.985E+04	-3.971E+02	1.717E-01	2.146E+06	-5.268E+04	-4.527E-10	-1.093E-10
115	1	0.00	1	5.266E-10	1.534E+03	4.658E+02	3.466E-16	1.607E+04	-5.293E+04	0.000E+00	0.000E+00
115	1	0.00	2	-1.719E-10	1.534E+03	-4.658E+02	1.353E-17	-1.607E+04	-5.293E+04	0.000E+00	0.000E+00
115	2	17.25	1	5.266E-10	1.151E+03	3.493E+02	3.466E-16	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
115	2	17.25	2	-1.719E-10	1.151E+03	-3.493E+02	1.353E-17	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06
115	3	34.50	1	5.266E-10	7.671E+02	2.329E+02	3.466E-16	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
115	3	34.50	2	-1.719E-10	7.671E+02	-2.329E+02	1.353E-17	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
115	4	51.75	1	5.266E-10	3.836E+02	1.164E+02	3.466E-16	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
115	4	51.75	2	-1.719E-10	3.836E+02	-1.164E+02	1.353E-17	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06

115	5	69.00	1	5.266E-10	8.543E-10	7.858E-10	3.466E-16	2.395E-08	-1.178E-07	4.930E-13	2.063E-13
115	5	69.00	2	-1.719E-10	8.543E-10	-7.858E-10	1.353E-17	-2.407E-08	-1.178E-07	4.930E-13	-2.063E-13
116	1	0.00	1	-6.112E-10	1.534E+03	4.191E-09	-2.190E-15	2.460E-07	-5.293E+04	0.000E+00	0.000E+00
116	1	0.00	2	7.858E-10	1.534E+03	-4.191E-09	-2.565E-15	-2.458E-07	-5.293E+04	0.000E+00	0.000E+00
116	2	17.25	1	-6.112E-10	1.151E+03	4.191E-09	-2.190E-15	1.737E-07	-2.977E+04	-1.210E-05	1.512E-17
116	2	17.25	2	7.858E-10	1.151E+03	-4.191E-09	-2.565E-15	-1.735E-07	-2.977E+04	-1.210E-05	-1.512E-17
116	3	34.50	1	-6.112E-10	7.671E+02	4.191E-09	-2.190E-15	1.014E-07	-1.323E+04	-1.648E-05	1.628E-17
116	3	34.50	2	7.858E-10	7.671E+02	-4.191E-09	-2.565E-15	-1.012E-07	-1.323E+04	-1.648E-05	-1.628E-17
116	4	51.75	1	-6.112E-10	3.836E+02	4.191E-09	-2.190E-15	2.909E-08	-3.308E+03	-1.256E-05	9.305E-18
116	4	51.75	2	7.858E-10	3.836E+02	-4.191E-09	-2.565E-15	-2.889E-08	-3.308E+03	-1.256E-05	-9.305E-18
116	5	69.00	1	-6.112E-10	-5.171E-12	4.191E-09	-2.190E-15	-4.321E-08	-1.012E-07	4.930E-13	-3.820E-24
116	5	69.00	2	7.858E-10	1.319E-10	-4.191E-09	-2.565E-15	4.340E-08	-9.787E-08	4.930E-13	3.820E-24
117	1	0.00	1	-1.400E-09	-9.059E-10	-6.635E-09	0.000E+00	-6.035E-07	1.380E-07	0.000E+00	0.000E+00
117	1	0.00	2	1.394E-09	4.692E-10	6.636E-09	0.000E+00	6.035E-07	7.653E-08	0.000E+00	0.000E+00
117	2	17.25	1	-1.400E-09	-3.836E+02	-1.164E+02	0.000E+00	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
117	2	17.25	2	1.394E-09	-3.836E+02	1.164E+02	0.000E+00	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06
117	3	34.50	1	-1.400E-09	-7.671E+02	-2.329E+02	0.000E+00	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
117	3	34.50	2	1.394E-09	-7.671E+02	2.329E+02	0.000E+00	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
117	4	51.75	1	-1.400E-09	-1.151E+03	-3.493E+02	0.000E+00	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
117	4	51.75	2	1.394E-09	-1.151E+03	3.493E+02	0.000E+00	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06
117	5	69.00	1	-1.400E-09	-1.534E+03	-4.658E+02	0.000E+00	1.607E+04	-5.293E+04	9.744E-15	4.829E-15
117	5	69.00	2	1.394E-09	-1.534E+03	4.658E+02	0.000E+00	-1.607E+04	-5.293E+04	9.744E-15	-4.829E-15
118	1	0.00	1	1.391E-09	-3.069E-10	2.096E-09	0.000E+00	-5.812E-07	2.102E-08	0.000E+00	0.000E+00
118	1	0.00	2	-1.403E-09	-3.069E-10	-2.095E-09	0.000E+00	5.811E-07	9.845E-09	0.000E+00	0.000E+00
118	2	17.25	1	1.391E-09	-3.836E+02	2.096E-09	0.000E+00	-6.173E-07	-3.308E+03	-1.256E-05	-7.733E-17
118	2	17.25	2	-1.403E-09	-3.836E+02	-2.095E-09	0.000E+00	6.173E-07	-3.308E+03	-1.256E-05	7.733E-17
118	3	34.50	1	1.391E-09	-7.671E+02	2.096E-09	0.000E+00	-6.535E-07	-1.323E+04	-1.648E-05	-1.050E-16
118	3	34.50	2	-1.403E-09	-7.671E+02	-2.095E-09	0.000E+00	6.534E-07	-1.323E+04	-1.648E-05	1.050E-16
118	4	51.75	1	1.391E-09	-1.151E+03	2.096E-09	0.000E+00	-6.896E-07	-2.977E+04	-1.210E-05	-8.023E-17
118	4	51.75	2	-1.403E-09	-1.151E+03	-2.095E-09	0.000E+00	6.896E-07	-2.977E+04	-1.210E-05	8.023E-17
118	5	69.00	1	1.391E-09	-1.534E+03	2.096E-09	0.000E+00	-7.258E-07	-5.293E+04	9.755E-15	1.483E-23
118	5	69.00	2	-1.403E-09	-1.534E+03	-2.095E-09	0.000E+00	7.257E-07	-5.293E+04	9.755E-15	-1.483E-23
119	1	0.00	1	1.403E+04	5.985E+04	-6.881E+01	1.729E-01	-2.128E+06	-5.244E+04	0.000E+00	0.000E+00
119	1	0.00	2	-1.416E+04	5.985E+04	6.149E+01	1.708E-01	2.128E+06	-5.343E+04	0.000E+00	0.000E+00
119	2	45.25	1	1.403E+04	5.884E+04	-3.743E+02	1.729E-01	-2.118E+06	2.633E+06	-1.673E-03	-1.769E-03
119	2	45.25	2	-1.416E+04	5.885E+04	3.669E+02	1.708E-01	2.119E+06	2.632E+06	-1.673E-03	1.769E-03
119	3	90.50	1	1.403E+04	5.784E+04	-6.797E+02	1.729E-01	-2.095E+06	5.273E+06	-2.653E-03	-2.348E-03
119	3	90.50	2	-1.416E+04	5.784E+04	6.724E+02	1.708E-01	2.095E+06	5.272E+06	-2.653E-03	2.349E-03
119	4	135.75	1	1.403E+04	5.683E+04	-9.851E+02	1.729E-01	-2.057E+06	7.867E+06	-2.303E-03	-1.752E-03
119	4	135.75	2	-1.416E+04	5.683E+04	9.778E+02	1.708E-01	2.058E+06	7.867E+06	-2.303E-03	1.752E-03
119	5	181.00	1	1.403E+04	5.582E+04	-1.291E+03	1.729E-01	-2.005E+06	1.042E+07	-5.450E-11	2.165E-10
119	5	181.00	2	-1.416E+04	5.583E+04	1.283E+03	1.708E-01	2.007E+06	1.042E+07	-5.453E-11	-2.165E-10
120	1	0.00	1	-1.416E+04	5.985E+04	-3.969E+02	-1.707E-01	-2.146E+06	-5.343E+04	0.000E+00	0.000E+00
120	1	0.00	2	1.403E+04	5.985E+04	4.043E+02	-1.729E-01	2.146E+06	-5.244E+04	0.000E+00	0.000E+00
120	2	45.25	1	-1.416E+04	5.885E+04	-3.969E+02	-1.707E-01	-2.128E+06	2.632E+06	-1.673E-03	-1.756E-03
120	2	45.25	2	1.403E+04	5.884E+04	4.043E+02	-1.729E-01	2.128E+06	2.633E+06	-1.673E-03	1.755E-03
120	3	90.50	1	-1.416E+04	5.784E+04	-3.969E+02	-1.707E-01	-2.110E+06	5.272E+06	-2.653E-03	-2.334E-03
120	3	90.50	2	1.403E+04	5.784E+04	4.043E+02	-1.729E-01	2.110E+06	5.273E+06	-2.653E-03	2.334E-03
120	4	135.75	1	-1.416E+04	5.683E+04	-3.969E+02	-1.707E-01	-2.092E+06	7.867E+06	-2.303E-03	-1.746E-03
120	4	135.75	2	1.403E+04	5.683E+04	4.043E+02	-1.729E-01	2.092E+06	7.867E+06	-2.303E-03	1.745E-03
120	5	181.00	1	-1.416E+04	5.583E+04	-3.969E+02	-1.707E-01	-2.074E+06	1.042E+07	-5.453E-11	-1.466E-10
120	5	181.00	2	1.403E+04	5.582E+04	4.043E+02	-1.729E-01	2.073E+06	1.042E+07	-5.450E-11	1.466E-10
121	1	0.00	1	1.856E+04	4.489E+04	-6.738E+01	2.903E-02	-2.691E+06	1.042E+07	0.000E+00	0.000E+00
121	1	0.00	2	-1.865E+04	4.489E+04	6.964E+01	2.758E-02	2.692E+06	1.042E+07	0.000E+00	0.000E+00
121	2	127.25	1	1.856E+04	4.206E+04	-9.263E+02	2.903E-02	-2.628E+06	1.595E+07	-5.586E-02	-1.652E-02
121	2	127.25	2	-1.864E+04	4.206E+04	9.286E+02	2.758E-02	2.629E+06	1.595E+07	-5.586E-02	1.652E-02
121	3	254.50	1	1.856E+04	3.923E+04	-1.785E+03	2.903E-02	-2.455E+06	2.112E+07	-8.093E-02	-2.144E-02
121	3	254.50	2	-1.864E+04	3.923E+04	1.788E+03	2.758E-02	2.456E+06	2.112E+07	-8.093E-02	2.145E-02
121	4	381.75	1	1.857E+04	3.640E+04	-2.644E+03	2.903E-02	-2.173E+06	2.593E+07	-6.537E-02	-1.553E-02
121	4	381.75	2	-1.864E+04	3.640E+04	2.646E+03	2.758E-02	2.174E+06	2.593E+07	-6.537E-02	1.553E-02
121	5	509.00	1	1.857E+04	3.357E+04	-3.503E+03	2.903E-02	-1.782E+06	3.039E+07	-6.472E-10	1.448E-09
121	5	509.00	2	-1.864E+04	3.358E+04	3.505E+03	2.758E-02	1.782E+06	3.039E+07	-6.470E-10	-1.449E-09

122	1	0.00	1	-1.865E+04	4.489E+04	-1.620E+03	-2.759E-02	-2.761E+06	1.042E+07	0.000E+00	0.000E+00
122	1	0.00	2	1.856E+04	4.489E+04	1.618E+03	-2.902E-02	2.760E+06	1.042E+07	0.000E+00	0.000E+00
122	2	127.25	1	-1.864E+04	4.206E+04	-1.620E+03	-2.759E-02	-2.554E+06	1.595E+07	-5.586E-02	-1.586E-02
122	2	127.25	2	1.856E+04	4.206E+04	1.618E+03	-2.902E-02	2.554E+06	1.595E+07	-5.586E-02	1.585E-02
122	3	254.50	1	-1.864E+04	3.923E+04	-1.620E+03	-2.759E-02	-2.348E+06	2.112E+07	-8.093E-02	-2.054E-02
122	3	254.50	2	1.856E+04	3.923E+04	1.618E+03	-2.902E-02	2.348E+06	2.112E+07	-8.093E-02	2.054E-02
122	4	381.75	1	-1.864E+04	3.640E+04	-1.620E+03	-2.759E-02	-2.142E+06	2.593E+07	-6.537E-02	-1.496E-02
122	4	381.75	2	1.857E+04	3.640E+04	1.618E+03	-2.902E-02	2.142E+06	2.593E+07	-6.537E-02	1.495E-02
122	5	509.00	1	-1.864E+04	3.358E+04	-1.620E+03	-2.759E-02	-1.936E+06	3.039E+07	-6.470E-10	-1.252E-09
122	5	509.00	2	1.857E+04	3.357E+04	1.618E+03	-2.902E-02	1.936E+06	3.039E+07	-6.472E-10	1.253E-09
123	1	0.00	1	2.427E+04	1.931E+04	-1.690E+03	1.485E-02	-2.648E+06	3.039E+07	0.000E+00	0.000E+00
123	1	0.00	2	-2.431E+04	1.931E+04	1.696E+03	1.340E-02	2.648E+06	3.039E+07	0.000E+00	0.000E+00
123	2	127.50	1	2.427E+04	1.647E+04	-2.551E+03	1.485E-02	-2.378E+06	3.267E+07	-9.780E-02	-1.403E-02
123	2	127.50	2	-2.431E+04	1.647E+04	2.557E+03	1.340E-02	2.377E+06	3.267E+07	-9.781E-02	1.402E-02
123	3	255.00	1	2.428E+04	1.364E+04	-3.412E+03	1.485E-02	-1.998E+06	3.459E+07	-1.327E-01	-1.751E-02
123	3	255.00	2	-2.430E+04	1.364E+04	3.418E+03	1.340E-02	1.996E+06	3.459E+07	-1.327E-01	1.749E-02
123	4	382.50	1	2.428E+04	1.080E+04	-4.272E+03	1.485E-02	-1.508E+06	3.614E+07	-1.011E-01	-1.212E-02
123	4	382.50	2	-2.430E+04	1.080E+04	4.278E+03	1.340E-02	1.505E+06	3.614E+07	-1.011E-01	1.210E-02
123	5	510.00	1	2.428E+04	7.965E+03	-5.133E+03	1.485E-02	-9.083E+05	3.734E+07	-1.746E-09	3.083E-09
123	5	510.00	2	-2.430E+04	7.968E+03	5.139E+03	1.340E-02	9.049E+05	3.734E+07	-1.746E-09	-3.084E-09
124	1	0.00	1	-2.431E+04	1.931E+04	-3.433E+03	-1.340E-02	-2.801E+06	3.039E+07	0.000E+00	0.000E+00
124	1	0.00	2	2.427E+04	1.931E+04	3.427E+03	-1.485E-02	2.802E+06	3.039E+07	0.000E+00	0.000E+00
124	2	127.50	1	-2.431E+04	1.647E+04	-3.433E+03	-1.340E-02	-2.364E+06	3.267E+07	-9.781E-02	-1.365E-02
124	2	127.50	2	2.427E+04	1.647E+04	3.427E+03	-1.485E-02	2.365E+06	3.267E+07	-9.780E-02	1.366E-02
124	3	255.00	1	-2.430E+04	1.364E+04	-3.433E+03	-1.340E-02	-1.926E+06	3.459E+07	-1.327E-01	-1.692E-02
124	3	255.00	2	2.428E+04	1.364E+04	3.427E+03	-1.485E-02	1.928E+06	3.459E+07	-1.327E-01	1.693E-02
124	4	382.50	1	-2.430E+04	1.080E+04	-3.433E+03	-1.340E-02	-1.488E+06	3.614E+07	-1.011E-01	-1.173E-02
124	4	382.50	2	2.428E+04	1.080E+04	3.427E+03	-1.485E-02	1.491E+06	3.614E+07	-1.011E-01	1.174E-02
124	5	510.00	1	-2.430E+04	7.968E+03	-3.433E+03	-1.340E-02	-1.051E+06	3.734E+07	-1.746E-09	3.153E-09
124	5	510.00	2	2.428E+04	7.965E+03	3.427E+03	-1.485E-02	1.054E+06	3.734E+07	-1.746E-09	-3.152E-09
125	1	0.00	1	3.100E+04	-7.968E+03	-3.489E+03	-1.346E-02	-1.929E+06	3.734E+07	0.000E+00	0.000E+00
125	1	0.00	2	-3.099E+04	-7.965E+03	3.372E+03	-1.479E-02	1.925E+06	3.734E+07	0.000E+00	0.000E+00
125	2	127.50	1	3.101E+04	-1.080E+04	-4.350E+03	-1.346E-02	-1.429E+06	3.614E+07	-1.011E-01	-6.771E-03
125	2	127.50	2	-3.098E+04	-1.080E+04	4.233E+03	-1.479E-02	1.440E+06	3.614E+07	-1.011E-01	6.911E-03
125	3	255.00	1	3.101E+04	-1.364E+04	-5.211E+03	-1.346E-02	-8.196E+05	3.458E+07	-1.327E-01	-7.163E-03
125	3	255.00	2	-3.098E+04	-1.364E+04	5.093E+03	-1.479E-02	8.460E+05	3.459E+07	-1.327E-01	7.394E-03
125	4	382.50	1	3.101E+04	-1.647E+04	-6.071E+03	-1.346E-02	-1.004E+05	3.267E+07	-9.780E-02	-3.853E-03
125	4	382.50	2	-3.098E+04	-1.647E+04	5.954E+03	-1.479E-02	1.417E+05	3.267E+07	-9.781E-02	4.060E-03
125	5	510.00	1	3.101E+04	-1.931E+04	-6.932E+03	-1.346E-02	7.286E+05	3.038E+07	2.433E-09	1.744E-09
125	5	510.00	2	-3.098E+04	-1.931E+04	6.815E+03	-1.479E-02	-6.723E+05	3.039E+07	2.433E-09	-1.743E-09
126	1	0.00	1	-3.099E+04	-7.965E+03	-5.076E+03	1.479E-02	-2.071E+06	3.734E+07	0.000E+00	0.000E+00
126	1	0.00	2	3.100E+04	-7.968E+03	5.194E+03	1.346E-02	2.075E+06	3.734E+07	0.000E+00	0.000E+00
126	2	127.50	1	-3.098E+04	-1.080E+04	-5.076E+03	1.479E-02	-1.424E+06	3.614E+07	-1.011E-01	-6.536E-03
126	2	127.50	2	3.101E+04	-1.080E+04	5.194E+03	1.346E-02	1.412E+06	3.614E+07	-1.011E-01	6.396E-03
126	3	255.00	1	-3.098E+04	-1.364E+04	-5.076E+03	1.479E-02	-7.766E+05	3.459E+07	-1.327E-01	-6.820E-03
126	3	255.00	2	3.101E+04	-1.364E+04	5.194E+03	1.346E-02	7.503E+05	3.458E+07	-1.327E-01	6.589E-03
126	4	382.50	1	-3.098E+04	-1.647E+04	-5.076E+03	1.479E-02	-1.294E+05	3.267E+07	-9.781E-02	-3.694E-03
126	4	382.50	2	3.101E+04	-1.647E+04	5.194E+03	1.346E-02	8.807E+04	3.267E+07	-9.780E-02	3.488E-03
126	5	510.00	1	-3.098E+04	-1.931E+04	-5.076E+03	1.479E-02	5.178E+05	3.039E+07	2.433E-09	-8.374E-10
126	5	510.00	2	3.101E+04	-1.931E+04	5.194E+03	1.346E-02	-5.741E+05	3.038E+07	2.433E-09	8.360E-10
127	1	0.00	1	3.826E+04	-3.358E+04	-4.568E+03	-2.772E-02	-3.720E+05	3.038E+07	0.000E+00	0.000E+00
127	1	0.00	2	-3.819E+04	-3.357E+04	5.540E+03	-2.889E-02	4.287E+05	3.039E+07	0.000E+00	0.000E+00
127	2	127.25	1	3.826E+04	-3.640E+04	-5.427E+03	-2.772E-02	2.640E+05	2.593E+07	-6.537E-02	4.957E-03
127	2	127.25	2	-3.819E+04	-3.640E+04	6.399E+03	-2.889E-02	-3.310E+05	2.593E+07	-6.537E-02	-5.938E-03
127	3	254.50	1	3.827E+04	-3.923E+04	-6.286E+03	-2.772E-02	1.009E+06	2.112E+07	-8.093E-02	8.862E-03
127	3	254.50	2	-3.819E+04	-3.923E+04	7.258E+03	-2.889E-02	-1.200E+06	2.112E+07	-8.094E-02	-1.053E-02
127	4	381.75	1	3.827E+04	-4.206E+04	-7.145E+03	-2.772E-02	1.864E+06	1.595E+07	-5.586E-02	8.456E-03
127	4	381.75	2	-3.819E+04	-4.206E+04	8.117E+03	-2.889E-02	-2.178E+06	1.595E+07	-5.587E-02	-9.978E-03
127	5	509.00	1	3.827E+04	-4.489E+04	-8.004E+03	-2.772E-02	2.828E+06	1.041E+07	-1.329E-08	6.772E-11
127	5	509.00	2	-3.818E+04	-4.489E+04	8.976E+03	-2.889E-02	-3.266E+06	1.042E+07	-1.330E-08	-7.856E-11
128	1	0.00	1	-3.819E+04	-3.357E+04	-7.440E+03	2.889E-02	-5.832E+05	3.039E+07	0.000E+00	0.000E+00
128	1	0.00	2	3.826E+04	-3.358E+04	6.468E+03	2.772E-02	5.265E+05	3.038E+07	0.000E+00	0.000E+00

128	2	127.25	1	-3.819E+04	-3.640E+04	-7.440E+03	2.889E-02	3.635E+05	2.593E+07	-6.537E-02	6.526E-03
128	2	127.25	2	3.826E+04	-3.640E+04	6.468E+03	2.772E-02	-2.965E+05	2.593E+07	-6.537E-02	-5.545E-03
128	3	254.50	1	-3.819E+04	-3.923E+04	-7.440E+03	2.889E-02	1.310E+06	2.112E+07	-8.094E-02	1.146E-02
128	3	254.50	2	3.827E+04	-3.923E+04	6.468E+03	2.772E-02	-1.120E+06	2.112E+07	-8.093E-02	-9.793E-03
128	4	381.75	1	-3.819E+04	-4.206E+04	-7.440E+03	2.889E-02	2.257E+06	1.595E+07	-5.587E-02	1.067E-02
128	4	381.75	2	3.827E+04	-4.206E+04	6.468E+03	2.772E-02	-1.943E+06	1.595E+07	-5.586E-02	-9.145E-03
128	5	509.00	1	-3.818E+04	-4.489E+04	-7.440E+03	2.889E-02	3.204E+06	1.042E+07	-1.330E-08	3.214E-10
128	5	509.00	2	3.827E+04	-4.489E+04	6.468E+03	2.772E-02	-2.766E+06	1.041E+07	-1.329E-08	-3.106E-10
129	1	0.00	1	4.520E+04	-5.582E+04	-8.574E+03	-1.718E-01	1.773E+06	1.041E+07	0.000E+00	0.000E+00
129	1	0.00	2	-4.508E+04	-5.583E+04	6.021E+03	-1.718E-01	-2.215E+06	1.042E+07	0.000E+00	0.000E+00
129	2	45.25	1	4.520E+04	-5.683E+04	-8.880E+03	-1.718E-01	2.168E+06	7.866E+06	-2.303E-03	2.000E-03
129	2	45.25	2	-4.508E+04	-5.684E+04	6.326E+03	-1.718E-01	-2.495E+06	7.868E+06	-2.304E-03	-2.207E-03
129	3	90.50	1	4.521E+04	-5.783E+04	-9.185E+03	-1.718E-01	2.577E+06	5.272E+06	-2.652E-03	2.819E-03
129	3	90.50	2	-4.508E+04	-5.784E+04	6.632E+03	-1.718E-01	-2.788E+06	5.273E+06	-2.653E-03	-3.052E-03
129	4	135.75	1	4.521E+04	-5.884E+04	-9.491E+03	-1.718E-01	2.999E+06	2.632E+06	-1.673E-03	2.230E-03
129	4	135.75	2	-4.508E+04	-5.885E+04	6.937E+03	-1.718E-01	-3.095E+06	2.633E+06	-1.673E-03	-2.373E-03
129	5	181.00	1	4.521E+04	-5.984E+04	-9.796E+03	-1.718E-01	3.435E+06	-5.334E+04	-8.975E-10	4.793E-10
129	5	181.00	2	-4.508E+04	-5.986E+04	7.243E+03	-1.718E-01	-3.415E+06	-5.253E+04	-8.975E-10	-4.216E-10
130	1	0.00	1	-4.508E+04	-5.583E+04	-6.870E+03	1.718E-01	2.154E+06	1.042E+07	0.000E+00	0.000E+00
130	1	0.00	2	4.520E+04	-5.582E+04	9.423E+03	1.718E-01	-1.712E+06	1.041E+07	0.000E+00	0.000E+00
130	2	45.25	1	-4.508E+04	-5.684E+04	-6.870E+03	1.718E-01	2.465E+06	7.868E+06	-2.304E-03	2.217E-03
130	2	45.25	2	4.520E+04	-5.683E+04	9.423E+03	1.718E-01	-2.138E+06	7.866E+06	-2.303E-03	-2.010E-03
130	3	90.50	1	-4.508E+04	-5.784E+04	-6.870E+03	1.718E-01	2.776E+06	5.273E+06	-2.653E-03	3.070E-03
130	3	90.50	2	4.521E+04	-5.783E+04	9.423E+03	1.718E-01	-2.564E+06	5.272E+06	-2.652E-03	-2.837E-03
130	4	135.75	1	-4.508E+04	-5.885E+04	-6.870E+03	1.718E-01	3.086E+06	2.633E+06	-1.673E-03	2.389E-03
130	4	135.75	2	4.521E+04	-5.884E+04	9.423E+03	1.718E-01	-2.991E+06	2.632E+06	-1.673E-03	-2.245E-03
130	5	181.00	1	-4.508E+04	-5.986E+04	-6.870E+03	1.718E-01	3.397E+06	-5.253E+04	-8.975E-10	3.336E-10
130	5	181.00	2	4.521E+04	-5.984E+04	9.423E+03	1.718E-01	-3.417E+06	-5.334E+04	-8.975E-10	-3.913E-10
131	1	0.00	1	-2.224E+00	1.534E+03	4.658E+02	1.534E-10	1.607E+04	-5.293E+04	0.000E+00	0.000E+00
131	1	0.00	2	-2.224E+00	1.534E+03	-4.658E+02	-1.432E-10	-1.607E+04	-5.293E+04	0.000E+00	0.000E+00
131	2	17.25	1	-1.668E+00	1.151E+03	3.493E+02	1.534E-10	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
131	2	17.25	2	-1.668E+00	1.151E+03	-3.493E+02	-1.432E-10	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06
131	3	34.50	1	-1.112E+00	7.671E+02	2.329E+02	1.534E-10	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
131	3	34.50	2	-1.112E+00	7.671E+02	-2.329E+02	-1.432E-10	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
131	4	51.75	1	-5.559E-01	3.836E+02	1.164E+02	1.534E-10	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
131	4	51.75	2	-5.559E-01	3.836E+02	-1.164E+02	-1.432E-10	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06
131	5	69.00	1	-1.644E-09	4.216E-10	4.502E-09	1.534E-10	3.971E-08	1.041E-07	2.092E-13	-3.646E-13
131	5	69.00	2	1.155E-09	-9.973E-10	-4.551E-09	-1.432E-10	-4.196E-08	3.974E-08	2.092E-13	3.646E-13
132	1	0.00	1	-2.224E+00	1.534E+03	-1.744E-09	7.788E-11	-1.076E-08	-5.293E+04	0.000E+00	0.000E+00
132	1	0.00	2	-2.224E+00	1.534E+03	1.399E-09	-7.151E-11	-1.076E-08	-5.293E+04	0.000E+00	0.000E+00
132	2	17.25	1	-1.668E+00	1.151E+03	-1.744E-09	7.788E-11	1.932E-08	-2.977E+04	-1.210E-05	4.801E-18
132	2	17.25	2	-1.668E+00	1.151E+03	1.399E-09	-7.151E-11	-3.490E-08	-2.977E+04	-1.210E-05	-6.094E-18
132	3	34.50	1	-1.112E+00	7.671E+02	-1.744E-09	7.788E-11	4.940E-08	-1.323E+04	-1.648E-05	8.007E-18
132	3	34.50	2	-1.112E+00	7.671E+02	1.399E-09	-7.151E-11	-5.904E-08	-1.323E+04	-1.648E-05	-9.425E-18
132	4	51.75	1	-5.559E-01	3.836E+02	-1.744E-09	7.788E-11	7.948E-08	-3.308E+03	-1.256E-05	7.210E-18
132	4	51.75	2	-5.559E-01	3.836E+02	1.399E-09	-7.151E-11	-8.318E-08	-3.308E+03	-1.256E-05	-8.043E-18
132	5	69.00	1	1.035E-09	1.437E-09	-1.744E-09	7.788E-11	1.096E-07	-1.361E-07	2.092E-13	2.732E-25
132	5	69.00	2	-9.181E-10	-1.051E-09	1.399E-09	-7.151E-11	-1.073E-07	-3.134E-07	2.092E-13	-3.119E-25
133	1	0.00	1	1.217E-10	-4.878E-10	-1.059E-09	-4.146E-11	2.476E-09	7.083E-08	0.000E+00	0.000E+00
133	1	0.00	2	-1.239E-10	4.290E-10	1.053E-09	4.187E-11	-2.664E-09	8.759E-08	0.000E+00	0.000E+00
133	2	17.25	1	5.559E-01	-3.836E+02	-1.164E+02	-4.146E-11	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
133	2	17.25	2	5.559E-01	-3.836E+02	1.164E+02	4.187E-11	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06
133	3	34.50	1	1.112E+00	-7.671E+02	-2.329E+02	-4.146E-11	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
133	3	34.50	2	1.112E+00	-7.671E+02	2.329E+02	4.187E-11	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
133	4	51.75	1	1.668E+00	-1.151E+03	-3.493E+02	-4.146E-11	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
133	4	51.75	2	1.668E+00	-1.151E+03	3.493E+02	4.187E-11	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06
133	5	69.00	1	2.224E+00	-1.534E+03	-4.658E+02	-4.146E-11	1.607E+04	-5.293E+04	-1.808E-14	-3.368E-15
133	5	69.00	2	2.224E+00	-1.534E+03	4.658E+02	4.187E-11	-1.607E+04	-5.293E+04	-1.808E-14	3.368E-15
134	1	0.00	1	-4.430E-10	2.980E-10	4.128E-10	-4.188E-11	2.256E-08	7.362E-08	0.000E+00	0.000E+00
134	1	0.00	2	4.356E-10	-5.532E-10	-4.167E-10	4.147E-11	-2.214E-08	1.463E-07	0.000E+00	0.000E+00
134	2	17.25	1	5.559E-01	-3.836E+02	4.128E-10	-4.188E-11	1.544E-08	-3.308E+03	-1.256E-05	1.257E-18
134	2	17.25	2	5.559E-01	-3.836E+02	-4.167E-10	4.147E-11	-1.495E-08	-3.308E+03	-1.256E-05	-1.257E-18

134	3	34.50	1	1.112E+00	-7.671E+02	4.128E-10	-4.188E-11	8.323E-09	-1.323E+04	-1.648E-05	1.293E-18
134	3	34.50	2	1.112E+00	-7.671E+02	-4.167E-10	4.147E-11	-7.764E-09	-1.323E+04	-1.648E-05	-1.293E-18
134	4	51.75	1	1.668E+00	-1.151E+03	4.128E-10	-4.188E-11	1.202E-09	-2.977E+04	-1.210E-05	6.823E-19
134	4	51.75	2	1.668E+00	-1.151E+03	-4.167E-10	4.147E-11	-5.772E-10	-2.977E+04	-1.210E-05	-6.823E-19
134	5	69.00	1	2.224E+00	-1.534E+03	4.128E-10	-4.188E-11	-5.919E-09	-5.293E+04	-1.808E-14	9.797E-25
134	5	69.00	2	2.224E+00	-1.534E+03	-4.167E-10	4.147E-11	6.610E-09	-5.293E+04	-1.808E-14	-9.797E-25
135	1	0.00	1	4.508E+04	5.986E+04	9.816E+03	1.697E-01	3.436E+06	-5.409E+04	0.000E+00	0.000E+00
135	1	0.00	2	-4.521E+04	5.984E+04	-7.223E+03	1.740E-01	-3.415E+06	-5.178E+04	0.000E+00	0.000E+00
135	2	45.25	1	4.508E+04	5.885E+04	9.510E+03	1.697E-01	2.998E+06	2.632E+06	-1.673E-03	2.229E-03
135	2	45.25	2	-4.521E+04	5.884E+04	-6.917E+03	1.740E-01	-3.096E+06	2.633E+06	-1.673E-03	-2.374E-03
135	3	90.50	1	4.508E+04	5.785E+04	9.205E+03	1.697E-01	2.575E+06	5.272E+06	-2.653E-03	2.817E-03
135	3	90.50	2	-4.521E+04	5.783E+04	-6.612E+03	1.740E-01	-2.789E+06	5.273E+06	-2.653E-03	-3.054E-03
135	4	135.75	1	4.508E+04	5.684E+04	8.900E+03	1.697E-01	2.165E+06	7.867E+06	-2.303E-03	1.998E-03
135	4	135.75	2	-4.520E+04	5.682E+04	-6.306E+03	1.740E-01	-2.497E+06	7.867E+06	-2.303E-03	-2.209E-03
135	5	181.00	1	4.508E+04	5.583E+04	8.594E+03	1.697E-01	1.769E+06	1.042E+07	-1.628E-10	4.507E-10
135	5	181.00	2	-4.520E+04	5.582E+04	-6.001E+03	1.740E-01	-2.219E+06	1.042E+07	-1.628E-10	-4.549E-10
136	1	0.00	1	-4.521E+04	5.984E+04	6.850E+03	-1.740E-01	3.397E+06	-5.178E+04	0.000E+00	0.000E+00
136	1	0.00	2	4.508E+04	5.986E+04	-9.443E+03	-1.697E-01	-3.417E+06	-5.409E+04	0.000E+00	0.000E+00
136	2	45.25	1	-4.521E+04	5.884E+04	6.850E+03	-1.740E-01	3.087E+06	2.633E+06	-1.673E-03	2.390E-03
136	2	45.25	2	4.508E+04	5.885E+04	-9.443E+03	-1.697E-01	-2.990E+06	2.632E+06	-1.673E-03	-2.244E-03
136	3	90.50	1	-4.521E+04	5.783E+04	6.850E+03	-1.740E-01	2.777E+06	5.273E+06	-2.653E-03	3.072E-03
136	3	90.50	2	4.508E+04	5.785E+04	-9.443E+03	-1.697E-01	-2.563E+06	5.272E+06	-2.653E-03	-2.835E-03
136	4	135.75	1	-4.520E+04	5.682E+04	6.850E+03	-1.740E-01	2.467E+06	7.867E+06	-2.303E-03	2.218E-03
136	4	135.75	2	4.508E+04	5.684E+04	-9.443E+03	-1.697E-01	-2.135E+06	7.867E+06	-2.303E-03	-2.008E-03
136	5	181.00	1	-4.520E+04	5.582E+04	6.850E+03	-1.740E-01	2.157E+06	1.042E+07	-1.628E-10	1.729E-10
136	5	181.00	2	4.508E+04	5.583E+04	-9.443E+03	-1.697E-01	-1.708E+06	1.042E+07	-1.628E-10	-1.687E-10
137	1	0.00	1	3.818E+04	4.489E+04	7.996E+03	2.676E-02	2.824E+06	1.042E+07	0.000E+00	0.000E+00
137	1	0.00	2	-3.827E+04	4.489E+04	-8.984E+03	2.984E-02	-3.269E+06	1.042E+07	0.000E+00	0.000E+00
137	2	127.25	1	3.819E+04	4.206E+04	7.137E+03	2.676E-02	1.861E+06	1.595E+07	-5.586E-02	8.443E-03
137	2	127.25	2	-3.827E+04	4.206E+04	-8.126E+03	2.984E-02	-2.181E+06	1.595E+07	-5.586E-02	-9.990E-03
137	3	254.50	1	3.819E+04	3.923E+04	6.278E+03	2.676E-02	1.008E+06	2.112E+07	-8.094E-02	8.849E-03
137	3	254.50	2	-3.827E+04	3.923E+04	-7.267E+03	2.984E-02	-1.202E+06	2.112E+07	-8.093E-02	-1.054E-02
137	4	381.75	1	3.819E+04	3.640E+04	5.419E+03	2.676E-02	2.635E+05	2.593E+07	-6.537E-02	4.949E-03
137	4	381.75	2	-3.826E+04	3.640E+04	-6.408E+03	2.984E-02	-3.315E+05	2.593E+07	-6.537E-02	-5.946E-03
137	5	509.00	1	3.819E+04	3.358E+04	4.560E+03	2.676E-02	-3.714E+05	3.039E+07	-1.285E-09	-2.074E-09
137	5	509.00	2	-3.826E+04	3.357E+04	-5.549E+03	2.984E-02	4.292E+05	3.038E+07	-1.285E-09	1.881E-09
138	1	0.00	1	-3.827E+04	4.489E+04	7.448E+03	-2.985E-02	3.207E+06	1.042E+07	0.000E+00	0.000E+00
138	1	0.00	2	3.818E+04	4.489E+04	-6.460E+03	-2.676E-02	-2.762E+06	1.042E+07	0.000E+00	0.000E+00
138	2	127.25	1	-3.827E+04	4.206E+04	7.448E+03	-2.985E-02	2.260E+06	1.595E+07	-5.586E-02	1.068E-02
138	2	127.25	2	3.819E+04	4.206E+04	-6.460E+03	-2.676E-02	-1.940E+06	1.595E+07	-5.586E-02	-9.133E-03
138	3	254.50	1	-3.827E+04	3.923E+04	7.448E+03	-2.985E-02	1.312E+06	2.112E+07	-8.093E-02	1.148E-02
138	3	254.50	2	3.819E+04	3.923E+04	-6.460E+03	-2.676E-02	-1.118E+06	2.112E+07	-8.094E-02	-9.780E-03
138	4	381.75	1	-3.826E+04	3.640E+04	7.448E+03	-2.985E-02	3.640E+05	2.593E+07	-6.537E-02	6.534E-03
138	4	381.75	2	3.819E+04	3.640E+04	-6.460E+03	-2.676E-02	-2.960E+05	2.593E+07	-6.537E-02	-5.537E-03
138	5	509.00	1	-3.826E+04	3.357E+04	7.448E+03	-2.985E-02	-5.838E+05	3.038E+07	-1.285E-09	2.405E-09
138	5	509.00	2	3.819E+04	3.358E+04	-6.460E+03	-2.676E-02	5.259E+05	3.039E+07	-1.285E-09	-2.212E-09
139	1	0.00	1	3.098E+04	1.931E+04	6.933E+03	1.263E-02	7.290E+05	3.039E+07	0.000E+00	0.000E+00
139	1	0.00	2	-3.101E+04	1.931E+04	-6.814E+03	1.562E-02	-6.719E+05	3.039E+07	0.000E+00	0.000E+00
139	2	127.50	1	3.098E+04	1.647E+04	6.072E+03	1.263E-02	-1.001E+05	3.267E+07	-9.781E-02	-3.852E-03
139	2	127.50	2	-3.101E+04	1.647E+04	-5.953E+03	1.562E-02	1.420E+05	3.267E+07	-9.780E-02	4.061E-03
139	3	255.00	1	3.098E+04	1.364E+04	5.211E+03	1.263E-02	-8.194E+05	3.459E+07	-1.327E-01	-7.161E-03
139	3	255.00	2	-3.101E+04	1.364E+04	-5.093E+03	1.562E-02	8.462E+05	3.459E+07	-1.327E-01	7.396E-03
139	4	382.50	1	3.098E+04	1.080E+04	4.351E+03	1.263E-02	-1.429E+06	3.614E+07	-1.011E-01	-6.769E-03
139	4	382.50	2	-3.101E+04	1.080E+04	-4.232E+03	1.562E-02	1.441E+06	3.614E+07	-1.011E-01	6.912E-03
139	5	510.00	1	3.099E+04	7.968E+03	3.490E+03	1.263E-02	-1.929E+06	3.734E+07	-1.517E-09	3.432E-10
139	5	510.00	2	-3.100E+04	7.965E+03	-3.371E+03	1.562E-02	1.925E+06	3.734E+07	-1.516E-09	-3.503E-10
140	1	0.00	1	-3.101E+04	1.931E+04	5.076E+03	-1.562E-02	5.175E+05	3.039E+07	0.000E+00	0.000E+00
140	1	0.00	2	3.098E+04	1.931E+04	-5.194E+03	-1.263E-02	-5.745E+05	3.039E+07	0.000E+00	0.000E+00
140	2	127.50	1	-3.101E+04	1.647E+04	5.076E+03	-1.562E-02	-1.297E+05	3.267E+07	-9.780E-02	-3.696E-03
140	2	127.50	2	3.098E+04	1.647E+04	-5.194E+03	-1.263E-02	8.776E+04	3.267E+07	-9.781E-02	3.486E-03
140	3	255.00	1	-3.101E+04	1.364E+04	5.076E+03	-1.562E-02	-7.768E+05	3.459E+07	-1.327E-01	-6.822E-03
140	3	255.00	2	3.098E+04	1.364E+04	-5.194E+03	-1.263E-02	7.500E+05	3.459E+07	-1.327E-01	6.587E-03

140	4	382.50	1	-3.101E+04	1.080E+04	5.076E+03	-1.562E-02	-1.424E+06	3.614E+07	-1.011E-01	-6.537E-03
140	4	382.50	2	3.098E+04	1.080E+04	-5.194E+03	-1.263E-02	1.412E+06	3.614E+07	-1.011E-01	6.394E-03
140	5	510.00	1	-3.100E+04	7.965E+03	5.076E+03	-1.562E-02	-2.071E+06	3.734E+07	-1.516E-09	-6.270E-11
140	5	510.00	2	3.099E+04	7.968E+03	-5.194E+03	-1.263E-02	2.075E+06	3.734E+07	-1.517E-09	6.980E-11
141	1	0.00	1	2.430E+04	-7.965E+03	5.132E+03	-1.556E-02	-9.084E+05	3.734E+07	0.000E+00	0.000E+00
141	1	0.00	2	-2.428E+04	-7.968E+03	-5.139E+03	-1.269E-02	9.048E+05	3.734E+07	0.000E+00	0.000E+00
141	2	127.50	1	2.430E+04	-1.080E+04	4.272E+03	-1.556E-02	-1.508E+06	3.614E+07	-1.011E-01	-1.212E-02
141	2	127.50	2	-2.428E+04	-1.080E+04	-4.279E+03	-1.269E-02	1.505E+06	3.614E+07	-1.011E-01	1.210E-02
141	3	255.00	1	2.430E+04	-1.364E+04	3.411E+03	-1.556E-02	-1.998E+06	3.459E+07	-1.327E-01	-1.751E-02
141	3	255.00	2	-2.428E+04	-1.364E+04	-3.418E+03	-1.269E-02	1.996E+06	3.458E+07	-1.327E-01	1.749E-02
141	4	382.50	1	2.431E+04	-1.647E+04	2.550E+03	-1.556E-02	-2.378E+06	3.267E+07	-9.781E-02	-1.403E-02
141	4	382.50	2	-2.427E+04	-1.647E+04	-2.558E+03	-1.269E-02	2.377E+06	3.267E+07	-9.780E-02	1.402E-02
141	5	510.00	1	2.431E+04	-1.931E+04	1.690E+03	-1.556E-02	-2.648E+06	3.039E+07	2.323E-09	4.218E-09
141	5	510.00	2	-2.427E+04	-1.931E+04	-1.697E+03	-1.269E-02	2.648E+06	3.038E+07	2.324E-09	-4.217E-09
142	1	0.00	1	-2.428E+04	-7.968E+03	3.434E+03	1.269E-02	-1.051E+06	3.734E+07	0.000E+00	0.000E+00
142	1	0.00	2	2.430E+04	-7.965E+03	-3.426E+03	1.556E-02	1.054E+06	3.734E+07	0.000E+00	0.000E+00
142	2	127.50	1	-2.428E+04	-1.080E+04	3.434E+03	1.269E-02	-1.488E+06	3.614E+07	-1.011E-01	-1.173E-02
142	2	127.50	2	2.430E+04	-1.080E+04	-3.426E+03	1.556E-02	1.491E+06	3.614E+07	-1.011E-01	1.174E-02
142	3	255.00	1	-2.428E+04	-1.364E+04	3.434E+03	1.269E-02	-1.926E+06	3.458E+07	-1.327E-01	-1.692E-02
142	3	255.00	2	2.430E+04	-1.364E+04	-3.426E+03	1.556E-02	1.928E+06	3.459E+07	-1.327E-01	1.693E-02
142	4	382.50	1	-2.427E+04	-1.647E+04	3.434E+03	1.269E-02	-2.364E+06	3.267E+07	-9.780E-02	-1.365E-02
142	4	382.50	2	2.431E+04	-1.647E+04	-3.426E+03	1.556E-02	2.365E+06	3.267E+07	-9.781E-02	1.366E-02
142	5	510.00	1	-2.427E+04	-1.931E+04	3.434E+03	1.269E-02	-2.802E+06	3.038E+07	2.324E-09	-3.944E-10
142	5	510.00	2	2.431E+04	-1.931E+04	-3.426E+03	1.556E-02	2.802E+06	3.039E+07	2.323E-09	3.933E-10
143	1	0.00	1	1.864E+04	-3.357E+04	3.505E+03	-2.971E-02	-1.782E+06	3.039E+07	0.000E+00	0.000E+00
143	1	0.00	2	-1.857E+04	-3.358E+04	-3.503E+03	-2.690E-02	1.782E+06	3.038E+07	0.000E+00	0.000E+00
143	2	127.25	1	1.864E+04	-3.640E+04	2.646E+03	-2.971E-02	-2.174E+06	2.593E+07	-6.537E-02	-1.553E-02
143	2	127.25	2	-1.857E+04	-3.640E+04	-2.645E+03	-2.690E-02	2.173E+06	2.593E+07	-6.537E-02	1.553E-02
143	3	254.50	1	1.864E+04	-3.923E+04	1.787E+03	-2.971E-02	-2.456E+06	2.112E+07	-8.094E-02	-2.145E-02
143	3	254.50	2	-1.856E+04	-3.923E+04	-1.786E+03	-2.690E-02	2.455E+06	2.112E+07	-8.093E-02	2.144E-02
143	4	381.75	1	1.864E+04	-4.206E+04	9.282E+02	-2.971E-02	-2.629E+06	1.595E+07	-5.586E-02	-1.652E-02
143	4	381.75	2	-1.856E+04	-4.206E+04	-9.267E+02	-2.690E-02	2.628E+06	1.595E+07	-5.586E-02	1.652E-02
143	5	509.00	1	1.865E+04	-4.489E+04	6.928E+01	-2.971E-02	-2.692E+06	1.042E+07	-1.374E-08	-1.602E-09
143	5	509.00	2	-1.856E+04	-4.489E+04	-6.774E+01	-2.690E-02	2.691E+06	1.041E+07	-1.374E-08	1.603E-09
144	1	0.00	1	-1.857E+04	-3.358E+04	1.618E+03	2.690E-02	-1.936E+06	3.038E+07	0.000E+00	0.000E+00
144	1	0.00	2	1.864E+04	-3.357E+04	-1.620E+03	2.971E-02	1.936E+06	3.039E+07	0.000E+00	0.000E+00
144	2	127.25	1	-1.857E+04	-3.640E+04	1.618E+03	2.690E-02	-2.142E+06	2.593E+07	-6.537E-02	-1.495E-02
144	2	127.25	2	1.864E+04	-3.640E+04	-1.620E+03	2.971E-02	2.142E+06	2.593E+07	-6.537E-02	1.496E-02
144	3	254.50	1	-1.856E+04	-3.923E+04	1.618E+03	2.690E-02	-2.348E+06	2.112E+07	-8.093E-02	-2.054E-02
144	3	254.50	2	1.864E+04	-3.923E+04	-1.620E+03	2.971E-02	2.348E+06	2.112E+07	-8.094E-02	2.054E-02
144	4	381.75	1	-1.856E+04	-4.206E+04	1.618E+03	2.690E-02	-2.554E+06	1.595E+07	-5.586E-02	-1.585E-02
144	4	381.75	2	1.864E+04	-4.206E+04	-1.620E+03	2.971E-02	2.554E+06	1.595E+07	-5.586E-02	1.586E-02
144	5	509.00	1	-1.856E+04	-4.489E+04	1.618E+03	2.690E-02	-2.760E+06	1.041E+07	-1.374E-08	3.135E-09
144	5	509.00	2	1.865E+04	-4.489E+04	-1.620E+03	2.971E-02	2.761E+06	1.042E+07	-1.374E-08	-3.136E-09
145	1	0.00	1	1.416E+04	-5.582E+04	1.284E+03	-1.728E-01	-2.007E+06	1.042E+07	0.000E+00	0.000E+00
145	1	0.00	2	-1.403E+04	-5.583E+04	-1.290E+03	-1.708E-01	2.005E+06	1.041E+07	0.000E+00	0.000E+00
145	2	45.25	1	1.416E+04	-5.683E+04	9.781E+02	-1.728E-01	-2.058E+06	7.868E+06	-2.304E-03	-1.752E-03
145	2	45.25	2	-1.403E+04	-5.683E+04	-9.848E+02	-1.708E-01	2.057E+06	7.866E+06	-2.303E-03	1.752E-03
145	3	90.50	1	1.416E+04	-5.784E+04	6.727E+02	-1.728E-01	-2.095E+06	5.273E+06	-2.653E-03	-2.349E-03
145	3	90.50	2	-1.403E+04	-5.784E+04	-6.794E+02	-1.708E-01	2.095E+06	5.272E+06	-2.652E-03	2.348E-03
145	4	135.75	1	1.416E+04	-5.884E+04	3.673E+02	-1.728E-01	-2.119E+06	2.634E+06	-1.673E-03	-1.769E-03
145	4	135.75	2	-1.403E+04	-5.885E+04	-3.739E+02	-1.708E-01	2.118E+06	2.632E+06	-1.673E-03	1.769E-03
145	5	181.00	1	1.416E+04	-5.985E+04	6.181E+01	-1.728E-01	-2.128E+06	-5.187E+04	-4.525E-10	3.090E-11
145	5	181.00	2	-1.403E+04	-5.985E+04	-6.849E+01	-1.708E-01	2.128E+06	-5.400E+04	-4.528E-10	-3.093E-11
146	1	0.00	1	-1.403E+04	-5.583E+04	4.039E+02	1.708E-01	-2.073E+06	1.041E+07	0.000E+00	0.000E+00
146	1	0.00	2	1.416E+04	-5.582E+04	-3.973E+02	1.728E-01	2.074E+06	1.042E+07	0.000E+00	0.000E+00
146	2	45.25	1	-1.403E+04	-5.683E+04	4.039E+02	1.708E-01	-2.092E+06	7.866E+06	-2.303E-03	-1.745E-03
146	2	45.25	2	1.416E+04	-5.683E+04	-3.973E+02	1.728E-01	2.092E+06	7.868E+06	-2.304E-03	1.746E-03
146	3	90.50	1	-1.403E+04	-5.784E+04	4.039E+02	1.708E-01	-2.110E+06	5.272E+06	-2.652E-03	-2.334E-03
146	3	90.50	2	1.416E+04	-5.784E+04	-3.973E+02	1.728E-01	2.110E+06	5.273E+06	-2.653E-03	2.334E-03
146	4	135.75	1	-1.403E+04	-5.885E+04	4.039E+02	1.708E-01	-2.128E+06	2.632E+06	-1.673E-03	-1.755E-03
146	4	135.75	2	1.416E+04	-5.884E+04	-3.973E+02	1.728E-01	2.128E+06	2.634E+06	-1.673E-03	1.756E-03

146	5	181.00	1	-1.403E+04	-5.985E+04	4.039E+02	1.708E-01	-2.146E+06	-5.400E+04	-4.528E-10	-3.592E-10
146	5	181.00	2	1.416E+04	-5.985E+04	-3.973E+02	1.728E-01	2.146E+06	-5.187E+04	-4.525E-10	3.593E-10
147	1	0.00	1	-7.031E-10	1.534E+03	4.658E+02	-2.715E-16	1.607E+04	-5.293E+04	0.000E+00	0.000E+00
147	1	0.00	2	6.938E-10	1.534E+03	-4.658E+02	1.061E-15	-1.607E+04	-5.293E+04	0.000E+00	0.000E+00
147	2	17.25	1	-7.031E-10	1.151E+03	3.493E+02	-2.715E-16	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
147	2	17.25	2	6.938E-10	1.151E+03	-3.493E+02	1.061E-15	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06
147	3	34.50	1	-7.031E-10	7.671E+02	2.329E+02	-2.715E-16	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
147	3	34.50	2	6.938E-10	7.671E+02	-2.329E+02	1.061E-15	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
147	4	51.75	1	-7.031E-10	3.836E+02	1.164E+02	-2.715E-16	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
147	4	51.75	2	6.938E-10	3.836E+02	-1.164E+02	1.061E-15	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06
147	5	69.00	1	-7.031E-10	-1.327E-10	4.967E-09	-2.715E-16	-1.817E-07	3.100E-08	4.930E-13	2.063E-13
147	5	69.00	2	6.938E-10	2.334E-09	-4.965E-09	1.061E-15	1.816E-07	5.032E-08	4.930E-13	-2.063E-13
148	1	0.00	1	-9.823E-12	1.534E+03	-6.458E-09	1.202E-15	-4.426E-05	-5.293E+04	0.000E+00	0.000E+00
148	1	0.00	2	-9.823E-12	1.534E+03	6.459E-09	-1.463E-15	4.438E-05	-5.293E+04	0.000E+00	0.000E+00
148	2	17.25	1	-9.823E-12	1.151E+03	-6.458E-09	1.202E-15	-4.415E-05	-2.977E+04	-1.210E-05	-5.314E-15
148	2	17.25	2	-9.823E-12	1.151E+03	6.459E-09	-1.463E-15	4.427E-05	-2.977E+04	-1.210E-05	5.328E-15
148	3	34.50	1	-9.823E-12	7.671E+02	-6.458E-09	1.202E-15	-4.403E-05	-1.323E+04	-1.648E-05	-7.079E-15
148	3	34.50	2	-9.823E-12	7.671E+02	6.459E-09	-1.463E-15	4.416E-05	-1.323E+04	-1.648E-05	7.099E-15
148	4	51.75	1	-9.823E-12	3.836E+02	-6.458E-09	1.202E-15	-4.392E-05	-3.308E+03	-1.256E-05	-5.305E-15
148	4	51.75	2	-9.823E-12	3.836E+02	6.459E-09	-1.463E-15	4.405E-05	-3.308E+03	-1.256E-05	5.319E-15
148	5	69.00	1	-9.823E-12	3.642E-10	-6.458E-09	1.202E-15	-4.381E-05	-9.909E-08	4.930E-13	-1.213E-21
148	5	69.00	2	-9.823E-12	4.079E-10	6.459E-09	-1.463E-15	4.394E-05	-1.128E-07	4.930E-13	1.211E-21
149	1	0.00	1	-3.544E-10	-4.508E-10	-7.948E-09	0.000E+00	-6.819E-07	1.148E-07	0.000E+00	0.000E+00
149	1	0.00	2	3.441E-10	-1.016E-10	7.943E-09	0.000E+00	6.816E-07	8.682E-08	0.000E+00	0.000E+00
149	2	17.25	1	-3.544E-10	-3.836E+02	-1.164E+02	0.000E+00	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
149	2	17.25	2	3.441E-10	-3.836E+02	1.164E+02	0.000E+00	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06
149	3	34.50	1	-3.544E-10	-7.671E+02	-2.329E+02	0.000E+00	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
149	3	34.50	2	3.441E-10	-7.671E+02	2.329E+02	0.000E+00	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
149	4	51.75	1	-3.544E-10	-1.151E+03	-3.493E+02	0.000E+00	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
149	4	51.75	2	3.441E-10	-1.151E+03	3.493E+02	0.000E+00	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06
149	5	69.00	1	-3.544E-10	-1.534E+03	-4.658E+02	0.000E+00	1.607E+04	-5.293E+04	9.741E-15	4.799E-15
149	5	69.00	2	3.441E-10	-1.534E+03	4.658E+02	0.000E+00	-1.607E+04	-5.293E+04	9.741E-15	-4.799E-15
150	1	0.00	1	3.464E-10	3.266E-11	9.429E-09	0.000E+00	-2.571E-07	1.059E-07	0.000E+00	0.000E+00
150	1	0.00	2	-3.521E-10	1.083E-11	-9.430E-09	0.000E+00	2.570E-07	1.003E-07	0.000E+00	0.000E+00
150	2	17.25	1	3.464E-10	-3.836E+02	9.429E-09	0.000E+00	-4.198E-07	-3.308E+03	-1.256E-05	-6.368E-17
150	2	17.25	2	-3.521E-10	-3.836E+02	-9.430E-09	0.000E+00	4.196E-07	-3.308E+03	-1.256E-05	6.368E-17
150	3	34.50	1	3.464E-10	-7.671E+02	9.429E-09	0.000E+00	-5.824E-07	-1.323E+04	-1.648E-05	-9.362E-17
150	3	34.50	2	-3.521E-10	-7.671E+02	-9.430E-09	0.000E+00	5.823E-07	-1.323E+04	-1.648E-05	9.362E-17
150	4	51.75	1	3.464E-10	-1.151E+03	9.429E-09	0.000E+00	-7.451E-07	-2.977E+04	-1.210E-05	-7.675E-17
150	4	51.75	2	-3.521E-10	-1.151E+03	-9.430E-09	0.000E+00	7.450E-07	-2.977E+04	-1.210E-05	7.675E-17
150	5	69.00	1	3.464E-10	-1.534E+03	9.429E-09	0.000E+00	-9.077E-07	-5.293E+04	9.745E-15	7.731E-24
150	5	69.00	2	-3.521E-10	-1.534E+03	-9.430E-09	0.000E+00	9.076E-07	-5.293E+04	9.745E-15	-7.731E-24
151	1	0.00	1	1.403E+04	5.985E+04	-6.881E+01	1.730E-01	-2.128E+06	-5.235E+04	0.000E+00	0.000E+00
151	1	0.00	2	-1.416E+04	5.985E+04	6.149E+01	1.706E-01	2.128E+06	-5.351E+04	0.000E+00	0.000E+00
151	2	45.25	1	1.403E+04	5.884E+04	-3.743E+02	1.730E-01	-2.118E+06	2.633E+06	-1.673E-03	-1.769E-03
151	2	45.25	2	-1.416E+04	5.885E+04	3.669E+02	1.706E-01	2.119E+06	2.632E+06	-1.673E-03	1.769E-03
151	3	90.50	1	1.403E+04	5.784E+04	-6.797E+02	1.730E-01	-2.095E+06	5.273E+06	-2.653E-03	-2.348E-03
151	3	90.50	2	-1.416E+04	5.784E+04	6.724E+02	1.706E-01	2.095E+06	5.272E+06	-2.652E-03	2.349E-03
151	4	135.75	1	1.403E+04	5.683E+04	-9.851E+02	1.730E-01	-2.057E+06	7.867E+06	-2.303E-03	-1.752E-03
151	4	135.75	2	-1.416E+04	5.683E+04	9.778E+02	1.706E-01	2.058E+06	7.866E+06	-2.303E-03	1.752E-03
151	5	181.00	1	1.403E+04	5.582E+04	-1.291E+03	1.730E-01	-2.005E+06	1.042E+07	-5.449E-11	2.189E-10
151	5	181.00	2	-1.416E+04	5.583E+04	1.283E+03	1.706E-01	2.007E+06	1.042E+07	-5.454E-11	-2.189E-10
152	1	0.00	1	-1.416E+04	5.985E+04	-3.969E+02	-1.706E-01	-2.146E+06	-5.351E+04	0.000E+00	0.000E+00
152	1	0.00	2	1.403E+04	5.985E+04	4.043E+02	-1.730E-01	2.146E+06	-5.235E+04	0.000E+00	0.000E+00
152	2	45.25	1	-1.416E+04	5.885E+04	-3.969E+02	-1.706E-01	-2.128E+06	2.632E+06	-1.673E-03	-1.756E-03
152	2	45.25	2	1.403E+04	5.884E+04	4.043E+02	-1.730E-01	2.128E+06	2.633E+06	-1.673E-03	1.755E-03
152	3	90.50	1	-1.416E+04	5.784E+04	-3.969E+02	-1.706E-01	-2.110E+06	5.272E+06	-2.652E-03	-2.334E-03
152	3	90.50	2	1.403E+04	5.784E+04	4.043E+02	-1.730E-01	2.110E+06	5.273E+06	-2.653E-03	2.334E-03
152	4	135.75	1	-1.416E+04	5.683E+04	-3.969E+02	-1.706E-01	-2.092E+06	7.866E+06	-2.303E-03	-1.746E-03
152	4	135.75	2	1.403E+04	5.683E+04	4.043E+02	-1.730E-01	2.092E+06	7.867E+06	-2.303E-03	1.745E-03
152	5	181.00	1	-1.416E+04	5.583E+04	-3.969E+02	-1.706E-01	-2.074E+06	1.042E+07	-5.454E-11	-1.441E-10
152	5	181.00	2	1.403E+04	5.582E+04	4.043E+02	-1.730E-01	2.073E+06	1.042E+07	-5.449E-11	1.441E-10

153	1	0.00	1	1.856E+04	4.489E+04	-6.738E+01	2.915E-02	-2.691E+06	1.042E+07	0.000E+00	0.000E+00
153	1	0.00	2	-1.865E+04	4.489E+04	6.964E+01	2.746E-02	2.692E+06	1.042E+07	0.000E+00	0.000E+00
153	2	127.25	1	1.856E+04	4.206E+04	-9.263E+02	2.915E-02	-2.628E+06	1.595E+07	-5.586E-02	-1.652E-02
153	2	127.25	2	-1.864E+04	4.206E+04	9.286E+02	2.746E-02	2.629E+06	1.595E+07	-5.586E-02	1.652E-02
153	3	254.50	1	1.856E+04	3.923E+04	-1.785E+03	2.915E-02	-2.455E+06	2.112E+07	-8.093E-02	-2.144E-02
153	3	254.50	2	-1.864E+04	3.923E+04	1.788E+03	2.746E-02	2.456E+06	2.112E+07	-8.093E-02	2.145E-02
153	4	381.75	1	1.857E+04	3.640E+04	-2.644E+03	2.915E-02	-2.173E+06	2.593E+07	-6.537E-02	-1.553E-02
153	4	381.75	2	-1.864E+04	3.640E+04	2.646E+03	2.746E-02	2.174E+06	2.593E+07	-6.537E-02	1.553E-02
153	5	509.00	1	1.857E+04	3.357E+04	-3.503E+03	2.915E-02	-1.782E+06	3.039E+07	-6.471E-10	1.472E-09
153	5	509.00	2	-1.864E+04	3.358E+04	3.505E+03	2.746E-02	1.782E+06	3.039E+07	-6.472E-10	-1.473E-09
154	1	0.00	1	-1.865E+04	4.489E+04	-1.620E+03	-2.746E-02	-2.761E+06	1.042E+07	0.000E+00	0.000E+00
154	1	0.00	2	1.856E+04	4.489E+04	1.618E+03	-2.914E-02	2.760E+06	1.042E+07	0.000E+00	0.000E+00
154	2	127.25	1	-1.864E+04	4.206E+04	-1.620E+03	-2.746E-02	-2.554E+06	1.595E+07	-5.586E-02	-1.586E-02
154	2	127.25	2	1.856E+04	4.206E+04	1.618E+03	-2.914E-02	2.554E+06	1.595E+07	-5.586E-02	1.585E-02
154	3	254.50	1	-1.864E+04	3.923E+04	-1.620E+03	-2.746E-02	-2.348E+06	2.112E+07	-8.093E-02	-2.054E-02
154	3	254.50	2	1.856E+04	3.923E+04	1.618E+03	-2.914E-02	2.348E+06	2.112E+07	-8.093E-02	2.054E-02
154	4	381.75	1	-1.864E+04	3.640E+04	-1.620E+03	-2.746E-02	-2.142E+06	2.593E+07	-6.537E-02	-1.496E-02
154	4	381.75	2	1.857E+04	3.640E+04	1.618E+03	-2.914E-02	2.142E+06	2.593E+07	-6.537E-02	1.495E-02
154	5	509.00	1	-1.864E+04	3.358E+04	-1.620E+03	-2.746E-02	-1.936E+06	3.039E+07	-6.472E-10	-1.228E-09
154	5	509.00	2	1.857E+04	3.357E+04	1.618E+03	-2.914E-02	1.936E+06	3.039E+07	-6.471E-10	1.229E-09
155	1	0.00	1	2.427E+04	1.931E+04	-1.690E+03	1.497E-02	-2.648E+06	3.039E+07	0.000E+00	0.000E+00
155	1	0.00	2	-2.431E+04	1.931E+04	1.696E+03	1.328E-02	2.648E+06	3.039E+07	0.000E+00	0.000E+00
155	2	127.50	1	2.427E+04	1.647E+04	-2.551E+03	1.497E-02	-2.378E+06	3.267E+07	-9.780E-02	-1.403E-02
155	2	127.50	2	-2.431E+04	1.647E+04	2.557E+03	1.328E-02	2.377E+06	3.267E+07	-9.781E-02	1.402E-02
155	3	255.00	1	2.428E+04	1.364E+04	-3.412E+03	1.497E-02	-1.998E+06	3.459E+07	-1.327E-01	-1.751E-02
155	3	255.00	2	-2.430E+04	1.364E+04	3.418E+03	1.328E-02	1.996E+06	3.459E+07	-1.327E-01	1.749E-02
155	4	382.50	1	2.428E+04	1.080E+04	-4.272E+03	1.497E-02	-1.508E+06	3.614E+07	-1.011E-01	-1.212E-02
155	4	382.50	2	-2.430E+04	1.080E+04	4.278E+03	1.328E-02	1.505E+06	3.614E+07	-1.011E-01	1.210E-02
155	5	510.00	1	2.428E+04	7.965E+03	-5.133E+03	1.497E-02	-9.083E+05	3.734E+07	-1.746E-09	3.109E-09
155	5	510.00	2	-2.430E+04	7.968E+03	5.139E+03	1.328E-02	9.049E+05	3.734E+07	-1.746E-09	-3.110E-09
156	1	0.00	1	-2.431E+04	1.931E+04	-3.433E+03	-1.328E-02	-2.801E+06	3.039E+07	0.000E+00	0.000E+00
156	1	0.00	2	2.427E+04	1.931E+04	3.427E+03	-1.497E-02	2.802E+06	3.039E+07	0.000E+00	0.000E+00
156	2	127.50	1	-2.431E+04	1.647E+04	-3.433E+03	-1.328E-02	-2.364E+06	3.267E+07	-9.781E-02	-1.365E-02
156	2	127.50	2	2.427E+04	1.647E+04	3.427E+03	-1.497E-02	2.365E+06	3.267E+07	-9.780E-02	1.366E-02
156	3	255.00	1	-2.430E+04	1.364E+04	-3.433E+03	-1.328E-02	-1.926E+06	3.459E+07	-1.327E-01	-1.692E-02
156	3	255.00	2	2.428E+04	1.364E+04	3.427E+03	-1.497E-02	1.928E+06	3.459E+07	-1.327E-01	1.693E-02
156	4	382.50	1	-2.430E+04	1.080E+04	-3.433E+03	-1.328E-02	-1.488E+06	3.614E+07	-1.011E-01	-1.173E-02
156	4	382.50	2	2.428E+04	1.080E+04	3.427E+03	-1.497E-02	1.491E+06	3.614E+07	-1.011E-01	1.174E-02
156	5	510.00	1	-2.430E+04	7.968E+03	-3.433E+03	-1.328E-02	-1.051E+06	3.734E+07	-1.746E-09	3.179E-09
156	5	510.00	2	2.428E+04	7.965E+03	3.427E+03	-1.497E-02	1.054E+06	3.734E+07	-1.746E-09	-3.178E-09
157	1	0.00	1	3.100E+04	-7.968E+03	-3.489E+03	-1.334E-02	-1.929E+06	3.734E+07	0.000E+00	0.000E+00
157	1	0.00	2	-3.099E+04	-7.965E+03	3.372E+03	-1.491E-02	1.925E+06	3.734E+07	0.000E+00	0.000E+00
157	2	127.50	1	3.101E+04	-1.080E+04	-4.350E+03	-1.334E-02	-1.429E+06	3.614E+07	-1.011E-01	-6.771E-03
157	2	127.50	2	-3.098E+04	-1.080E+04	4.233E+03	-1.491E-02	1.440E+06	3.614E+07	-1.011E-01	6.911E-03
157	3	255.00	1	3.101E+04	-1.364E+04	-5.211E+03	-1.334E-02	-8.196E+05	3.458E+07	-1.327E-01	-7.163E-03
157	3	255.00	2	-3.098E+04	-1.364E+04	5.093E+03	-1.491E-02	8.460E+05	3.459E+07	-1.327E-01	7.394E-03
157	4	382.50	1	3.101E+04	-1.647E+04	-6.071E+03	-1.334E-02	-1.004E+05	3.267E+07	-9.780E-02	-3.853E-03
157	4	382.50	2	-3.098E+04	-1.647E+04	5.954E+03	-1.491E-02	1.417E+05	3.267E+07	-9.781E-02	4.060E-03
157	5	510.00	1	3.101E+04	-1.931E+04	-6.932E+03	-1.334E-02	7.286E+05	3.038E+07	2.433E-09	1.771E-09
157	5	510.00	2	-3.098E+04	-1.931E+04	6.815E+03	-1.491E-02	-6.723E+05	3.039E+07	2.433E-09	-1.769E-09
158	1	0.00	1	-3.099E+04	-7.965E+03	-5.076E+03	1.491E-02	-2.071E+06	3.734E+07	0.000E+00	0.000E+00
158	1	0.00	2	3.100E+04	-7.968E+03	5.194E+03	1.334E-02	2.075E+06	3.734E+07	0.000E+00	0.000E+00
158	2	127.50	1	-3.098E+04	-1.080E+04	-5.076E+03	1.491E-02	-1.424E+06	3.614E+07	-1.011E-01	-6.536E-03
158	2	127.50	2	3.101E+04	-1.080E+04	5.194E+03	1.334E-02	1.412E+06	3.614E+07	-1.011E-01	6.396E-03
158	3	255.00	1	-3.098E+04	-1.364E+04	-5.076E+03	1.491E-02	-7.766E+05	3.459E+07	-1.327E-01	-6.820E-03
158	3	255.00	2	3.101E+04	-1.364E+04	5.194E+03	1.334E-02	7.503E+05	3.458E+07	-1.327E-01	6.589E-03
158	4	382.50	1	-3.098E+04	-1.647E+04	-5.076E+03	1.491E-02	-1.294E+05	3.267E+07	-9.781E-02	-3.694E-03
158	4	382.50	2	3.101E+04	-1.647E+04	5.194E+03	1.334E-02	8.807E+04	3.267E+07	-9.780E-02	3.488E-03
158	5	510.00	1	-3.098E+04	-1.931E+04	-5.076E+03	1.491E-02	5.178E+05	3.039E+07	2.433E-09	-8.112E-10
158	5	510.00	2	3.101E+04	-1.931E+04	5.194E+03	1.334E-02	-5.741E+05	3.038E+07	2.433E-09	8.098E-10
159	1	0.00	1	3.826E+04	-3.358E+04	-4.568E+03	-2.760E-02	-3.720E+05	3.038E+07	0.000E+00	0.000E+00
159	1	0.00	2	-3.819E+04	-3.357E+04	5.540E+03	-2.901E-02	4.287E+05	3.039E+07	0.000E+00	0.000E+00

159	2	127.25	1	3.826E+04	-3.640E+04	-5.427E+03	-2.760E-02	2.640E+05	2.593E+07	-6.536E-02	4.957E-03
159	2	127.25	2	-3.819E+04	-3.640E+04	6.399E+03	-2.901E-02	-3.310E+05	2.593E+07	-6.537E-02	-5.938E-03
159	3	254.50	1	3.827E+04	-3.923E+04	-6.286E+03	-2.760E-02	1.009E+06	2.112E+07	-8.093E-02	8.862E-03
159	3	254.50	2	-3.819E+04	-3.923E+04	7.258E+03	-2.901E-02	-1.200E+06	2.112E+07	-8.094E-02	-1.053E-02
159	4	381.75	1	3.827E+04	-4.206E+04	-7.145E+03	-2.760E-02	1.864E+06	1.595E+07	-5.586E-02	8.456E-03
159	4	381.75	2	-3.819E+04	-4.206E+04	8.117E+03	-2.901E-02	-2.178E+06	1.595E+07	-5.587E-02	-9.978E-03
159	5	509.00	1	3.827E+04	-4.489E+04	-8.004E+03	-2.760E-02	2.828E+06	1.041E+07	-1.330E-08	9.168E-11
159	5	509.00	2	-3.818E+04	-4.489E+04	8.976E+03	-2.901E-02	-3.266E+06	1.042E+07	-1.329E-08	-1.025E-10
160	1	0.00	1	-3.819E+04	-3.357E+04	-7.440E+03	2.901E-02	-5.832E+05	3.039E+07	0.000E+00	0.000E+00
160	1	0.00	2	3.826E+04	-3.358E+04	6.468E+03	2.760E-02	5.265E+05	3.038E+07	0.000E+00	0.000E+00
160	2	127.25	1	-3.819E+04	-3.640E+04	-7.440E+03	2.901E-02	3.635E+05	2.593E+07	-6.537E-02	6.526E-03
160	2	127.25	2	3.826E+04	-3.640E+04	6.468E+03	2.760E-02	-2.965E+05	2.593E+07	-6.536E-02	-5.545E-03
160	3	254.50	1	-3.819E+04	-3.923E+04	-7.440E+03	2.901E-02	1.310E+06	2.112E+07	-8.094E-02	1.146E-02
160	3	254.50	2	3.827E+04	-3.923E+04	6.468E+03	2.760E-02	-1.120E+06	2.112E+07	-8.093E-02	-9.793E-03
160	4	381.75	1	-3.819E+04	-4.206E+04	-7.440E+03	2.901E-02	2.257E+06	1.595E+07	-5.587E-02	1.067E-02
160	4	381.75	2	3.827E+04	-4.206E+04	6.468E+03	2.760E-02	-1.943E+06	1.595E+07	-5.586E-02	-9.145E-03
160	5	509.00	1	-3.818E+04	-4.489E+04	-7.440E+03	2.901E-02	3.204E+06	1.042E+07	-1.329E-08	3.452E-10
160	5	509.00	2	3.827E+04	-4.489E+04	6.468E+03	2.760E-02	-2.766E+06	1.041E+07	-1.330E-08	-3.344E-10
161	1	0.00	1	4.520E+04	-5.582E+04	-8.574E+03	-1.717E-01	1.773E+06	1.041E+07	0.000E+00	0.000E+00
161	1	0.00	2	-4.508E+04	-5.583E+04	6.021E+03	-1.719E-01	-2.215E+06	1.042E+07	0.000E+00	0.000E+00
161	2	45.25	1	4.520E+04	-5.683E+04	-8.880E+03	-1.717E-01	2.168E+06	7.866E+06	-2.303E-03	2.000E-03
161	2	45.25	2	-4.508E+04	-5.684E+04	6.326E+03	-1.719E-01	-2.495E+06	7.868E+06	-2.304E-03	-2.207E-03
161	3	90.50	1	4.521E+04	-5.783E+04	-9.185E+03	-1.717E-01	2.577E+06	5.271E+06	-2.652E-03	2.819E-03
161	3	90.50	2	-4.508E+04	-5.784E+04	6.632E+03	-1.719E-01	-2.788E+06	5.273E+06	-2.653E-03	-3.052E-03
161	4	135.75	1	4.521E+04	-5.884E+04	-9.491E+03	-1.717E-01	2.999E+06	2.632E+06	-1.673E-03	2.230E-03
161	4	135.75	2	-4.508E+04	-5.885E+04	6.937E+03	-1.719E-01	-3.095E+06	2.633E+06	-1.673E-03	-2.373E-03
161	5	181.00	1	4.521E+04	-5.984E+04	-9.796E+03	-1.717E-01	3.435E+06	-5.343E+04	-8.975E-10	4.817E-10
161	5	181.00	2	-4.508E+04	-5.986E+04	7.243E+03	-1.719E-01	-3.415E+06	-5.244E+04	-8.975E-10	-4.240E-10
162	1	0.00	1	-4.508E+04	-5.583E+04	-6.870E+03	1.719E-01	2.154E+06	1.042E+07	0.000E+00	0.000E+00
162	1	0.00	2	4.520E+04	-5.582E+04	9.423E+03	1.717E-01	-1.712E+06	1.041E+07	0.000E+00	0.000E+00
162	2	45.25	1	-4.508E+04	-5.684E+04	-6.870E+03	1.719E-01	2.465E+06	7.868E+06	-2.304E-03	2.217E-03
162	2	45.25	2	4.520E+04	-5.683E+04	9.423E+03	1.717E-01	-2.138E+06	7.866E+06	-2.303E-03	-2.010E-03
162	3	90.50	1	-4.508E+04	-5.784E+04	-6.870E+03	1.719E-01	2.776E+06	5.273E+06	-2.653E-03	3.070E-03
162	3	90.50	2	4.521E+04	-5.783E+04	9.423E+03	1.717E-01	-2.564E+06	5.271E+06	-2.652E-03	-2.837E-03
162	4	135.75	1	-4.508E+04	-5.885E+04	-6.870E+03	1.719E-01	3.086E+06	2.633E+06	-1.673E-03	2.389E-03
162	4	135.75	2	4.521E+04	-5.884E+04	9.423E+03	1.717E-01	-2.991E+06	2.632E+06	-1.673E-03	-2.245E-03
162	5	181.00	1	-4.508E+04	-5.986E+04	-6.870E+03	1.719E-01	3.397E+06	-5.244E+04	-8.975E-10	3.360E-10
162	5	181.00	2	4.521E+04	-5.984E+04	9.423E+03	1.717E-01	-3.417E+06	-5.343E+04	-8.975E-10	-3.937E-10
163	1	0.00	1	-2.224E+00	1.534E+03	4.658E+02	1.112E-10	1.607E+04	-5.293E+04	0.000E+00	0.000E+00
163	1	0.00	2	-2.224E+00	1.534E+03	-4.658E+02	-1.204E-10	-1.607E+04	-5.293E+04	0.000E+00	0.000E+00
163	2	17.25	1	-1.668E+00	1.151E+03	3.493E+02	1.112E-10	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
163	2	17.25	2	-1.668E+00	1.151E+03	-3.493E+02	-1.204E-10	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06
163	3	34.50	1	-1.112E+00	7.671E+02	2.329E+02	1.112E-10	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
163	3	34.50	2	-1.112E+00	7.671E+02	-2.329E+02	-1.204E-10	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
163	4	51.75	1	-5.559E-01	3.836E+02	1.164E+02	1.112E-10	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
163	4	51.75	2	-5.559E-01	3.836E+02	-1.164E+02	-1.204E-10	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06
163	5	69.00	1	-1.038E-09	1.196E-09	1.732E-09	1.112E-10	-1.385E-07	-1.097E-07	2.092E-13	-3.648E-13
163	5	69.00	2	1.123E-09	-2.864E-09	-1.384E-09	-1.204E-10	1.301E-07	-1.328E-07	2.092E-13	3.648E-13
164	1	0.00	1	-2.224E+00	1.534E+03	-2.613E-09	4.032E-10	-6.443E-08	-5.293E+04	0.000E+00	0.000E+00
164	1	0.00	2	-2.224E+00	1.534E+03	2.626E-09	-4.222E-10	6.968E-08	-5.293E+04	0.000E+00	0.000E+00
164	2	17.25	1	-1.668E+00	1.151E+03	-2.613E-09	4.032E-10	-1.936E-08	-2.977E+04	-1.210E-05	1.233E-18
164	2	17.25	2	-1.668E+00	1.151E+03	2.626E-09	-4.222E-10	2.439E-08	-2.977E+04	-1.210E-05	-7.570E-19
164	3	34.50	1	-1.112E+00	7.671E+02	-2.613E-09	4.032E-10	2.572E-08	-1.323E+04	-1.648E-05	4.052E-18
164	3	34.50	2	-1.112E+00	7.671E+02	2.626E-09	-4.222E-10	-2.091E-08	-1.323E+04	-1.648E-05	-3.443E-18
164	4	51.75	1	-5.559E-01	3.836E+02	-2.613E-09	4.032E-10	7.079E-08	-3.308E+03	-1.256E-05	4.846E-18
164	4	51.75	2	-5.559E-01	3.836E+02	2.626E-09	-4.222E-10	-6.620E-08	-3.308E+03	-1.256E-05	-4.407E-18
164	5	69.00	1	-3.221E-10	9.460E-10	-2.613E-09	4.032E-10	1.159E-07	-2.213E-08	2.092E-13	-2.430E-25
164	5	69.00	2	1.035E-10	2.146E-09	2.626E-09	-4.222E-10	-1.115E-07	4.394E-08	2.092E-13	8.401E-26
165	1	0.00	1	1.675E-10	2.847E-11	-1.465E-09	2.363E-13	2.771E-08	3.749E-08	0.000E+00	0.000E+00
165	1	0.00	2	-1.599E-10	-1.518E-11	1.476E-09	-2.374E-13	-2.772E-08	4.307E-08	0.000E+00	0.000E+00
165	2	17.25	1	5.559E-01	-3.836E+02	-1.164E+02	2.363E-13	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
165	2	17.25	2	5.559E-01	-3.836E+02	1.164E+02	-2.374E-13	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06

165	3	34.50	1	1.112E+00	-7.671E+02	-2.329E+02	2.363E-13	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
165	3	34.50	2	1.112E+00	-7.671E+02	2.329E+02	-2.374E-13	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
165	4	51.75	1	1.668E+00	-1.151E+03	-3.493E+02	2.363E-13	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
165	4	51.75	2	1.668E+00	-1.151E+03	3.493E+02	-2.374E-13	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06
165	5	69.00	1	2.224E+00	-1.534E+03	-4.658E+02	2.363E-13	1.607E+04	-5.293E+04	-1.808E-14	-3.347E-15
165	5	69.00	2	2.224E+00	-1.534E+03	4.658E+02	-2.374E-13	-1.607E+04	-5.293E+04	-1.808E-14	3.347E-15
166	1	0.00	1	4.122E-10	1.149E-09	8.696E-10	-4.335E-14	5.601E-08	9.597E-08	0.000E+00	0.000E+00
166	1	0.00	2	-4.118E-10	-1.209E-09	-8.766E-10	4.233E-14	-5.575E-08	1.071E-07	0.000E+00	0.000E+00
166	2	17.25	1	5.559E-01	-3.836E+02	8.696E-10	-4.335E-14	4.101E-08	-3.308E+03	-1.256E-05	3.711E-18
166	2	17.25	2	5.559E-01	-3.836E+02	-8.766E-10	4.233E-14	-4.062E-08	-3.308E+03	-1.256E-05	-3.711E-18
166	3	34.50	1	1.112E+00	-7.671E+02	8.696E-10	-4.335E-14	2.601E-08	-1.323E+04	-1.648E-05	4.140E-18
166	3	34.50	2	1.112E+00	-7.671E+02	-8.766E-10	4.233E-14	-2.550E-08	-1.323E+04	-1.648E-05	-4.140E-18
166	4	51.75	1	1.668E+00	-1.151E+03	8.696E-10	-4.335E-14	1.101E-08	-2.977E+04	-1.210E-05	2.500E-18
166	4	51.75	2	1.668E+00	-1.151E+03	-8.766E-10	4.233E-14	-1.038E-08	-2.977E+04	-1.210E-05	-2.500E-18
166	5	69.00	1	2.224E+00	-1.534E+03	8.696E-10	-4.335E-14	-3.991E-09	-5.293E+04	-1.809E-14	2.388E-25
166	5	69.00	2	2.224E+00	-1.534E+03	-8.766E-10	4.233E-14	4.741E-09	-5.293E+04	-1.809E-14	-2.388E-25
167	1	0.00	1	4.508E+04	5.986E+04	9.816E+03	1.696E-01	3.436E+06	-5.417E+04	0.000E+00	0.000E+00
167	1	0.00	2	-4.521E+04	5.984E+04	-7.223E+03	1.741E-01	-3.415E+06	-5.169E+04	0.000E+00	0.000E+00
167	2	45.25	1	4.508E+04	5.885E+04	9.510E+03	1.696E-01	2.998E+06	2.632E+06	-1.673E-03	2.229E-03
167	2	45.25	2	-4.521E+04	5.884E+04	-6.917E+03	1.741E-01	-3.096E+06	2.633E+06	-1.673E-03	-2.374E-03
167	3	90.50	1	4.508E+04	5.785E+04	9.205E+03	1.696E-01	2.575E+06	5.272E+06	-2.652E-03	2.817E-03
167	3	90.50	2	-4.521E+04	5.783E+04	-6.612E+03	1.741E-01	-2.789E+06	5.273E+06	-2.653E-03	-3.054E-03
167	4	135.75	1	4.508E+04	5.684E+04	8.900E+03	1.696E-01	2.165E+06	7.867E+06	-2.303E-03	1.998E-03
167	4	135.75	2	-4.520E+04	5.682E+04	-6.306E+03	1.741E-01	-2.497E+06	7.867E+06	-2.303E-03	-2.209E-03
167	5	181.00	1	4.508E+04	5.583E+04	8.594E+03	1.696E-01	1.769E+06	1.042E+07	-1.627E-10	4.482E-10
167	5	181.00	2	-4.520E+04	5.582E+04	-6.001E+03	1.741E-01	-2.219E+06	1.042E+07	-1.629E-10	-4.524E-10
168	1	0.00	1	-4.521E+04	5.984E+04	6.850E+03	-1.741E-01	3.397E+06	-5.169E+04	0.000E+00	0.000E+00
168	1	0.00	2	4.508E+04	5.986E+04	-9.443E+03	-1.696E-01	-3.417E+06	-5.417E+04	0.000E+00	0.000E+00
168	2	45.25	1	-4.521E+04	5.884E+04	6.850E+03	-1.741E-01	3.087E+06	2.633E+06	-1.673E-03	2.390E-03
168	2	45.25	2	4.508E+04	5.885E+04	-9.443E+03	-1.696E-01	-2.990E+06	2.632E+06	-1.673E-03	-2.244E-03
168	3	90.50	1	-4.521E+04	5.783E+04	6.850E+03	-1.741E-01	2.777E+06	5.273E+06	-2.653E-03	3.072E-03
168	3	90.50	2	4.508E+04	5.785E+04	-9.443E+03	-1.696E-01	-2.563E+06	5.272E+06	-2.652E-03	-2.835E-03
168	4	135.75	1	-4.520E+04	5.682E+04	6.850E+03	-1.741E-01	2.467E+06	7.867E+06	-2.303E-03	2.218E-03
168	4	135.75	2	4.508E+04	5.684E+04	-9.443E+03	-1.696E-01	-2.135E+06	7.867E+06	-2.303E-03	-2.008E-03
168	5	181.00	1	-4.520E+04	5.582E+04	6.850E+03	-1.741E-01	2.157E+06	1.042E+07	-1.629E-10	1.704E-10
168	5	181.00	2	4.508E+04	5.583E+04	-9.443E+03	-1.696E-01	-1.708E+06	1.042E+07	-1.627E-10	-1.662E-10
169	1	0.00	1	3.818E+04	4.489E+04	7.996E+03	2.664E-02	2.824E+06	1.042E+07	0.000E+00	0.000E+00
169	1	0.00	2	-3.827E+04	4.489E+04	-8.984E+03	2.996E-02	-3.269E+06	1.042E+07	0.000E+00	0.000E+00
169	2	127.25	1	3.819E+04	4.206E+04	7.137E+03	2.664E-02	1.861E+06	1.595E+07	-5.586E-02	8.443E-03
169	2	127.25	2	-3.827E+04	4.206E+04	-8.126E+03	2.996E-02	-2.181E+06	1.595E+07	-5.586E-02	-9.990E-03
169	3	254.50	1	3.819E+04	3.923E+04	6.278E+03	2.664E-02	1.008E+06	2.112E+07	-8.093E-02	8.849E-03
169	3	254.50	2	-3.827E+04	3.923E+04	-7.267E+03	2.996E-02	-1.202E+06	2.112E+07	-8.093E-02	-1.054E-02
169	4	381.75	1	3.819E+04	3.640E+04	5.419E+03	2.664E-02	2.635E+05	2.593E+07	-6.537E-02	4.949E-03
169	4	381.75	2	-3.826E+04	3.640E+04	-6.408E+03	2.996E-02	-3.315E+05	2.593E+07	-6.537E-02	-5.946E-03
169	5	509.00	1	3.819E+04	3.358E+04	4.560E+03	2.664E-02	-3.714E+05	3.039E+07	-1.285E-09	-2.098E-09
169	5	509.00	2	-3.826E+04	3.357E+04	-5.549E+03	2.996E-02	4.292E+05	3.038E+07	-1.285E-09	1.905E-09
170	1	0.00	1	-3.827E+04	4.489E+04	7.448E+03	-2.997E-02	3.207E+06	1.042E+07	0.000E+00	0.000E+00
170	1	0.00	2	3.818E+04	4.489E+04	-6.460E+03	-2.664E-02	-2.762E+06	1.042E+07	0.000E+00	0.000E+00
170	2	127.25	1	-3.827E+04	4.206E+04	7.448E+03	-2.997E-02	2.260E+06	1.595E+07	-5.586E-02	1.068E-02
170	2	127.25	2	3.819E+04	4.206E+04	-6.460E+03	-2.664E-02	-1.940E+06	1.595E+07	-5.586E-02	-9.133E-03
170	3	254.50	1	-3.827E+04	3.923E+04	7.448E+03	-2.997E-02	1.312E+06	2.112E+07	-8.093E-02	1.148E-02
170	3	254.50	2	3.819E+04	3.923E+04	-6.460E+03	-2.664E-02	-1.118E+06	2.112E+07	-8.093E-02	-9.780E-03
170	4	381.75	1	-3.826E+04	3.640E+04	7.448E+03	-2.997E-02	3.640E+05	2.593E+07	-6.537E-02	6.534E-03
170	4	381.75	2	3.819E+04	3.640E+04	-6.460E+03	-2.664E-02	-2.960E+05	2.593E+07	-6.537E-02	-5.537E-03
170	5	509.00	1	-3.826E+04	3.357E+04	7.448E+03	-2.997E-02	-5.838E+05	3.038E+07	-1.285E-09	2.380E-09
170	5	509.00	2	3.819E+04	3.358E+04	-6.460E+03	-2.664E-02	5.259E+05	3.039E+07	-1.285E-09	-2.187E-09
171	1	0.00	1	3.098E+04	1.931E+04	6.933E+03	1.251E-02	7.290E+05	3.039E+07	0.000E+00	0.000E+00
171	1	0.00	2	-3.101E+04	1.931E+04	-6.814E+03	1.574E-02	-6.719E+05	3.039E+07	0.000E+00	0.000E+00
171	2	127.50	1	3.098E+04	1.647E+04	6.072E+03	1.251E-02	-1.001E+05	3.267E+07	-9.781E-02	-3.852E-03
171	2	127.50	2	-3.101E+04	1.647E+04	-5.953E+03	1.574E-02	1.420E+05	3.267E+07	-9.780E-02	4.061E-03
171	3	255.00	1	3.098E+04	1.364E+04	5.211E+03	1.251E-02	-8.194E+05	3.459E+07	-1.327E-01	-7.161E-03
171	3	255.00	2	-3.101E+04	1.364E+04	-5.093E+03	1.574E-02	8.462E+05	3.459E+07	-1.327E-01	7.396E-03

171	4	382.50	1	3.098E+04	1.080E+04	4.351E+03	1.251E-02	-1.429E+06	3.614E+07	-1.011E-01	-6.769E-03
171	4	382.50	2	-3.101E+04	1.080E+04	-4.232E+03	1.574E-02	1.441E+06	3.614E+07	-1.011E-01	6.912E-03
171	5	510.00	1	3.099E+04	7.968E+03	3.490E+03	1.251E-02	-1.929E+06	3.734E+07	-1.517E-09	3.168E-10
171	5	510.00	2	-3.100E+04	7.965E+03	-3.371E+03	1.574E-02	1.925E+06	3.734E+07	-1.517E-09	-3.239E-10
172	1	0.00	1	-3.101E+04	1.931E+04	5.076E+03	-1.574E-02	5.175E+05	3.039E+07	0.000E+00	0.000E+00
172	1	0.00	2	3.098E+04	1.931E+04	-5.194E+03	-1.251E-02	-5.745E+05	3.039E+07	0.000E+00	0.000E+00
172	2	127.50	1	-3.101E+04	1.647E+04	5.076E+03	-1.574E-02	-1.297E+05	3.267E+07	-9.780E-02	-3.696E-03
172	2	127.50	2	3.098E+04	1.647E+04	-5.194E+03	-1.251E-02	8.776E+04	3.267E+07	-9.781E-02	3.486E-03
172	3	255.00	1	-3.101E+04	1.364E+04	5.076E+03	-1.574E-02	-7.768E+05	3.459E+07	-1.327E-01	-6.822E-03
172	3	255.00	2	3.098E+04	1.364E+04	-5.194E+03	-1.251E-02	7.500E+05	3.459E+07	-1.327E-01	6.587E-03
172	4	382.50	1	-3.101E+04	1.080E+04	5.076E+03	-1.574E-02	-1.424E+06	3.614E+07	-1.011E-01	-6.537E-03
172	4	382.50	2	3.098E+04	1.080E+04	-5.194E+03	-1.251E-02	1.412E+06	3.614E+07	-1.011E-01	6.394E-03
172	5	510.00	1	-3.100E+04	7.965E+03	5.076E+03	-1.574E-02	-2.071E+06	3.734E+07	-1.517E-09	-8.915E-11
172	5	510.00	2	3.099E+04	7.968E+03	-5.194E+03	-1.251E-02	2.075E+06	3.734E+07	-1.517E-09	9.625E-11
173	1	0.00	1	2.430E+04	-7.965E+03	5.132E+03	-1.569E-02	-9.084E+05	3.734E+07	0.000E+00	0.000E+00
173	1	0.00	2	-2.428E+04	-7.968E+03	-5.139E+03	-1.256E-02	9.048E+05	3.734E+07	0.000E+00	0.000E+00
173	2	127.50	1	2.430E+04	-1.080E+04	4.272E+03	-1.569E-02	-1.508E+06	3.614E+07	-1.011E-01	-1.212E-02
173	2	127.50	2	-2.428E+04	-1.080E+04	-4.279E+03	-1.256E-02	1.505E+06	3.614E+07	-1.011E-01	1.210E-02
173	3	255.00	1	2.430E+04	-1.364E+04	3.411E+03	-1.569E-02	-1.998E+06	3.459E+07	-1.327E-01	-1.751E-02
173	3	255.00	2	-2.428E+04	-1.364E+04	-3.418E+03	-1.256E-02	1.996E+06	3.458E+07	-1.327E-01	1.749E-02
173	4	382.50	1	2.431E+04	-1.647E+04	2.550E+03	-1.569E-02	-2.378E+06	3.267E+07	-9.781E-02	-1.403E-02
173	4	382.50	2	-2.427E+04	-1.647E+04	-2.558E+03	-1.256E-02	2.377E+06	3.267E+07	-9.780E-02	1.402E-02
173	5	510.00	1	2.431E+04	-1.931E+04	1.690E+03	-1.569E-02	-2.648E+06	3.039E+07	-2.323E-09	4.192E-09
173	5	510.00	2	-2.427E+04	-1.931E+04	-1.697E+03	-1.256E-02	2.648E+06	3.038E+07	-2.324E-09	-4.191E-09
174	1	0.00	1	-2.428E+04	-7.968E+03	3.434E+03	1.256E-02	-1.051E+06	3.734E+07	0.000E+00	0.000E+00
174	1	0.00	2	2.430E+04	-7.965E+03	-3.426E+03	1.569E-02	1.054E+06	3.734E+07	0.000E+00	0.000E+00
174	2	127.50	1	-2.428E+04	-1.080E+04	3.434E+03	1.256E-02	-1.488E+06	3.614E+07	-1.011E-01	-1.173E-02
174	2	127.50	2	2.430E+04	-1.080E+04	-3.426E+03	1.569E-02	1.491E+06	3.614E+07	-1.011E-01	1.174E-02
174	3	255.00	1	-2.428E+04	-1.364E+04	3.434E+03	1.256E-02	-1.926E+06	3.458E+07	-1.327E-01	-1.692E-02
174	3	255.00	2	2.430E+04	-1.364E+04	-3.426E+03	1.569E-02	1.928E+06	3.459E+07	-1.327E-01	1.693E-02
174	4	382.50	1	-2.427E+04	-1.647E+04	3.434E+03	1.256E-02	-2.364E+06	3.267E+07	-9.780E-02	-1.365E-02
174	4	382.50	2	2.431E+04	-1.647E+04	-3.426E+03	1.569E-02	2.365E+06	3.267E+07	-9.781E-02	1.366E-02
174	5	510.00	1	-2.427E+04	-1.931E+04	3.434E+03	1.256E-02	-2.802E+06	3.038E+07	-2.324E-09	-4.207E-10
174	5	510.00	2	2.431E+04	-1.931E+04	-3.426E+03	1.569E-02	2.802E+06	3.039E+07	-2.323E-09	4.196E-10
175	1	0.00	1	1.864E+04	-3.357E+04	3.505E+03	-2.983E-02	-1.782E+06	3.039E+07	0.000E+00	0.000E+00
175	1	0.00	2	-1.857E+04	-3.358E+04	-3.503E+03	-2.678E-02	1.782E+06	3.038E+07	0.000E+00	0.000E+00
175	2	127.25	1	1.864E+04	-3.640E+04	2.646E+03	-2.983E-02	-2.174E+06	2.593E+07	-6.537E-02	-1.553E-02
175	2	127.25	2	-1.857E+04	-3.640E+04	-2.645E+03	-2.678E-02	2.173E+06	2.593E+07	-6.537E-02	1.553E-02
175	3	254.50	1	1.864E+04	-3.923E+04	1.787E+03	-2.983E-02	-2.456E+06	2.112E+07	-8.094E-02	-2.145E-02
175	3	254.50	2	-1.856E+04	-3.923E+04	-1.786E+03	-2.678E-02	2.455E+06	2.112E+07	-8.093E-02	2.144E-02
175	4	381.75	1	1.864E+04	-4.206E+04	9.282E+02	-2.983E-02	-2.629E+06	1.595E+07	-5.586E-02	-1.652E-02
175	4	381.75	2	-1.856E+04	-4.206E+04	-9.267E+02	-2.678E-02	2.628E+06	1.595E+07	-5.586E-02	1.652E-02
175	5	509.00	1	1.865E+04	-4.489E+04	6.928E+01	-2.983E-02	-2.692E+06	1.042E+07	-1.374E-08	-1.626E-09
175	5	509.00	2	-1.856E+04	-4.489E+04	-6.774E+01	-2.678E-02	2.691E+06	1.041E+07	-1.374E-08	1.627E-09
176	1	0.00	1	-1.857E+04	-3.358E+04	1.618E+03	2.677E-02	-1.936E+06	3.038E+07	0.000E+00	0.000E+00
176	1	0.00	2	1.864E+04	-3.357E+04	-1.620E+03	2.984E-02	1.936E+06	3.039E+07	0.000E+00	0.000E+00
176	2	127.25	1	-1.857E+04	-3.640E+04	1.618E+03	2.677E-02	-2.142E+06	2.593E+07	-6.537E-02	-1.495E-02
176	2	127.25	2	1.864E+04	-3.640E+04	-1.620E+03	2.984E-02	2.142E+06	2.593E+07	-6.537E-02	1.496E-02
176	3	254.50	1	-1.856E+04	-3.923E+04	1.618E+03	2.677E-02	-2.348E+06	2.112E+07	-8.093E-02	-2.054E-02
176	3	254.50	2	1.864E+04	-3.923E+04	-1.620E+03	2.984E-02	2.348E+06	2.112E+07	-8.094E-02	2.054E-02
176	4	381.75	1	-1.856E+04	-4.206E+04	1.618E+03	2.677E-02	-2.554E+06	1.595E+07	-5.586E-02	-1.585E-02
176	4	381.75	2	1.864E+04	-4.206E+04	-1.620E+03	2.984E-02	2.554E+06	1.595E+07	-5.586E-02	1.586E-02
176	5	509.00	1	-1.856E+04	-4.489E+04	1.618E+03	2.677E-02	-2.760E+06	1.041E+07	-1.374E-08	3.112E-09
176	5	509.00	2	1.865E+04	-4.489E+04	-1.620E+03	2.984E-02	2.761E+06	1.042E+07	-1.374E-08	-3.112E-09
177	1	0.00	1	1.416E+04	-5.582E+04	1.284E+03	-1.730E-01	-2.007E+06	1.042E+07	0.000E+00	0.000E+00
177	1	0.00	2	-1.403E+04	-5.583E+04	-1.290E+03	-1.707E-01	2.005E+06	1.041E+07	0.000E+00	0.000E+00
177	2	45.25	1	1.416E+04	-5.683E+04	9.781E+02	-1.730E-01	-2.058E+06	7.868E+06	-2.304E-03	-1.752E-03
177	2	45.25	2	-1.403E+04	-5.683E+04	-9.848E+02	-1.707E-01	2.057E+06	7.866E+06	-2.303E-03	1.752E-03
177	3	90.50	1	1.416E+04	-5.784E+04	6.727E+02	-1.730E-01	-2.095E+06	5.273E+06	-2.653E-03	-2.349E-03
177	3	90.50	2	-1.403E+04	-5.784E+04	-6.794E+02	-1.707E-01	2.095E+06	5.271E+06	-2.652E-03	2.348E-03
177	4	135.75	1	1.416E+04	-5.884E+04	3.673E+02	-1.730E-01	-2.119E+06	2.634E+06	-1.673E-03	-1.769E-03
177	4	135.75	2	-1.403E+04	-5.885E+04	-3.739E+02	-1.707E-01	2.118E+06	2.631E+06	-1.673E-03	1.769E-03

177	5	181.00	1	1.416E+04	-5.985E+04	6.181E+01	-1.730E-01	-2.128E+06	-5.178E+04	-4.527E-10	2.844E-11
177	5	181.00	2	-1.403E+04	-5.985E+04	-6.849E+01	-1.707E-01	2.128E+06	-5.409E+04	-4.526E-10	-2.848E-11
178	1	0.00	1	-1.403E+04	-5.583E+04	4.039E+02	1.707E-01	-2.073E+06	1.041E+07	0.000E+00	0.000E+00
178	1	0.00	2	1.416E+04	-5.582E+04	-3.973E+02	1.729E-01	2.074E+06	1.042E+07	0.000E+00	0.000E+00
178	2	45.25	1	-1.403E+04	-5.683E+04	4.039E+02	1.707E-01	-2.092E+06	7.866E+06	-2.303E-03	-1.745E-03
178	2	45.25	2	1.416E+04	-5.683E+04	-3.973E+02	1.729E-01	2.092E+06	7.868E+06	-2.304E-03	1.746E-03
178	3	90.50	1	-1.403E+04	-5.784E+04	4.039E+02	1.707E-01	-2.110E+06	5.271E+06	-2.652E-03	-2.334E-03
178	3	90.50	2	1.416E+04	-5.784E+04	-3.973E+02	1.729E-01	2.110E+06	5.273E+06	-2.653E-03	2.334E-03
178	4	135.75	1	-1.403E+04	-5.885E+04	4.039E+02	1.707E-01	-2.128E+06	2.631E+06	-1.673E-03	-1.755E-03
178	4	135.75	2	1.416E+04	-5.884E+04	-3.973E+02	1.729E-01	2.128E+06	2.634E+06	-1.673E-03	1.756E-03
178	5	181.00	1	-1.403E+04	-5.985E+04	4.039E+02	1.707E-01	-2.146E+06	-5.409E+04	-4.526E-10	-3.616E-10
178	5	181.00	2	1.416E+04	-5.985E+04	-3.973E+02	1.729E-01	2.146E+06	-5.178E+04	-4.527E-10	3.617E-10
179	1	0.00	1	8.527E-14	1.534E+03	4.657E+02	-1.929E-15	1.607E+04	-5.293E+04	0.000E+00	0.000E+00
179	1	0.00	2	8.527E-14	1.534E+03	-4.657E+02	2.067E-15	-1.607E+04	-5.293E+04	0.000E+00	0.000E+00
179	2	17.25	1	8.527E-14	1.151E+03	3.493E+02	-1.929E-15	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
179	2	17.25	2	8.527E-14	1.151E+03	-3.493E+02	2.067E-15	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06
179	3	34.50	1	8.527E-14	7.671E+02	2.329E+02	-1.929E-15	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
179	3	34.50	2	8.527E-14	7.671E+02	-2.329E+02	2.067E-15	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
179	4	51.75	1	8.527E-14	3.836E+02	1.164E+02	-1.929E-15	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
179	4	51.75	2	8.527E-14	3.836E+02	-1.164E+02	2.067E-15	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06
179	5	69.00	1	8.527E-14	1.554E-09	-8.906E-09	-1.929E-15	5.250E-07	8.310E-08	4.930E-13	2.063E-13
179	5	69.00	2	8.527E-14	-8.030E-10	8.905E-09	2.067E-15	-5.252E-07	4.896E-08	4.930E-13	-2.063E-13
180	1	0.00	1	-2.387E-12	1.534E+03	5.331E-10	1.599E-15	-1.058E-07	-5.293E+04	0.000E+00	0.000E+00
180	1	0.00	2	-2.387E-12	1.534E+03	-5.146E-10	-5.062E-15	1.065E-07	-5.293E+04	0.000E+00	0.000E+00
180	2	17.25	1	-2.387E-12	1.151E+03	5.331E-10	1.599E-15	-1.150E-07	-2.977E+04	-1.210E-05	-1.462E-17
180	2	17.25	2	-2.387E-12	1.151E+03	-5.146E-10	-5.062E-15	1.154E-07	-2.977E+04	-1.210E-05	1.462E-17
180	3	34.50	1	-2.387E-12	7.671E+02	5.331E-10	1.599E-15	-1.242E-07	-1.323E+04	-1.648E-05	-1.997E-17
180	3	34.50	2	-2.387E-12	7.671E+02	-5.146E-10	-5.062E-15	1.243E-07	-1.323E+04	-1.648E-05	1.997E-17
180	4	51.75	1	-2.387E-12	3.836E+02	5.331E-10	1.599E-15	-1.334E-07	-3.308E+03	-1.256E-05	-1.534E-17
180	4	51.75	2	-2.387E-12	3.836E+02	-5.146E-10	-5.062E-15	1.332E-07	-3.308E+03	-1.256E-05	1.534E-17
180	5	69.00	1	-2.387E-12	-1.746E-09	5.331E-10	1.599E-15	-1.426E-07	8.423E-08	4.930E-13	2.568E-24
180	5	69.00	2	-2.387E-12	-1.746E-09	-5.146E-10	-5.062E-15	1.420E-07	8.423E-08	4.930E-13	-2.568E-24
181	1	0.00	1	5.583E-09	4.759E-10	-5.590E-09	0.000E+00	1.073E-06	9.031E-08	0.000E+00	0.000E+00
181	1	0.00	2	-5.593E-09	-1.352E-10	5.586E-09	0.000E+00	-1.073E-06	1.071E-07	0.000E+00	0.000E+00
181	2	17.25	1	5.583E-09	-3.836E+02	-1.164E+02	0.000E+00	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
181	2	17.25	2	-5.593E-09	-3.836E+02	1.164E+02	0.000E+00	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06
181	3	34.50	1	5.583E-09	-7.671E+02	-2.329E+02	0.000E+00	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
181	3	34.50	2	-5.593E-09	-7.671E+02	2.329E+02	0.000E+00	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
181	4	51.75	1	5.583E-09	-1.151E+03	-3.493E+02	0.000E+00	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
181	4	51.75	2	-5.593E-09	-1.151E+03	3.493E+02	0.000E+00	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06
181	5	69.00	1	5.583E-09	-1.534E+03	-4.658E+02	0.000E+00	1.607E+04	-5.293E+04	9.738E-15	5.814E-15
181	5	69.00	2	-5.593E-09	-1.534E+03	4.658E+02	0.000E+00	-1.607E+04	-5.293E+04	9.738E-15	-5.814E-15
182	1	0.00	1	-1.118E-08	1.283E-11	-4.889E-09	0.000E+00	4.918E-07	1.231E-07	0.000E+00	0.000E+00
182	1	0.00	2	1.117E-08	1.283E-11	4.890E-09	0.000E+00	-4.916E-07	1.176E-07	0.000E+00	0.000E+00
182	2	17.25	1	-1.118E-08	-3.836E+02	-4.889E-09	0.000E+00	5.762E-07	-3.308E+03	-1.256E-05	7.623E-17
182	2	17.25	2	1.117E-08	-3.836E+02	4.890E-09	0.000E+00	-5.760E-07	-3.308E+03	-1.256E-05	-7.623E-17
182	3	34.50	1	-1.118E-08	-7.671E+02	-4.889E-09	0.000E+00	6.605E-07	-1.323E+04	-1.648E-05	1.062E-16
182	3	34.50	2	1.117E-08	-7.671E+02	4.890E-09	0.000E+00	-6.603E-07	-1.323E+04	-1.648E-05	-1.062E-16
182	4	51.75	1	-1.118E-08	-1.151E+03	-4.889E-09	0.000E+00	7.448E-07	-2.977E+04	-1.210E-05	8.301E-17
182	4	51.75	2	1.117E-08	-1.151E+03	4.890E-09	0.000E+00	-7.447E-07	-2.977E+04	-1.210E-05	-8.301E-17
182	5	69.00	1	-1.118E-08	-1.534E+03	-4.889E-09	0.000E+00	8.292E-07	-5.293E+04	9.739E-15	-7.780E-24
182	5	69.00	2	1.117E-08	-1.534E+03	4.890E-09	0.000E+00	-8.291E-07	-5.293E+04	9.739E-15	7.780E-24
183	1	0.00	1	1.403E+04	5.985E+04	-6.881E+01	1.728E-01	-2.128E+06	-5.248E+04	0.000E+00	0.000E+00
183	1	0.00	2	-1.416E+04	5.985E+04	6.149E+01	1.708E-01	2.128E+06	-5.338E+04	0.000E+00	0.000E+00
183	2	45.25	1	1.403E+04	5.884E+04	-3.743E+02	1.728E-01	-2.118E+06	2.633E+06	-1.673E-03	-1.769E-03
183	2	45.25	2	-1.416E+04	5.885E+04	3.669E+02	1.708E-01	2.119E+06	2.632E+06	-1.673E-03	1.769E-03
183	3	90.50	1	1.403E+04	5.784E+04	-6.797E+02	1.728E-01	-2.095E+06	5.273E+06	-2.653E-03	-2.348E-03
183	3	90.50	2	-1.416E+04	5.784E+04	6.724E+02	1.708E-01	2.095E+06	5.272E+06	-2.653E-03	2.349E-03
183	4	135.75	1	1.403E+04	5.683E+04	-9.851E+02	1.728E-01	-2.057E+06	7.867E+06	-2.303E-03	-1.752E-03
183	4	135.75	2	-1.416E+04	5.683E+04	9.778E+02	1.708E-01	2.058E+06	7.867E+06	-2.303E-03	1.752E-03
183	5	181.00	1	1.403E+04	5.582E+04	-1.291E+03	1.728E-01	-2.005E+06	1.042E+07	-5.453E-11	2.153E-10
183	5	181.00	2	-1.416E+04	5.583E+04	1.283E+03	1.708E-01	2.007E+06	1.042E+07	-5.451E-11	-2.153E-10

184	1	0.00	1	-1.416E+04	5.985E+04	-3.969E+02	-1.708E-01	-2.146E+06	-5.338E+04	0.000E+00	0.000E+00
184	1	0.00	2	1.403E+04	5.985E+04	4.043E+02	-1.728E-01	2.146E+06	-5.248E+04	0.000E+00	0.000E+00
184	2	45.25	1	-1.416E+04	5.885E+04	-3.969E+02	-1.708E-01	-2.128E+06	2.632E+06	-1.673E-03	-1.756E-03
184	2	45.25	2	1.403E+04	5.884E+04	4.043E+02	-1.728E-01	2.128E+06	2.633E+06	-1.673E-03	1.755E-03
184	3	90.50	1	-1.416E+04	5.784E+04	-3.969E+02	-1.708E-01	-2.110E+06	5.272E+06	-2.653E-03	-2.334E-03
184	3	90.50	2	1.403E+04	5.784E+04	4.043E+02	-1.728E-01	2.110E+06	5.273E+06	-2.653E-03	2.334E-03
184	4	135.75	1	-1.416E+04	5.683E+04	-3.969E+02	-1.708E-01	-2.092E+06	7.867E+06	-2.303E-03	-1.746E-03
184	4	135.75	2	1.403E+04	5.683E+04	4.043E+02	-1.728E-01	2.092E+06	7.867E+06	-2.303E-03	1.745E-03
184	5	181.00	1	-1.416E+04	5.583E+04	-3.969E+02	-1.708E-01	-2.074E+06	1.042E+07	-5.451E-11	-1.478E-10
184	5	181.00	2	1.403E+04	5.582E+04	4.043E+02	-1.728E-01	2.073E+06	1.042E+07	-5.453E-11	1.478E-10
185	1	0.00	1	1.856E+04	4.489E+04	-6.738E+01	2.897E-02	-2.691E+06	1.042E+07	0.000E+00	0.000E+00
185	1	0.00	2	-1.865E+04	4.489E+04	6.964E+01	2.764E-02	2.692E+06	1.042E+07	0.000E+00	0.000E+00
185	2	127.25	1	1.856E+04	4.206E+04	-9.263E+02	2.897E-02	-2.628E+06	1.595E+07	-5.586E-02	-1.652E-02
185	2	127.25	2	-1.864E+04	4.206E+04	9.286E+02	2.764E-02	2.629E+06	1.595E+07	-5.586E-02	1.652E-02
185	3	254.50	1	1.856E+04	3.923E+04	-1.785E+03	2.897E-02	-2.455E+06	2.112E+07	-8.093E-02	-2.144E-02
185	3	254.50	2	-1.864E+04	3.923E+04	1.788E+03	2.764E-02	2.456E+06	2.112E+07	-8.093E-02	2.145E-02
185	4	381.75	1	1.857E+04	3.640E+04	-2.644E+03	2.897E-02	-2.173E+06	2.593E+07	-6.537E-02	-1.553E-02
185	4	381.75	2	-1.864E+04	3.640E+04	2.646E+03	2.764E-02	2.174E+06	2.593E+07	-6.537E-02	1.553E-02
185	5	509.00	1	1.857E+04	3.357E+04	-3.503E+03	2.897E-02	-1.782E+06	3.038E+07	-6.471E-10	1.436E-09
185	5	509.00	2	-1.864E+04	3.358E+04	3.505E+03	2.764E-02	1.782E+06	3.039E+07	-6.471E-10	-1.437E-09
186	1	0.00	1	-1.865E+04	4.489E+04	-1.620E+03	-2.764E-02	-2.761E+06	1.042E+07	0.000E+00	0.000E+00
186	1	0.00	2	1.856E+04	4.489E+04	1.618E+03	-2.897E-02	2.760E+06	1.042E+07	0.000E+00	0.000E+00
186	2	127.25	1	-1.864E+04	4.206E+04	-1.620E+03	-2.764E-02	-2.554E+06	1.595E+07	-5.586E-02	-1.586E-02
186	2	127.25	2	1.856E+04	4.206E+04	1.618E+03	-2.897E-02	2.554E+06	1.595E+07	-5.586E-02	1.585E-02
186	3	254.50	1	-1.864E+04	3.923E+04	-1.620E+03	-2.764E-02	-2.348E+06	2.112E+07	-8.093E-02	-2.054E-02
186	3	254.50	2	1.856E+04	3.923E+04	1.618E+03	-2.897E-02	2.348E+06	2.112E+07	-8.093E-02	2.054E-02
186	4	381.75	1	-1.864E+04	3.640E+04	-1.620E+03	-2.764E-02	-2.142E+06	2.593E+07	-6.537E-02	-1.496E-02
186	4	381.75	2	1.857E+04	3.640E+04	1.618E+03	-2.897E-02	2.142E+06	2.593E+07	-6.537E-02	1.495E-02
186	5	509.00	1	-1.864E+04	3.358E+04	-1.620E+03	-2.764E-02	-1.936E+06	3.039E+07	-6.471E-10	-1.264E-09
186	5	509.00	2	1.857E+04	3.357E+04	1.618E+03	-2.897E-02	1.936E+06	3.038E+07	-6.471E-10	1.265E-09
187	1	0.00	1	2.427E+04	1.931E+04	-1.690E+03	1.479E-02	-2.648E+06	3.039E+07	0.000E+00	0.000E+00
187	1	0.00	2	-2.431E+04	1.931E+04	1.696E+03	1.346E-02	2.648E+06	3.039E+07	0.000E+00	0.000E+00
187	2	127.50	1	2.427E+04	1.647E+04	-2.551E+03	1.479E-02	-2.378E+06	3.267E+07	-9.780E-02	-1.403E-02
187	2	127.50	2	-2.431E+04	1.647E+04	2.557E+03	1.346E-02	2.377E+06	3.267E+07	-9.781E-02	1.402E-02
187	3	255.00	1	2.428E+04	1.364E+04	-3.412E+03	1.479E-02	-1.998E+06	3.459E+07	-1.327E-01	-1.751E-02
187	3	255.00	2	-2.430E+04	1.364E+04	3.418E+03	1.346E-02	1.996E+06	3.459E+07	-1.327E-01	1.749E-02
187	4	382.50	1	2.428E+04	1.080E+04	-4.272E+03	1.479E-02	-1.508E+06	3.614E+07	-1.011E-01	-1.212E-02
187	4	382.50	2	-2.430E+04	1.080E+04	4.278E+03	1.346E-02	1.505E+06	3.614E+07	-1.011E-01	1.210E-02
187	5	510.00	1	2.428E+04	7.965E+03	-5.133E+03	1.479E-02	-9.083E+05	3.734E+07	-1.746E-09	3.071E-09
187	5	510.00	2	-2.430E+04	7.968E+03	5.139E+03	1.346E-02	9.049E+05	3.734E+07	-1.746E-09	-3.071E-09
188	1	0.00	1	-2.431E+04	1.931E+04	-3.433E+03	-1.346E-02	-2.801E+06	3.039E+07	0.000E+00	0.000E+00
188	1	0.00	2	2.427E+04	1.931E+04	3.427E+03	-1.479E-02	2.802E+06	3.039E+07	0.000E+00	0.000E+00
188	2	127.50	1	-2.431E+04	1.647E+04	-3.433E+03	-1.346E-02	-2.364E+06	3.267E+07	-9.781E-02	-1.365E-02
188	2	127.50	2	2.427E+04	1.647E+04	3.427E+03	-1.479E-02	2.365E+06	3.267E+07	-9.780E-02	1.366E-02
188	3	255.00	1	-2.430E+04	1.364E+04	-3.433E+03	-1.346E-02	-1.926E+06	3.459E+07	-1.327E-01	-1.692E-02
188	3	255.00	2	2.428E+04	1.364E+04	3.427E+03	-1.479E-02	1.928E+06	3.459E+07	-1.327E-01	1.693E-02
188	4	382.50	1	-2.430E+04	1.080E+04	-3.433E+03	-1.346E-02	-1.488E+06	3.614E+07	-1.011E-01	-1.173E-02
188	4	382.50	2	2.428E+04	1.080E+04	3.427E+03	-1.479E-02	1.491E+06	3.614E+07	-1.011E-01	1.174E-02
188	5	510.00	1	-2.430E+04	7.968E+03	-3.433E+03	-1.346E-02	-1.051E+06	3.734E+07	-1.746E-09	3.140E-09
188	5	510.00	2	2.428E+04	7.965E+03	3.427E+03	-1.479E-02	1.054E+06	3.734E+07	-1.746E-09	-3.139E-09
189	1	0.00	1	3.100E+04	-7.968E+03	-3.489E+03	-1.352E-02	-1.929E+06	3.734E+07	0.000E+00	0.000E+00
189	1	0.00	2	-3.099E+04	-7.965E+03	3.372E+03	-1.473E-02	1.925E+06	3.734E+07	0.000E+00	0.000E+00
189	2	127.50	1	3.101E+04	-1.080E+04	-4.350E+03	-1.352E-02	-1.429E+06	3.614E+07	-1.011E-01	-6.771E-03
189	2	127.50	2	-3.098E+04	-1.080E+04	4.233E+03	-1.473E-02	1.440E+06	3.614E+07	-1.011E-01	6.911E-03
189	3	255.00	1	3.101E+04	-1.364E+04	-5.211E+03	-1.352E-02	-8.196E+05	3.458E+07	-1.327E-01	-7.163E-03
189	3	255.00	2	-3.098E+04	-1.364E+04	5.093E+03	-1.473E-02	8.460E+05	3.459E+07	-1.327E-01	7.394E-03
189	4	382.50	1	3.101E+04	-1.647E+04	-6.071E+03	-1.352E-02	-1.004E+05	3.267E+07	-9.780E-02	-3.853E-03
189	4	382.50	2	-3.098E+04	-1.647E+04	5.954E+03	-1.473E-02	1.417E+05	3.267E+07	-9.781E-02	4.060E-03
189	5	510.00	1	3.101E+04	-1.931E+04	-6.932E+03	-1.352E-02	7.286E+05	3.038E+07	2.433E-09	1.732E-09
189	5	510.00	2	-3.098E+04	-1.931E+04	6.815E+03	-1.473E-02	-6.723E+05	3.039E+07	2.433E-09	-1.731E-09
190	1	0.00	1	-3.099E+04	-7.965E+03	-5.076E+03	1.473E-02	-2.071E+06	3.734E+07	0.000E+00	0.000E+00
190	1	0.00	2	3.100E+04	-7.968E+03	5.194E+03	1.352E-02	2.075E+06	3.734E+07	0.000E+00	0.000E+00

190	2	127.50	1	-3.098E+04	-1.080E+04	-5.076E+03	1.473E-02	-1.424E+06	3.614E+07	-1.011E-01	-6.536E-03
190	2	127.50	2	3.101E+04	-1.080E+04	5.194E+03	1.352E-02	1.412E+06	3.614E+07	-1.011E-01	6.396E-03
190	3	255.00	1	-3.098E+04	-1.364E+04	-5.076E+03	1.473E-02	-7.766E+05	3.459E+07	-1.327E-01	-6.820E-03
190	3	255.00	2	3.101E+04	-1.364E+04	5.194E+03	1.352E-02	7.503E+05	3.458E+07	-1.327E-01	6.589E-03
190	4	382.50	1	-3.098E+04	-1.647E+04	-5.076E+03	1.473E-02	-1.294E+05	3.267E+07	-9.781E-02	-3.694E-03
190	4	382.50	2	3.101E+04	-1.647E+04	5.194E+03	1.352E-02	8.807E+04	3.267E+07	-9.780E-02	3.488E-03
190	5	510.00	1	-3.098E+04	-1.931E+04	-5.076E+03	1.473E-02	5.178E+05	3.039E+07	2.433E-09	-8.500E-10
190	5	510.00	2	3.101E+04	-1.931E+04	5.194E+03	1.352E-02	-5.741E+05	3.038E+07	2.433E-09	8.486E-10
191	1	0.00	1	3.826E+04	-3.357E+04	-4.568E+03	-2.778E-02	-3.720E+05	3.038E+07	0.000E+00	0.000E+00
191	1	0.00	2	-3.819E+04	-3.357E+04	5.540E+03	-2.884E-02	4.287E+05	3.039E+07	0.000E+00	0.000E+00
191	2	127.25	1	3.826E+04	-3.640E+04	-5.427E+03	-2.778E-02	2.640E+05	2.593E+07	-6.537E-02	4.957E-03
191	2	127.25	2	-3.819E+04	-3.640E+04	6.399E+03	-2.884E-02	-3.310E+05	2.593E+07	-6.537E-02	-5.938E-03
191	3	254.50	1	3.827E+04	-3.923E+04	-6.286E+03	-2.778E-02	1.009E+06	2.112E+07	-8.093E-02	8.862E-03
191	3	254.50	2	-3.819E+04	-3.923E+04	7.258E+03	-2.884E-02	-1.200E+06	2.112E+07	-8.094E-02	-1.053E-02
191	4	381.75	1	3.827E+04	-4.206E+04	-7.145E+03	-2.778E-02	1.864E+06	1.595E+07	-5.586E-02	8.456E-03
191	4	381.75	2	-3.819E+04	-4.206E+04	8.117E+03	-2.884E-02	-2.178E+06	1.595E+07	-5.587E-02	-9.978E-03
191	5	509.00	1	3.827E+04	-4.489E+04	-8.004E+03	-2.778E-02	2.828E+06	1.041E+07	-1.330E-08	5.640E-11
191	5	509.00	2	-3.818E+04	-4.489E+04	8.976E+03	-2.884E-02	-3.266E+06	1.042E+07	-1.329E-08	-6.724E-11
192	1	0.00	1	-3.819E+04	-3.357E+04	-7.440E+03	2.883E-02	-5.832E+05	3.039E+07	0.000E+00	0.000E+00
192	1	0.00	2	3.826E+04	-3.357E+04	6.468E+03	2.778E-02	5.265E+05	3.038E+07	0.000E+00	0.000E+00
192	2	127.25	1	-3.819E+04	-3.640E+04	-7.440E+03	2.883E-02	3.635E+05	2.593E+07	-6.537E-02	6.526E-03
192	2	127.25	2	3.826E+04	-3.640E+04	6.468E+03	2.778E-02	-2.965E+05	2.593E+07	-6.537E-02	-5.545E-03
192	3	254.50	1	-3.819E+04	-3.923E+04	-7.440E+03	2.883E-02	1.310E+06	2.112E+07	-8.094E-02	1.146E-02
192	3	254.50	2	3.827E+04	-3.923E+04	6.468E+03	2.778E-02	-1.120E+06	2.112E+07	-8.093E-02	-9.793E-03
192	4	381.75	1	-3.819E+04	-4.206E+04	-7.440E+03	2.883E-02	2.257E+06	1.595E+07	-5.587E-02	1.067E-02
192	4	381.75	2	3.827E+04	-4.206E+04	6.468E+03	2.778E-02	-1.943E+06	1.595E+07	-5.586E-02	-9.145E-03
192	5	509.00	1	-3.818E+04	-4.489E+04	-7.440E+03	2.883E-02	3.204E+06	1.042E+07	-1.329E-08	3.103E-10
192	5	509.00	2	3.827E+04	-4.489E+04	6.468E+03	2.778E-02	-2.766E+06	1.041E+07	-1.330E-08	-2.994E-10
193	1	0.00	1	4.520E+04	-5.582E+04	-8.574E+03	-1.719E-01	1.773E+06	1.041E+07	0.000E+00	0.000E+00
193	1	0.00	2	-4.508E+04	-5.583E+04	6.021E+03	-1.717E-01	-2.215E+06	1.042E+07	0.000E+00	0.000E+00
193	2	45.25	1	4.520E+04	-5.683E+04	-8.880E+03	-1.719E-01	2.168E+06	7.866E+06	-2.303E-03	2.000E-03
193	2	45.25	2	-4.508E+04	-5.684E+04	6.326E+03	-1.717E-01	-2.495E+06	7.868E+06	-2.304E-03	-2.207E-03
193	3	90.50	1	4.521E+04	-5.783E+04	-9.185E+03	-1.719E-01	2.577E+06	5.272E+06	-2.652E-03	2.819E-03
193	3	90.50	2	-4.508E+04	-5.784E+04	6.632E+03	-1.717E-01	-2.788E+06	5.273E+06	-2.653E-03	-3.052E-03
193	4	135.75	1	4.521E+04	-5.884E+04	-9.491E+03	-1.719E-01	2.999E+06	2.632E+06	-1.673E-03	2.230E-03
193	4	135.75	2	-4.508E+04	-5.885E+04	6.937E+03	-1.717E-01	-3.095E+06	2.633E+06	-1.673E-03	-2.373E-03
193	5	181.00	1	4.521E+04	-5.984E+04	-9.796E+03	-1.719E-01	3.435E+06	-5.330E+04	-8.974E-10	4.781E-10
193	5	181.00	2	-4.508E+04	-5.986E+04	7.243E+03	-1.717E-01	-3.415E+06	-5.257E+04	-8.977E-10	-4.204E-10
194	1	0.00	1	-4.508E+04	-5.583E+04	-6.870E+03	1.717E-01	2.154E+06	1.042E+07	0.000E+00	0.000E+00
194	1	0.00	2	4.520E+04	-5.582E+04	9.423E+03	1.719E-01	-1.712E+06	1.041E+07	0.000E+00	0.000E+00
194	2	45.25	1	-4.508E+04	-5.684E+04	-6.870E+03	1.717E-01	2.465E+06	7.868E+06	-2.304E-03	2.217E-03
194	2	45.25	2	4.520E+04	-5.683E+04	9.423E+03	1.719E-01	-2.138E+06	7.866E+06	-2.303E-03	-2.010E-03
194	3	90.50	1	-4.508E+04	-5.784E+04	-6.870E+03	1.717E-01	2.776E+06	5.273E+06	-2.653E-03	3.070E-03
194	3	90.50	2	4.521E+04	-5.783E+04	9.423E+03	1.719E-01	-2.564E+06	5.272E+06	-2.652E-03	-2.837E-03
194	4	135.75	1	-4.508E+04	-5.885E+04	-6.870E+03	1.717E-01	3.086E+06	2.633E+06	-1.673E-03	2.389E-03
194	4	135.75	2	4.521E+04	-5.884E+04	9.423E+03	1.719E-01	-2.991E+06	2.632E+06	-1.673E-03	-2.245E-03
194	5	181.00	1	-4.508E+04	-5.986E+04	-6.870E+03	1.717E-01	3.397E+06	-5.257E+04	-8.977E-10	3.324E-10
194	5	181.00	2	4.521E+04	-5.984E+04	9.423E+03	1.719E-01	-3.417E+06	-5.330E+04	-8.974E-10	-3.901E-10
195	1	0.00	1	-2.224E+00	1.534E+03	4.658E+02	-1.378E-10	1.607E+04	-5.293E+04	0.000E+00	0.000E+00
195	1	0.00	2	2.224E+00	1.534E+03	-4.658E+02	1.316E-10	-1.607E+04	-5.293E+04	0.000E+00	0.000E+00
195	2	17.25	1	-1.668E+00	1.151E+03	3.493E+02	-1.378E-10	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
195	2	17.25	2	1.668E+00	1.151E+03	-3.493E+02	1.316E-10	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06
195	3	34.50	1	-1.112E+00	7.671E+02	2.329E+02	-1.378E-10	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
195	3	34.50	2	1.112E+00	7.671E+02	-2.329E+02	1.316E-10	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
195	4	51.75	1	-5.559E-01	3.836E+02	1.164E+02	-1.378E-10	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
195	4	51.75	2	5.559E-01	3.836E+02	-1.164E+02	1.316E-10	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06
195	5	69.00	1	8.415E-09	3.447E-11	1.875E-09	-1.378E-10	-1.505E-07	4.066E-08	2.092E-13	-3.648E-13
195	5	69.00	2	-8.584E-09	-1.559E-09	-1.590E-09	1.316E-10	1.422E-07	4.806E-08	2.092E-13	3.648E-13
196	1	0.00	1	-2.224E+00	1.534E+03	1.406E-09	-2.729E-10	-2.736E-07	-5.293E+04	0.000E+00	0.000E+00
196	1	0.00	2	2.224E+00	1.534E+03	-1.388E-09	2.875E-10	2.629E-07	-5.293E+04	0.000E+00	0.000E+00
196	2	17.25	1	-1.668E+00	1.151E+03	1.406E-09	-2.729E-10	-2.978E-07	-2.977E+04	-1.210E-05	-3.781E-17
196	2	17.25	2	1.668E+00	1.151E+03	-1.388E-09	2.875E-10	2.868E-07	-2.977E+04	-1.210E-05	3.655E-17

196	3	34.50	1	-1.112E+00	7.671E+02	1.406E-09	-2.729E-10	-3.221E-07	-1.323E+04	-1.648E-05	-5.171E-17
196	3	34.50	2	-1.112E+00	7.671E+02	-1.388E-09	2.875E-10	3.108E-07	-1.323E+04	-1.648E-05	5.001E-17
196	4	51.75	1	-5.559E-01	3.836E+02	1.406E-09	-2.729E-10	-3.463E-07	-3.308E+03	-1.256E-05	-3.976E-17
196	4	51.75	2	-5.559E-01	3.836E+02	-1.388E-09	2.875E-10	3.347E-07	-3.308E+03	-1.256E-05	3.847E-17
196	5	69.00	1	1.236E-08	5.758E-10	1.406E-09	-2.729E-10	-3.706E-07	-4.319E-09	2.092E-13	4.935E-24
196	5	69.00	2	-1.257E-08	5.758E-10	-1.388E-09	2.875E-10	3.587E-07	-1.328E-07	2.092E-13	-5.004E-24
197	1	0.00	1	1.199E-09	3.090E-10	-2.084E-09	-9.918E-11	-3.949E-08	-1.350E-08	0.000E+00	0.000E+00
197	1	0.00	2	-1.186E-09	-6.951E-10	2.079E-09	9.957E-11	3.919E-08	5.355E-08	0.000E+00	0.000E+00
197	2	17.25	1	5.559E-01	-3.836E+02	-1.164E+02	-9.918E-11	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
197	2	17.25	2	5.559E-01	-3.836E+02	1.164E+02	9.957E-11	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06
197	3	34.50	1	1.112E+00	-7.671E+02	-2.329E+02	-9.918E-11	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
197	3	34.50	2	1.112E+00	-7.671E+02	2.329E+02	9.957E-11	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
197	4	51.75	1	1.668E+00	-1.151E+03	-3.493E+02	-9.918E-11	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
197	4	51.75	2	1.668E+00	-1.151E+03	3.493E+02	9.957E-11	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06
197	5	69.00	1	2.224E+00	-1.534E+03	-4.658E+02	-9.918E-11	1.607E+04	-5.293E+04	-1.808E-14	-3.379E-15
197	5	69.00	2	2.224E+00	-1.534E+03	4.658E+02	9.957E-11	-1.607E+04	-5.293E+04	-1.808E-14	3.379E-15
198	1	0.00	1	-8.561E-09	3.175E-10	2.147E-12	-1.021E-10	-8.934E-08	2.072E-08	0.000E+00	0.000E+00
198	1	0.00	2	8.558E-09	3.393E-10	2.147E-12	1.017E-10	8.947E-08	6.543E-08	0.000E+00	0.000E+00
198	2	17.25	1	5.559E-01	-3.836E+02	2.147E-12	-1.021E-10	-8.938E-08	-3.308E+03	-1.256E-05	-1.078E-17
198	2	17.25	2	5.559E-01	-3.836E+02	2.147E-12	1.017E-10	8.943E-08	-3.308E+03	-1.256E-05	1.078E-17
198	3	34.50	1	1.112E+00	-7.671E+02	2.147E-12	-1.021E-10	-8.942E-08	-1.323E+04	-1.648E-05	-1.437E-17
198	3	34.50	2	1.112E+00	-7.671E+02	2.147E-12	1.017E-10	8.940E-08	-1.323E+04	-1.648E-05	1.437E-17
198	4	51.75	1	1.668E+00	-1.151E+03	2.147E-12	-1.021E-10	-8.946E-08	-2.977E+04	-1.210E-05	-1.078E-17
198	4	51.75	2	1.668E+00	-1.151E+03	2.147E-12	1.017E-10	8.936E-08	-2.977E+04	-1.210E-05	1.078E-17
198	5	69.00	1	2.224E+00	-1.534E+03	2.147E-12	-1.021E-10	-8.949E-08	-5.293E+04	-1.808E-14	-3.380E-24
198	5	69.00	2	2.224E+00	-1.534E+03	2.147E-12	1.017E-10	8.932E-08	-5.293E+04	-1.808E-14	3.380E-24
199	1	0.00	1	4.508E+04	5.986E+04	9.816E+03	1.698E-01	3.436E+06	-5.404E+04	0.000E+00	0.000E+00
199	1	0.00	2	-4.521E+04	5.984E+04	-7.223E+03	1.739E-01	-3.415E+06	-5.182E+04	0.000E+00	0.000E+00
199	2	45.25	1	4.508E+04	5.885E+04	9.510E+03	1.698E-01	2.998E+06	2.632E+06	-1.673E-03	2.229E-03
199	2	45.25	2	-4.521E+04	5.884E+04	-6.917E+03	1.739E-01	-3.096E+06	2.633E+06	-1.673E-03	-2.374E-03
199	3	90.50	1	4.508E+04	5.785E+04	9.205E+03	1.698E-01	2.575E+06	5.272E+06	-2.653E-03	2.817E-03
199	3	90.50	2	-4.521E+04	5.783E+04	-6.612E+03	1.739E-01	-2.789E+06	5.273E+06	-2.653E-03	-3.054E-03
199	4	135.75	1	4.508E+04	5.684E+04	8.900E+03	1.698E-01	2.165E+06	7.867E+06	-2.303E-03	1.998E-03
199	4	135.75	2	-4.520E+04	5.682E+04	-6.306E+03	1.739E-01	-2.497E+06	7.867E+06	-2.303E-03	-2.209E-03
199	5	181.00	1	4.508E+04	5.583E+04	8.594E+03	1.698E-01	1.769E+06	1.042E+07	-1.628E-10	4.519E-10
199	5	181.00	2	-4.520E+04	5.582E+04	-6.001E+03	1.739E-01	-2.219E+06	1.042E+07	-1.628E-10	-4.561E-10
200	1	0.00	1	-4.521E+04	5.984E+04	6.850E+03	-1.739E-01	3.397E+06	-5.182E+04	0.000E+00	0.000E+00
200	1	0.00	2	4.508E+04	5.986E+04	-9.443E+03	-1.698E-01	-3.417E+06	-5.404E+04	0.000E+00	0.000E+00
200	2	45.25	1	-4.521E+04	5.884E+04	6.850E+03	-1.739E-01	3.087E+06	2.633E+06	-1.673E-03	2.390E-03
200	2	45.25	2	4.508E+04	5.885E+04	-9.443E+03	-1.698E-01	-2.990E+06	2.632E+06	-1.673E-03	-2.244E-03
200	3	90.50	1	-4.521E+04	5.783E+04	6.850E+03	-1.739E-01	2.777E+06	5.273E+06	-2.653E-03	3.072E-03
200	3	90.50	2	4.508E+04	5.785E+04	-9.443E+03	-1.698E-01	-2.563E+06	5.272E+06	-2.653E-03	-2.835E-03
200	4	135.75	1	-4.520E+04	5.682E+04	6.850E+03	-1.739E-01	2.467E+06	7.867E+06	-2.303E-03	2.218E-03
200	4	135.75	2	4.508E+04	5.684E+04	-9.443E+03	-1.698E-01	-2.135E+06	7.867E+06	-2.303E-03	-2.008E-03
200	5	181.00	1	-4.520E+04	5.582E+04	6.850E+03	-1.739E-01	2.157E+06	1.042E+07	-1.628E-10	1.741E-10
200	5	181.00	2	4.508E+04	5.583E+04	-9.443E+03	-1.698E-01	-1.708E+06	1.042E+07	-1.628E-10	-1.699E-10
201	1	0.00	1	3.818E+04	4.489E+04	7.996E+03	2.682E-02	2.824E+06	1.042E+07	0.000E+00	0.000E+00
201	1	0.00	2	-3.827E+04	4.489E+04	-8.984E+03	2.978E-02	-3.269E+06	1.042E+07	0.000E+00	0.000E+00
201	2	127.25	1	3.819E+04	4.206E+04	7.137E+03	2.682E-02	1.861E+06	1.595E+07	-5.586E-02	8.443E-03
201	2	127.25	2	-3.827E+04	4.206E+04	-8.126E+03	2.978E-02	-2.181E+06	1.595E+07	-5.586E-02	-9.990E-03
201	3	254.50	1	3.819E+04	3.923E+04	6.278E+03	2.682E-02	1.008E+06	2.112E+07	-8.094E-02	8.849E-03
201	3	254.50	2	-3.827E+04	3.923E+04	-7.267E+03	2.978E-02	-1.202E+06	2.112E+07	-8.093E-02	-1.054E-02
201	4	381.75	1	3.819E+04	3.640E+04	5.419E+03	2.682E-02	2.635E+05	2.593E+07	-6.537E-02	4.949E-03
201	4	381.75	2	-3.826E+04	3.640E+04	-6.408E+03	2.978E-02	-3.315E+05	2.593E+07	-6.537E-02	-5.946E-03
201	5	509.00	1	3.819E+04	3.358E+04	4.560E+03	2.682E-02	-3.714E+05	3.039E+07	-1.285E-09	-2.062E-09
201	5	509.00	2	-3.826E+04	3.357E+04	-5.549E+03	2.978E-02	4.292E+05	3.038E+07	-1.285E-09	1.869E-09
202	1	0.00	1	-3.827E+04	4.489E+04	7.448E+03	-2.979E-02	3.207E+06	1.042E+07	0.000E+00	0.000E+00
202	1	0.00	2	3.818E+04	4.489E+04	-6.460E+03	-2.682E-02	-2.762E+06	1.042E+07	0.000E+00	0.000E+00
202	2	127.25	1	-3.827E+04	4.206E+04	7.448E+03	-2.979E-02	2.260E+06	1.595E+07	-5.586E-02	1.068E-02
202	2	127.25	2	3.819E+04	4.206E+04	-6.460E+03	-2.682E-02	-1.940E+06	1.595E+07	-5.586E-02	-9.133E-03
202	3	254.50	1	-3.827E+04	3.923E+04	7.448E+03	-2.979E-02	1.312E+06	2.112E+07	-8.093E-02	1.148E-02
202	3	254.50	2	3.819E+04	3.923E+04	-6.460E+03	-2.682E-02	-1.118E+06	2.112E+07	-8.094E-02	-9.780E-03

202	4	381.75	1	-3.826E+04	3.640E+04	7.448E+03	-2.979E-02	3.640E+05	2.593E+07	-6.537E-02	6.534E-03
202	4	381.75	2	3.819E+04	3.640E+04	-6.460E+03	-2.682E-02	-2.960E+05	2.593E+07	-6.537E-02	-5.537E-03
202	5	509.00	1	-3.826E+04	3.357E+04	7.448E+03	-2.979E-02	-5.838E+05	3.038E+07	-1.285E-09	2.417E-09
202	5	509.00	2	3.819E+04	3.358E+04	-6.460E+03	-2.682E-02	5.259E+05	3.039E+07	-1.285E-09	-2.224E-09
203	1	0.00	1	3.098E+04	1.931E+04	6.933E+03	1.269E-02	7.290E+05	3.039E+07	0.000E+00	0.000E+00
203	1	0.00	2	-3.101E+04	1.931E+04	-6.814E+03	1.556E-02	-6.719E+05	3.039E+07	0.000E+00	0.000E+00
203	2	127.50	1	3.098E+04	1.647E+04	6.072E+03	1.269E-02	-1.001E+05	3.267E+07	-9.781E-02	-3.852E-03
203	2	127.50	2	-3.101E+04	1.647E+04	-5.953E+03	1.556E-02	1.420E+05	3.267E+07	-9.780E-02	4.061E-03
203	3	255.00	1	3.098E+04	1.364E+04	5.211E+03	1.269E-02	-8.194E+05	3.459E+07	-1.327E-01	-7.161E-03
203	3	255.00	2	-3.101E+04	1.364E+04	-5.093E+03	1.556E-02	8.462E+05	3.459E+07	-1.327E-01	7.396E-03
203	4	382.50	1	3.098E+04	1.080E+04	4.351E+03	1.269E-02	-1.429E+06	3.614E+07	-1.011E-01	-6.769E-03
203	4	382.50	2	-3.101E+04	1.080E+04	-4.232E+03	1.556E-02	1.441E+06	3.614E+07	-1.011E-01	6.912E-03
203	5	510.00	1	3.099E+04	7.968E+03	3.490E+03	1.269E-02	-1.929E+06	3.734E+07	-1.517E-09	3.564E-10
203	5	510.00	2	-3.100E+04	7.966E+03	-3.371E+03	1.556E-02	1.925E+06	3.734E+07	-1.517E-09	-3.635E-10
204	1	0.00	1	-3.101E+04	1.931E+04	5.076E+03	-1.556E-02	5.175E+05	3.039E+07	0.000E+00	0.000E+00
204	1	0.00	2	3.098E+04	1.931E+04	-5.194E+03	-1.269E-02	-5.745E+05	3.039E+07	0.000E+00	0.000E+00
204	2	127.50	1	-3.101E+04	1.647E+04	5.076E+03	-1.556E-02	-1.297E+05	3.267E+07	-9.780E-02	-3.696E-03
204	2	127.50	2	3.098E+04	1.647E+04	-5.194E+03	-1.269E-02	8.776E+04	3.267E+07	-9.781E-02	3.486E-03
204	3	255.00	1	-3.101E+04	1.364E+04	5.076E+03	-1.556E-02	-7.768E+05	3.459E+07	-1.327E-01	-6.822E-03
204	3	255.00	2	3.098E+04	1.364E+04	-5.194E+03	-1.269E-02	7.500E+05	3.459E+07	-1.327E-01	6.587E-03
204	4	382.50	1	-3.101E+04	1.080E+04	5.076E+03	-1.556E-02	-1.424E+06	3.614E+07	-1.011E-01	-6.537E-03
204	4	382.50	2	3.098E+04	1.080E+04	-5.194E+03	-1.269E-02	1.412E+06	3.614E+07	-1.011E-01	6.394E-03
204	5	510.00	1	-3.100E+04	7.966E+03	5.076E+03	-1.556E-02	-2.071E+06	3.734E+07	-1.517E-09	-4.956E-11
204	5	510.00	2	3.099E+04	7.968E+03	-5.194E+03	-1.269E-02	2.075E+06	3.734E+07	-1.517E-09	5.666E-11
205	1	0.00	1	2.430E+04	-7.966E+03	5.132E+03	-1.550E-02	-9.084E+05	3.734E+07	0.000E+00	0.000E+00
205	1	0.00	2	-2.428E+04	-7.968E+03	-5.139E+03	-1.275E-02	9.048E+05	3.734E+07	0.000E+00	0.000E+00
205	2	127.50	1	2.430E+04	-1.080E+04	4.272E+03	-1.550E-02	-1.508E+06	3.614E+07	-1.011E-01	-1.212E-02
205	2	127.50	2	-2.428E+04	-1.080E+04	-4.279E+03	-1.275E-02	1.505E+06	3.614E+07	-1.011E-01	1.210E-02
205	3	255.00	1	2.430E+04	-1.364E+04	3.411E+03	-1.550E-02	-1.998E+06	3.459E+07	-1.327E-01	-1.751E-02
205	3	255.00	2	-2.428E+04	-1.364E+04	-3.418E+03	-1.275E-02	1.996E+06	3.458E+07	-1.327E-01	1.749E-02
205	4	382.50	1	2.431E+04	-1.647E+04	2.550E+03	-1.550E-02	-2.378E+06	3.267E+07	-9.781E-02	-1.403E-02
205	4	382.50	2	-2.427E+04	-1.647E+04	-2.558E+03	-1.275E-02	2.377E+06	3.267E+07	-9.780E-02	1.402E-02
205	5	510.00	1	2.431E+04	-1.931E+04	1.690E+03	-1.550E-02	-2.648E+06	3.039E+07	2.324E-09	4.231E-09
205	5	510.00	2	-2.427E+04	-1.931E+04	-1.697E+03	-1.275E-02	2.648E+06	3.038E+07	2.323E-09	-4.230E-09
206	1	0.00	1	-2.428E+04	-7.968E+03	3.434E+03	1.275E-02	-1.051E+06	3.734E+07	0.000E+00	0.000E+00
206	1	0.00	2	2.430E+04	-7.966E+03	-3.426E+03	1.550E-02	1.054E+06	3.734E+07	0.000E+00	0.000E+00
206	2	127.50	1	-2.428E+04	-1.080E+04	3.434E+03	1.275E-02	-1.488E+06	3.614E+07	-1.011E-01	-1.173E-02
206	2	127.50	2	2.430E+04	-1.080E+04	-3.426E+03	1.550E-02	1.491E+06	3.614E+07	-1.011E-01	1.174E-02
206	3	255.00	1	-2.428E+04	-1.364E+04	3.434E+03	1.275E-02	-1.926E+06	3.458E+07	-1.327E-01	-1.692E-02
206	3	255.00	2	2.430E+04	-1.364E+04	-3.426E+03	1.550E-02	1.928E+06	3.459E+07	-1.327E-01	1.693E-02
206	4	382.50	1	-2.427E+04	-1.647E+04	3.434E+03	1.275E-02	-2.364E+06	3.267E+07	-9.780E-02	-1.365E-02
206	4	382.50	2	2.431E+04	-1.647E+04	-3.426E+03	1.550E-02	2.365E+06	3.267E+07	-9.781E-02	1.366E-02
206	5	510.00	1	-2.427E+04	-1.931E+04	3.434E+03	1.275E-02	-2.802E+06	3.038E+07	2.323E-09	-3.813E-10
206	5	510.00	2	2.431E+04	-1.931E+04	-3.426E+03	1.550E-02	2.802E+06	3.039E+07	2.324E-09	3.802E-10
207	1	0.00	1	1.864E+04	-3.357E+04	3.505E+03	-2.965E-02	-1.782E+06	3.039E+07	0.000E+00	0.000E+00
207	1	0.00	2	-1.857E+04	-3.357E+04	-3.503E+03	-2.696E-02	1.782E+06	3.038E+07	0.000E+00	0.000E+00
207	2	127.25	1	1.864E+04	-3.640E+04	2.646E+03	-2.965E-02	-2.174E+06	2.593E+07	-6.537E-02	-1.553E-02
207	2	127.25	2	-1.857E+04	-3.640E+04	-2.645E+03	-2.696E-02	2.173E+06	2.593E+07	-6.537E-02	1.553E-02
207	3	254.50	1	1.864E+04	-3.923E+04	1.787E+03	-2.965E-02	-2.456E+06	2.112E+07	-8.094E-02	-2.145E-02
207	3	254.50	2	-1.856E+04	-3.923E+04	-1.786E+03	-2.696E-02	2.455E+06	2.112E+07	-8.093E-02	2.144E-02
207	4	381.75	1	1.864E+04	-4.206E+04	9.282E+02	-2.965E-02	-2.629E+06	1.595E+07	-5.586E-02	-1.652E-02
207	4	381.75	2	-1.856E+04	-4.206E+04	-9.267E+02	-2.696E-02	2.628E+06	1.595E+07	-5.586E-02	1.652E-02
207	5	509.00	1	1.865E+04	-4.489E+04	6.928E+01	-2.965E-02	-2.692E+06	1.042E+07	-1.374E-08	-1.590E-09
207	5	509.00	2	-1.856E+04	-4.489E+04	-6.774E+01	-2.696E-02	2.691E+06	1.041E+07	-1.374E-08	1.591E-09
208	1	0.00	1	-1.857E+04	-3.357E+04	1.618E+03	2.695E-02	-1.936E+06	3.038E+07	0.000E+00	0.000E+00
208	1	0.00	2	1.864E+04	-3.357E+04	-1.620E+03	2.965E-02	1.936E+06	3.039E+07	0.000E+00	0.000E+00
208	2	127.25	1	-1.857E+04	-3.640E+04	1.618E+03	2.695E-02	-2.142E+06	2.593E+07	-6.537E-02	-1.495E-02
208	2	127.25	2	1.864E+04	-3.640E+04	-1.620E+03	2.965E-02	2.142E+06	2.593E+07	-6.537E-02	1.496E-02
208	3	254.50	1	-1.856E+04	-3.923E+04	1.618E+03	2.695E-02	-2.348E+06	2.112E+07	-8.093E-02	-2.054E-02
208	3	254.50	2	1.864E+04	-3.923E+04	-1.620E+03	2.965E-02	2.348E+06	2.112E+07	-8.094E-02	2.054E-02
208	4	381.75	1	-1.856E+04	-4.206E+04	1.618E+03	2.695E-02	-2.554E+06	1.595E+07	-5.586E-02	-1.585E-02
208	4	381.75	2	1.864E+04	-4.206E+04	-1.620E+03	2.965E-02	2.554E+06	1.595E+07	-5.586E-02	1.586E-02

208	5	509.00	1	-1.856E+04	-4.489E+04	1.618E+03	2.695E-02	-2.760E+06	1.041E+07	-1.374E-08	3.147E-09
208	5	509.00	2	1.865E+04	-4.489E+04	-1.620E+03	2.965E-02	2.761E+06	1.042E+07	-1.374E-08	-3.148E-09
209	1	0.00	1	1.416E+04	-5.582E+04	1.284E+03	-1.728E-01	-2.007E+06	1.042E+07	0.000E+00	0.000E+00
209	1	0.00	2	-1.403E+04	-5.583E+04	-1.290E+03	-1.709E-01	2.005E+06	1.041E+07	0.000E+00	0.000E+00
209	2	45.25	1	1.416E+04	-5.683E+04	9.781E+02	-1.728E-01	-2.058E+06	7.868E+06	-2.304E-03	-1.752E-03
209	2	45.25	2	-1.403E+04	-5.683E+04	-9.848E+02	-1.709E-01	2.057E+06	7.866E+06	-2.303E-03	1.752E-03
209	3	90.50	1	1.416E+04	-5.784E+04	6.727E+02	-1.728E-01	-2.095E+06	5.273E+06	-2.653E-03	-2.349E-03
209	3	90.50	2	-1.403E+04	-5.784E+04	-6.794E+02	-1.709E-01	2.095E+06	5.272E+06	-2.652E-03	2.348E-03
209	4	135.75	1	1.416E+04	-5.884E+04	3.673E+02	-1.728E-01	-2.119E+06	2.633E+06	-1.673E-03	-1.769E-03
209	4	135.75	2	-1.403E+04	-5.885E+04	-3.739E+02	-1.709E-01	2.118E+06	2.632E+06	-1.673E-03	1.769E-03
209	5	181.00	1	1.416E+04	-5.985E+04	6.181E+01	-1.728E-01	-2.128E+06	-5.191E+04	-4.527E-10	3.207E-11
209	5	181.00	2	-1.403E+04	-5.985E+04	-6.849E+01	-1.709E-01	2.128E+06	-5.396E+04	-4.526E-10	-3.211E-11
210	1	0.00	1	-1.403E+04	-5.583E+04	4.039E+02	1.709E-01	-2.073E+06	1.041E+07	0.000E+00	0.000E+00
210	1	0.00	2	1.416E+04	-5.582E+04	-3.973E+02	1.728E-01	2.074E+06	1.042E+07	0.000E+00	0.000E+00
210	2	45.25	1	-1.403E+04	-5.683E+04	4.039E+02	1.709E-01	-2.092E+06	7.866E+06	-2.303E-03	-1.745E-03
210	2	45.25	2	1.416E+04	-5.683E+04	-3.973E+02	1.728E-01	2.092E+06	7.868E+06	-2.304E-03	1.746E-03
210	3	90.50	1	-1.403E+04	-5.784E+04	4.039E+02	1.709E-01	-2.110E+06	5.272E+06	-2.652E-03	-2.334E-03
210	3	90.50	2	1.416E+04	-5.784E+04	-3.973E+02	1.728E-01	2.110E+06	5.273E+06	-2.653E-03	2.334E-03
210	4	135.75	1	-1.403E+04	-5.885E+04	4.039E+02	1.709E-01	-2.128E+06	2.632E+06	-1.673E-03	-1.755E-03
210	4	135.75	2	1.416E+04	-5.884E+04	-3.973E+02	1.728E-01	2.128E+06	2.633E+06	-1.673E-03	1.756E-03
210	5	181.00	1	-1.403E+04	-5.985E+04	4.039E+02	1.709E-01	-2.146E+06	-5.396E+04	-4.526E-10	-3.580E-10
210	5	181.00	2	1.416E+04	-5.985E+04	-3.973E+02	1.728E-01	2.146E+06	-5.191E+04	-4.527E-10	3.580E-10
211	1	0.00	1	-5.070E-12	1.534E+03	4.658E+02	-1.325E-15	1.607E+04	-5.293E+04	0.000E+00	0.000E+00
211	1	0.00	2	5.070E-12	1.534E+03	-4.658E+02	7.024E-18	-1.607E+04	-5.293E+04	0.000E+00	0.000E+00
211	2	17.25	1	-5.070E-12	1.151E+03	3.493E+02	-1.325E-15	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
211	2	17.25	2	5.070E-12	1.151E+03	-3.493E+02	7.024E-18	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06
211	3	34.50	1	-5.070E-12	7.671E+02	2.329E+02	-1.325E-15	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
211	3	34.50	2	5.070E-12	7.671E+02	-2.329E+02	7.024E-18	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
211	4	51.75	1	-5.070E-12	3.836E+02	1.164E+02	-1.325E-15	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
211	4	51.75	2	5.070E-12	3.836E+02	-1.164E+02	7.024E-18	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06
211	5	69.00	1	-5.070E-12	2.427E-09	6.426E-08	-1.325E-15	-3.719E-06	8.135E-08	4.930E-13	2.058E-13
211	5	69.00	2	5.070E-12	-1.950E-09	-6.426E-08	7.024E-18	3.719E-06	-1.592E-07	4.930E-13	-2.058E-13
212	1	0.00	1	-1.118E-08	1.534E+03	2.585E-08	1.004E-15	-7.153E-07	-5.293E+04	0.000E+00	0.000E+00
212	1	0.00	2	1.117E-08	1.534E+03	-2.584E-08	1.004E-15	7.152E-07	-5.293E+04	0.000E+00	0.000E+00
212	2	17.25	1	-1.118E-08	1.151E+03	2.585E-08	1.004E-15	-1.161E-06	-2.977E+04	-1.210E-05	-1.758E-16
212	2	17.25	2	1.117E-08	1.151E+03	-2.584E-08	1.004E-15	1.161E-06	-2.977E+04	-1.210E-05	1.758E-16
212	3	34.50	1	-1.118E-08	7.671E+02	2.585E-08	1.004E-15	-1.607E-06	-1.323E+04	-1.648E-05	-2.583E-16
212	3	34.50	2	1.117E-08	7.671E+02	-2.584E-08	1.004E-15	1.607E-06	-1.323E+04	-1.648E-05	2.583E-16
212	4	51.75	1	-1.118E-08	3.836E+02	2.585E-08	1.004E-15	-2.053E-06	-3.308E+03	-1.256E-05	-2.116E-16
212	4	51.75	2	1.117E-08	3.836E+02	-2.584E-08	1.004E-15	2.052E-06	-3.308E+03	-1.256E-05	2.116E-16
212	5	69.00	1	-1.118E-08	1.512E-10	2.585E-08	1.004E-15	-2.499E-06	1.237E-07	4.930E-13	7.217E-24
212	5	69.00	2	1.117E-08	1.731E-10	-2.584E-08	1.004E-15	2.498E-06	1.252E-07	4.930E-13	-7.217E-24
213	1	0.00	1	1.392E-09	1.119E-09	-4.374E-11	0.000E+00	1.117E-08	8.668E-08	0.000E+00	0.000E+00
213	1	0.00	2	-1.402E-09	-1.217E-09	4.357E-11	0.000E+00	-1.118E-08	8.668E-08	0.000E+00	0.000E+00
213	2	17.25	1	1.392E-09	-3.836E+02	-1.164E+02	0.000E+00	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
213	2	17.25	2	-1.402E-09	-3.836E+02	1.164E+02	0.000E+00	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06
213	3	34.50	1	1.392E-09	-7.671E+02	-2.329E+02	0.000E+00	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
213	3	34.50	2	-1.402E-09	-7.671E+02	2.329E+02	0.000E+00	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
213	4	51.75	1	1.392E-09	-1.151E+03	-3.493E+02	0.000E+00	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
213	4	51.75	2	-1.402E-09	-1.151E+03	3.493E+02	0.000E+00	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06
213	5	69.00	1	1.392E-09	-1.534E+03	-4.658E+02	0.000E+00	1.607E+04	-5.293E+04	9.754E-15	5.111E-15
213	5	69.00	2	-1.402E-09	-1.534E+03	4.658E+02	0.000E+00	-1.607E+04	-5.293E+04	9.754E-15	-5.111E-15
214	1	0.00	1	-1.403E-09	-1.583E-10	1.311E-10	0.000E+00	1.117E-08	1.534E-07	0.000E+00	0.000E+00
214	1	0.00	2	1.391E-09	-1.365E-10	-1.309E-10	0.000E+00	-1.118E-08	1.422E-07	0.000E+00	0.000E+00
214	2	17.25	1	-1.403E-09	-3.836E+02	1.311E-10	0.000E+00	8.913E-09	-3.308E+03	-1.256E-05	8.934E-19
214	2	17.25	2	1.391E-09	-3.836E+02	-1.309E-10	0.000E+00	-8.921E-09	-3.308E+03	-1.256E-05	-8.934E-19
214	3	34.50	1	-1.403E-09	-7.671E+02	1.311E-10	0.000E+00	6.652E-09	-1.323E+04	-1.648E-05	1.070E-18
214	3	34.50	2	1.391E-09	-7.671E+02	-1.309E-10	0.000E+00	-6.663E-09	-1.323E+04	-1.648E-05	-1.070E-18
214	4	51.75	1	-1.403E-09	-1.151E+03	1.311E-10	0.000E+00	4.391E-09	-2.977E+04	-1.210E-05	7.119E-19
214	4	51.75	2	1.391E-09	-1.151E+03	-1.309E-10	0.000E+00	-4.406E-09	-2.977E+04	-1.210E-05	-7.119E-19
214	5	69.00	1	-1.403E-09	-1.534E+03	1.311E-10	0.000E+00	2.130E-09	-5.293E+04	9.744E-15	-1.486E-25
214	5	69.00	2	1.391E-09	-1.534E+03	-1.309E-10	0.000E+00	-2.148E-09	-5.293E+04	9.744E-15	1.486E-25

215	1	0.00	1	1.403E+04	6.075E+04	-6.882E+01	1.730E-01	-2.128E+06	-5.232E+04	0.000E+00	0.000E+00
215	1	0.00	2	-1.416E+04	6.075E+04	6.149E+01	1.706E-01	2.128E+06	-5.354E+04	0.000E+00	0.000E+00
215	2	45.25	1	1.403E+04	5.974E+04	-3.743E+02	1.730E-01	-2.118E+06	2.674E+06	-1.698E-03	-1.769E-03
215	2	45.25	2	-1.416E+04	5.975E+04	3.669E+02	1.706E-01	2.119E+06	2.673E+06	-1.697E-03	1.769E-03
215	3	90.50	1	1.403E+04	5.874E+04	-6.797E+02	1.730E-01	-2.095E+06	5.354E+06	-2.692E-03	-2.348E-03
215	3	90.50	2	-1.416E+04	5.874E+04	6.724E+02	1.706E-01	2.095E+06	5.353E+06	-2.692E-03	2.349E-03
215	4	135.75	1	1.403E+04	5.773E+04	-9.851E+02	1.730E-01	-2.057E+06	7.989E+06	-2.338E-03	-1.752E-03
215	4	135.75	2	-1.416E+04	5.773E+04	9.778E+02	1.706E-01	2.058E+06	7.989E+06	-2.337E-03	1.752E-03
215	5	181.00	1	1.403E+04	5.672E+04	-1.291E+03	1.730E-01	-2.005E+06	1.058E+07	-5.348E-11	2.197E-10
215	5	181.00	2	-1.416E+04	5.673E+04	1.283E+03	1.706E-01	2.007E+06	1.058E+07	-5.350E-11	-2.198E-10
216	1	0.00	1	-1.416E+04	6.075E+04	-3.969E+02	-1.706E-01	-2.146E+06	-5.354E+04	0.000E+00	0.000E+00
216	1	0.00	2	1.403E+04	6.075E+04	4.043E+02	-1.731E-01	2.146E+06	-5.232E+04	0.000E+00	0.000E+00
216	2	45.25	1	-1.416E+04	5.975E+04	-3.969E+02	-1.706E-01	-2.128E+06	2.673E+06	-1.697E-03	-1.756E-03
216	2	45.25	2	1.403E+04	5.974E+04	4.043E+02	-1.731E-01	2.128E+06	2.674E+06	-1.698E-03	1.755E-03
216	3	90.50	1	-1.416E+04	5.874E+04	-3.969E+02	-1.706E-01	-2.110E+06	5.353E+06	-2.692E-03	-2.334E-03
216	3	90.50	2	1.403E+04	5.874E+04	4.043E+02	-1.731E-01	2.110E+06	5.354E+06	-2.692E-03	2.334E-03
216	4	135.75	1	-1.416E+04	5.773E+04	-3.969E+02	-1.706E-01	-2.092E+06	7.989E+06	-2.337E-03	-1.746E-03
216	4	135.75	2	1.403E+04	5.773E+04	4.043E+02	-1.731E-01	2.092E+06	7.989E+06	-2.338E-03	1.745E-03
216	5	181.00	1	-1.416E+04	5.673E+04	-3.969E+02	-1.706E-01	-2.074E+06	1.058E+07	-5.350E-11	-1.433E-10
216	5	181.00	2	1.403E+04	5.672E+04	4.043E+02	-1.731E-01	2.073E+06	1.058E+07	-5.348E-11	1.433E-10
217	1	0.00	1	1.856E+04	4.579E+04	-6.738E+01	2.919E-02	-2.691E+06	1.058E+07	0.000E+00	0.000E+00
217	1	0.00	2	-1.865E+04	4.579E+04	6.964E+01	2.742E-02	2.692E+06	1.058E+07	0.000E+00	0.000E+00
217	2	127.25	1	1.856E+04	4.296E+04	-9.263E+02	2.919E-02	-2.628E+06	1.623E+07	-5.687E-02	-1.652E-02
217	2	127.25	2	-1.864E+04	4.296E+04	9.286E+02	2.742E-02	2.629E+06	1.623E+07	-5.687E-02	1.652E-02
217	3	254.50	1	1.856E+04	4.013E+04	-1.785E+03	2.919E-02	-2.455E+06	2.151E+07	-8.243E-02	-2.144E-02
217	3	254.50	2	-1.864E+04	4.013E+04	1.788E+03	2.742E-02	2.456E+06	2.151E+07	-8.243E-02	2.145E-02
217	4	381.75	1	1.857E+04	3.730E+04	-2.644E+03	2.919E-02	-2.173E+06	2.644E+07	-6.660E-02	-1.553E-02
217	4	381.75	2	-1.864E+04	3.730E+04	2.646E+03	2.742E-02	2.174E+06	2.644E+07	-6.660E-02	1.553E-02
217	5	509.00	1	1.857E+04	3.447E+04	-3.503E+03	2.919E-02	-1.782E+06	3.101E+07	-7.789E-10	1.480E-09
217	5	509.00	2	-1.864E+04	3.448E+04	3.505E+03	2.742E-02	1.782E+06	3.101E+07	-7.785E-10	-1.481E-09
218	1	0.00	1	-1.865E+04	4.579E+04	-1.620E+03	-2.742E-02	-2.761E+06	1.058E+07	0.000E+00	0.000E+00
218	1	0.00	2	1.856E+04	4.579E+04	1.618E+03	-2.919E-02	2.760E+06	1.058E+07	0.000E+00	0.000E+00
218	2	127.25	1	-1.864E+04	4.296E+04	-1.620E+03	-2.742E-02	-2.554E+06	1.623E+07	-5.687E-02	-1.586E-02
218	2	127.25	2	1.856E+04	4.296E+04	1.618E+03	-2.919E-02	2.554E+06	1.623E+07	-5.687E-02	1.585E-02
218	3	254.50	1	-1.864E+04	4.013E+04	-1.620E+03	-2.742E-02	-2.348E+06	2.151E+07	-8.243E-02	-2.054E-02
218	3	254.50	2	1.856E+04	4.013E+04	1.618E+03	-2.919E-02	2.348E+06	2.151E+07	-8.243E-02	2.054E-02
218	4	381.75	1	-1.864E+04	3.730E+04	-1.620E+03	-2.742E-02	-2.142E+06	2.644E+07	-6.660E-02	-1.496E-02
218	4	381.75	2	1.857E+04	3.730E+04	1.618E+03	-2.919E-02	2.142E+06	2.644E+07	-6.660E-02	1.495E-02
218	5	509.00	1	-1.864E+04	3.448E+04	-1.620E+03	-2.742E-02	-1.936E+06	3.101E+07	-7.785E-10	-1.220E-09
218	5	509.00	2	1.857E+04	3.447E+04	1.618E+03	-2.919E-02	1.936E+06	3.101E+07	-7.789E-10	1.221E-09
219	1	0.00	1	2.427E+04	2.021E+04	-1.690E+03	1.501E-02	-2.648E+06	3.101E+07	0.000E+00	0.000E+00
219	1	0.00	2	-2.431E+04	2.021E+04	1.696E+03	1.324E-02	2.648E+06	3.101E+07	0.000E+00	0.000E+00
219	2	127.50	1	2.427E+04	1.737E+04	-2.551E+03	1.501E-02	-2.378E+06	3.340E+07	-1.001E-01	-1.403E-02
219	2	127.50	2	-2.431E+04	1.737E+04	2.557E+03	1.324E-02	2.377E+06	3.340E+07	-1.001E-01	1.402E-02
219	3	255.00	1	2.428E+04	1.364E+04	-3.412E+03	1.501E-02	-1.998E+06	3.544E+07	-1.360E-01	-1.751E-02
219	3	255.00	2	-2.430E+04	1.364E+04	3.418E+03	1.324E-02	1.996E+06	3.544E+07	-1.360E-01	1.749E-02
219	4	382.50	1	2.428E+04	1.080E+04	-4.272E+03	1.501E-02	-1.508E+06	3.699E+07	-1.036E-01	-1.212E-02
219	4	382.50	2	-2.430E+04	1.080E+04	4.278E+03	1.324E-02	1.505E+06	3.699E+07	-1.036E-01	1.210E-02
219	5	510.00	1	2.428E+04	7.965E+03	-5.133E+03	1.501E-02	-9.083E+05	3.819E+07	-2.509E-09	3.118E-09
219	5	510.00	2	-2.430E+04	7.968E+03	5.139E+03	1.324E-02	9.049E+05	3.819E+07	-2.509E-09	-3.119E-09
220	1	0.00	1	-2.431E+04	2.021E+04	-3.433E+03	-1.324E-02	-2.801E+06	3.101E+07	0.000E+00	0.000E+00
220	1	0.00	2	2.427E+04	2.021E+04	3.427E+03	-1.501E-02	2.802E+06	3.101E+07	0.000E+00	0.000E+00
220	2	127.50	1	-2.431E+04	1.737E+04	-3.433E+03	-1.324E-02	-2.364E+06	3.340E+07	-1.001E-01	-1.365E-02
220	2	127.50	2	2.427E+04	1.737E+04	3.427E+03	-1.501E-02	2.365E+06	3.340E+07	-1.001E-01	1.366E-02
220	3	255.00	1	-2.430E+04	1.364E+04	-3.433E+03	-1.324E-02	-1.926E+06	3.544E+07	-1.360E-01	-1.692E-02
220	3	255.00	2	2.428E+04	1.364E+04	3.427E+03	-1.501E-02	1.928E+06	3.544E+07	-1.360E-01	1.693E-02
220	4	382.50	1	-2.430E+04	1.080E+04	-3.433E+03	-1.324E-02	-1.488E+06	3.699E+07	-1.036E-01	-1.173E-02
220	4	382.50	2	2.428E+04	1.080E+04	3.427E+03	-1.501E-02	1.491E+06	3.699E+07	-1.036E-01	1.174E-02
220	5	510.00	1	-2.430E+04	7.968E+03	-3.433E+03	-1.324E-02	-1.051E+06	3.819E+07	-2.509E-09	3.188E-09
220	5	510.00	2	2.428E+04	7.965E+03	3.427E+03	-1.501E-02	1.054E+06	3.819E+07	-2.509E-09	-3.187E-09
221	1	0.00	1	3.100E+04	-7.968E+03	-3.490E+03	-1.329E-02	-1.929E+06	3.819E+07	0.000E+00	0.000E+00
221	1	0.00	2	-3.099E+04	-7.965E+03	3.371E+03	-1.496E-02	1.925E+06	3.819E+07	0.000E+00	0.000E+00

221	2	127.50	1	3.101E+04	-1.080E+04	-4.351E+03	-1.329E-02	-1.429E+06	3.699E+07	-1.036E-01	-6.770E-03
221	2	127.50	2	-3.098E+04	-1.080E+04	4.232E+03	-1.496E-02	1.441E+06	3.699E+07	-1.036E-01	6.912E-03
221	3	255.00	1	3.101E+04	-1.454E+04	-5.212E+03	-1.329E-02	-8.194E+05	3.544E+07	-1.360E-01	-7.161E-03
221	3	255.00	2	-3.098E+04	-1.454E+04	5.093E+03	-1.496E-02	8.461E+05	3.544E+07	-1.360E-01	7.396E-03
221	4	382.50	1	3.101E+04	-1.737E+04	-6.072E+03	-1.329E-02	-1.001E+05	3.340E+07	-1.001E-01	-3.852E-03
221	4	382.50	2	-3.098E+04	-1.737E+04	5.953E+03	-1.496E-02	1.420E+05	3.340E+07	-1.001E-01	4.061E-03
221	5	510.00	1	3.101E+04	-2.021E+04	-6.933E+03	-1.329E-02	7.290E+05	3.100E+07	3.445E-09	1.780E-09
221	5	510.00	2	-3.098E+04	-2.021E+04	6.814E+03	-1.496E-02	-6.719E+05	3.101E+07	3.445E-09	-1.778E-09
222	1	0.00	1	-3.099E+04	-7.965E+03	-5.075E+03	1.496E-02	-2.071E+06	3.819E+07	0.000E+00	0.000E+00
222	1	0.00	2	3.100E+04	-7.968E+03	5.194E+03	1.329E-02	2.075E+06	3.819E+07	0.000E+00	0.000E+00
222	2	127.50	1	-3.098E+04	-1.080E+04	-5.075E+03	1.496E-02	-1.424E+06	3.699E+07	-1.036E-01	-6.537E-03
222	2	127.50	2	3.101E+04	-1.080E+04	5.194E+03	1.329E-02	1.412E+06	3.699E+07	-1.036E-01	6.395E-03
222	3	255.00	1	-3.098E+04	-1.454E+04	-5.075E+03	1.496E-02	-7.768E+05	3.544E+07	-1.360E-01	-6.822E-03
222	3	255.00	2	3.101E+04	-1.454E+04	5.194E+03	1.329E-02	7.501E+05	3.544E+07	-1.360E-01	6.587E-03
222	4	382.50	1	-3.098E+04	-1.737E+04	-5.075E+03	1.496E-02	-1.297E+05	3.340E+07	-1.001E-01	-3.696E-03
222	4	382.50	2	3.101E+04	-1.737E+04	5.194E+03	1.329E-02	8.779E+04	3.340E+07	-1.001E-01	3.486E-03
222	5	510.00	1	-3.098E+04	-2.021E+04	-5.075E+03	1.496E-02	5.175E+05	3.101E+07	3.445E-09	-8.024E-10
222	5	510.00	2	3.101E+04	-2.021E+04	5.194E+03	1.329E-02	-5.745E+05	3.100E+07	3.445E-09	8.004E-10
223	1	0.00	1	3.826E+04	-3.448E+04	-4.562E+03	-2.756E-02	-3.716E+05	3.101E+07	0.000E+00	0.000E+00
223	1	0.00	2	-3.819E+04	-3.447E+04	5.547E+03	-2.906E-02	4.290E+05	3.101E+07	0.000E+00	0.000E+00
223	2	127.25	1	3.826E+04	-3.730E+04	-5.421E+03	-2.756E-02	2.635E+05	2.644E+07	-6.659E-02	4.951E-03
223	2	127.25	2	-3.819E+04	-3.730E+04	6.406E+03	-2.906E-02	-3.315E+05	2.644E+07	-6.660E-02	-5.945E-03
223	3	254.50	1	3.827E+04	-4.013E+04	-6.280E+03	-2.756E-02	1.008E+06	2.151E+07	-8.242E-02	8.851E-03
223	3	254.50	2	-3.819E+04	-4.013E+04	7.265E+03	-2.906E-02	-1.201E+06	2.151E+07	-8.243E-02	-1.054E-02
223	4	381.75	1	3.827E+04	-4.296E+04	-7.139E+03	-2.756E-02	1.862E+06	1.622E+07	-5.687E-02	8.446E-03
223	4	381.75	2	-3.819E+04	-4.296E+04	8.124E+03	-2.906E-02	-2.180E+06	1.623E+07	-5.688E-02	-9.988E-03
223	5	509.00	1	3.827E+04	-4.579E+04	-7.997E+03	-2.756E-02	2.825E+06	1.058E+07	-1.328E-08	1.015E-10
223	5	509.00	2	-3.818E+04	-4.579E+04	8.983E+03	-2.906E-02	-3.269E+06	1.058E+07	-1.328E-08	-1.094E-10
224	1	0.00	1	-3.819E+04	-3.447E+04	-7.447E+03	2.905E-02	-5.836E+05	3.101E+07	0.000E+00	0.000E+00
224	1	0.00	2	3.826E+04	-3.448E+04	6.461E+03	2.756E-02	5.261E+05	3.101E+07	0.000E+00	0.000E+00
224	2	127.25	1	-3.819E+04	-3.730E+04	-7.447E+03	2.905E-02	3.640E+05	2.644E+07	-6.660E-02	6.533E-03
224	2	127.25	2	3.826E+04	-3.730E+04	6.461E+03	2.756E-02	-2.961E+05	2.644E+07	-6.659E-02	-5.539E-03
224	3	254.50	1	-3.819E+04	-4.013E+04	-7.447E+03	2.905E-02	1.312E+06	2.151E+07	-8.243E-02	1.147E-02
224	3	254.50	2	3.827E+04	-4.013E+04	6.461E+03	2.756E-02	-1.118E+06	2.151E+07	-8.242E-02	-9.782E-03
224	4	381.75	1	-3.819E+04	-4.296E+04	-7.447E+03	2.905E-02	2.259E+06	1.623E+07	-5.688E-02	1.068E-02
224	4	381.75	2	3.827E+04	-4.296E+04	6.461E+03	2.756E-02	-1.940E+06	1.622E+07	-5.687E-02	-9.135E-03
224	5	509.00	1	-3.818E+04	-4.579E+04	-7.447E+03	2.905E-02	3.207E+06	1.058E+07	-1.328E-08	3.521E-10
224	5	509.00	2	3.827E+04	-4.579E+04	6.461E+03	2.756E-02	-2.763E+06	1.058E+07	-1.328E-08	-3.442E-10
225	1	0.00	1	4.520E+04	-5.672E+04	-8.591E+03	-1.717E-01	1.770E+06	1.058E+07	0.000E+00	0.000E+00
225	1	0.00	2	-4.508E+04	-5.673E+04	6.004E+03	-1.719E-01	-2.218E+06	1.058E+07	0.000E+00	0.000E+00
225	2	45.25	1	4.521E+04	-5.773E+04	-8.897E+03	-1.717E-01	2.166E+06	7.988E+06	-2.337E-03	1.999E-03
225	2	45.25	2	-4.508E+04	-5.774E+04	6.309E+03	-1.719E-01	-2.497E+06	7.990E+06	-2.338E-03	-2.208E-03
225	3	90.50	1	4.521E+04	-5.873E+04	-9.202E+03	-1.717E-01	2.575E+06	5.353E+06	-2.691E-03	2.817E-03
225	3	90.50	2	-4.508E+04	-5.874E+04	6.615E+03	-1.719E-01	-2.789E+06	5.355E+06	-2.692E-03	-3.054E-03
225	4	135.75	1	4.521E+04	-5.974E+04	-9.508E+03	-1.717E-01	2.998E+06	2.672E+06	-1.697E-03	2.229E-03
225	4	135.75	2	-4.508E+04	-5.975E+04	6.920E+03	-1.719E-01	-3.095E+06	2.674E+06	-1.698E-03	-2.374E-03
225	5	181.00	1	4.521E+04	-6.074E+04	-9.813E+03	-1.717E-01	3.436E+06	-5.346E+04	-8.947E-10	4.821E-10
225	5	181.00	2	-4.507E+04	-6.076E+04	7.226E+03	-1.719E-01	-3.415E+06	-5.241E+04	-8.948E-10	-4.254E-10
226	1	0.00	1	-4.508E+04	-5.673E+04	-6.853E+03	1.719E-01	2.157E+06	1.058E+07	0.000E+00	0.000E+00
226	1	0.00	2	4.520E+04	-5.672E+04	9.440E+03	1.717E-01	-1.709E+06	1.058E+07	0.000E+00	0.000E+00
226	2	45.25	1	-4.508E+04	-5.774E+04	-6.853E+03	1.719E-01	2.467E+06	7.990E+06	-2.338E-03	2.218E-03
226	2	45.25	2	4.521E+04	-5.773E+04	9.440E+03	1.717E-01	-2.136E+06	7.988E+06	-2.337E-03	-2.008E-03
226	3	90.50	1	-4.508E+04	-5.874E+04	-6.853E+03	1.719E-01	2.777E+06	5.355E+06	-2.692E-03	3.072E-03
226	3	90.50	2	4.521E+04	-5.873E+04	9.440E+03	1.717E-01	-2.563E+06	5.353E+06	-2.691E-03	-2.835E-03
226	4	135.75	1	-4.508E+04	-5.975E+04	-6.853E+03	1.719E-01	3.087E+06	2.674E+06	-1.698E-03	2.390E-03
226	4	135.75	2	4.521E+04	-5.974E+04	9.440E+03	1.717E-01	-2.990E+06	2.672E+06	-1.697E-03	-2.244E-03
226	5	181.00	1	-4.507E+04	-6.076E+04	-6.853E+03	1.719E-01	3.397E+06	-5.241E+04	-8.948E-10	3.374E-10
226	5	181.00	2	4.521E+04	-6.074E+04	9.440E+03	1.717E-01	-3.417E+06	-5.346E+04	-8.947E-10	-3.941E-10
227	1	0.00	1	-2.224E+00	1.534E+03	4.658E+02	1.205E-10	1.607E+04	-5.293E+04	0.000E+00	0.000E+00
227	1	0.00	2	-2.224E+00	1.534E+03	-4.658E+02	-1.238E-10	-1.607E+04	-5.293E+04	0.000E+00	0.000E+00
227	2	17.25	1	-1.668E+00	1.151E+03	3.493E+02	1.205E-10	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
227	2	17.25	2	-1.668E+00	1.151E+03	-3.493E+02	-1.238E-10	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06

227	3	34.50	1	-1.112E+00	7.671E+02	2.329E+02	1.205E-10	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
227	3	34.50	2	-1.112E+00	7.671E+02	-2.329E+02	-1.238E-10	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
227	4	51.75	1	-5.559E-01	3.836E+02	1.164E+02	1.205E-10	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
227	4	51.75	2	-5.559E-01	3.836E+02	-1.164E+02	-1.238E-10	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06
227	5	69.00	1	-6.579E-09	2.204E-09	-5.460E-09	1.205E-10	3.653E-08	-8.704E-08	2.092E-13	-3.649E-13
227	5	69.00	2	6.463E-09	-1.463E-09	5.874E-09	-1.238E-10	-4.369E-08	-1.389E-07	2.092E-13	3.649E-13
228	1	0.00	1	-2.224E+00	1.534E+03	-4.101E-10	-2.448E-10	5.231E-08	-5.293E+04	0.000E+00	0.000E+00
228	1	0.00	2	-2.224E+00	1.534E+03	5.066E-10	2.481E-10	-5.386E-08	-5.293E+04	0.000E+00	0.000E+00
228	2	17.25	1	-1.668E+00	1.151E+03	-4.101E-10	-2.448E-10	5.938E-08	-2.977E+04	-1.210E-05	7.764E-18
228	2	17.25	2	-1.668E+00	1.151E+03	5.066E-10	2.481E-10	-6.260E-08	-2.977E+04	-1.210E-05	-8.214E-18
228	3	34.50	1	-1.112E+00	7.671E+02	-4.101E-10	-2.448E-10	6.646E-08	-1.323E+04	-1.648E-05	1.078E-17
228	3	34.50	2	-1.112E+00	7.671E+02	5.066E-10	2.481E-10	-7.134E-08	-1.323E+04	-1.648E-05	-1.138E-17
228	4	51.75	1	-5.559E-01	3.836E+02	-4.101E-10	-2.448E-10	7.353E-08	-3.308E+03	-1.256E-05	8.399E-18
228	4	51.75	2	-5.559E-01	3.836E+02	5.066E-10	2.481E-10	-8.008E-08	-3.308E+03	-1.256E-05	-8.851E-18
228	5	69.00	1	-3.386E-09	-3.869E-09	-4.101E-10	-2.448E-10	8.061E-08	-5.124E-08	2.092E-13	-2.692E-25
228	5	69.00	2	3.571E-09	3.028E-09	5.066E-10	2.481E-10	-8.882E-08	1.174E-07	2.092E-13	2.378E-25
229	1	0.00	1	1.697E-09	-9.598E-10	1.164E-11	-7.245E-11	-8.399E-08	1.311E-07	0.000E+00	0.000E+00
229	1	0.00	2	-1.698E-09	1.048E-09	-1.573E-11	7.287E-11	8.410E-08	9.197E-08	0.000E+00	0.000E+00
229	2	17.25	1	5.559E-01	-3.836E+02	-1.164E+02	-7.245E-11	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
229	2	17.25	2	5.559E-01	-3.836E+02	1.164E+02	7.287E-11	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06
229	3	34.50	1	1.112E+00	-7.671E+02	-2.329E+02	-7.245E-11	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
229	3	34.50	2	1.112E+00	-7.671E+02	2.329E+02	7.287E-11	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
229	4	51.75	1	1.668E+00	-1.151E+03	-3.493E+02	-7.245E-11	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
229	4	51.75	2	1.668E+00	-1.151E+03	3.493E+02	7.287E-11	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06
229	5	69.00	1	2.224E+00	-1.534E+03	-4.658E+02	-7.245E-11	1.607E+04	-5.293E+04	-1.808E-14	-3.434E-15
229	5	69.00	2	2.224E+00	-1.534E+03	4.658E+02	7.287E-11	-1.607E+04	-5.293E+04	-1.808E-14	3.434E-15
230	1	0.00	1	8.269E-10	2.884E-10	2.091E-09	-7.315E-11	-8.943E-08	3.590E-08	0.000E+00	0.000E+00
230	1	0.00	2	-8.320E-10	1.356E-10	-2.100E-09	7.273E-11	8.938E-08	7.502E-08	0.000E+00	0.000E+00
230	2	17.25	1	5.559E-01	-3.836E+02	2.091E-09	-7.315E-11	-1.255E-07	-3.308E+03	-1.256E-05	-1.804E-17
230	2	17.25	2	5.559E-01	-3.836E+02	-2.100E-09	7.273E-11	1.256E-07	-3.308E+03	-1.256E-05	1.804E-17
230	3	34.50	1	1.112E+00	-7.671E+02	2.091E-09	-7.315E-11	-1.616E-07	-1.323E+04	-1.648E-05	-2.599E-17
230	3	34.50	2	1.112E+00	-7.671E+02	-2.100E-09	7.273E-11	1.618E-07	-1.323E+04	-1.648E-05	2.599E-17
230	4	51.75	1	1.668E+00	-1.151E+03	2.091E-09	-7.315E-11	-1.976E-07	-2.977E+04	-1.210E-05	-2.095E-17
230	4	51.75	2	1.668E+00	-1.151E+03	-2.100E-09	7.273E-11	1.981E-07	-2.977E+04	-1.210E-05	2.095E-17
230	5	69.00	1	2.224E+00	-1.534E+03	2.091E-09	-7.315E-11	-2.337E-07	-5.293E+04	-1.809E-14	2.146E-24
230	5	69.00	2	2.224E+00	-1.534E+03	-2.100E-09	7.273E-11	2.343E-07	-5.293E+04	-1.809E-14	-2.146E-24
231	1	0.00	1	4.507E+04	6.076E+04	9.833E+03	1.695E-01	3.436E+06	-5.421E+04	0.000E+00	0.000E+00
231	1	0.00	2	-4.521E+04	6.074E+04	-7.205E+03	1.741E-01	-3.415E+06	-5.166E+04	0.000E+00	0.000E+00
231	2	45.25	1	4.508E+04	5.975E+04	9.528E+03	1.695E-01	2.998E+06	2.672E+06	-1.697E-03	2.228E-03
231	2	45.25	2	-4.521E+04	5.974E+04	-6.900E+03	1.741E-01	-3.096E+06	2.674E+06	-1.698E-03	-2.375E-03
231	3	90.50	1	4.508E+04	5.875E+04	9.222E+03	1.695E-01	2.573E+06	5.353E+06	-2.692E-03	2.815E-03
231	3	90.50	2	-4.521E+04	5.873E+04	-6.595E+03	1.741E-01	-2.791E+06	5.354E+06	-2.692E-03	-3.056E-03
231	4	135.75	1	4.508E+04	5.774E+04	8.917E+03	1.695E-01	2.163E+06	7.989E+06	-2.337E-03	1.997E-03
231	4	135.75	2	-4.521E+04	5.772E+04	-6.289E+03	1.741E-01	-2.499E+06	7.989E+06	-2.338E-03	-2.210E-03
231	5	181.00	1	4.508E+04	5.673E+04	8.611E+03	1.695E-01	1.766E+06	1.058E+07	-1.546E-10	4.472E-10
231	5	181.00	2	-4.520E+04	5.672E+04	-5.984E+03	1.741E-01	-2.222E+06	1.058E+07	-1.547E-10	-4.517E-10
232	1	0.00	1	-4.521E+04	6.074E+04	6.833E+03	-1.741E-01	3.397E+06	-5.166E+04	0.000E+00	0.000E+00
232	1	0.00	2	4.507E+04	6.076E+04	-9.460E+03	-1.695E-01	-3.417E+06	-5.421E+04	0.000E+00	0.000E+00
232	2	45.25	1	-4.521E+04	5.974E+04	6.833E+03	-1.741E-01	3.088E+06	2.674E+06	-1.698E-03	2.391E-03
232	2	45.25	2	4.508E+04	5.975E+04	-9.460E+03	-1.695E-01	-2.989E+06	2.672E+06	-1.697E-03	-2.243E-03
232	3	90.50	1	-4.521E+04	5.873E+04	6.833E+03	-1.741E-01	2.779E+06	5.354E+06	-2.692E-03	3.074E-03
232	3	90.50	2	4.508E+04	5.875E+04	-9.460E+03	-1.695E-01	-2.561E+06	5.353E+06	-2.692E-03	-2.833E-03
232	4	135.75	1	-4.521E+04	5.772E+04	6.833E+03	-1.741E-01	2.470E+06	7.989E+06	-2.338E-03	2.220E-03
232	4	135.75	2	4.508E+04	5.774E+04	-9.460E+03	-1.695E-01	-2.133E+06	7.989E+06	-2.337E-03	-2.006E-03
232	5	181.00	1	-4.520E+04	5.672E+04	6.833E+03	-1.741E-01	2.160E+06	1.058E+07	-1.547E-10	1.697E-10
232	5	181.00	2	4.508E+04	5.673E+04	-9.460E+03	-1.695E-01	-1.705E+06	1.058E+07	-1.546E-10	-1.652E-10
233	1	0.00	1	3.818E+04	4.579E+04	7.989E+03	2.660E-02	2.821E+06	1.058E+07	0.000E+00	0.000E+00
233	1	0.00	2	-3.827E+04	4.579E+04	-8.991E+03	3.001E-02	-3.272E+06	1.058E+07	0.000E+00	0.000E+00
233	2	127.25	1	3.819E+04	4.296E+04	7.130E+03	2.660E-02	1.859E+06	1.623E+07	-5.687E-02	8.433E-03
233	2	127.25	2	-3.827E+04	4.296E+04	-8.132E+03	3.001E-02	-2.183E+06	1.623E+07	-5.687E-02	-1.000E-02
233	3	254.50	1	3.819E+04	4.013E+04	6.271E+03	2.660E-02	1.006E+06	2.151E+07	-8.243E-02	8.837E-03
233	3	254.50	2	-3.827E+04	4.013E+04	-7.273E+03	3.001E-02	-1.203E+06	2.151E+07	-8.243E-02	-1.056E-02

233	4	381.75	1	3.819E+04	3.730E+04	5.412E+03	2.660E-02	2.631E+05	2.644E+07	-6.660E-02	4.943E-03
233	4	381.75	2	-3.826E+04	3.730E+04	-6.414E+03	3.001E-02	-3.320E+05	2.644E+07	-6.660E-02	-5.952E-03
233	5	509.00	1	3.819E+04	3.448E+04	4.553E+03	2.660E-02	-3.710E+05	3.101E+07	-1.436E-09	-2.105E-09
233	5	509.00	2	-3.826E+04	3.447E+04	-5.555E+03	3.001E-02	4.296E+05	3.101E+07	-1.436E-09	1.914E-09
234	1	0.00	1	-3.827E+04	4.579E+04	7.455E+03	-3.001E-02	3.210E+06	1.058E+07	0.000E+00	0.000E+00
234	1	0.00	2	3.818E+04	4.579E+04	-6.453E+03	-2.660E-02	-2.759E+06	1.058E+07	0.000E+00	0.000E+00
234	2	127.25	1	-3.827E+04	4.296E+04	7.455E+03	-3.001E-02	2.262E+06	1.623E+07	-5.687E-02	1.069E-02
234	2	127.25	2	3.819E+04	4.296E+04	-6.453E+03	-2.660E-02	-1.938E+06	1.623E+07	-5.687E-02	-9.122E-03
234	3	254.50	1	-3.827E+04	4.013E+04	7.455E+03	-3.001E-02	1.313E+06	2.151E+07	-8.243E-02	1.149E-02
234	3	254.50	2	3.819E+04	4.013E+04	-6.453E+03	-2.660E-02	-1.117E+06	2.151E+07	-8.243E-02	-9.769E-03
234	4	381.75	1	-3.826E+04	3.730E+04	7.455E+03	-3.001E-02	3.645E+05	2.644E+07	-6.660E-02	6.540E-03
234	4	381.75	2	3.819E+04	3.730E+04	-6.453E+03	-2.660E-02	-2.956E+05	2.644E+07	-6.660E-02	-5.531E-03
234	5	509.00	1	-3.826E+04	3.447E+04	7.455E+03	-3.001E-02	-5.842E+05	3.101E+07	-1.436E-09	2.371E-09
234	5	509.00	2	3.819E+04	3.448E+04	-6.453E+03	-2.660E-02	5.256E+05	3.101E+07	-1.436E-09	-2.180E-09
235	1	0.00	1	3.098E+04	2.021E+04	6.933E+03	1.247E-02	7.294E+05	3.101E+07	0.000E+00	0.000E+00
235	1	0.00	2	-3.101E+04	2.021E+04	-6.813E+03	1.578E-02	-6.715E+05	3.101E+07	0.000E+00	0.000E+00
235	2	127.50	1	3.098E+04	1.737E+04	6.073E+03	1.247E-02	-9.979E+04	3.340E+07	-1.001E-01	-3.850E-03
235	2	127.50	2	-3.101E+04	1.737E+04	-5.953E+03	1.578E-02	1.423E+05	3.340E+07	-1.001E-01	4.063E-03
235	3	255.00	1	3.098E+04	1.364E+04	5.212E+03	1.247E-02	-8.192E+05	3.544E+07	-1.360E-01	-7.159E-03
235	3	255.00	2	-3.101E+04	1.364E+04	-5.092E+03	1.578E-02	8.464E+05	3.544E+07	-1.360E-01	7.398E-03
235	4	382.50	1	3.098E+04	1.080E+04	4.352E+03	1.247E-02	-1.429E+06	3.699E+07	-1.036E-01	-6.768E-03
235	4	382.50	2	-3.101E+04	1.080E+04	-4.231E+03	1.578E-02	1.441E+06	3.699E+07	-1.036E-01	6.913E-03
235	5	510.00	1	3.099E+04	7.968E+03	3.491E+03	1.247E-02	-1.929E+06	3.819E+07	-2.280E-09	3.077E-10
235	5	510.00	2	-3.100E+04	7.965E+03	-3.371E+03	1.578E-02	1.925E+06	3.819E+07	-2.280E-09	-3.149E-10
236	1	0.00	1	-3.101E+04	2.021E+04	5.075E+03	-1.578E-02	5.171E+05	3.101E+07	0.000E+00	0.000E+00
236	1	0.00	2	3.098E+04	2.021E+04	-5.195E+03	-1.247E-02	-5.749E+05	3.101E+07	0.000E+00	0.000E+00
236	2	127.50	1	-3.101E+04	1.737E+04	5.075E+03	-1.578E-02	-1.300E+05	3.340E+07	-1.001E-01	-3.697E-03
236	2	127.50	2	3.098E+04	1.737E+04	-5.195E+03	-1.247E-02	8.748E+04	3.340E+07	-1.001E-01	3.485E-03
236	3	255.00	1	-3.101E+04	1.364E+04	5.075E+03	-1.578E-02	-7.770E+05	3.544E+07	-1.360E-01	-6.824E-03
236	3	255.00	2	3.098E+04	1.364E+04	-5.195E+03	-1.247E-02	7.499E+05	3.544E+07	-1.360E-01	6.585E-03
236	4	382.50	1	-3.101E+04	1.080E+04	5.075E+03	-1.578E-02	-1.424E+06	3.699E+07	-1.036E-01	-6.538E-03
236	4	382.50	2	3.098E+04	1.080E+04	-5.195E+03	-1.247E-02	1.412E+06	3.699E+07	-1.036E-01	6.393E-03
236	5	510.00	1	-3.100E+04	7.965E+03	5.075E+03	-1.578E-02	-2.071E+06	3.819E+07	-2.280E-09	-9.817E-11
236	5	510.00	2	3.099E+04	7.968E+03	-5.195E+03	-1.247E-02	2.075E+06	3.819E+07	-2.280E-09	1.054E-10
237	1	0.00	1	2.430E+04	-7.965E+03	5.132E+03	-1.573E-02	-9.084E+05	3.819E+07	0.000E+00	0.000E+00
237	1	0.00	2	-2.428E+04	-7.968E+03	-5.139E+03	-1.252E-02	9.048E+05	3.819E+07	0.000E+00	0.000E+00
237	2	127.50	1	2.430E+04	-1.080E+04	4.271E+03	-1.573E-02	-1.508E+06	3.699E+07	-1.036E-01	-1.212E-02
237	2	127.50	2	-2.428E+04	-1.080E+04	-4.279E+03	-1.252E-02	1.505E+06	3.699E+07	-1.036E-01	1.210E-02
237	3	255.00	1	2.430E+04	-1.454E+04	3.411E+03	-1.573E-02	-1.998E+06	3.544E+07	-1.360E-01	-1.751E-02
237	3	255.00	2	-2.428E+04	-1.454E+04	-3.418E+03	-1.252E-02	1.996E+06	3.544E+07	-1.360E-01	1.749E-02
237	4	382.50	1	2.431E+04	-1.737E+04	2.550E+03	-1.573E-02	-2.378E+06	3.340E+07	-1.001E-01	-1.403E-02
237	4	382.50	2	-2.427E+04	-1.737E+04	-2.558E+03	-1.252E-02	2.377E+06	3.340E+07	-1.001E-01	1.402E-02
237	5	510.00	1	2.431E+04	-2.021E+04	1.690E+03	-1.573E-02	-2.648E+06	3.101E+07	3.335E-09	4.183E-09
237	5	510.00	2	-2.427E+04	-2.021E+04	-1.697E+03	-1.252E-02	2.648E+06	3.101E+07	3.336E-09	-4.182E-09
238	1	0.00	1	-2.428E+04	-7.968E+03	3.434E+03	1.252E-02	-1.051E+06	3.819E+07	0.000E+00	0.000E+00
238	1	0.00	2	2.430E+04	-7.965E+03	-3.426E+03	1.573E-02	1.054E+06	3.819E+07	0.000E+00	0.000E+00
238	2	127.50	1	-2.428E+04	-1.080E+04	3.434E+03	1.252E-02	-1.488E+06	3.699E+07	-1.036E-01	-1.173E-02
238	2	127.50	2	2.430E+04	-1.080E+04	-3.426E+03	1.573E-02	1.491E+06	3.699E+07	-1.036E-01	1.174E-02
238	3	255.00	1	-2.428E+04	-1.454E+04	3.434E+03	1.252E-02	-1.926E+06	3.544E+07	-1.360E-01	-1.692E-02
238	3	255.00	2	2.430E+04	-1.454E+04	-3.426E+03	1.573E-02	1.928E+06	3.544E+07	-1.360E-01	1.693E-02
238	4	382.50	1	-2.427E+04	-1.737E+04	3.434E+03	1.252E-02	-2.364E+06	3.340E+07	-1.001E-01	-1.365E-02
238	4	382.50	2	2.431E+04	-1.737E+04	-3.426E+03	1.573E-02	2.365E+06	3.340E+07	-1.001E-01	1.366E-02
238	5	510.00	1	-2.427E+04	-2.021E+04	3.434E+03	1.252E-02	-2.802E+06	3.101E+07	3.336E-09	-4.298E-10
238	5	510.00	2	2.431E+04	-2.021E+04	-3.426E+03	1.573E-02	2.802E+06	3.101E+07	3.335E-09	4.288E-10
239	1	0.00	1	1.864E+04	-3.447E+04	3.505E+03	-2.988E-02	-1.782E+06	3.101E+07	0.000E+00	0.000E+00
239	1	0.00	2	-1.857E+04	-3.448E+04	-3.503E+03	-2.673E-02	1.782E+06	3.101E+07	0.000E+00	0.000E+00
239	2	127.25	1	1.864E+04	-3.730E+04	2.646E+03	-2.988E-02	-2.174E+06	2.644E+07	-6.660E-02	-1.553E-02
239	2	127.25	2	-1.857E+04	-3.730E+04	-2.645E+03	-2.673E-02	2.173E+06	2.644E+07	-6.659E-02	1.553E-02
239	3	254.50	1	1.864E+04	-4.013E+04	1.787E+03	-2.988E-02	-2.456E+06	2.151E+07	-8.243E-02	-2.145E-02
239	3	254.50	2	-1.856E+04	-4.013E+04	-1.786E+03	-2.673E-02	2.455E+06	2.151E+07	-8.242E-02	2.144E-02
239	4	381.75	1	1.864E+04	-4.296E+04	9.282E+02	-2.988E-02	-2.629E+06	1.623E+07	-5.687E-02	-1.652E-02
239	4	381.75	2	-1.856E+04	-4.296E+04	-9.267E+02	-2.673E-02	2.628E+06	1.622E+07	-5.687E-02	1.652E-02

239	5	509.00	1	1.865E+04	-4.579E+04	6.928E+01	-2.988E-02	-2.692E+06	1.058E+07	-1.372E-08	-1.635E-09
239	5	509.00	2	-1.856E+04	-4.579E+04	-6.774E+01	-2.673E-02	2.691E+06	1.058E+07	-1.372E-08	1.635E-09
240	1	0.00	1	-1.857E+04	-3.448E+04	1.618E+03	2.673E-02	-1.936E+06	3.101E+07	0.000E+00	0.000E+00
240	1	0.00	2	1.864E+04	-3.447E+04	-1.620E+03	2.988E-02	1.936E+06	3.101E+07	0.000E+00	0.000E+00
240	2	127.25	1	-1.857E+04	-3.730E+04	1.618E+03	2.673E-02	-2.142E+06	2.644E+07	-6.659E-02	-1.495E-02
240	2	127.25	2	1.864E+04	-3.730E+04	-1.620E+03	2.988E-02	2.142E+06	2.644E+07	-6.660E-02	1.496E-02
240	3	254.50	1	-1.856E+04	-4.013E+04	1.618E+03	2.673E-02	-2.348E+06	2.151E+07	-8.242E-02	-2.054E-02
240	3	254.50	2	1.864E+04	-4.013E+04	-1.620E+03	2.988E-02	2.348E+06	2.151E+07	-8.243E-02	2.054E-02
240	4	381.75	1	-1.856E+04	-4.296E+04	1.618E+03	2.673E-02	-2.554E+06	1.622E+07	-5.687E-02	-1.585E-02
240	4	381.75	2	1.864E+04	-4.296E+04	-1.620E+03	2.988E-02	2.554E+06	1.623E+07	-5.687E-02	1.586E-02
240	5	509.00	1	-1.856E+04	-4.579E+04	1.618E+03	2.673E-02	-2.760E+06	1.058E+07	-1.372E-08	3.103E-09
240	5	509.00	2	1.865E+04	-4.579E+04	-1.620E+03	2.988E-02	2.761E+06	1.058E+07	-1.372E-08	-3.104E-09
241	1	0.00	1	1.416E+04	-5.672E+04	1.284E+03	-1.730E-01	-2.007E+06	1.058E+07	0.000E+00	0.000E+00
241	1	0.00	2	-1.403E+04	-5.673E+04	-1.290E+03	-1.706E-01	2.005E+06	1.058E+07	0.000E+00	0.000E+00
241	2	45.25	1	1.416E+04	-5.773E+04	9.781E+02	-1.730E-01	-2.058E+06	7.990E+06	-2.338E-03	-1.752E-03
241	2	45.25	2	-1.403E+04	-5.773E+04	-9.848E+02	-1.706E-01	2.057E+06	7.988E+06	-2.337E-03	1.752E-03
241	3	90.50	1	1.416E+04	-5.874E+04	6.727E+02	-1.730E-01	-2.095E+06	5.355E+06	-2.692E-03	-2.349E-03
241	3	90.50	2	-1.403E+04	-5.874E+04	-6.794E+02	-1.706E-01	2.095E+06	5.353E+06	-2.691E-03	2.348E-03
241	4	135.75	1	1.416E+04	-5.974E+04	3.673E+02	-1.730E-01	-2.119E+06	2.674E+06	-1.698E-03	-1.769E-03
241	4	135.75	2	-1.403E+04	-5.975E+04	-3.739E+02	-1.706E-01	2.118E+06	2.672E+06	-1.697E-03	1.769E-03
241	5	181.00	1	1.416E+04	-6.075E+04	6.182E+01	-1.730E-01	-2.128E+06	-5.175E+04	-4.499E-10	2.757E-11
241	5	181.00	2	-1.403E+04	-6.075E+04	-6.849E+01	-1.706E-01	2.128E+06	-5.412E+04	-4.499E-10	-2.761E-11
242	1	0.00	1	-1.403E+04	-5.673E+04	4.039E+02	1.706E-01	-2.073E+06	1.058E+07	0.000E+00	0.000E+00
242	1	0.00	2	1.416E+04	-5.672E+04	-3.973E+02	1.730E-01	2.074E+06	1.058E+07	0.000E+00	0.000E+00
242	2	45.25	1	-1.403E+04	-5.773E+04	4.039E+02	1.706E-01	-2.092E+06	7.988E+06	-2.337E-03	-1.745E-03
242	2	45.25	2	1.416E+04	-5.773E+04	-3.973E+02	1.730E-01	2.092E+06	7.990E+06	-2.338E-03	1.746E-03
242	3	90.50	1	-1.403E+04	-5.874E+04	4.039E+02	1.706E-01	-2.110E+06	5.353E+06	-2.691E-03	-2.334E-03
242	3	90.50	2	1.416E+04	-5.874E+04	-3.973E+02	1.730E-01	2.110E+06	5.355E+06	-2.692E-03	2.334E-03
242	4	135.75	1	-1.403E+04	-5.975E+04	4.039E+02	1.706E-01	-2.128E+06	2.672E+06	-1.697E-03	-1.755E-03
242	4	135.75	2	1.416E+04	-5.974E+04	-3.973E+02	1.730E-01	2.128E+06	2.674E+06	-1.698E-03	1.756E-03
242	5	181.00	1	-1.403E+04	-6.075E+04	4.039E+02	1.706E-01	-2.146E+06	-5.412E+04	-4.499E-10	-3.625E-10
242	5	181.00	2	1.416E+04	-6.075E+04	-3.973E+02	1.730E-01	2.146E+06	-5.175E+04	-4.499E-10	3.625E-10
243	1	0.00	1	1.705E-13	1.534E+03	4.658E+02	-8.544E-16	1.607E+04	-5.293E+04	0.000E+00	0.000E+00
243	1	0.00	2	1.705E-13	1.534E+03	-4.658E+02	3.142E-15	-1.607E+04	-5.293E+04	0.000E+00	0.000E+00
243	2	17.25	1	1.705E-13	1.151E+03	3.493E+02	-8.544E-16	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
243	2	17.25	2	1.705E-13	1.151E+03	-3.493E+02	3.142E-15	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06
243	3	34.50	1	1.705E-13	7.671E+02	2.329E+02	-8.544E-16	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
243	3	34.50	2	1.705E-13	7.671E+02	-2.329E+02	3.142E-15	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
243	4	51.75	1	1.705E-13	3.836E+02	1.164E+02	-8.544E-16	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
243	4	51.75	2	1.705E-13	3.836E+02	-1.164E+02	3.142E-15	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06
243	5	69.00	1	1.705E-13	-1.264E-09	1.153E-08	-8.544E-16	-5.762E-08	2.327E-08	4.930E-13	2.065E-13
243	5	69.00	2	1.705E-13	6.789E-10	-1.152E-08	3.142E-15	5.763E-08	9.026E-08	4.930E-13	-2.065E-13
244	1	0.00	1	-7.458E-12	1.534E+03	-1.170E-08	3.014E-15	-4.798E-07	-5.293E+04	0.000E+00	0.000E+00
244	1	0.00	2	-7.458E-12	1.534E+03	1.170E-08	-8.976E-15	2.355E-07	-5.293E+04	0.000E+00	0.000E+00
244	2	17.25	1	-7.458E-12	1.151E+03	-1.170E-08	3.014E-15	-2.779E-07	-2.977E+04	-1.210E-05	-1.729E-17
244	2	17.25	2	-7.458E-12	1.151E+03	1.170E-08	-8.976E-15	3.367E-08	-2.977E+04	-1.210E-05	-1.216E-17
244	3	34.50	1	-7.458E-12	7.671E+02	-1.170E-08	3.014E-15	-7.612E-08	-1.323E+04	-1.648E-05	-1.224E-17
244	3	34.50	2	-7.458E-12	7.671E+02	1.170E-08	-8.976E-15	-1.681E-07	-1.323E+04	-1.648E-05	-2.703E-17
244	4	51.75	1	-7.458E-12	3.836E+02	-1.170E-08	3.014E-15	1.257E-07	-3.308E+03	-1.256E-05	-1.067E-18
244	4	51.75	2	-7.458E-12	3.836E+02	1.170E-08	-8.976E-15	-3.700E-07	-3.308E+03	-1.256E-05	-2.838E-17
244	5	69.00	1	-7.458E-12	-4.812E-10	-1.170E-08	3.014E-15	3.275E-07	-1.232E-07	4.930E-13	-4.284E-24
244	5	69.00	2	-7.458E-12	-4.376E-10	1.170E-08	-8.976E-15	-5.718E-07	-1.313E-07	4.930E-13	1.050E-24
245	1	0.00	1	-1.402E-09	-1.386E-09	-8.732E-10	0.000E+00	-3.353E-07	9.329E-08	0.000E+00	0.000E+00
245	1	0.00	2	1.392E-09	1.059E-09	8.730E-10	0.000E+00	3.353E-07	1.101E-07	0.000E+00	0.000E+00
245	2	17.25	1	-1.402E-09	-3.836E+02	-1.164E+02	0.000E+00	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
245	2	17.25	2	1.392E-09	-3.836E+02	1.164E+02	0.000E+00	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06
245	3	34.50	1	-1.402E-09	-7.671E+02	-2.329E+02	0.000E+00	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
245	3	34.50	2	1.392E-09	-7.671E+02	2.329E+02	0.000E+00	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
245	4	51.75	1	-1.402E-09	-1.151E+03	-3.493E+02	0.000E+00	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
245	4	51.75	2	1.392E-09	-1.151E+03	3.493E+02	0.000E+00	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06
245	5	69.00	1	-1.402E-09	-1.534E+03	-4.658E+02	0.000E+00	1.607E+04	-5.293E+04	9.744E-15	4.913E-15
245	5	69.00	2	1.392E-09	-1.534E+03	4.658E+02	0.000E+00	-1.607E+04	-5.293E+04	9.744E-15	-4.913E-15

246	1	0.00	1	1.392E-09	9.378E-12	-1.641E-08	0.000E+00	-1.162E-06	9.366E-08	0.000E+00	0.000E+00
246	1	0.00	2	-1.402E-09	9.378E-12	1.641E-08	0.000E+00	1.162E-06	8.249E-08	0.000E+00	0.000E+00
246	2	17.25	1	1.392E-09	-3.836E+02	-1.641E-08	0.000E+00	-8.792E-07	-3.308E+03	-1.256E-05	-8.323E-17
246	2	17.25	2	-1.402E-09	-3.836E+02	1.641E-08	0.000E+00	8.791E-07	-3.308E+03	-1.256E-05	8.323E-17
246	3	34.50	1	1.392E-09	-7.671E+02	-1.641E-08	0.000E+00	-5.960E-07	-1.323E+04	-1.648E-05	-9.581E-17
246	3	34.50	2	-1.402E-09	-7.671E+02	1.641E-08	0.000E+00	5.960E-07	-1.323E+04	-1.648E-05	9.581E-17
246	4	51.75	1	1.392E-09	-1.151E+03	-1.641E-08	0.000E+00	-3.129E-07	-2.977E+04	-1.210E-05	-6.048E-17
246	4	51.75	2	-1.402E-09	-1.151E+03	1.641E-08	0.000E+00	3.128E-07	-2.977E+04	-1.210E-05	6.048E-17
246	5	69.00	1	1.392E-09	-1.534E+03	-1.641E-08	0.000E+00	-2.972E-08	-5.293E+04	9.754E-15	-7.135E-24
246	5	69.00	2	-1.402E-09	-1.534E+03	1.641E-08	0.000E+00	2.965E-08	-5.293E+04	9.754E-15	7.135E-24
247	1	0.00	1	1.403E+04	5.985E+04	-6.881E+01	1.731E-01	-2.128E+06	-5.227E+04	0.000E+00	0.000E+00
247	1	0.00	2	-1.416E+04	5.985E+04	6.149E+01	1.705E-01	2.128E+06	-5.359E+04	0.000E+00	0.000E+00
247	2	45.25	1	1.403E+04	5.884E+04	-3.743E+02	1.731E-01	-2.118E+06	2.633E+06	-1.673E-03	-1.769E-03
247	2	45.25	2	-1.416E+04	5.885E+04	3.669E+02	1.705E-01	2.119E+06	2.632E+06	-1.673E-03	1.769E-03
247	3	90.50	1	1.403E+04	5.784E+04	-6.797E+02	1.731E-01	-2.095E+06	5.273E+06	-2.653E-03	-2.348E-03
247	3	90.50	2	-1.416E+04	5.784E+04	6.724E+02	1.705E-01	2.095E+06	5.272E+06	-2.652E-03	2.349E-03
247	4	135.75	1	1.403E+04	5.683E+04	-9.851E+02	1.731E-01	-2.057E+06	7.867E+06	-2.303E-03	-1.752E-03
247	4	135.75	2	-1.416E+04	5.683E+04	9.778E+02	1.705E-01	2.058E+06	7.866E+06	-2.303E-03	1.752E-03
247	5	181.00	1	1.403E+04	5.582E+04	-1.291E+03	1.731E-01	-2.005E+06	1.042E+07	-5.458E-11	2.211E-10
247	5	181.00	2	-1.416E+04	5.583E+04	1.283E+03	1.705E-01	2.007E+06	1.042E+07	-5.445E-11	-2.211E-10
248	1	0.00	1	-1.416E+04	5.985E+04	-3.969E+02	-1.705E-01	-2.146E+06	-5.359E+04	0.000E+00	0.000E+00
248	1	0.00	2	1.403E+04	5.985E+04	4.043E+02	-1.731E-01	2.146E+06	-5.227E+04	0.000E+00	0.000E+00
248	2	45.25	1	-1.416E+04	5.885E+04	-3.969E+02	-1.705E-01	-2.128E+06	2.632E+06	-1.673E-03	-1.756E-03
248	2	45.25	2	1.403E+04	5.884E+04	4.043E+02	-1.731E-01	2.128E+06	2.633E+06	-1.673E-03	1.755E-03
248	3	90.50	1	-1.416E+04	5.784E+04	-3.969E+02	-1.705E-01	-2.110E+06	5.272E+06	-2.652E-03	-2.334E-03
248	3	90.50	2	1.403E+04	5.784E+04	4.043E+02	-1.731E-01	2.110E+06	5.273E+06	-2.653E-03	2.334E-03
248	4	135.75	1	-1.416E+04	5.683E+04	-3.969E+02	-1.705E-01	-2.092E+06	7.866E+06	-2.303E-03	-1.746E-03
248	4	135.75	2	1.403E+04	5.683E+04	4.043E+02	-1.731E-01	2.092E+06	7.867E+06	-2.303E-03	1.745E-03
248	5	181.00	1	-1.416E+04	5.583E+04	-3.969E+02	-1.705E-01	-2.074E+06	1.042E+07	-5.445E-11	-1.420E-10
248	5	181.00	2	1.403E+04	5.582E+04	4.043E+02	-1.731E-01	2.073E+06	1.042E+07	-5.458E-11	1.420E-10
249	1	0.00	1	1.856E+04	4.489E+04	-6.738E+01	2.925E-02	-2.691E+06	1.042E+07	0.000E+00	0.000E+00
249	1	0.00	2	-1.865E+04	4.489E+04	6.964E+01	2.736E-02	2.692E+06	1.042E+07	0.000E+00	0.000E+00
249	2	127.25	1	1.856E+04	4.206E+04	-9.263E+02	2.925E-02	-2.628E+06	1.595E+07	-5.586E-02	-1.652E-02
249	2	127.25	2	-1.864E+04	4.206E+04	9.286E+02	2.736E-02	2.629E+06	1.595E+07	-5.586E-02	1.652E-02
249	3	254.50	1	1.856E+04	3.923E+04	-1.785E+03	2.925E-02	-2.455E+06	2.112E+07	-8.094E-02	-2.144E-02
249	3	254.50	2	-1.864E+04	3.923E+04	1.788E+03	2.736E-02	2.456E+06	2.112E+07	-8.093E-02	2.145E-02
249	4	381.75	1	1.857E+04	3.640E+04	-2.644E+03	2.925E-02	-2.173E+06	2.593E+07	-6.537E-02	-1.553E-02
249	4	381.75	2	-1.864E+04	3.640E+04	2.646E+03	2.736E-02	2.174E+06	2.593E+07	-6.537E-02	1.553E-02
249	5	509.00	1	1.857E+04	3.357E+04	-3.503E+03	2.925E-02	-1.782E+06	3.039E+07	-6.474E-10	1.493E-09
249	5	509.00	2	-1.864E+04	3.358E+04	3.505E+03	2.736E-02	1.782E+06	3.039E+07	-6.468E-10	-1.494E-09
250	1	0.00	1	-1.865E+04	4.489E+04	-1.620E+03	-2.736E-02	-2.761E+06	1.042E+07	0.000E+00	0.000E+00
250	1	0.00	2	1.856E+04	4.489E+04	1.618E+03	-2.925E-02	2.760E+06	1.042E+07	0.000E+00	0.000E+00
250	2	127.25	1	-1.864E+04	4.206E+04	-1.620E+03	-2.736E-02	-2.554E+06	1.595E+07	-5.586E-02	-1.586E-02
250	2	127.25	2	1.856E+04	4.206E+04	1.618E+03	-2.925E-02	2.554E+06	1.595E+07	-5.586E-02	1.585E-02
250	3	254.50	1	-1.864E+04	3.923E+04	-1.620E+03	-2.736E-02	-2.348E+06	2.112E+07	-8.093E-02	-2.054E-02
250	3	254.50	2	1.856E+04	3.923E+04	1.618E+03	-2.925E-02	2.348E+06	2.112E+07	-8.094E-02	2.054E-02
250	4	381.75	1	-1.864E+04	3.640E+04	-1.620E+03	-2.736E-02	-2.142E+06	2.593E+07	-6.537E-02	-1.496E-02
250	4	381.75	2	1.857E+04	3.640E+04	1.618E+03	-2.925E-02	2.142E+06	2.593E+07	-6.537E-02	1.495E-02
250	5	509.00	1	-1.864E+04	3.358E+04	-1.620E+03	-2.736E-02	-1.936E+06	3.039E+07	-6.468E-10	-1.208E-09
250	5	509.00	2	1.857E+04	3.357E+04	1.618E+03	-2.925E-02	1.936E+06	3.039E+07	-6.474E-10	1.208E-09
251	1	0.00	1	2.427E+04	1.931E+04	-1.690E+03	1.508E-02	-2.648E+06	3.039E+07	0.000E+00	0.000E+00
251	1	0.00	2	-2.431E+04	1.931E+04	1.696E+03	1.317E-02	2.648E+06	3.039E+07	0.000E+00	0.000E+00
251	2	127.50	1	2.427E+04	1.647E+04	-2.551E+03	1.508E-02	-2.378E+06	3.267E+07	-9.780E-02	-1.403E-02
251	2	127.50	2	-2.431E+04	1.647E+04	2.557E+03	1.317E-02	2.377E+06	3.267E+07	-9.781E-02	1.402E-02
251	3	255.00	1	2.428E+04	1.364E+04	-3.412E+03	1.508E-02	-1.998E+06	3.459E+07	-1.327E-01	-1.751E-02
251	3	255.00	2	-2.430E+04	1.364E+04	3.418E+03	1.317E-02	1.996E+06	3.459E+07	-1.327E-01	1.749E-02
251	4	382.50	1	2.428E+04	1.080E+04	-4.272E+03	1.508E-02	-1.508E+06	3.614E+07	-1.011E-01	-1.212E-02
251	4	382.50	2	-2.430E+04	1.080E+04	4.278E+03	1.317E-02	1.505E+06	3.614E+07	-1.011E-01	1.210E-02
251	5	510.00	1	2.428E+04	7.965E+03	-5.133E+03	1.508E-02	-9.083E+05	3.734E+07	-1.746E-09	3.132E-09
251	5	510.00	2	-2.430E+04	7.968E+03	5.139E+03	1.317E-02	9.049E+05	3.734E+07	-1.746E-09	-3.133E-09
252	1	0.00	1	-2.431E+04	1.931E+04	-3.433E+03	-1.317E-02	-2.801E+06	3.039E+07	0.000E+00	0.000E+00
252	1	0.00	2	2.427E+04	1.931E+04	3.427E+03	-1.508E-02	2.802E+06	3.039E+07	0.000E+00	0.000E+00

252	2	127.50	1	-2.431E+04	1.647E+04	-3.433E+03	-1.317E-02	-2.364E+06	3.267E+07	-9.781E-02	-1.365E-02
252	2	127.50	2	2.427E+04	1.647E+04	3.427E+03	-1.508E-02	2.365E+06	3.267E+07	-9.780E-02	1.366E-02
252	3	255.00	1	-2.430E+04	1.364E+04	-3.433E+03	-1.317E-02	-1.926E+06	3.459E+07	-1.327E-01	-1.692E-02
252	3	255.00	2	2.428E+04	1.364E+04	3.427E+03	-1.508E-02	1.928E+06	3.459E+07	-1.327E-01	1.693E-02
252	4	382.50	1	-2.430E+04	1.080E+04	-3.433E+03	-1.317E-02	-1.488E+06	3.614E+07	-1.011E-01	-1.173E-02
252	4	382.50	2	2.428E+04	1.080E+04	3.427E+03	-1.508E-02	1.491E+06	3.614E+07	-1.011E-01	1.174E-02
252	5	510.00	1	-2.430E+04	7.968E+03	-3.433E+03	-1.317E-02	-1.051E+06	3.734E+07	-1.746E-09	3.202E-09
252	5	510.00	2	2.428E+04	7.965E+03	3.427E+03	-1.508E-02	1.054E+06	3.734E+07	-1.746E-09	-3.201E-09
253	1	0.00	1	3.100E+04	-7.968E+03	-3.489E+03	-1.323E-02	-1.929E+06	3.734E+07	0.000E+00	0.000E+00
253	1	0.00	2	-3.099E+04	-7.965E+03	3.372E+03	-1.502E-02	1.925E+06	3.734E+07	0.000E+00	0.000E+00
253	2	127.50	1	3.101E+04	-1.080E+04	-4.350E+03	-1.323E-02	-1.429E+06	3.614E+07	-1.011E-01	-6.771E-03
253	2	127.50	2	-3.098E+04	-1.080E+04	4.233E+03	-1.502E-02	1.440E+06	3.614E+07	-1.011E-01	6.911E-03
253	3	255.00	1	3.101E+04	-1.364E+04	-5.211E+03	-1.323E-02	-8.196E+05	3.458E+07	-1.327E-01	-7.163E-03
253	3	255.00	2	-3.098E+04	-1.364E+04	5.093E+03	-1.502E-02	8.460E+05	3.459E+07	-1.327E-01	7.394E-03
253	4	382.50	1	3.101E+04	-1.647E+04	-6.071E+03	-1.323E-02	-1.004E+05	3.267E+07	-9.780E-02	-3.853E-03
253	4	382.50	2	-3.098E+04	-1.647E+04	5.954E+03	-1.502E-02	1.417E+05	3.267E+07	-9.781E-02	4.060E-03
253	5	510.00	1	3.101E+04	-1.931E+04	-6.932E+03	-1.323E-02	7.286E+05	3.038E+07	2.433E-09	1.794E-09
253	5	510.00	2	-3.098E+04	-1.931E+04	6.815E+03	-1.502E-02	-6.723E+05	3.039E+07	2.433E-09	-1.792E-09
254	1	0.00	1	-3.099E+04	-7.965E+03	-5.076E+03	1.502E-02	-2.071E+06	3.734E+07	0.000E+00	0.000E+00
254	1	0.00	2	3.100E+04	-7.968E+03	5.194E+03	1.323E-02	2.075E+06	3.734E+07	0.000E+00	0.000E+00
254	2	127.50	1	-3.098E+04	-1.080E+04	-5.076E+03	1.502E-02	-1.424E+06	3.614E+07	-1.011E-01	-6.536E-03
254	2	127.50	2	3.101E+04	-1.080E+04	5.194E+03	1.323E-02	1.412E+06	3.614E+07	-1.011E-01	6.396E-03
254	3	255.00	1	-3.098E+04	-1.364E+04	-5.076E+03	1.502E-02	-7.766E+05	3.459E+07	-1.327E-01	-6.820E-03
254	3	255.00	2	3.101E+04	-1.364E+04	5.194E+03	1.323E-02	7.503E+05	3.458E+07	-1.327E-01	6.589E-03
254	4	382.50	1	-3.098E+04	-1.647E+04	-5.076E+03	1.502E-02	-1.294E+05	3.267E+07	-9.781E-02	-3.694E-03
254	4	382.50	2	3.101E+04	-1.647E+04	5.194E+03	1.323E-02	8.807E+04	3.267E+07	-9.780E-02	3.488E-03
254	5	510.00	1	-3.098E+04	-1.931E+04	-5.076E+03	1.502E-02	5.178E+05	3.039E+07	2.433E-09	-7.883E-10
254	5	510.00	2	3.101E+04	-1.931E+04	5.194E+03	1.323E-02	-5.741E+05	3.038E+07	2.433E-09	7.869E-10
255	1	0.00	1	3.826E+04	-3.358E+04	-4.568E+03	-2.749E-02	-3.720E+05	3.038E+07	0.000E+00	0.000E+00
255	1	0.00	2	-3.819E+04	-3.357E+04	5.540E+03	-2.912E-02	4.287E+05	3.039E+07	0.000E+00	0.000E+00
255	2	127.25	1	3.826E+04	-3.640E+04	-5.427E+03	-2.749E-02	2.640E+05	2.593E+07	-6.536E-02	4.957E-03
255	2	127.25	2	-3.819E+04	-3.640E+04	6.399E+03	-2.912E-02	-3.310E+05	2.593E+07	-6.537E-02	-5.938E-03
255	3	254.50	1	3.827E+04	-3.923E+04	-6.286E+03	-2.749E-02	1.009E+06	2.112E+07	-8.093E-02	8.862E-03
255	3	254.50	2	-3.819E+04	-3.923E+04	7.258E+03	-2.912E-02	-1.200E+06	2.112E+07	-8.094E-02	-1.053E-02
255	4	381.75	1	3.827E+04	-4.206E+04	-7.145E+03	-2.749E-02	1.864E+06	1.595E+07	-5.586E-02	8.456E-03
255	4	381.75	2	-3.819E+04	-4.206E+04	8.117E+03	-2.912E-02	-2.178E+06	1.595E+07	-5.587E-02	-9.978E-03
255	5	509.00	1	3.827E+04	-4.489E+04	-8.004E+03	-2.749E-02	2.828E+06	1.041E+07	-1.329E-08	1.126E-10
255	5	509.00	2	-3.818E+04	-4.489E+04	8.976E+03	-2.912E-02	-3.266E+06	1.042E+07	-1.329E-08	-1.234E-10
256	1	0.00	1	-3.819E+04	-3.357E+04	-7.440E+03	2.912E-02	-5.832E+05	3.039E+07	0.000E+00	0.000E+00
256	1	0.00	2	3.826E+04	-3.358E+04	6.468E+03	2.750E-02	5.265E+05	3.038E+07	0.000E+00	0.000E+00
256	2	127.25	1	-3.819E+04	-3.640E+04	-7.440E+03	2.912E-02	3.635E+05	2.593E+07	-6.537E-02	6.526E-03
256	2	127.25	2	3.826E+04	-3.640E+04	6.468E+03	2.750E-02	-2.965E+05	2.593E+07	-6.536E-02	-5.545E-03
256	3	254.50	1	-3.819E+04	-3.923E+04	-7.440E+03	2.912E-02	1.310E+06	2.112E+07	-8.094E-02	1.146E-02
256	3	254.50	2	3.827E+04	-3.923E+04	6.468E+03	2.750E-02	-1.120E+06	2.112E+07	-8.093E-02	-9.793E-03
256	4	381.75	1	-3.819E+04	-4.206E+04	-7.440E+03	2.912E-02	2.257E+06	1.595E+07	-5.587E-02	1.067E-02
256	4	381.75	2	3.827E+04	-4.206E+04	6.468E+03	2.750E-02	-1.943E+06	1.595E+07	-5.586E-02	-9.145E-03
256	5	509.00	1	-3.818E+04	-4.489E+04	-7.440E+03	2.912E-02	3.204E+06	1.042E+07	-1.329E-08	3.660E-10
256	5	509.00	2	3.827E+04	-4.489E+04	6.468E+03	2.750E-02	-2.766E+06	1.041E+07	-1.329E-08	-3.551E-10
257	1	0.00	1	4.520E+04	-5.582E+04	-8.574E+03	-1.716E-01	1.773E+06	1.041E+07	0.000E+00	0.000E+00
257	1	0.00	2	-4.508E+04	-5.583E+04	6.021E+03	-1.720E-01	-2.215E+06	1.042E+07	0.000E+00	0.000E+00
257	2	45.25	1	4.520E+04	-5.683E+04	-8.880E+03	-1.716E-01	2.168E+06	7.866E+06	-2.303E-03	2.000E-03
257	2	45.25	2	-4.508E+04	-5.684E+04	6.326E+03	-1.720E-01	-2.495E+06	7.868E+06	-2.304E-03	-2.207E-03
257	3	90.50	1	4.521E+04	-5.783E+04	-9.185E+03	-1.716E-01	2.577E+06	5.271E+06	-2.652E-03	2.819E-03
257	3	90.50	2	-4.508E+04	-5.784E+04	6.632E+03	-1.720E-01	-2.788E+06	5.274E+06	-2.653E-03	-3.052E-03
257	4	135.75	1	4.521E+04	-5.884E+04	-9.491E+03	-1.716E-01	2.999E+06	2.632E+06	-1.673E-03	2.230E-03
257	4	135.75	2	-4.508E+04	-5.885E+04	6.937E+03	-1.720E-01	-3.095E+06	2.633E+06	-1.673E-03	-2.373E-03
257	5	181.00	1	4.521E+04	-5.984E+04	-9.796E+03	-1.716E-01	3.435E+06	-5.350E+04	-8.975E-10	4.838E-10
257	5	181.00	2	-4.508E+04	-5.986E+04	7.243E+03	-1.720E-01	-3.415E+06	-5.236E+04	-8.976E-10	-4.261E-10
258	1	0.00	1	-4.508E+04	-5.583E+04	-6.870E+03	1.720E-01	2.154E+06	1.042E+07	0.000E+00	0.000E+00
258	1	0.00	2	4.520E+04	-5.582E+04	9.423E+03	1.716E-01	-1.712E+06	1.041E+07	0.000E+00	0.000E+00
258	2	45.25	1	-4.508E+04	-5.684E+04	-6.870E+03	1.720E-01	2.465E+06	7.868E+06	-2.304E-03	2.217E-03
258	2	45.25	2	4.520E+04	-5.683E+04	9.423E+03	1.716E-01	-2.138E+06	7.866E+06	-2.303E-03	-2.010E-03

258	3	90.50	1	-4.508E+04	-5.784E+04	-6.870E+03	1.720E-01	2.776E+06	5.274E+06	-2.653E-03	3.070E-03
258	3	90.50	2	4.521E+04	-5.783E+04	9.423E+03	1.716E-01	-2.564E+06	5.271E+06	-2.652E-03	-2.837E-03
258	4	135.75	1	-4.508E+04	-5.885E+04	-6.870E+03	1.720E-01	3.086E+06	2.633E+06	-1.673E-03	2.389E-03
258	4	135.75	2	4.521E+04	-5.884E+04	9.423E+03	1.716E-01	-2.991E+06	2.632E+06	-1.673E-03	-2.245E-03
258	5	181.00	1	-4.508E+04	-5.986E+04	-6.870E+03	1.720E-01	3.397E+06	-5.236E+04	-8.976E-10	3.382E-10
258	5	181.00	2	4.521E+04	-5.984E+04	9.423E+03	1.716E-01	-3.417E+06	-5.350E+04	-8.975E-10	-3.959E-10
259	1	0.00	1	-2.224E+00	1.534E+03	4.658E+02	-2.016E-10	1.607E+04	-5.293E+04	0.000E+00	0.000E+00
259	1	0.00	2	-2.224E+00	1.534E+03	-4.658E+02	2.145E-10	-1.607E+04	-5.293E+04	0.000E+00	0.000E+00
259	2	17.25	1	-1.668E+00	1.151E+03	3.493E+02	-2.016E-10	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
259	2	17.25	2	-1.668E+00	1.151E+03	-3.493E+02	2.145E-10	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06
259	3	34.50	1	-1.112E+00	7.671E+02	2.329E+02	-2.016E-10	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
259	3	34.50	2	-1.112E+00	7.671E+02	-2.329E+02	2.145E-10	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
259	4	51.75	1	-5.559E-01	3.836E+02	1.164E+02	-2.016E-10	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
259	4	51.75	2	-5.559E-01	3.836E+02	-1.164E+02	2.145E-10	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06
259	5	69.00	1	-1.115E-09	-2.042E-09	-5.131E-09	-2.016E-10	1.933E-07	-4.118E-08	2.092E-13	-3.648E-13
259	5	69.00	2	1.237E-09	-6.891E-10	5.374E-09	2.145E-10	-2.097E-07	5.220E-08	2.092E-13	3.648E-13
260	1	0.00	1	-2.224E+00	1.534E+03	2.484E-09	2.528E-11	4.976E-08	-5.293E+04	0.000E+00	0.000E+00
260	1	0.00	2	-2.224E+00	1.534E+03	-2.056E-09	-1.284E-11	-3.965E-08	-5.293E+04	0.000E+00	0.000E+00
260	2	17.25	1	-1.668E+00	1.151E+03	2.484E-09	2.528E-11	6.906E-09	-2.977E+04	-1.210E-05	-2.662E-18
260	2	17.25	2	-1.668E+00	1.151E+03	-2.056E-09	-1.284E-11	-4.182E-09	-2.977E+04	-1.210E-05	2.297E-18
260	3	34.50	1	-1.112E+00	7.671E+02	2.484E-09	2.528E-11	3.594E-08	-1.323E+04	-1.648E-05	-5.814E-18
260	3	34.50	2	-1.112E+00	7.671E+02	-2.056E-09	-1.284E-11	-3.129E-08	-1.323E+04	-1.648E-05	4.994E-18
260	4	51.75	1	-5.559E-01	3.836E+02	2.484E-09	2.528E-11	-7.879E-08	-3.308E+03	-1.256E-05	-6.059E-18
260	4	51.75	2	-5.559E-01	3.836E+02	-2.056E-09	-1.284E-11	6.676E-08	-3.308E+03	-1.256E-05	5.194E-18
260	5	69.00	1	9.956E-10	1.349E-09	2.484E-09	2.528E-11	-1.216E-07	-2.253E-08	2.092E-13	-3.391E-25
260	5	69.00	2	-6.906E-10	-2.428E-09	-2.056E-09	-1.284E-11	1.022E-07	-3.691E-09	2.092E-13	3.442E-25
261	1	0.00	1	-4.185E-10	-3.908E-10	-4.271E-10	-5.917E-11	5.544E-08	1.307E-07	0.000E+00	0.000E+00
261	1	0.00	2	4.274E-10	-1.507E-10	4.187E-10	5.958E-11	-5.587E-08	1.139E-07	0.000E+00	0.000E+00
261	2	17.25	1	5.559E-01	-3.836E+02	-1.164E+02	-5.917E-11	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
261	2	17.25	2	5.559E-01	-3.836E+02	1.164E+02	5.958E-11	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06
261	3	34.50	1	1.112E+00	-7.671E+02	-2.329E+02	-5.917E-11	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
261	3	34.50	2	1.112E+00	-7.671E+02	2.329E+02	5.958E-11	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
261	4	51.75	1	1.668E+00	-1.151E+03	-3.493E+02	-5.917E-11	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
261	4	51.75	2	1.668E+00	-1.151E+03	3.493E+02	5.958E-11	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06
261	5	69.00	1	2.224E+00	-1.534E+03	-4.658E+02	-5.917E-11	1.607E+04	-5.293E+04	-1.809E-14	-3.344E-15
261	5	69.00	2	2.224E+00	-1.534E+03	4.658E+02	5.958E-11	-1.607E+04	-5.293E+04	-1.809E-14	3.344E-15
262	1	0.00	1	4.067E-10	2.864E-10	2.137E-10	-5.945E-11	4.471E-08	4.517E-08	0.000E+00	0.000E+00
262	1	0.00	2	-4.010E-10	-3.903E-10	-2.228E-10	5.904E-11	-4.470E-08	6.752E-08	0.000E+00	0.000E+00
262	2	17.25	1	5.559E-01	-3.836E+02	2.137E-10	-5.945E-11	4.102E-08	-3.308E+03	-1.256E-05	4.633E-18
262	2	17.25	2	5.559E-01	-3.836E+02	-2.228E-10	5.904E-11	-4.085E-08	-3.308E+03	-1.256E-05	-4.633E-18
262	3	34.50	1	1.112E+00	-7.671E+02	2.137E-10	-5.945E-11	3.734E-08	-1.323E+04	-1.648E-05	5.976E-18
262	3	34.50	2	1.112E+00	-7.671E+02	-2.228E-10	5.904E-11	-3.701E-08	-1.323E+04	-1.648E-05	-5.976E-18
262	4	51.75	1	1.668E+00	-1.151E+03	2.137E-10	-5.945E-11	3.365E-08	-2.977E+04	-1.210E-05	4.330E-18
262	4	51.75	2	1.668E+00	-1.151E+03	-2.228E-10	5.904E-11	-3.317E-08	-2.977E+04	-1.210E-05	-4.330E-18
262	5	69.00	1	2.224E+00	-1.534E+03	2.137E-10	-5.945E-11	2.996E-08	-5.293E+04	-1.808E-14	2.550E-25
262	5	69.00	2	2.224E+00	-1.534E+03	-2.228E-10	5.904E-11	-2.932E-08	-5.293E+04	-1.808E-14	-2.550E-25
263	1	0.00	1	4.508E+04	5.986E+04	9.816E+03	1.695E-01	3.436E+06	-5.425E+04	0.000E+00	0.000E+00
263	1	0.00	2	-4.521E+04	5.984E+04	-7.223E+03	1.742E-01	-3.415E+06	-5.161E+04	0.000E+00	0.000E+00
263	2	45.25	1	4.508E+04	5.885E+04	9.510E+03	1.695E-01	2.998E+06	2.632E+06	-1.673E-03	2.229E-03
263	2	45.25	2	-4.521E+04	5.884E+04	-6.917E+03	1.742E-01	-3.096E+06	2.633E+06	-1.673E-03	-2.374E-03
263	3	90.50	1	4.508E+04	5.785E+04	9.205E+03	1.695E-01	2.575E+06	5.272E+06	-2.652E-03	2.817E-03
263	3	90.50	2	-4.521E+04	5.783E+04	-6.612E+03	1.742E-01	-2.789E+06	5.273E+06	-2.653E-03	-3.054E-03
263	4	135.75	1	4.508E+04	5.684E+04	8.900E+03	1.695E-01	2.165E+06	7.867E+06	-2.303E-03	1.998E-03
263	4	135.75	2	-4.520E+04	5.682E+04	-6.306E+03	1.742E-01	-2.497E+06	7.867E+06	-2.303E-03	-2.209E-03
263	5	181.00	1	4.508E+04	5.583E+04	8.594E+03	1.695E-01	1.769E+06	1.042E+07	-1.628E-10	4.460E-10
263	5	181.00	2	-4.520E+04	5.582E+04	-6.001E+03	1.742E-01	-2.219E+06	1.042E+07	-1.628E-10	-4.502E-10
264	1	0.00	1	-4.521E+04	5.984E+04	6.850E+03	-1.742E-01	3.397E+06	-5.161E+04	0.000E+00	0.000E+00
264	1	0.00	2	4.508E+04	5.986E+04	-9.443E+03	-1.695E-01	-3.417E+06	-5.425E+04	0.000E+00	0.000E+00
264	2	45.25	1	-4.521E+04	5.884E+04	6.850E+03	-1.742E-01	3.087E+06	2.633E+06	-1.673E-03	2.390E-03
264	2	45.25	2	4.508E+04	5.885E+04	-9.443E+03	-1.695E-01	-2.990E+06	2.632E+06	-1.673E-03	-2.244E-03
264	3	90.50	1	-4.521E+04	5.783E+04	6.850E+03	-1.742E-01	2.777E+06	5.273E+06	-2.653E-03	3.072E-03
264	3	90.50	2	4.508E+04	5.785E+04	-9.443E+03	-1.695E-01	-2.563E+06	5.272E+06	-2.652E-03	-2.835E-03

264	4	135.75	1	-4.520E+04	5.682E+04	6.850E+03	-1.742E-01	2.467E+06	7.867E+06	-2.303E-03	2.218E-03
264	4	135.75	2	4.508E+04	5.684E+04	-9.443E+03	-1.695E-01	-2.135E+06	7.867E+06	-2.303E-03	-2.008E-03
264	5	181.00	1	-4.520E+04	5.582E+04	6.850E+03	-1.742E-01	2.157E+06	1.042E+07	-1.628E-10	1.682E-10
264	5	181.00	2	4.508E+04	5.583E+04	-9.443E+03	-1.695E-01	-1.708E+06	1.042E+07	-1.628E-10	-1.640E-10
265	1	0.00	1	3.818E+04	4.489E+04	7.996E+03	2.653E-02	2.824E+06	1.042E+07	0.000E+00	0.000E+00
265	1	0.00	2	-3.827E+04	4.489E+04	-8.984E+03	3.007E-02	-3.269E+06	1.042E+07	0.000E+00	0.000E+00
265	2	127.25	1	3.819E+04	4.206E+04	7.137E+03	2.653E-02	1.861E+06	1.595E+07	-5.586E-02	8.443E-03
265	2	127.25	2	-3.827E+04	4.206E+04	-8.126E+03	3.007E-02	-2.181E+06	1.595E+07	-5.586E-02	-9.990E-03
265	3	254.50	1	3.819E+04	3.923E+04	6.278E+03	2.653E-02	1.008E+06	2.112E+07	-8.093E-02	8.849E-03
265	3	254.50	2	-3.827E+04	3.923E+04	-7.267E+03	3.007E-02	-1.202E+06	2.112E+07	-8.093E-02	-1.054E-02
265	4	381.75	1	3.819E+04	3.640E+04	5.419E+03	2.653E-02	2.635E+05	2.593E+07	-6.537E-02	4.949E-03
265	4	381.75	2	-3.826E+04	3.640E+04	-6.408E+03	3.007E-02	-3.315E+05	2.593E+07	-6.537E-02	-5.946E-03
265	5	509.00	1	3.819E+04	3.358E+04	4.560E+03	2.653E-02	-3.714E+05	3.039E+07	-1.285E-09	-2.119E-09
265	5	509.00	2	-3.826E+04	3.357E+04	-5.549E+03	3.007E-02	4.292E+05	3.038E+07	-1.285E-09	1.926E-09
266	1	0.00	1	-3.827E+04	4.489E+04	7.448E+03	-3.007E-02	3.207E+06	1.042E+07	0.000E+00	0.000E+00
266	1	0.00	2	3.818E+04	4.489E+04	-6.460E+03	-2.653E-02	-2.762E+06	1.042E+07	0.000E+00	0.000E+00
266	2	127.25	1	-3.827E+04	4.206E+04	7.448E+03	-3.007E-02	2.260E+06	1.595E+07	-5.586E-02	1.068E-02
266	2	127.25	2	3.819E+04	4.206E+04	-6.460E+03	-2.653E-02	-1.940E+06	1.595E+07	-5.586E-02	-9.133E-03
266	3	254.50	1	-3.827E+04	3.923E+04	7.448E+03	-3.007E-02	1.312E+06	2.112E+07	-8.093E-02	1.148E-02
266	3	254.50	2	3.819E+04	3.923E+04	-6.460E+03	-2.653E-02	-1.118E+06	2.112E+07	-8.093E-02	-9.780E-03
266	4	381.75	1	-3.826E+04	3.640E+04	7.448E+03	-3.007E-02	3.640E+05	2.593E+07	-6.537E-02	6.534E-03
266	4	381.75	2	3.819E+04	3.640E+04	-6.460E+03	-2.653E-02	-2.960E+05	2.593E+07	-6.537E-02	-5.537E-03
266	5	509.00	1	-3.826E+04	3.357E+04	7.448E+03	-3.007E-02	-5.838E+05	3.038E+07	-1.285E-09	2.359E-09
266	5	509.00	2	3.819E+04	3.358E+04	-6.460E+03	-2.653E-02	5.259E+05	3.039E+07	-1.285E-09	-2.166E-09
267	1	0.00	1	3.098E+04	1.931E+04	6.933E+03	1.240E-02	7.290E+05	3.039E+07	0.000E+00	0.000E+00
267	1	0.00	2	-3.101E+04	1.931E+04	-6.814E+03	1.585E-02	-6.719E+05	3.039E+07	0.000E+00	0.000E+00
267	2	127.50	1	3.098E+04	1.647E+04	6.072E+03	1.240E-02	-1.001E+05	3.267E+07	-9.781E-02	-3.852E-03
267	2	127.50	2	-3.101E+04	1.647E+04	-5.953E+03	1.585E-02	1.420E+05	3.267E+07	-9.780E-02	4.061E-03
267	3	255.00	1	3.098E+04	1.364E+04	5.211E+03	1.240E-02	-8.194E+05	3.459E+07	-1.327E-01	-7.161E-03
267	3	255.00	2	-3.101E+04	1.364E+04	-5.093E+03	1.585E-02	8.462E+05	3.459E+07	-1.327E-01	7.396E-03
267	4	382.50	1	3.098E+04	1.080E+04	4.351E+03	1.240E-02	-1.429E+06	3.614E+07	-1.011E-01	-6.769E-03
267	4	382.50	2	-3.101E+04	1.080E+04	-4.232E+03	1.585E-02	1.441E+06	3.614E+07	-1.011E-01	6.912E-03
267	5	510.00	1	3.099E+04	7.968E+03	3.490E+03	1.240E-02	-1.929E+06	3.734E+07	-1.517E-09	2.936E-10
267	5	510.00	2	-3.100E+04	7.965E+03	-3.371E+03	1.585E-02	1.925E+06	3.734E+07	-1.517E-09	-3.007E-10
268	1	0.00	1	-3.101E+04	1.931E+04	5.076E+03	-1.585E-02	5.175E+05	3.039E+07	0.000E+00	0.000E+00
268	1	0.00	2	3.098E+04	1.931E+04	-5.194E+03	-1.240E-02	-5.745E+05	3.039E+07	0.000E+00	0.000E+00
268	2	127.50	1	-3.101E+04	1.647E+04	5.076E+03	-1.585E-02	-1.297E+05	3.267E+07	-9.780E-02	-3.696E-03
268	2	127.50	2	3.098E+04	1.647E+04	-5.194E+03	-1.240E-02	8.776E+04	3.267E+07	-9.781E-02	3.486E-03
268	3	255.00	1	-3.101E+04	1.364E+04	5.076E+03	-1.585E-02	-7.768E+05	3.459E+07	-1.327E-01	-6.822E-03
268	3	255.00	2	3.098E+04	1.364E+04	-5.194E+03	-1.240E-02	7.500E+05	3.459E+07	-1.327E-01	6.587E-03
268	4	382.50	1	-3.101E+04	1.080E+04	5.076E+03	-1.585E-02	-1.424E+06	3.614E+07	-1.011E-01	-6.537E-03
268	4	382.50	2	3.098E+04	1.080E+04	-5.194E+03	-1.240E-02	1.412E+06	3.614E+07	-1.011E-01	6.394E-03
268	5	510.00	1	-3.100E+04	7.965E+03	5.076E+03	-1.585E-02	-2.071E+06	3.734E+07	-1.517E-09	-1.124E-10
268	5	510.00	2	3.099E+04	7.968E+03	-5.194E+03	-1.240E-02	2.075E+06	3.734E+07	-1.517E-09	1.195E-10
269	1	0.00	1	2.430E+04	-7.965E+03	5.132E+03	-1.579E-02	-9.084E+05	3.734E+07	0.000E+00	0.000E+00
269	1	0.00	2	-2.428E+04	-7.968E+03	-5.139E+03	-1.245E-02	9.048E+05	3.734E+07	0.000E+00	0.000E+00
269	2	127.50	1	2.430E+04	-1.080E+04	4.272E+03	-1.579E-02	-1.508E+06	3.614E+07	-1.011E-01	-1.212E-02
269	2	127.50	2	-2.428E+04	-1.080E+04	-4.279E+03	-1.245E-02	1.505E+06	3.614E+07	-1.011E-01	1.210E-02
269	3	255.00	1	2.430E+04	-1.364E+04	3.411E+03	-1.579E-02	-1.998E+06	3.459E+07	-1.327E-01	-1.751E-02
269	3	255.00	2	-2.428E+04	-1.364E+04	-3.418E+03	-1.245E-02	1.996E+06	3.458E+07	-1.327E-01	1.749E-02
269	4	382.50	1	2.431E+04	-1.647E+04	2.550E+03	-1.579E-02	-2.378E+06	3.267E+07	-9.781E-02	-1.403E-02
269	4	382.50	2	-2.427E+04	-1.647E+04	-2.558E+03	-1.245E-02	2.377E+06	3.267E+07	-9.780E-02	1.402E-02
269	5	510.00	1	2.431E+04	-1.931E+04	1.690E+03	-1.579E-02	-2.648E+06	3.039E+07	2.324E-09	4.169E-09
269	5	510.00	2	-2.427E+04	-1.931E+04	-1.697E+03	-1.245E-02	2.648E+06	3.038E+07	2.323E-09	-4.168E-09
270	1	0.00	1	-2.428E+04	-7.968E+03	3.434E+03	1.246E-02	-1.051E+06	3.734E+07	0.000E+00	0.000E+00
270	1	0.00	2	2.430E+04	-7.965E+03	-3.426E+03	1.579E-02	1.054E+06	3.734E+07	0.000E+00	0.000E+00
270	2	127.50	1	-2.428E+04	-1.080E+04	3.434E+03	1.246E-02	-1.488E+06	3.614E+07	-1.011E-01	-1.173E-02
270	2	127.50	2	2.430E+04	-1.080E+04	-3.426E+03	1.579E-02	1.491E+06	3.614E+07	-1.011E-01	1.174E-02
270	3	255.00	1	-2.428E+04	-1.364E+04	3.434E+03	1.246E-02	-1.926E+06	3.458E+07	-1.327E-01	-1.692E-02
270	3	255.00	2	2.430E+04	-1.364E+04	-3.426E+03	1.579E-02	1.928E+06	3.459E+07	-1.327E-01	1.693E-02
270	4	382.50	1	-2.427E+04	-1.647E+04	3.434E+03	1.246E-02	-2.364E+06	3.267E+07	-9.780E-02	-1.365E-02
270	4	382.50	2	2.431E+04	-1.647E+04	-3.426E+03	1.579E-02	2.365E+06	3.267E+07	-9.781E-02	1.366E-02

270	5	510.00	1	-2.427E+04	-1.931E+04	3.434E+03	1.246E-02	-2.802E+06	3.038E+07	2.323E-09	-4.440E-10
270	5	510.00	2	2.431E+04	-1.931E+04	-3.426E+03	1.579E-02	2.802E+06	3.039E+07	2.324E-09	4.428E-10
271	1	0.00	1	1.864E+04	-3.357E+04	3.505E+03	-2.994E-02	-1.782E+06	3.039E+07	0.000E+00	0.000E+00
271	1	0.00	2	-1.857E+04	-3.358E+04	-3.503E+03	-2.667E-02	1.782E+06	3.038E+07	0.000E+00	0.000E+00
271	2	127.25	1	1.864E+04	-3.640E+04	2.646E+03	-2.994E-02	-2.174E+06	2.593E+07	-6.537E-02	-1.553E-02
271	2	127.25	2	-1.857E+04	-3.640E+04	-2.645E+03	-2.667E-02	2.173E+06	2.593E+07	-6.537E-02	1.553E-02
271	3	254.50	1	1.864E+04	-3.923E+04	1.787E+03	-2.994E-02	-2.456E+06	2.112E+07	-8.094E-02	-2.145E-02
271	3	254.50	2	-1.856E+04	-3.923E+04	-1.786E+03	-2.667E-02	2.455E+06	2.112E+07	-8.093E-02	2.144E-02
271	4	381.75	1	1.864E+04	-4.206E+04	9.282E+02	-2.994E-02	-2.629E+06	1.595E+07	-5.586E-02	-1.652E-02
271	4	381.75	2	-1.856E+04	-4.206E+04	-9.267E+02	-2.667E-02	2.628E+06	1.595E+07	-5.586E-02	1.652E-02
271	5	509.00	1	1.865E+04	-4.489E+04	6.928E+01	-2.994E-02	-2.692E+06	1.042E+07	-1.374E-08	-1.647E-09
271	5	509.00	2	-1.856E+04	-4.489E+04	-6.774E+01	-2.667E-02	2.691E+06	1.041E+07	-1.374E-08	1.648E-09
272	1	0.00	1	-1.857E+04	-3.358E+04	1.618E+03	2.667E-02	-1.936E+06	3.038E+07	0.000E+00	0.000E+00
272	1	0.00	2	1.864E+04	-3.357E+04	-1.620E+03	2.994E-02	1.936E+06	3.039E+07	0.000E+00	0.000E+00
272	2	127.25	1	-1.857E+04	-3.640E+04	1.618E+03	2.667E-02	-2.142E+06	2.593E+07	-6.537E-02	-1.495E-02
272	2	127.25	2	1.864E+04	-3.640E+04	-1.620E+03	2.994E-02	2.142E+06	2.593E+07	-6.537E-02	1.496E-02
272	3	254.50	1	-1.856E+04	-3.923E+04	1.618E+03	2.667E-02	-2.348E+06	2.112E+07	-8.093E-02	-2.054E-02
272	3	254.50	2	1.864E+04	-3.923E+04	-1.620E+03	2.994E-02	2.348E+06	2.112E+07	-8.094E-02	2.054E-02
272	4	381.75	1	-1.856E+04	-4.206E+04	1.618E+03	2.667E-02	-2.554E+06	1.595E+07	-5.586E-02	-1.585E-02
272	4	381.75	2	1.864E+04	-4.206E+04	-1.620E+03	2.994E-02	2.554E+06	1.595E+07	-5.586E-02	1.586E-02
272	5	509.00	1	-1.856E+04	-4.489E+04	1.618E+03	2.667E-02	-2.760E+06	1.041E+07	-1.374E-08	3.090E-09
272	5	509.00	2	1.865E+04	-4.489E+04	-1.620E+03	2.994E-02	2.761E+06	1.042E+07	-1.374E-08	-3.091E-09
273	1	0.00	1	1.416E+04	-5.582E+04	1.284E+03	-1.731E-01	-2.007E+06	1.042E+07	0.000E+00	0.000E+00
273	1	0.00	2	-1.403E+04	-5.583E+04	-1.290E+03	-1.706E-01	2.005E+06	1.041E+07	0.000E+00	0.000E+00
273	2	45.25	1	1.416E+04	-5.683E+04	9.781E+02	-1.731E-01	-2.058E+06	7.868E+06	-2.304E-03	-1.752E-03
273	2	45.25	2	-1.403E+04	-5.683E+04	-9.848E+02	-1.706E-01	2.057E+06	7.866E+06	-2.303E-03	1.752E-03
273	3	90.50	1	1.416E+04	-5.784E+04	6.727E+02	-1.731E-01	-2.095E+06	5.274E+06	-2.653E-03	-2.349E-03
273	3	90.50	2	-1.403E+04	-5.784E+04	-6.794E+02	-1.706E-01	2.095E+06	5.271E+06	-2.652E-03	2.348E-03
273	4	135.75	1	1.416E+04	-5.884E+04	3.673E+02	-1.731E-01	-2.119E+06	2.634E+06	-1.673E-03	-1.769E-03
273	4	135.75	2	-1.403E+04	-5.885E+04	-3.739E+02	-1.706E-01	2.118E+06	2.631E+06	-1.673E-03	1.769E-03
273	5	181.00	1	1.416E+04	-5.985E+04	6.181E+01	-1.731E-01	-2.128E+06	-5.170E+04	-4.526E-10	2.627E-11
273	5	181.00	2	-1.403E+04	-5.985E+04	-6.849E+01	-1.706E-01	2.128E+06	-5.417E+04	-4.527E-10	-2.631E-11
274	1	0.00	1	-1.403E+04	-5.583E+04	4.039E+02	1.706E-01	-2.073E+06	1.041E+07	0.000E+00	0.000E+00
274	1	0.00	2	1.416E+04	-5.582E+04	-3.973E+02	1.731E-01	2.074E+06	1.042E+07	0.000E+00	0.000E+00
274	2	45.25	1	-1.403E+04	-5.683E+04	4.039E+02	1.706E-01	-2.092E+06	7.866E+06	-2.303E-03	-1.745E-03
274	2	45.25	2	1.416E+04	-5.683E+04	-3.973E+02	1.731E-01	2.092E+06	7.868E+06	-2.304E-03	1.746E-03
274	3	90.50	1	-1.403E+04	-5.784E+04	4.039E+02	1.706E-01	-2.110E+06	5.271E+06	-2.652E-03	-2.334E-03
274	3	90.50	2	1.416E+04	-5.784E+04	-3.973E+02	1.731E-01	2.110E+06	5.274E+06	-2.653E-03	2.334E-03
274	4	135.75	1	-1.403E+04	-5.885E+04	4.039E+02	1.706E-01	-2.128E+06	2.631E+06	-1.673E-03	-1.755E-03
274	4	135.75	2	1.416E+04	-5.884E+04	-3.973E+02	1.731E-01	2.128E+06	2.634E+06	-1.673E-03	1.756E-03
274	5	181.00	1	-1.403E+04	-5.985E+04	4.039E+02	1.706E-01	-2.146E+06	-5.417E+04	-4.527E-10	-3.638E-10
274	5	181.00	2	1.416E+04	-5.985E+04	-3.973E+02	1.731E-01	2.146E+06	-5.170E+04	-4.526E-10	3.638E-10
275	1	0.00	1	-7.029E-10	1.534E+03	4.657E+02	1.528E-15	1.607E+04	-5.293E+04	0.000E+00	0.000E+00
275	1	0.00	2	6.941E-10	1.534E+03	-4.657E+02	1.959E-16	-1.607E+04	-5.293E+04	0.000E+00	0.000E+00
275	2	17.25	1	-7.029E-10	1.151E+03	3.493E+02	1.528E-15	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
275	2	17.25	2	6.941E-10	1.151E+03	-3.493E+02	1.959E-16	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06
275	3	34.50	1	-7.029E-10	7.671E+02	2.329E+02	1.528E-15	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
275	3	34.50	2	6.941E-10	7.671E+02	-2.329E+02	1.959E-16	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
275	4	51.75	1	-7.029E-10	3.836E+02	1.164E+02	1.528E-15	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
275	4	51.75	2	6.941E-10	3.836E+02	-1.164E+02	1.959E-16	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06
275	5	69.00	1	-7.029E-10	3.664E-09	-5.588E-09	1.528E-15	1.368E-07	1.742E-07	4.930E-13	2.061E-13
275	5	69.00	2	6.941E-10	-4.325E-09	5.588E-09	1.959E-16	-1.371E-07	-1.870E-07	4.930E-13	-2.061E-13
276	1	0.00	1	-6.887E-10	1.534E+03	4.846E-09	-9.615E-16	2.589E-07	-5.293E+04	0.000E+00	0.000E+00
276	1	0.00	2	7.083E-10	1.534E+03	-4.846E-09	3.035E-15	-3.027E-07	-5.293E+04	0.000E+00	0.000E+00
276	2	17.25	1	-6.887E-10	1.151E+03	4.846E-09	-9.615E-16	1.753E-07	-2.977E+04	-1.210E-05	1.455E-17
276	2	17.25	2	7.083E-10	1.151E+03	-4.846E-09	3.035E-15	-2.191E-07	-2.977E+04	-1.210E-05	-1.956E-17
276	3	34.50	1	-6.887E-10	7.671E+02	4.846E-09	-9.615E-16	9.169E-08	-1.323E+04	-1.648E-05	1.493E-17
276	3	34.50	2	7.083E-10	7.671E+02	-4.846E-09	3.035E-15	-1.355E-07	-1.323E+04	-1.648E-05	-2.160E-17
276	4	51.75	1	-6.887E-10	3.836E+02	4.846E-09	-9.615E-16	8.105E-09	-3.308E+03	-1.256E-05	7.837E-18
276	4	51.75	2	7.083E-10	3.836E+02	-4.846E-09	3.035E-15	-5.194E-08	-3.308E+03	-1.256E-05	-1.284E-17
276	5	69.00	1	-6.887E-10	1.756E-09	4.846E-09	-9.615E-16	-7.548E-08	7.118E-08	4.930E-13	4.940E-24
276	5	69.00	2	7.083E-10	1.843E-09	-4.846E-09	3.035E-15	3.165E-08	7.720E-08	4.930E-13	-4.867E-24

277	1	0.00	1	5.585E-09	1.721E-09	-3.143E-08	0.000E+00	1.073E-06	8.123E-08	0.000E+00	0.000E+00
277	1	0.00	2	-5.591E-09	-9.423E-10	3.143E-08	0.000E+00	-1.073E-06	1.203E-07	0.000E+00	0.000E+00
277	2	17.25	1	5.585E-09	-3.836E+02	-1.164E+02	0.000E+00	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
277	2	17.25	2	-5.591E-09	-3.836E+02	1.164E+02	0.000E+00	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06
277	3	34.50	1	5.585E-09	-7.671E+02	-2.329E+02	0.000E+00	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
277	3	34.50	2	-5.591E-09	-7.671E+02	2.329E+02	0.000E+00	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
277	4	51.75	1	5.585E-09	-1.151E+03	-3.493E+02	0.000E+00	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
277	4	51.75	2	-5.591E-09	-1.151E+03	3.493E+02	0.000E+00	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06
277	5	69.00	1	5.585E-09	-1.534E+03	-4.658E+02	0.000E+00	1.607E+04	-5.293E+04	9.737E-15	6.161E-15
277	5	69.00	2	-5.591E-09	-1.534E+03	4.658E+02	0.000E+00	-1.607E+04	-5.293E+04	9.737E-15	-6.161E-15
278	1	0.00	1	-5.591E-09	-2.313E-10	1.607E-08	0.000E+00	1.699E-06	8.230E-08	0.000E+00	0.000E+00
278	1	0.00	2	5.585E-09	-2.094E-10	-1.607E-08	0.000E+00	-1.699E-06	7.671E-08	0.000E+00	0.000E+00
278	2	17.25	1	-5.591E-09	-3.836E+02	1.607E-08	0.000E+00	1.422E-06	-3.308E+03	-1.256E-05	1.491E-16
278	2	17.25	2	5.585E-09	-3.836E+02	-1.607E-08	0.000E+00	-1.422E-06	-3.308E+03	-1.256E-05	-1.491E-16
278	3	34.50	1	-5.591E-09	-7.671E+02	1.607E-08	0.000E+00	1.144E-06	-1.323E+04	-1.648E-05	1.840E-16
278	3	34.50	2	5.585E-09	-7.671E+02	-1.607E-08	0.000E+00	-1.144E-06	-1.323E+04	-1.648E-05	-1.840E-16
278	4	51.75	1	-5.591E-09	-1.151E+03	1.607E-08	0.000E+00	8.673E-07	-2.977E+04	-1.210E-05	1.268E-16
278	4	51.75	2	5.585E-09	-1.151E+03	-1.607E-08	0.000E+00	-8.673E-07	-2.977E+04	-1.210E-05	-1.268E-16
278	5	69.00	1	-5.591E-09	-1.534E+03	1.607E-08	0.000E+00	5.902E-07	-5.293E+04	9.750E-15	5.210E-23
278	5	69.00	2	5.585E-09	-1.534E+03	-1.607E-08	0.000E+00	-5.902E-07	-5.293E+04	9.750E-15	-5.210E-23
279	1	0.00	1	1.403E+04	5.985E+04	-6.881E+01	1.732E-01	-2.128E+06	-5.223E+04	0.000E+00	0.000E+00
279	1	0.00	2	-1.416E+04	5.985E+04	6.149E+01	1.705E-01	2.128E+06	-5.364E+04	0.000E+00	0.000E+00
279	2	45.25	1	1.403E+04	5.884E+04	-3.743E+02	1.732E-01	-2.118E+06	2.633E+06	-1.673E-03	-1.769E-03
279	2	45.25	2	-1.416E+04	5.885E+04	3.669E+02	1.705E-01	2.119E+06	2.632E+06	-1.673E-03	1.769E-03
279	3	90.50	1	1.403E+04	5.784E+04	-6.797E+02	1.732E-01	-2.095E+06	5.273E+06	-2.653E-03	-2.348E-03
279	3	90.50	2	-1.416E+04	5.784E+04	6.724E+02	1.705E-01	2.095E+06	5.272E+06	-2.652E-03	2.349E-03
279	4	135.75	1	1.403E+04	5.683E+04	-9.851E+02	1.732E-01	-2.057E+06	7.867E+06	-2.303E-03	-1.752E-03
279	4	135.75	2	-1.416E+04	5.683E+04	9.778E+02	1.705E-01	2.058E+06	7.866E+06	-2.303E-03	1.752E-03
279	5	181.00	1	1.403E+04	5.582E+04	-1.291E+03	1.732E-01	-2.005E+06	1.042E+07	-5.445E-11	2.223E-10
279	5	181.00	2	-1.416E+04	5.583E+04	1.283E+03	1.705E-01	2.007E+06	1.042E+07	-5.458E-11	-2.224E-10
280	1	0.00	1	-1.416E+04	5.985E+04	-3.969E+02	-1.705E-01	-2.146E+06	-5.364E+04	0.000E+00	0.000E+00
280	1	0.00	2	1.403E+04	5.985E+04	4.043E+02	-1.732E-01	2.146E+06	-5.223E+04	0.000E+00	0.000E+00
280	2	45.25	1	-1.416E+04	5.885E+04	-3.969E+02	-1.705E-01	-2.128E+06	2.632E+06	-1.673E-03	-1.756E-03
280	2	45.25	2	1.403E+04	5.884E+04	4.043E+02	-1.732E-01	2.128E+06	2.633E+06	-1.673E-03	1.755E-03
280	3	90.50	1	-1.416E+04	5.784E+04	-3.969E+02	-1.705E-01	-2.110E+06	5.272E+06	-2.652E-03	-2.334E-03
280	3	90.50	2	1.403E+04	5.784E+04	4.043E+02	-1.732E-01	2.110E+06	5.273E+06	-2.653E-03	2.334E-03
280	4	135.75	1	-1.416E+04	5.683E+04	-3.969E+02	-1.705E-01	-2.092E+06	7.866E+06	-2.303E-03	-1.746E-03
280	4	135.75	2	1.403E+04	5.683E+04	4.043E+02	-1.732E-01	2.092E+06	7.867E+06	-2.303E-03	1.745E-03
280	5	181.00	1	-1.416E+04	5.583E+04	-3.969E+02	-1.705E-01	-2.074E+06	1.042E+07	-5.458E-11	-1.407E-10
280	5	181.00	2	1.403E+04	5.582E+04	4.043E+02	-1.732E-01	2.073E+06	1.042E+07	-5.445E-11	1.407E-10
281	1	0.00	1	1.856E+04	4.489E+04	-6.738E+01	2.932E-02	-2.691E+06	1.042E+07	0.000E+00	0.000E+00
281	1	0.00	2	-1.865E+04	4.489E+04	6.964E+01	2.729E-02	2.692E+06	1.042E+07	0.000E+00	0.000E+00
281	2	127.25	1	1.856E+04	4.206E+04	-9.263E+02	2.932E-02	-2.628E+06	1.595E+07	-5.586E-02	-1.652E-02
281	2	127.25	2	-1.864E+04	4.206E+04	9.286E+02	2.729E-02	2.629E+06	1.595E+07	-5.586E-02	1.652E-02
281	3	254.50	1	1.856E+04	3.923E+04	-1.785E+03	2.932E-02	-2.455E+06	2.112E+07	-8.094E-02	-2.144E-02
281	3	254.50	2	-1.864E+04	3.923E+04	1.788E+03	2.729E-02	2.456E+06	2.112E+07	-8.093E-02	2.145E-02
281	4	381.75	1	1.857E+04	3.640E+04	-2.644E+03	2.932E-02	-2.173E+06	2.593E+07	-6.537E-02	-1.553E-02
281	4	381.75	2	-1.864E+04	3.640E+04	2.646E+03	2.729E-02	2.174E+06	2.593E+07	-6.537E-02	1.553E-02
281	5	509.00	1	1.857E+04	3.357E+04	-3.503E+03	2.932E-02	-1.782E+06	3.039E+07	-6.468E-10	1.506E-09
281	5	509.00	2	-1.864E+04	3.358E+04	3.505E+03	2.729E-02	1.782E+06	3.039E+07	-6.474E-10	-1.506E-09
282	1	0.00	1	-1.865E+04	4.489E+04	-1.620E+03	-2.729E-02	-2.761E+06	1.042E+07	0.000E+00	0.000E+00
282	1	0.00	2	1.856E+04	4.489E+04	1.618E+03	-2.932E-02	2.760E+06	1.042E+07	0.000E+00	0.000E+00
282	2	127.25	1	-1.864E+04	4.206E+04	-1.620E+03	-2.729E-02	-2.554E+06	1.595E+07	-5.586E-02	-1.586E-02
282	2	127.25	2	1.856E+04	4.206E+04	1.618E+03	-2.932E-02	2.554E+06	1.595E+07	-5.586E-02	1.585E-02
282	3	254.50	1	-1.864E+04	3.923E+04	-1.620E+03	-2.729E-02	-2.348E+06	2.112E+07	-8.093E-02	-2.054E-02
282	3	254.50	2	1.856E+04	3.923E+04	1.618E+03	-2.932E-02	2.348E+06	2.112E+07	-8.094E-02	2.054E-02
282	4	381.75	1	-1.864E+04	3.640E+04	-1.620E+03	-2.729E-02	-2.142E+06	2.593E+07	-6.537E-02	-1.496E-02
282	4	381.75	2	1.857E+04	3.640E+04	1.618E+03	-2.932E-02	2.142E+06	2.593E+07	-6.537E-02	1.495E-02
282	5	509.00	1	-1.864E+04	3.358E+04	-1.620E+03	-2.729E-02	-1.936E+06	3.039E+07	-6.474E-10	-1.195E-09
282	5	509.00	2	1.857E+04	3.357E+04	1.618E+03	-2.932E-02	1.936E+06	3.039E+07	-6.468E-10	1.196E-09
283	1	0.00	1	2.427E+04	1.931E+04	-1.690E+03	1.514E-02	-2.648E+06	3.039E+07	0.000E+00	0.000E+00
283	1	0.00	2	-2.431E+04	1.931E+04	1.696E+03	1.311E-02	2.648E+06	3.039E+07	0.000E+00	0.000E+00

283	2	127.50	1	2.427E+04	1.647E+04	-2.551E+03	1.514E-02	-2.378E+06	3.267E+07	-9.780E-02	-1.403E-02
283	2	127.50	2	-2.431E+04	1.647E+04	2.557E+03	1.311E-02	2.377E+06	3.267E+07	-9.781E-02	1.402E-02
283	3	255.00	1	2.428E+04	1.364E+04	-3.412E+03	1.514E-02	-1.998E+06	3.459E+07	-1.327E-01	-1.751E-02
283	3	255.00	2	-2.430E+04	1.364E+04	3.418E+03	1.311E-02	1.996E+06	3.459E+07	-1.327E-01	1.749E-02
283	4	382.50	1	2.428E+04	1.080E+04	-4.272E+03	1.514E-02	-1.508E+06	3.614E+07	-1.011E-01	-1.212E-02
283	4	382.50	2	-2.430E+04	1.080E+04	4.278E+03	1.311E-02	1.505E+06	3.614E+07	-1.011E-01	1.210E-02
283	5	510.00	1	2.428E+04	7.965E+03	-5.133E+03	1.514E-02	-9.083E+05	3.734E+07	-1.746E-09	3.146E-09
283	5	510.00	2	-2.430E+04	7.968E+03	5.139E+03	1.311E-02	9.049E+05	3.734E+07	-1.746E-09	-3.147E-09
284	1	0.00	1	-2.431E+04	1.931E+04	-3.433E+03	-1.311E-02	-2.801E+06	3.039E+07	0.000E+00	0.000E+00
284	1	0.00	2	2.427E+04	1.931E+04	3.427E+03	-1.514E-02	2.802E+06	3.039E+07	0.000E+00	0.000E+00
284	2	127.50	1	-2.431E+04	1.647E+04	-3.433E+03	-1.311E-02	-2.364E+06	3.267E+07	-9.781E-02	-1.365E-02
284	2	127.50	2	2.427E+04	1.647E+04	3.427E+03	-1.514E-02	2.365E+06	3.267E+07	-9.780E-02	1.366E-02
284	3	255.00	1	-2.430E+04	1.364E+04	-3.433E+03	-1.311E-02	-1.926E+06	3.459E+07	-1.327E-01	-1.692E-02
284	3	255.00	2	2.428E+04	1.364E+04	3.427E+03	-1.514E-02	1.928E+06	3.459E+07	-1.327E-01	1.693E-02
284	4	382.50	1	-2.430E+04	1.080E+04	-3.433E+03	-1.311E-02	-1.488E+06	3.614E+07	-1.011E-01	-1.173E-02
284	4	382.50	2	2.428E+04	1.080E+04	3.427E+03	-1.514E-02	1.491E+06	3.614E+07	-1.011E-01	1.174E-02
284	5	510.00	1	-2.430E+04	7.968E+03	-3.433E+03	-1.311E-02	-1.051E+06	3.734E+07	-1.746E-09	3.216E-09
284	5	510.00	2	2.428E+04	7.965E+03	3.427E+03	-1.514E-02	1.054E+06	3.734E+07	-1.746E-09	-3.215E-09
285	1	0.00	1	3.100E+04	-7.968E+03	-3.489E+03	-1.316E-02	-1.929E+06	3.734E+07	0.000E+00	0.000E+00
285	1	0.00	2	-3.099E+04	-7.965E+03	3.372E+03	-1.509E-02	1.925E+06	3.734E+07	0.000E+00	0.000E+00
285	2	127.50	1	3.101E+04	-1.080E+04	-4.350E+03	-1.316E-02	-1.429E+06	3.614E+07	-1.011E-01	-6.771E-03
285	2	127.50	2	-3.098E+04	-1.080E+04	4.233E+03	-1.509E-02	1.440E+06	3.614E+07	-1.011E-01	6.911E-03
285	3	255.00	1	3.101E+04	-1.364E+04	-5.211E+03	-1.316E-02	-8.196E+05	3.458E+07	-1.327E-01	-7.163E-03
285	3	255.00	2	-3.098E+04	-1.364E+04	5.093E+03	-1.509E-02	8.460E+05	3.459E+07	-1.327E-01	7.394E-03
285	4	382.50	1	3.101E+04	-1.647E+04	-6.071E+03	-1.316E-02	-1.004E+06	3.267E+07	-9.780E-02	-3.853E-03
285	4	382.50	2	-3.098E+04	-1.647E+04	5.954E+03	-1.509E-02	1.417E+06	3.267E+07	-9.781E-02	4.060E-03
285	5	510.00	1	3.101E+04	-1.931E+04	-6.932E+03	-1.316E-02	7.286E+05	3.038E+07	2.433E-09	1.808E-09
285	5	510.00	2	-3.098E+04	-1.931E+04	6.815E+03	-1.509E-02	-6.723E+05	3.039E+07	2.433E-09	-1.806E-09
286	1	0.00	1	-3.099E+04	-7.965E+03	-5.076E+03	1.509E-02	-2.071E+06	3.734E+07	0.000E+00	0.000E+00
286	1	0.00	2	3.100E+04	-7.968E+03	5.194E+03	1.316E-02	2.075E+06	3.734E+07	0.000E+00	0.000E+00
286	2	127.50	1	-3.098E+04	-1.080E+04	-5.076E+03	1.509E-02	-1.424E+06	3.614E+07	-1.011E-01	-6.536E-03
286	2	127.50	2	3.101E+04	-1.080E+04	5.194E+03	1.316E-02	1.412E+06	3.614E+07	-1.011E-01	6.396E-03
286	3	255.00	1	-3.098E+04	-1.364E+04	-5.076E+03	1.509E-02	-7.766E+05	3.459E+07	-1.327E-01	-6.820E-03
286	3	255.00	2	3.101E+04	-1.364E+04	5.194E+03	1.316E-02	7.503E+05	3.458E+07	-1.327E-01	6.589E-03
286	4	382.50	1	-3.098E+04	-1.647E+04	-5.076E+03	1.509E-02	-1.294E+06	3.267E+07	-9.781E-02	-3.694E-03
286	4	382.50	2	3.101E+04	-1.647E+04	5.194E+03	1.316E-02	8.807E+05	3.267E+07	-9.780E-02	3.488E-03
286	5	510.00	1	-3.098E+04	-1.931E+04	-5.076E+03	1.509E-02	5.178E+05	3.039E+07	2.433E-09	-7.740E-10
286	5	510.00	2	3.101E+04	-1.931E+04	5.194E+03	1.316E-02	-5.741E+05	3.038E+07	2.433E-09	7.726E-10
287	1	0.00	1	3.826E+04	-3.358E+04	-4.568E+03	-2.743E-02	-3.720E+05	3.038E+07	0.000E+00	0.000E+00
287	1	0.00	2	-3.819E+04	-3.357E+04	5.540E+03	-2.919E-02	4.287E+05	3.039E+07	0.000E+00	0.000E+00
287	2	127.25	1	3.826E+04	-3.640E+04	-5.427E+03	-2.743E-02	2.640E+05	2.593E+07	-6.536E-02	4.957E-03
287	2	127.25	2	-3.819E+04	-3.640E+04	6.399E+03	-2.919E-02	-3.310E+05	2.593E+07	-6.537E-02	-5.938E-03
287	3	254.50	1	3.827E+04	-3.923E+04	-6.286E+03	-2.743E-02	1.009E+06	2.112E+07	-8.093E-02	8.862E-03
287	3	254.50	2	-3.819E+04	-3.923E+04	7.258E+03	-2.919E-02	-1.200E+06	2.112E+07	-8.094E-02	-1.053E-02
287	4	381.75	1	3.827E+04	-4.206E+04	-7.145E+03	-2.743E-02	1.864E+06	1.595E+07	-5.586E-02	8.456E-03
287	4	381.75	2	-3.819E+04	-4.206E+04	8.117E+03	-2.919E-02	-2.178E+06	1.595E+07	-5.587E-02	-9.978E-03
287	5	509.00	1	3.827E+04	-4.489E+04	-8.004E+03	-2.743E-02	2.828E+06	1.041E+07	-1.329E-08	1.258E-10
287	5	509.00	2	-3.818E+04	-4.489E+04	8.976E+03	-2.919E-02	-3.266E+06	1.042E+07	-1.329E-08	-1.366E-10
288	1	0.00	1	-3.819E+04	-3.357E+04	-7.440E+03	2.918E-02	-5.832E+05	3.039E+07	0.000E+00	0.000E+00
288	1	0.00	2	3.826E+04	-3.358E+04	6.468E+03	2.743E-02	5.265E+05	3.038E+07	0.000E+00	0.000E+00
288	2	127.25	1	-3.819E+04	-3.640E+04	-7.440E+03	2.918E-02	3.635E+05	2.593E+07	-6.537E-02	6.526E-03
288	2	127.25	2	3.826E+04	-3.640E+04	6.468E+03	2.743E-02	-2.965E+05	2.593E+07	-6.536E-02	-5.545E-03
288	3	254.50	1	-3.819E+04	-3.923E+04	-7.440E+03	2.918E-02	1.310E+06	2.112E+07	-8.094E-02	1.146E-02
288	3	254.50	2	3.827E+04	-3.923E+04	6.468E+03	2.743E-02	-1.120E+06	2.112E+07	-8.093E-02	-9.793E-03
288	4	381.75	1	-3.819E+04	-4.206E+04	-7.440E+03	2.918E-02	2.257E+06	1.595E+07	-5.587E-02	1.067E-02
288	4	381.75	2	3.827E+04	-4.206E+04	6.468E+03	2.743E-02	-1.943E+06	1.595E+07	-5.586E-02	-9.145E-03
288	5	509.00	1	-3.818E+04	-4.489E+04	-7.440E+03	2.918E-02	3.204E+06	1.042E+07	-1.329E-08	3.790E-10
288	5	509.00	2	3.827E+04	-4.489E+04	6.468E+03	2.743E-02	-2.766E+06	1.041E+07	-1.329E-08	-3.682E-10
289	1	0.00	1	4.520E+04	-5.582E+04	-8.574E+03	-1.716E-01	1.773E+06	1.041E+07	0.000E+00	0.000E+00
289	1	0.00	2	-4.508E+04	-5.583E+04	6.021E+03	-1.721E-01	-2.215E+06	1.042E+07	0.000E+00	0.000E+00
289	2	45.25	1	4.520E+04	-5.683E+04	-8.880E+03	-1.716E-01	2.168E+06	7.865E+06	-2.303E-03	2.000E-03
289	2	45.25	2	-4.508E+04	-5.684E+04	6.326E+03	-1.721E-01	-2.495E+06	7.868E+06	-2.304E-03	-2.207E-03

289	3	90.50	1	4.521E+04	-5.783E+04	-9.185E+03	-1.716E-01	2.577E+06	5.271E+06	-2.652E-03	2.819E-03
289	3	90.50	2	-4.508E+04	-5.784E+04	6.632E+03	-1.721E-01	-2.788E+06	5.274E+06	-2.653E-03	-3.052E-03
289	4	135.75	1	4.521E+04	-5.884E+04	-9.491E+03	-1.716E-01	2.999E+06	2.632E+06	-1.673E-03	2.230E-03
289	4	135.75	2	-4.508E+04	-5.885E+04	6.937E+03	-1.721E-01	-3.095E+06	2.633E+06	-1.673E-03	-2.373E-03
289	5	181.00	1	4.521E+04	-5.984E+04	-9.796E+03	-1.716E-01	3.435E+06	-5.355E+04	-8.975E-10	4.852E-10
289	5	181.00	2	-4.508E+04	-5.986E+04	7.243E+03	-1.721E-01	-3.415E+06	-5.231E+04	-8.976E-10	-4.275E-10
290	1	0.00	1	-4.508E+04	-5.583E+04	-6.870E+03	1.721E-01	2.154E+06	1.042E+07	0.000E+00	0.000E+00
290	1	0.00	2	4.520E+04	-5.582E+04	9.423E+03	1.716E-01	-1.712E+06	1.041E+07	0.000E+00	0.000E+00
290	2	45.25	1	-4.508E+04	-5.684E+04	-6.870E+03	1.721E-01	2.465E+06	7.868E+06	-2.304E-03	2.217E-03
290	2	45.25	2	4.520E+04	-5.683E+04	9.423E+03	1.716E-01	-2.138E+06	7.865E+06	-2.303E-03	-2.010E-03
290	3	90.50	1	-4.508E+04	-5.784E+04	-6.870E+03	1.721E-01	2.776E+06	5.274E+06	-2.653E-03	3.070E-03
290	3	90.50	2	4.521E+04	-5.783E+04	9.423E+03	1.716E-01	-2.564E+06	5.271E+06	-2.652E-03	-2.837E-03
290	4	135.75	1	-4.508E+04	-5.885E+04	-6.870E+03	1.721E-01	3.086E+06	2.633E+06	-1.673E-03	2.389E-03
290	4	135.75	2	4.521E+04	-5.884E+04	9.423E+03	1.716E-01	-2.991E+06	2.632E+06	-1.673E-03	-2.245E-03
290	5	181.00	1	-4.508E+04	-5.986E+04	-6.870E+03	1.721E-01	3.397E+06	-5.231E+04	-8.976E-10	3.395E-10
290	5	181.00	2	4.521E+04	-5.984E+04	9.423E+03	1.716E-01	-3.417E+06	-5.355E+04	-8.975E-10	-3.972E-10
291	1	0.00	1	-2.224E+00	1.534E+03	4.658E+02	-2.383E-10	1.607E+04	-5.293E+04	0.000E+00	0.000E+00
291	1	0.00	2	-2.224E+00	1.534E+03	-4.658E+02	2.377E-10	-1.607E+04	-5.293E+04	0.000E+00	0.000E+00
291	2	17.25	1	-1.668E+00	1.151E+03	3.493E+02	-2.383E-10	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
291	2	17.25	2	-1.668E+00	1.151E+03	-3.493E+02	2.377E-10	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06
291	3	34.50	1	-1.112E+00	7.671E+02	2.329E+02	-2.383E-10	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
291	3	34.50	2	-1.112E+00	7.671E+02	-2.329E+02	2.377E-10	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
291	4	51.75	1	-5.559E-01	3.836E+02	1.164E+02	-2.383E-10	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
291	4	51.75	2	-5.559E-01	3.836E+02	-1.164E+02	2.377E-10	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06
291	5	69.00	1	-5.444E-09	-4.443E-09	7.756E-10	-2.383E-10	-3.188E-08	-2.883E-07	2.092E-13	-3.648E-13
291	5	69.00	2	5.704E-09	5.161E-09	-5.939E-10	2.377E-10	2.685E-08	-7.260E-08	2.092E-13	3.648E-13
292	1	0.00	1	-2.224E+00	1.534E+03	-3.547E-09	-4.171E-10	-1.760E-07	-5.293E+04	0.000E+00	0.000E+00
292	1	0.00	2	-2.224E+00	1.534E+03	3.438E-09	4.053E-10	1.817E-07	-5.293E+04	0.000E+00	0.000E+00
292	2	17.25	1	-1.668E+00	1.151E+03	-3.547E-09	-4.171E-10	-1.148E-07	-2.977E+04	-1.210E-05	-8.952E-18
292	2	17.25	2	-1.668E+00	1.151E+03	3.438E-09	4.053E-10	1.224E-07	-2.977E+04	-1.210E-05	9.954E-18
292	3	34.50	1	-1.112E+00	7.671E+02	-3.547E-09	-4.171E-10	-5.360E-08	-1.323E+04	-1.648E-05	-8.651E-18
292	3	34.50	2	-1.112E+00	7.671E+02	3.438E-09	4.053E-10	6.305E-08	-1.323E+04	-1.648E-05	1.010E-17
292	4	51.75	1	-5.559E-01	3.836E+02	-3.547E-09	-4.171E-10	7.577E-09	-3.308E+03	-1.256E-05	-4.025E-18
292	4	51.75	2	-5.559E-01	3.836E+02	3.438E-09	4.053E-10	3.735E-09	-3.308E+03	-1.256E-05	5.196E-18
292	5	69.00	1	8.588E-09	-2.857E-10	-3.547E-09	-4.171E-10	6.875E-08	7.113E-09	2.092E-13	-4.269E-24
292	5	69.00	2	-8.716E-09	2.382E-10	3.438E-09	4.053E-10	-5.558E-08	-6.850E-08	2.092E-13	4.126E-24
293	1	0.00	1	-2.370E-09	6.982E-10	-6.851E-10	-1.959E-12	-3.957E-08	1.164E-08	0.000E+00	0.000E+00
293	1	0.00	2	2.378E-09	-1.749E-10	6.846E-10	1.951E-12	3.911E-08	6.752E-08	0.000E+00	0.000E+00
293	2	17.25	1	5.559E-01	-3.836E+02	-1.164E+02	-1.959E-12	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
293	2	17.25	2	5.559E-01	-3.836E+02	1.164E+02	1.951E-12	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06
293	3	34.50	1	1.112E+00	-7.671E+02	-2.329E+02	-1.959E-12	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
293	3	34.50	2	1.112E+00	-7.671E+02	2.329E+02	1.951E-12	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
293	4	51.75	1	1.668E+00	-1.151E+03	-3.493E+02	-1.959E-12	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
293	4	51.75	2	1.668E+00	-1.151E+03	3.493E+02	1.951E-12	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06
293	5	69.00	1	2.224E+00	-1.534E+03	-4.658E+02	-1.959E-12	1.607E+04	-5.293E+04	-1.808E-14	-3.398E-15
293	5	69.00	2	2.224E+00	-1.534E+03	4.658E+02	1.951E-12	-1.607E+04	-5.293E+04	-1.808E-14	3.398E-15
294	1	0.00	1	2.577E-09	-1.205E-09	-2.099E-09	-2.227E-12	-8.932E-08	1.237E-07	0.000E+00	0.000E+00
294	1	0.00	2	-2.575E-09	1.175E-09	2.092E-09	2.234E-12	8.950E-08	7.902E-08	0.000E+00	0.000E+00
294	2	17.25	1	5.559E-01	-3.836E+02	-2.099E-09	-2.227E-12	-5.312E-08	-3.308E+03	-1.256E-05	-3.516E-18
294	2	17.25	2	5.559E-01	-3.836E+02	2.092E-09	2.234E-12	5.340E-08	-3.308E+03	-1.256E-05	3.516E-18
294	3	34.50	1	1.112E+00	-7.671E+02	-2.099E-09	-2.227E-12	-1.692E-08	-1.323E+04	-1.648E-05	-2.751E-18
294	3	34.50	2	1.112E+00	-7.671E+02	2.092E-09	2.234E-12	1.731E-08	-1.323E+04	-1.648E-05	2.751E-18
294	4	51.75	1	1.668E+00	-1.151E+03	-2.099E-09	-2.227E-12	1.929E-08	-2.977E+04	-1.210E-05	-6.105E-19
294	4	51.75	2	1.668E+00	-1.151E+03	2.092E-09	2.234E-12	-1.878E-08	-2.977E+04	-1.210E-05	6.105E-19
294	5	69.00	1	2.224E+00	-1.534E+03	-2.099E-09	-2.227E-12	5.549E-08	-5.293E+04	-1.809E-14	-7.974E-25
294	5	69.00	2	2.224E+00	-1.534E+03	2.092E-09	2.234E-12	-5.487E-08	-5.293E+04	-1.809E-14	7.974E-25
295	1	0.00	1	4.508E+04	5.986E+04	9.816E+03	1.694E-01	3.436E+06	-5.430E+04	0.000E+00	0.000E+00
295	1	0.00	2	-4.521E+04	5.984E+04	-7.223E+03	1.743E-01	-3.415E+06	-5.156E+04	0.000E+00	0.000E+00
295	2	45.25	1	4.508E+04	5.885E+04	9.510E+03	1.694E-01	2.998E+06	2.632E+06	-1.673E-03	2.229E-03
295	2	45.25	2	-4.521E+04	5.884E+04	-6.917E+03	1.743E-01	-3.096E+06	2.633E+06	-1.673E-03	-2.374E-03
295	3	90.50	1	4.508E+04	5.785E+04	9.205E+03	1.694E-01	2.575E+06	5.272E+06	-2.652E-03	2.817E-03
295	3	90.50	2	-4.521E+04	5.783E+04	-6.612E+03	1.743E-01	-2.789E+06	5.273E+06	-2.653E-03	-3.054E-03

295	4	135.75	1	4.508E+04	5.684E+04	8.900E+03	1.694E-01	2.165E+06	7.867E+06	-2.303E-03	1.998E-03
295	4	135.75	2	-4.520E+04	5.682E+04	-6.306E+03	1.743E-01	-2.497E+06	7.867E+06	-2.303E-03	-2.209E-03
295	5	181.00	1	4.508E+04	5.583E+04	8.594E+03	1.694E-01	1.769E+06	1.042E+07	-1.628E-10	4.448E-10
295	5	181.00	2	-4.520E+04	5.582E+04	-6.001E+03	1.743E-01	-2.219E+06	1.042E+07	-1.628E-10	-4.489E-10
296	1	0.00	1	-4.521E+04	5.984E+04	6.850E+03	-1.742E-01	3.397E+06	-5.156E+04	0.000E+00	0.000E+00
296	1	0.00	2	4.508E+04	5.986E+04	-9.443E+03	-1.694E-01	-3.417E+06	-5.430E+04	0.000E+00	0.000E+00
296	2	45.25	1	-4.521E+04	5.884E+04	6.850E+03	-1.742E-01	3.087E+06	2.633E+06	-1.673E-03	2.390E-03
296	2	45.25	2	4.508E+04	5.885E+04	-9.443E+03	-1.694E-01	-2.990E+06	2.632E+06	-1.673E-03	-2.244E-03
296	3	90.50	1	-4.521E+04	5.783E+04	6.850E+03	-1.742E-01	2.777E+06	5.273E+06	-2.653E-03	3.072E-03
296	3	90.50	2	4.508E+04	5.785E+04	-9.443E+03	-1.694E-01	-2.563E+06	5.272E+06	-2.652E-03	-2.835E-03
296	4	135.75	1	-4.520E+04	5.682E+04	6.850E+03	-1.742E-01	2.467E+06	7.867E+06	-2.303E-03	2.218E-03
296	4	135.75	2	4.508E+04	5.684E+04	-9.443E+03	-1.694E-01	-2.135E+06	7.867E+06	-2.303E-03	-2.008E-03
296	5	181.00	1	-4.520E+04	5.582E+04	6.850E+03	-1.742E-01	2.157E+06	1.042E+07	-1.628E-10	1.669E-10
296	5	181.00	2	4.508E+04	5.583E+04	-9.443E+03	-1.694E-01	-1.708E+06	1.042E+07	-1.628E-10	-1.628E-10
297	1	0.00	1	3.818E+04	4.489E+04	7.996E+03	2.647E-02	2.824E+06	1.042E+07	0.000E+00	0.000E+00
297	1	0.00	2	-3.827E+04	4.489E+04	-8.984E+03	3.014E-02	-3.269E+06	1.042E+07	0.000E+00	0.000E+00
297	2	127.25	1	3.819E+04	4.206E+04	7.137E+03	2.647E-02	1.861E+06	1.595E+07	-5.586E-02	8.443E-03
297	2	127.25	2	-3.827E+04	4.206E+04	-8.126E+03	3.014E-02	-2.181E+06	1.595E+07	-5.586E-02	-9.990E-03
297	3	254.50	1	3.819E+04	3.923E+04	6.278E+03	2.647E-02	1.008E+06	2.112E+07	-8.093E-02	8.849E-03
297	3	254.50	2	-3.827E+04	3.923E+04	-7.267E+03	3.014E-02	-1.202E+06	2.112E+07	-8.093E-02	-1.054E-02
297	4	381.75	1	3.819E+04	3.640E+04	5.419E+03	2.647E-02	2.635E+05	2.593E+07	-6.537E-02	4.949E-03
297	4	381.75	2	-3.826E+04	3.640E+04	-6.408E+03	3.014E-02	-3.315E+05	2.593E+07	-6.537E-02	-5.946E-03
297	5	509.00	1	3.819E+04	3.358E+04	4.560E+03	2.647E-02	-3.714E+05	3.039E+07	-1.285E-09	-2.132E-09
297	5	509.00	2	-3.826E+04	3.357E+04	-5.549E+03	3.014E-02	4.292E+05	3.038E+07	-1.285E-09	1.939E-09
298	1	0.00	1	-3.827E+04	4.489E+04	7.448E+03	-3.014E-02	3.207E+06	1.042E+07	0.000E+00	0.000E+00
298	1	0.00	2	3.818E+04	4.489E+04	-6.460E+03	-2.647E-02	-2.762E+06	1.042E+07	0.000E+00	0.000E+00
298	2	127.25	1	-3.827E+04	4.206E+04	7.448E+03	-3.014E-02	2.260E+06	1.595E+07	-5.586E-02	1.068E-02
298	2	127.25	2	3.819E+04	4.206E+04	-6.460E+03	-2.647E-02	-1.940E+06	1.595E+07	-5.586E-02	-9.133E-03
298	3	254.50	1	-3.827E+04	3.923E+04	7.448E+03	-3.014E-02	1.312E+06	2.112E+07	-8.093E-02	1.148E-02
298	3	254.50	2	3.819E+04	3.923E+04	-6.460E+03	-2.647E-02	-1.118E+06	2.112E+07	-8.093E-02	-9.780E-03
298	4	381.75	1	-3.826E+04	3.640E+04	7.448E+03	-3.014E-02	3.640E+05	2.593E+07	-6.537E-02	6.534E-03
298	4	381.75	2	3.819E+04	3.640E+04	-6.460E+03	-2.647E-02	-2.960E+05	2.593E+07	-6.537E-02	-5.537E-03
298	5	509.00	1	-3.826E+04	3.357E+04	7.448E+03	-3.014E-02	-5.838E+05	3.038E+07	-1.285E-09	2.347E-09
298	5	509.00	2	3.819E+04	3.358E+04	-6.460E+03	-2.647E-02	5.259E+05	3.039E+07	-1.285E-09	-2.154E-09
299	1	0.00	1	3.098E+04	1.931E+04	6.933E+03	1.233E-02	7.290E+05	3.039E+07	0.000E+00	0.000E+00
299	1	0.00	2	-3.101E+04	1.931E+04	-6.814E+03	1.591E-02	-6.719E+05	3.039E+07	0.000E+00	0.000E+00
299	2	127.50	1	3.098E+04	1.647E+04	6.072E+03	1.233E-02	-1.001E+05	3.267E+07	-9.781E-02	-3.852E-03
299	2	127.50	2	-3.101E+04	1.647E+04	-5.953E+03	1.591E-02	1.420E+05	3.267E+07	-9.780E-02	4.061E-03
299	3	255.00	1	3.098E+04	1.364E+04	5.211E+03	1.233E-02	-8.194E+05	3.459E+07	-1.327E-01	-7.161E-03
299	3	255.00	2	-3.101E+04	1.364E+04	-5.093E+03	1.591E-02	8.462E+05	3.459E+07	-1.327E-01	7.396E-03
299	4	382.50	1	3.098E+04	1.080E+04	4.351E+03	1.233E-02	-1.429E+06	3.614E+07	-1.011E-01	-6.769E-03
299	4	382.50	2	-3.101E+04	1.080E+04	-4.232E+03	1.591E-02	1.441E+06	3.614E+07	-1.011E-01	6.912E-03
299	5	510.00	1	3.099E+04	7.968E+03	3.490E+03	1.233E-02	-1.929E+06	3.734E+07	-1.517E-09	2.795E-10
299	5	510.00	2	-3.100E+04	7.965E+03	-3.371E+03	1.591E-02	1.925E+06	3.734E+07	-1.517E-09	-2.866E-10
300	1	0.00	1	-3.101E+04	1.931E+04	5.076E+03	-1.591E-02	5.175E+05	3.039E+07	0.000E+00	0.000E+00
300	1	0.00	2	3.098E+04	1.931E+04	-5.194E+03	-1.233E-02	-5.745E+05	3.039E+07	0.000E+00	0.000E+00
300	2	127.50	1	-3.101E+04	1.647E+04	5.076E+03	-1.591E-02	-1.297E+05	3.267E+07	-9.780E-02	-3.696E-03
300	2	127.50	2	3.098E+04	1.647E+04	-5.194E+03	-1.233E-02	8.776E+04	3.267E+07	-9.781E-02	3.486E-03
300	3	255.00	1	-3.101E+04	1.364E+04	5.076E+03	-1.591E-02	-7.768E+05	3.459E+07	-1.327E-01	-6.822E-03
300	3	255.00	2	3.098E+04	1.364E+04	-5.194E+03	-1.233E-02	7.500E+05	3.459E+07	-1.327E-01	6.587E-03
300	4	382.50	1	-3.101E+04	1.080E+04	5.076E+03	-1.591E-02	-1.424E+06	3.614E+07	-1.011E-01	-6.537E-03
300	4	382.50	2	3.098E+04	1.080E+04	-5.194E+03	-1.233E-02	1.412E+06	3.614E+07	-1.011E-01	6.394E-03
300	5	510.00	1	-3.100E+04	7.965E+03	5.076E+03	-1.591E-02	-2.071E+06	3.734E+07	-1.517E-09	-1.265E-10
300	5	510.00	2	3.099E+04	7.968E+03	-5.194E+03	-1.233E-02	2.075E+06	3.734E+07	-1.517E-09	1.335E-10
301	1	0.00	1	2.430E+04	-7.965E+03	5.132E+03	-1.586E-02	-9.084E+05	3.734E+07	0.000E+00	0.000E+00
301	1	0.00	2	-2.428E+04	-7.968E+03	-5.139E+03	-1.239E-02	9.048E+05	3.734E+07	0.000E+00	0.000E+00
301	2	127.50	1	2.430E+04	-1.080E+04	4.272E+03	-1.586E-02	-1.508E+06	3.614E+07	-1.011E-01	-1.212E-02
301	2	127.50	2	-2.428E+04	-1.080E+04	-4.279E+03	-1.239E-02	1.505E+06	3.614E+07	-1.011E-01	1.210E-02
301	3	255.00	1	2.430E+04	-1.364E+04	3.411E+03	-1.586E-02	-1.998E+06	3.459E+07	-1.327E-01	-1.751E-02
301	3	255.00	2	-2.428E+04	-1.364E+04	-3.418E+03	-1.239E-02	1.996E+06	3.458E+07	-1.327E-01	1.749E-02
301	4	382.50	1	2.431E+04	-1.647E+04	2.550E+03	-1.586E-02	-2.378E+06	3.267E+07	-9.781E-02	-1.403E-02
301	4	382.50	2	-2.427E+04	-1.647E+04	-2.558E+03	-1.239E-02	2.377E+06	3.267E+07	-9.780E-02	1.402E-02

301	5	510.00	1	2.431E+04	-1.931E+04	1.690E+03	-1.586E-02	-2.648E+06	3.039E+07	2.323E-09	4.154E-09
301	5	510.00	2	-2.427E+04	-1.931E+04	-1.697E+03	-1.239E-02	2.648E+06	3.038E+07	2.324E-09	-4.153E-09
302	1	0.00	1	-2.428E+04	-7.968E+03	3.434E+03	1.239E-02	-1.051E+06	3.734E+07	0.000E+00	0.000E+00
302	1	0.00	2	2.430E+04	-7.965E+03	-3.426E+03	1.586E-02	1.054E+06	3.734E+07	0.000E+00	0.000E+00
302	2	127.50	1	-2.428E+04	-1.080E+04	3.434E+03	1.239E-02	-1.488E+06	3.614E+07	-1.011E-01	-1.173E-02
302	2	127.50	2	2.430E+04	-1.080E+04	-3.426E+03	1.586E-02	1.491E+06	3.614E+07	-1.011E-01	1.174E-02
302	3	255.00	1	-2.428E+04	-1.364E+04	3.434E+03	1.239E-02	-1.926E+06	3.458E+07	-1.327E-01	-1.692E-02
302	3	255.00	2	2.430E+04	-1.364E+04	-3.426E+03	1.586E-02	1.928E+06	3.459E+07	-1.327E-01	1.693E-02
302	4	382.50	1	-2.427E+04	-1.647E+04	3.434E+03	1.239E-02	-2.364E+06	3.267E+07	-9.780E-02	-1.365E-02
302	4	382.50	2	2.431E+04	-1.647E+04	-3.426E+03	1.586E-02	2.365E+06	3.267E+07	-9.781E-02	1.366E-02
302	5	510.00	1	-2.427E+04	-1.931E+04	3.434E+03	1.239E-02	-2.802E+06	3.038E+07	2.324E-09	-4.584E-10
302	5	510.00	2	2.431E+04	-1.931E+04	-3.426E+03	1.586E-02	2.802E+06	3.039E+07	2.323E-09	4.573E-10
303	1	0.00	1	1.864E+04	-3.357E+04	3.505E+03	-3.001E-02	-1.782E+06	3.039E+07	0.000E+00	0.000E+00
303	1	0.00	2	-1.857E+04	-3.358E+04	-3.503E+03	-2.660E-02	1.782E+06	3.038E+07	0.000E+00	0.000E+00
303	2	127.25	1	1.864E+04	-3.640E+04	2.646E+03	-3.001E-02	-2.174E+06	2.593E+07	-6.537E-02	-1.553E-02
303	2	127.25	2	-1.857E+04	-3.640E+04	-2.645E+03	-2.660E-02	2.173E+06	2.593E+07	-6.537E-02	1.553E-02
303	3	254.50	1	1.864E+04	-3.923E+04	1.787E+03	-3.001E-02	-2.456E+06	2.112E+07	-8.094E-02	-2.145E-02
303	3	254.50	2	-1.856E+04	-3.923E+04	-1.786E+03	-2.660E-02	2.455E+06	2.112E+07	-8.093E-02	2.144E-02
303	4	381.75	1	1.864E+04	-4.206E+04	9.282E+02	-3.001E-02	-2.629E+06	1.595E+07	-5.586E-02	-1.652E-02
303	4	381.75	2	-1.856E+04	-4.206E+04	-9.267E+02	-2.660E-02	2.628E+06	1.595E+07	-5.586E-02	1.652E-02
303	5	509.00	1	1.865E+04	-4.489E+04	6.928E+01	-3.001E-02	-2.692E+06	1.042E+07	-1.374E-08	-1.661E-09
303	5	509.00	2	-1.856E+04	-4.489E+04	-6.774E+01	-2.660E-02	2.691E+06	1.041E+07	-1.374E-08	1.661E-09
304	1	0.00	1	-1.857E+04	-3.358E+04	1.618E+03	2.660E-02	-1.936E+06	3.038E+07	0.000E+00	0.000E+00
304	1	0.00	2	1.864E+04	-3.357E+04	-1.620E+03	3.001E-02	1.936E+06	3.039E+07	0.000E+00	0.000E+00
304	2	127.25	1	-1.857E+04	-3.640E+04	1.618E+03	2.660E-02	-2.142E+06	2.593E+07	-6.537E-02	-1.495E-02
304	2	127.25	2	1.864E+04	-3.640E+04	-1.620E+03	3.001E-02	2.142E+06	2.593E+07	-6.537E-02	1.496E-02
304	3	254.50	1	-1.856E+04	-3.923E+04	1.618E+03	2.660E-02	-2.348E+06	2.112E+07	-8.093E-02	-2.054E-02
304	3	254.50	2	1.864E+04	-3.923E+04	-1.620E+03	3.001E-02	2.348E+06	2.112E+07	-8.094E-02	2.054E-02
304	4	381.75	1	-1.856E+04	-4.206E+04	1.618E+03	2.660E-02	-2.554E+06	1.595E+07	-5.586E-02	-1.585E-02
304	4	381.75	2	1.864E+04	-4.206E+04	-1.620E+03	3.001E-02	2.554E+06	1.595E+07	-5.586E-02	1.586E-02
304	5	509.00	1	-1.856E+04	-4.489E+04	1.618E+03	2.660E-02	-2.760E+06	1.041E+07	-1.374E-08	3.077E-09
304	5	509.00	2	1.865E+04	-4.489E+04	-1.620E+03	3.001E-02	2.761E+06	1.042E+07	-1.374E-08	-3.077E-09
305	1	0.00	1	1.416E+04	-5.582E+04	1.284E+03	-1.731E-01	-2.007E+06	1.042E+07	0.000E+00	0.000E+00
305	1	0.00	2	-1.403E+04	-5.583E+04	-1.290E+03	-1.705E-01	2.005E+06	1.041E+07	0.000E+00	0.000E+00
305	2	45.25	1	1.416E+04	-5.683E+04	9.781E+02	-1.731E-01	-2.058E+06	7.868E+06	-2.304E-03	-1.752E-03
305	2	45.25	2	-1.403E+04	-5.683E+04	-9.848E+02	-1.705E-01	2.057E+06	7.866E+06	-2.303E-03	1.752E-03
305	3	90.50	1	1.416E+04	-5.784E+04	6.727E+02	-1.731E-01	-2.095E+06	5.274E+06	-2.653E-03	-2.349E-03
305	3	90.50	2	-1.403E+04	-5.784E+04	-6.794E+02	-1.705E-01	2.095E+06	5.271E+06	-2.652E-03	2.348E-03
305	4	135.75	1	1.416E+04	-5.884E+04	3.673E+02	-1.731E-01	-2.119E+06	2.634E+06	-1.673E-03	-1.769E-03
305	4	135.75	2	-1.403E+04	-5.885E+04	-3.739E+02	-1.705E-01	2.118E+06	2.631E+06	-1.673E-03	1.769E-03
305	5	181.00	1	1.416E+04	-5.985E+04	6.181E+01	-1.731E-01	-2.128E+06	-5.165E+04	-4.527E-10	2.486E-11
305	5	181.00	2	-1.403E+04	-5.985E+04	-6.849E+01	-1.705E-01	2.128E+06	-5.421E+04	-4.526E-10	-2.489E-11
306	1	0.00	1	-1.403E+04	-5.583E+04	4.039E+02	1.705E-01	-2.073E+06	1.041E+07	0.000E+00	0.000E+00
306	1	0.00	2	1.416E+04	-5.582E+04	-3.973E+02	1.731E-01	2.074E+06	1.042E+07	0.000E+00	0.000E+00
306	2	45.25	1	-1.403E+04	-5.683E+04	4.039E+02	1.705E-01	-2.092E+06	7.866E+06	-2.303E-03	-1.745E-03
306	2	45.25	2	1.416E+04	-5.683E+04	-3.973E+02	1.731E-01	2.092E+06	7.868E+06	-2.304E-03	1.746E-03
306	3	90.50	1	-1.403E+04	-5.784E+04	4.039E+02	1.705E-01	-2.110E+06	5.271E+06	-2.652E-03	-2.334E-03
306	3	90.50	2	1.416E+04	-5.784E+04	-3.973E+02	1.731E-01	2.110E+06	5.274E+06	-2.653E-03	2.334E-03
306	4	135.75	1	-1.403E+04	-5.885E+04	4.039E+02	1.705E-01	-2.128E+06	2.631E+06	-1.673E-03	-1.755E-03
306	4	135.75	2	1.416E+04	-5.884E+04	-3.973E+02	1.731E-01	2.128E+06	2.634E+06	-1.673E-03	1.756E-03
306	5	181.00	1	-1.403E+04	-5.985E+04	4.039E+02	1.705E-01	-2.146E+06	-5.421E+04	-4.526E-10	-3.652E-10
306	5	181.00	2	1.416E+04	-5.985E+04	-3.973E+02	1.731E-01	2.146E+06	-5.165E+04	-4.527E-10	3.652E-10
307	1	0.00	1	2.899E-12	1.534E+03	4.657E+02	2.270E-15	1.607E+04	-5.293E+04	0.000E+00	0.000E+00
307	1	0.00	2	2.899E-12	1.534E+03	-4.657E+02	9.379E-16	-1.607E+04	-5.293E+04	0.000E+00	0.000E+00
307	2	17.25	1	2.899E-12	1.151E+03	3.493E+02	2.270E-15	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
307	2	17.25	2	2.899E-12	1.151E+03	-3.493E+02	9.379E-16	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06
307	3	34.50	1	2.899E-12	7.671E+02	2.329E+02	2.270E-15	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
307	3	34.50	2	2.899E-12	7.671E+02	-2.329E+02	9.379E-16	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
307	4	51.75	1	2.899E-12	3.836E+02	1.164E+02	2.270E-15	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
307	4	51.75	2	2.899E-12	3.836E+02	-1.164E+02	9.379E-16	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06
307	5	69.00	1	2.899E-12	-1.232E-09	-8.522E-08	2.270E-15	4.271E-06	-9.078E-08	4.930E-13	2.064E-13
307	5	69.00	2	2.899E-12	1.955E-09	8.522E-08	9.379E-16	-4.270E-06	-8.323E-08	4.930E-13	-2.064E-13

308	1	0.00	1	-1.116E-08	1.534E+03	1.467E-08	-4.857E-15	1.396E-06	-5.293E+04	0.000E+00	0.000E+00
308	1	0.00	2	1.119E-08	1.534E+03	-1.467E-08	4.469E-15	-1.465E-06	-5.293E+04	0.000E+00	0.000E+00
308	2	17.25	1	-1.116E-08	1.151E+03	1.467E-08	-4.857E-15	1.143E-06	-2.977E+04	-1.210E-05	1.175E-16
308	2	17.25	2	1.119E-08	1.151E+03	-1.467E-08	4.469E-15	-1.212E-06	-2.977E+04	-1.210E-05	-1.257E-16
308	3	34.50	1	-1.116E-08	7.671E+02	1.467E-08	-4.857E-15	8.899E-07	-1.323E+04	-1.648E-05	1.431E-16
308	3	34.50	2	1.119E-08	7.671E+02	-1.467E-08	4.469E-15	-9.590E-07	-1.323E+04	-1.648E-05	-1.541E-16
308	4	51.75	1	-1.116E-08	3.836E+02	1.467E-08	-4.857E-15	6.368E-07	-3.308E+03	-1.256E-05	9.718E-17
308	4	51.75	2	1.119E-08	3.836E+02	-1.467E-08	4.469E-15	-7.060E-07	-3.308E+03	-1.256E-05	-1.054E-16
308	5	69.00	1	-1.116E-08	1.613E-09	1.467E-08	-4.857E-15	3.838E-07	2.864E-07	4.930E-13	-1.131E-23
308	5	69.00	2	1.119E-08	1.547E-09	-1.467E-08	4.469E-15	-4.530E-07	3.042E-07	4.930E-13	1.081E-23
309	1	0.00	1	-1.405E-09	-9.831E-10	-1.918E-09	0.000E+00	-1.207E-06	1.165E-07	0.000E+00	0.000E+00
309	1	0.00	2	1.389E-09	8.505E-10	1.924E-09	0.000E+00	1.207E-06	4.947E-08	0.000E+00	0.000E+00
309	2	17.25	1	-1.405E-09	-3.836E+02	-1.164E+02	0.000E+00	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
309	2	17.25	2	1.389E-09	-3.836E+02	1.164E+02	0.000E+00	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06
309	3	34.50	1	-1.405E-09	-7.671E+02	-2.329E+02	0.000E+00	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
309	3	34.50	2	1.389E-09	-7.671E+02	2.329E+02	0.000E+00	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
309	4	51.75	1	-1.405E-09	-1.151E+03	-3.493E+02	0.000E+00	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
309	4	51.75	2	1.389E-09	-1.151E+03	3.493E+02	0.000E+00	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06
309	5	69.00	1	-1.405E-09	-1.534E+03	-4.658E+02	0.000E+00	1.607E+04	-5.293E+04	9.749E-15	4.402E-15
309	5	69.00	2	1.389E-09	-1.534E+03	4.658E+02	0.000E+00	-1.607E+04	-5.293E+04	9.749E-15	-4.402E-15
310	1	0.00	1	-1.395E-09	-1.245E-11	4.713E-09	0.000E+00	-9.170E-07	7.131E-08	0.000E+00	0.000E+00
310	1	0.00	2	-1.399E-09	-1.245E-11	-4.717E-09	0.000E+00	9.159E-07	6.014E-08	0.000E+00	0.000E+00
310	2	17.25	1	-1.395E-09	-3.836E+02	4.713E-09	0.000E+00	-9.983E-07	-3.308E+03	-1.256E-05	-1.268E-16
310	2	17.25	2	-1.399E-09	-3.836E+02	-4.717E-09	0.000E+00	9.972E-07	-3.308E+03	-1.256E-05	1.268E-16
310	3	34.50	1	-1.395E-09	-7.671E+02	4.713E-09	0.000E+00	-1.080E-06	-1.323E+04	-1.648E-05	-1.735E-16
310	3	34.50	2	-1.399E-09	-7.671E+02	-4.717E-09	0.000E+00	1.079E-06	-1.323E+04	-1.648E-05	1.735E-16
310	4	51.75	1	-1.395E-09	-1.151E+03	4.713E-09	0.000E+00	-1.161E-06	-2.977E+04	-1.210E-05	-1.334E-16
310	4	51.75	2	-1.399E-09	-1.151E+03	-4.717E-09	0.000E+00	1.160E-06	-2.977E+04	-1.210E-05	1.334E-16
310	5	69.00	1	-1.395E-09	-1.534E+03	4.713E-09	0.000E+00	-1.242E-06	-5.293E+04	9.754E-15	1.136E-23
310	5	69.00	2	-1.399E-09	-1.534E+03	-4.717E-09	0.000E+00	1.241E-06	-5.293E+04	9.754E-15	-1.136E-23
311	1	0.00	1	1.403E+04	5.985E+04	-6.881E+01	1.729E-01	-2.128E+06	-5.244E+04	0.000E+00	0.000E+00
311	1	0.00	2	-1.416E+04	5.985E+04	6.149E+01	1.708E-01	2.128E+06	-5.343E+04	0.000E+00	0.000E+00
311	2	45.25	1	1.403E+04	5.884E+04	-3.743E+02	1.729E-01	-2.118E+06	2.633E+06	-1.673E-03	-1.769E-03
311	2	45.25	2	-1.416E+04	5.885E+04	3.669E+02	1.708E-01	2.119E+06	2.632E+06	-1.673E-03	1.769E-03
311	3	90.50	1	1.403E+04	5.784E+04	-6.797E+02	1.729E-01	-2.095E+06	5.273E+06	-2.653E-03	-2.348E-03
311	3	90.50	2	-1.416E+04	5.784E+04	6.724E+02	1.708E-01	2.095E+06	5.272E+06	-2.653E-03	2.349E-03
311	4	135.75	1	1.403E+04	5.683E+04	-9.851E+02	1.729E-01	-2.057E+06	7.867E+06	-2.303E-03	-1.752E-03
311	4	135.75	2	-1.416E+04	5.683E+04	9.778E+02	1.708E-01	2.058E+06	7.867E+06	-2.303E-03	1.752E-03
311	5	181.00	1	1.403E+04	5.582E+04	-1.291E+03	1.729E-01	-2.005E+06	1.042E+07	-5.442E-11	2.165E-10
311	5	181.00	2	-1.416E+04	5.583E+04	1.283E+03	1.708E-01	2.007E+06	1.042E+07	-5.461E-11	-2.165E-10
312	1	0.00	1	-1.416E+04	5.985E+04	-3.969E+02	-1.707E-01	-2.146E+06	-5.343E+04	0.000E+00	0.000E+00
312	1	0.00	2	1.403E+04	5.985E+04	4.043E+02	-1.729E-01	2.146E+06	-5.244E+04	0.000E+00	0.000E+00
312	2	45.25	1	-1.416E+04	5.885E+04	-3.969E+02	-1.707E-01	-2.128E+06	2.632E+06	-1.673E-03	-1.756E-03
312	2	45.25	2	1.403E+04	5.884E+04	4.043E+02	-1.729E-01	2.128E+06	2.633E+06	-1.673E-03	1.755E-03
312	3	90.50	1	-1.416E+04	5.784E+04	-3.969E+02	-1.707E-01	-2.110E+06	5.272E+06	-2.653E-03	-2.334E-03
312	3	90.50	2	1.403E+04	5.784E+04	4.043E+02	-1.729E-01	2.110E+06	5.273E+06	-2.653E-03	2.334E-03
312	4	135.75	1	-1.416E+04	5.683E+04	-3.969E+02	-1.707E-01	-2.092E+06	7.867E+06	-2.303E-03	-1.746E-03
312	4	135.75	2	1.403E+04	5.683E+04	4.043E+02	-1.729E-01	2.092E+06	7.867E+06	-2.303E-03	1.745E-03
312	5	181.00	1	-1.416E+04	5.583E+04	-3.969E+02	-1.707E-01	-2.074E+06	1.042E+07	-5.461E-11	-1.466E-10
312	5	181.00	2	1.403E+04	5.582E+04	4.043E+02	-1.729E-01	2.073E+06	1.042E+07	-5.442E-11	1.466E-10
313	1	0.00	1	1.856E+04	4.489E+04	-6.738E+01	2.903E-02	-2.691E+06	1.042E+07	0.000E+00	0.000E+00
313	1	0.00	2	-1.865E+04	4.489E+04	6.964E+01	2.758E-02	2.692E+06	1.042E+07	0.000E+00	0.000E+00
313	2	127.25	1	1.856E+04	4.206E+04	-9.263E+02	2.903E-02	-2.628E+06	1.595E+07	-5.586E-02	-1.652E-02
313	2	127.25	2	-1.864E+04	4.206E+04	9.286E+02	2.758E-02	2.629E+06	1.595E+07	-5.586E-02	1.652E-02
313	3	254.50	1	1.856E+04	3.923E+04	-1.785E+03	2.903E-02	-2.455E+06	2.112E+07	-8.093E-02	-2.144E-02
313	3	254.50	2	-1.864E+04	3.923E+04	1.788E+03	2.758E-02	2.456E+06	2.112E+07	-8.093E-02	2.145E-02
313	4	381.75	1	1.857E+04	3.640E+04	-2.644E+03	2.903E-02	-2.173E+06	2.593E+07	-6.537E-02	-1.553E-02
313	4	381.75	2	-1.864E+04	3.640E+04	2.646E+03	2.758E-02	2.174E+06	2.593E+07	-6.537E-02	1.553E-02
313	5	509.00	1	1.857E+04	3.357E+04	-3.503E+03	2.903E-02	-1.782E+06	3.039E+07	-6.469E-10	1.448E-09
313	5	509.00	2	-1.864E+04	3.358E+04	3.505E+03	2.758E-02	1.782E+06	3.039E+07	-6.473E-10	-1.449E-09
314	1	0.00	1	-1.865E+04	4.489E+04	-1.620E+03	-2.759E-02	-2.761E+06	1.042E+07	0.000E+00	0.000E+00
314	1	0.00	2	1.856E+04	4.489E+04	1.618E+03	-2.902E-02	2.760E+06	1.042E+07	0.000E+00	0.000E+00

314	2	127.25	1	-1.864E+04	4.206E+04	-1.620E+03	-2.759E-02	-2.554E+06	1.595E+07	-5.586E-02	-1.586E-02
314	2	127.25	2	1.856E+04	4.206E+04	1.618E+03	-2.902E-02	2.554E+06	1.595E+07	-5.586E-02	1.585E-02
314	3	254.50	1	-1.864E+04	3.923E+04	-1.620E+03	-2.759E-02	-2.348E+06	2.112E+07	-8.093E-02	-2.054E-02
314	3	254.50	2	1.856E+04	3.923E+04	1.618E+03	-2.902E-02	2.348E+06	2.112E+07	-8.093E-02	2.054E-02
314	4	381.75	1	-1.864E+04	3.640E+04	-1.620E+03	-2.759E-02	-2.142E+06	2.593E+07	-6.537E-02	-1.496E-02
314	4	381.75	2	1.857E+04	3.640E+04	1.618E+03	-2.902E-02	2.142E+06	2.593E+07	-6.537E-02	1.495E-02
314	5	509.00	1	-1.864E+04	3.358E+04	-1.620E+03	-2.759E-02	-1.936E+06	3.039E+07	-6.473E-10	-1.252E-09
314	5	509.00	2	1.857E+04	3.357E+04	1.618E+03	-2.902E-02	1.936E+06	3.039E+07	-6.469E-10	1.253E-09
315	1	0.00	1	2.427E+04	1.931E+04	-1.690E+03	1.485E-02	-2.648E+06	3.039E+07	0.000E+00	0.000E+00
315	1	0.00	2	-2.431E+04	1.931E+04	1.696E+03	1.340E-02	2.648E+06	3.039E+07	0.000E+00	0.000E+00
315	2	127.50	1	2.427E+04	1.647E+04	-2.551E+03	1.485E-02	-2.378E+06	3.267E+07	-9.780E-02	-1.403E-02
315	2	127.50	2	-2.431E+04	1.647E+04	2.557E+03	1.340E-02	2.377E+06	3.267E+07	-9.781E-02	1.402E-02
315	3	255.00	1	2.428E+04	1.364E+04	-3.412E+03	1.485E-02	-1.998E+06	3.459E+07	-1.327E-01	-1.751E-02
315	3	255.00	2	-2.430E+04	1.364E+04	3.418E+03	1.340E-02	1.996E+06	3.459E+07	-1.327E-01	1.749E-02
315	4	382.50	1	2.428E+04	1.080E+04	-4.272E+03	1.485E-02	-1.508E+06	3.614E+07	-1.011E-01	-1.212E-02
315	4	382.50	2	-2.430E+04	1.080E+04	4.278E+03	1.340E-02	1.505E+06	3.614E+07	-1.011E-01	1.210E-02
315	5	510.00	1	2.428E+04	7.965E+03	-5.133E+03	1.485E-02	-9.083E+05	3.734E+07	-1.746E-09	3.083E-09
315	5	510.00	2	-2.430E+04	7.968E+03	5.139E+03	1.340E-02	9.049E+05	3.734E+07	-1.746E-09	-3.084E-09
316	1	0.00	1	-2.431E+04	1.931E+04	-3.433E+03	-1.340E-02	-2.801E+06	3.039E+07	0.000E+00	0.000E+00
316	1	0.00	2	2.427E+04	1.931E+04	3.427E+03	-1.485E-02	2.802E+06	3.039E+07	0.000E+00	0.000E+00
316	2	127.50	1	-2.431E+04	1.647E+04	-3.433E+03	-1.340E-02	-2.364E+06	3.267E+07	-9.781E-02	-1.365E-02
316	2	127.50	2	2.427E+04	1.647E+04	3.427E+03	-1.485E-02	2.365E+06	3.267E+07	-9.780E-02	1.366E-02
316	3	255.00	1	-2.430E+04	1.364E+04	-3.433E+03	-1.340E-02	-1.926E+06	3.459E+07	-1.327E-01	-1.692E-02
316	3	255.00	2	2.428E+04	1.364E+04	3.427E+03	-1.485E-02	1.928E+06	3.459E+07	-1.327E-01	1.693E-02
316	4	382.50	1	-2.430E+04	1.080E+04	-3.433E+03	-1.340E-02	-1.488E+06	3.614E+07	-1.011E-01	-1.173E-02
316	4	382.50	2	2.428E+04	1.080E+04	3.427E+03	-1.485E-02	1.491E+06	3.614E+07	-1.011E-01	1.174E-02
316	5	510.00	1	-2.430E+04	7.968E+03	-3.433E+03	-1.340E-02	-1.051E+06	3.734E+07	-1.746E-09	3.153E-09
316	5	510.00	2	2.428E+04	7.965E+03	3.427E+03	-1.485E-02	1.054E+06	3.734E+07	-1.746E-09	-3.152E-09
317	1	0.00	1	3.100E+04	-7.968E+03	-3.489E+03	-1.346E-02	-1.929E+06	3.734E+07	0.000E+00	0.000E+00
317	1	0.00	2	-3.099E+04	-7.965E+03	3.372E+03	-1.479E-02	1.925E+06	3.734E+07	0.000E+00	0.000E+00
317	2	127.50	1	3.101E+04	-1.080E+04	-4.350E+03	-1.346E-02	-1.429E+06	3.614E+07	-1.011E-01	-6.771E-03
317	2	127.50	2	-3.098E+04	-1.080E+04	4.233E+03	-1.479E-02	1.440E+06	3.614E+07	-1.011E-01	6.911E-03
317	3	255.00	1	3.101E+04	-1.364E+04	-5.211E+03	-1.346E-02	-8.196E+05	3.458E+07	-1.327E-01	-7.163E-03
317	3	255.00	2	-3.098E+04	-1.364E+04	5.093E+03	-1.479E-02	8.460E+05	3.459E+07	-1.327E-01	7.394E-03
317	4	382.50	1	3.101E+04	-1.647E+04	-6.071E+03	-1.346E-02	-1.004E+05	3.267E+07	-9.780E-02	-3.853E-03
317	4	382.50	2	-3.098E+04	-1.647E+04	5.954E+03	-1.479E-02	1.417E+05	3.267E+07	-9.781E-02	4.060E-03
317	5	510.00	1	3.101E+04	-1.931E+04	-6.932E+03	-1.346E-02	7.286E+05	3.038E+07	2.433E-09	1.744E-09
317	5	510.00	2	-3.098E+04	-1.931E+04	6.815E+03	-1.479E-02	-6.723E+05	3.039E+07	2.433E-09	-1.743E-09
318	1	0.00	1	-3.099E+04	-7.965E+03	-5.076E+03	1.479E-02	-2.071E+06	3.734E+07	0.000E+00	0.000E+00
318	1	0.00	2	3.100E+04	-7.968E+03	5.194E+03	1.346E-02	2.075E+06	3.734E+07	0.000E+00	0.000E+00
318	2	127.50	1	-3.098E+04	-1.080E+04	-5.076E+03	1.479E-02	-1.424E+06	3.614E+07	-1.011E-01	-6.536E-03
318	2	127.50	2	3.101E+04	-1.080E+04	5.194E+03	1.346E-02	1.412E+06	3.614E+07	-1.011E-01	6.396E-03
318	3	255.00	1	-3.098E+04	-1.364E+04	-5.076E+03	1.479E-02	-7.766E+05	3.459E+07	-1.327E-01	-6.820E-03
318	3	255.00	2	3.101E+04	-1.364E+04	5.194E+03	1.346E-02	7.503E+05	3.458E+07	-1.327E-01	6.589E-03
318	4	382.50	1	-3.098E+04	-1.647E+04	-5.076E+03	1.479E-02	-1.294E+05	3.267E+07	-9.781E-02	-3.694E-03
318	4	382.50	2	3.101E+04	-1.647E+04	5.194E+03	1.346E-02	8.807E+04	3.267E+07	-9.780E-02	3.488E-03
318	5	510.00	1	-3.098E+04	-1.931E+04	-5.076E+03	1.479E-02	5.178E+05	3.039E+07	2.433E-09	-8.374E-10
318	5	510.00	2	3.101E+04	-1.931E+04	5.194E+03	1.346E-02	-5.741E+05	3.038E+07	2.433E-09	8.360E-10
319	1	0.00	1	3.826E+04	-3.358E+04	-4.568E+03	-2.772E-02	-3.720E+05	3.038E+07	0.000E+00	0.000E+00
319	1	0.00	2	-3.819E+04	-3.357E+04	5.540E+03	-2.889E-02	4.287E+05	3.039E+07	0.000E+00	0.000E+00
319	2	127.25	1	3.826E+04	-3.640E+04	-5.427E+03	-2.772E-02	2.640E+05	2.593E+07	-6.537E-02	4.957E-03
319	2	127.25	2	-3.819E+04	-3.640E+04	6.399E+03	-2.889E-02	-3.310E+05	2.593E+07	-6.537E-02	-5.938E-03
319	3	254.50	1	3.827E+04	-3.923E+04	-6.286E+03	-2.772E-02	1.009E+06	2.112E+07	-8.093E-02	8.862E-03
319	3	254.50	2	-3.819E+04	-3.923E+04	7.258E+03	-2.889E-02	-1.200E+06	2.112E+07	-8.094E-02	-1.053E-02
319	4	381.75	1	3.827E+04	-4.206E+04	-7.145E+03	-2.772E-02	1.864E+06	1.595E+07	-5.586E-02	8.456E-03
319	4	381.75	2	-3.819E+04	-4.206E+04	8.117E+03	-2.889E-02	-2.178E+06	1.595E+07	-5.587E-02	-9.978E-03
319	5	509.00	1	3.827E+04	-4.489E+04	-8.004E+03	-2.772E-02	2.828E+06	1.041E+07	-1.329E-08	6.772E-11
319	5	509.00	2	-3.818E+04	-4.489E+04	8.976E+03	-2.889E-02	-3.266E+06	1.042E+07	-1.329E-08	-7.856E-11
320	1	0.00	1	-3.819E+04	-3.357E+04	-7.440E+03	2.889E-02	-5.832E+05	3.039E+07	0.000E+00	0.000E+00
320	1	0.00	2	3.826E+04	-3.358E+04	6.468E+03	2.772E-02	5.265E+05	3.038E+07	0.000E+00	0.000E+00
320	2	127.25	1	-3.819E+04	-3.640E+04	-7.440E+03	2.889E-02	3.635E+05	2.593E+07	-6.537E-02	6.526E-03
320	2	127.25	2	3.826E+04	-3.640E+04	6.468E+03	2.772E-02	-2.965E+05	2.593E+07	-6.537E-02	-5.545E-03

320	3	254.50	1	-3.819E+04	-3.923E+04	-7.440E+03	2.889E-02	1.310E+06	2.112E+07	-8.094E-02	1.146E-02
320	3	254.50	2	3.827E+04	-3.923E+04	6.468E+03	2.772E-02	-1.120E+06	2.112E+07	-8.093E-02	-9.793E-03
320	4	381.75	1	-3.819E+04	-4.206E+04	-7.440E+03	2.889E-02	2.257E+06	1.595E+07	-5.587E-02	1.067E-02
320	4	381.75	2	3.827E+04	-4.206E+04	6.468E+03	2.772E-02	-1.943E+06	1.595E+07	-5.586E-02	-9.145E-03
320	5	509.00	1	-3.818E+04	-4.489E+04	-7.440E+03	2.889E-02	3.204E+06	1.042E+07	-1.329E-08	3.214E-10
320	5	509.00	2	3.827E+04	-4.489E+04	6.468E+03	2.772E-02	-2.766E+06	1.041E+07	-1.329E-08	-3.106E-10
321	1	0.00	1	4.520E+04	-5.582E+04	-8.574E+03	-1.718E-01	1.773E+06	1.041E+07	0.000E+00	0.000E+00
321	1	0.00	2	-4.508E+04	-5.583E+04	6.021E+03	-1.718E-01	-2.215E+06	1.042E+07	0.000E+00	0.000E+00
321	2	45.25	1	4.520E+04	-5.683E+04	-8.880E+03	-1.718E-01	2.168E+06	7.866E+06	-2.303E-03	2.000E-03
321	2	45.25	2	-4.508E+04	-5.684E+04	6.326E+03	-1.718E-01	-2.495E+06	7.868E+06	-2.304E-03	-2.207E-03
321	3	90.50	1	4.521E+04	-5.783E+04	-9.185E+03	-1.718E-01	2.577E+06	5.272E+06	-2.652E-03	2.819E-03
321	3	90.50	2	-4.508E+04	-5.784E+04	6.632E+03	-1.718E-01	-2.788E+06	5.273E+06	-2.653E-03	-3.052E-03
321	4	135.75	1	4.521E+04	-5.884E+04	-9.491E+03	-1.718E-01	2.999E+06	2.632E+06	-1.673E-03	2.230E-03
321	4	135.75	2	-4.508E+04	-5.885E+04	6.937E+03	-1.718E-01	-3.095E+06	2.633E+06	-1.673E-03	-2.373E-03
321	5	181.00	1	4.521E+04	-5.984E+04	-9.796E+03	-1.718E-01	3.435E+06	-5.334E+04	-8.975E-10	4.793E-10
321	5	181.00	2	-4.508E+04	-5.986E+04	7.243E+03	-1.718E-01	-3.415E+06	-5.253E+04	-8.975E-10	-4.216E-10
322	1	0.00	1	-4.508E+04	-5.583E+04	-6.870E+03	1.718E-01	2.154E+06	1.042E+07	0.000E+00	0.000E+00
322	1	0.00	2	4.520E+04	-5.582E+04	9.423E+03	1.718E-01	-1.712E+06	1.041E+07	0.000E+00	0.000E+00
322	2	45.25	1	-4.508E+04	-5.684E+04	-6.870E+03	1.718E-01	2.465E+06	7.868E+06	-2.304E-03	2.217E-03
322	2	45.25	2	4.520E+04	-5.683E+04	9.423E+03	1.718E-01	-2.138E+06	7.866E+06	-2.303E-03	-2.010E-03
322	3	90.50	1	-4.508E+04	-5.784E+04	-6.870E+03	1.718E-01	2.776E+06	5.273E+06	-2.653E-03	3.070E-03
322	3	90.50	2	4.521E+04	-5.783E+04	9.423E+03	1.718E-01	-2.564E+06	5.272E+06	-2.652E-03	-2.837E-03
322	4	135.75	1	-4.508E+04	-5.885E+04	-6.870E+03	1.718E-01	3.086E+06	2.633E+06	-1.673E-03	2.389E-03
322	4	135.75	2	4.521E+04	-5.884E+04	9.423E+03	1.718E-01	-2.991E+06	2.632E+06	-1.673E-03	-2.245E-03
322	5	181.00	1	-4.508E+04	-5.986E+04	-6.870E+03	1.718E-01	3.397E+06	-5.253E+04	-8.975E-10	3.336E-10
322	5	181.00	2	4.521E+04	-5.984E+04	9.423E+03	1.718E-01	-3.417E+06	-5.334E+04	-8.975E-10	-3.913E-10
323	1	0.00	1	-2.224E+00	1.534E+03	4.658E+02	5.892E-11	1.607E+04	-5.293E+04	0.000E+00	0.000E+00
323	1	0.00	2	-2.224E+00	1.534E+03	-4.658E+02	-6.541E-11	-1.607E+04	-5.293E+04	0.000E+00	0.000E+00
323	2	17.25	1	-1.668E+00	1.151E+03	3.493E+02	5.892E-11	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
323	2	17.25	2	-1.668E+00	1.151E+03	-3.493E+02	-6.541E-11	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06
323	3	34.50	1	-1.112E+00	7.671E+02	2.329E+02	5.892E-11	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
323	3	34.50	2	-1.112E+00	7.671E+02	-2.329E+02	-6.541E-11	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
323	4	51.75	1	-5.559E-01	3.836E+02	1.164E+02	5.892E-11	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
323	4	51.75	2	-5.559E-01	3.836E+02	-1.164E+02	-6.541E-11	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06
323	5	69.00	1	2.838E-09	-1.974E-09	1.891E-09	5.892E-11	1.964E-08	-2.621E-07	2.092E-13	-3.647E-13
323	5	69.00	2	-2.658E-09	2.173E-09	-2.272E-09	-6.541E-11	2.932E-09	2.963E-08	2.092E-13	3.647E-13
324	1	0.00	1	-2.224E+00	1.534E+03	-1.297E-09	2.934E-10	-2.479E-07	-5.293E+04	0.000E+00	0.000E+00
324	1	0.00	2	-2.224E+00	1.534E+03	1.497E-09	-2.302E-10	2.438E-07	-5.293E+04	0.000E+00	0.000E+00
324	2	17.25	1	-1.668E+00	1.151E+03	-1.297E-09	2.934E-10	-2.255E-07	-2.977E+04	-1.210E-05	-2.536E-17
324	2	17.25	2	-1.668E+00	1.151E+03	1.497E-09	-2.302E-10	2.180E-07	-2.977E+04	-1.210E-05	2.424E-17
324	3	34.50	1	-1.112E+00	7.671E+02	-1.297E-09	2.934E-10	-2.032E-07	-1.323E+04	-1.648E-05	-3.260E-17
324	3	34.50	2	-1.112E+00	7.671E+02	1.497E-09	-2.302E-10	1.922E-07	-1.323E+04	-1.648E-05	3.096E-17
324	4	51.75	1	-5.559E-01	3.836E+02	-1.297E-09	2.934E-10	-1.808E-07	-3.308E+03	-1.256E-05	-2.353E-17
324	4	51.75	2	-5.559E-01	3.836E+02	1.497E-09	-2.302E-10	1.663E-07	-3.308E+03	-1.256E-05	2.219E-17
324	5	69.00	1	-2.700E-10	-1.609E-10	-1.297E-09	2.934E-10	-1.584E-07	1.477E-07	2.092E-13	5.590E-24
324	5	69.00	2	5.158E-10	-2.919E-10	1.497E-09	-2.302E-10	1.405E-07	8.278E-08	2.092E-13	-5.541E-24
325	1	0.00	1	7.556E-10	3.313E-10	8.875E-10	7.839E-14	-3.650E-08	2.282E-08	0.000E+00	0.000E+00
325	1	0.00	2	-7.505E-10	-3.017E-10	-8.861E-10	-7.648E-14	3.659E-08	5.076E-08	0.000E+00	0.000E+00
325	2	17.25	1	5.559E-01	-3.836E+02	-1.164E+02	7.839E-14	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
325	2	17.25	2	5.559E-01	-3.836E+02	1.164E+02	-7.648E-14	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06
325	3	34.50	1	1.112E+00	-7.671E+02	-2.329E+02	7.839E-14	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
325	3	34.50	2	1.112E+00	-7.671E+02	2.329E+02	-7.648E-14	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
325	4	51.75	1	1.668E+00	-1.151E+03	-3.493E+02	7.839E-14	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
325	4	51.75	2	1.668E+00	-1.151E+03	3.493E+02	-7.648E-14	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06
325	5	69.00	1	2.224E+00	-1.534E+03	-4.658E+02	7.839E-14	1.607E+04	-5.293E+04	-1.808E-14	-3.417E-15
325	5	69.00	2	2.224E+00	-1.534E+03	4.658E+02	-7.648E-14	-1.607E+04	-5.293E+04	-1.808E-14	3.417E-15
326	1	0.00	1	3.149E-10	-4.543E-10	-3.103E-10	5.262E-15	1.392E-08	4.866E-08	0.000E+00	0.000E+00
326	1	0.00	2	-3.072E-10	6.958E-11	3.008E-10	-3.113E-15	-1.402E-08	-1.281E-08	0.000E+00	0.000E+00
326	2	17.25	1	5.559E-01	-3.836E+02	-3.103E-10	5.262E-15	1.927E-08	-3.308E+03	-1.256E-05	2.743E-18
326	2	17.25	2	5.559E-01	-3.836E+02	3.008E-10	-3.113E-15	-1.921E-08	-3.308E+03	-1.256E-05	-2.743E-18
326	3	34.50	1	1.112E+00	-7.671E+02	-3.103E-10	5.262E-15	2.462E-08	-1.323E+04	-1.648E-05	3.940E-18
326	3	34.50	2	1.112E+00	-7.671E+02	3.008E-10	-3.113E-15	-2.440E-08	-1.323E+04	-1.648E-05	-3.940E-18

326	4	51.75	1	1.668E+00	-1.151E+03	-3.103E-10	5.262E-15	2.998E-08	-2.977E+04	-1.210E-05	3.167E-18
326	4	51.75	2	1.668E+00	-1.151E+03	3.008E-10	-3.113E-15	-2.959E-08	-2.977E+04	-1.210E-05	-3.167E-18
326	5	69.00	1	2.224E+00	-1.534E+03	-3.103E-10	5.262E-15	3.533E-08	-5.293E+04	-1.808E-14	3.919E-25
326	5	69.00	2	2.224E+00	-1.534E+03	3.008E-10	-3.113E-15	-3.478E-08	-5.293E+04	-1.808E-14	-3.919E-25
327	1	0.00	1	4.508E+04	5.986E+04	9.816E+03	1.697E-01	3.436E+06	-5.409E+04	0.000E+00	0.000E+00
327	1	0.00	2	-4.521E+04	5.984E+04	-7.223E+03	1.740E-01	-3.415E+06	-5.178E+04	0.000E+00	0.000E+00
327	2	45.25	1	4.508E+04	5.885E+04	9.510E+03	1.697E-01	2.998E+06	2.632E+06	-1.673E-03	2.229E-03
327	2	45.25	2	-4.521E+04	5.884E+04	-6.917E+03	1.740E-01	-3.096E+06	2.633E+06	-1.673E-03	-2.374E-03
327	3	90.50	1	4.508E+04	5.785E+04	9.205E+03	1.697E-01	2.575E+06	5.272E+06	-2.653E-03	2.817E-03
327	3	90.50	2	-4.521E+04	5.783E+04	-6.612E+03	1.740E-01	-2.789E+06	5.273E+06	-2.653E-03	-3.054E-03
327	4	135.75	1	4.508E+04	5.684E+04	8.900E+03	1.697E-01	2.165E+06	7.867E+06	-2.303E-03	1.998E-03
327	4	135.75	2	-4.520E+04	5.682E+04	-6.306E+03	1.740E-01	-2.497E+06	7.867E+06	-2.303E-03	-2.209E-03
327	5	181.00	1	4.508E+04	5.583E+04	8.594E+03	1.697E-01	1.769E+06	1.042E+07	-1.628E-10	4.507E-10
327	5	181.00	2	-4.520E+04	5.582E+04	-6.001E+03	1.740E-01	-2.219E+06	1.042E+07	-1.628E-10	-4.549E-10
328	1	0.00	1	-4.521E+04	5.984E+04	6.850E+03	-1.740E-01	3.397E+06	-5.178E+04	0.000E+00	0.000E+00
328	1	0.00	2	4.508E+04	5.986E+04	-9.443E+03	-1.697E-01	-3.417E+06	-5.409E+04	0.000E+00	0.000E+00
328	2	45.25	1	-4.521E+04	5.884E+04	6.850E+03	-1.740E-01	3.087E+06	2.633E+06	-1.673E-03	2.390E-03
328	2	45.25	2	4.508E+04	5.885E+04	-9.443E+03	-1.697E-01	-2.990E+06	2.632E+06	-1.673E-03	-2.244E-03
328	3	90.50	1	-4.521E+04	5.783E+04	6.850E+03	-1.740E-01	2.777E+06	5.273E+06	-2.653E-03	3.072E-03
328	3	90.50	2	4.508E+04	5.785E+04	-9.443E+03	-1.697E-01	-2.563E+06	5.272E+06	-2.653E-03	-2.835E-03
328	4	135.75	1	-4.520E+04	5.682E+04	6.850E+03	-1.740E-01	2.467E+06	7.867E+06	-2.303E-03	2.218E-03
328	4	135.75	2	4.508E+04	5.684E+04	-9.443E+03	-1.697E-01	-2.135E+06	7.867E+06	-2.303E-03	-2.008E-03
328	5	181.00	1	-4.520E+04	5.582E+04	6.850E+03	-1.740E-01	2.157E+06	1.042E+07	-1.628E-10	1.729E-10
328	5	181.00	2	4.508E+04	5.583E+04	-9.443E+03	-1.697E-01	-1.708E+06	1.042E+07	-1.628E-10	-1.687E-10
329	1	0.00	1	3.818E+04	4.489E+04	7.996E+03	2.676E-02	2.824E+06	1.042E+07	0.000E+00	0.000E+00
329	1	0.00	2	-3.827E+04	4.489E+04	-8.984E+03	2.984E-02	-3.269E+06	1.042E+07	0.000E+00	0.000E+00
329	2	127.25	1	3.819E+04	4.206E+04	7.137E+03	2.676E-02	1.861E+06	1.595E+07	-5.586E-02	8.443E-03
329	2	127.25	2	-3.827E+04	4.206E+04	-8.126E+03	2.984E-02	-2.181E+06	1.595E+07	-5.586E-02	-9.990E-03
329	3	254.50	1	3.819E+04	3.923E+04	6.278E+03	2.676E-02	1.008E+06	2.112E+07	-8.094E-02	8.849E-03
329	3	254.50	2	-3.827E+04	3.923E+04	-7.267E+03	2.984E-02	-1.202E+06	2.112E+07	-8.093E-02	-1.054E-02
329	4	381.75	1	3.819E+04	3.640E+04	5.419E+03	2.676E-02	2.635E+05	2.593E+07	-6.537E-02	4.949E-03
329	4	381.75	2	-3.826E+04	3.640E+04	-6.408E+03	2.984E-02	-3.315E+05	2.593E+07	-6.537E-02	-5.946E-03
329	5	509.00	1	3.819E+04	3.358E+04	4.560E+03	2.676E-02	-3.714E+05	3.039E+07	-1.285E-09	-2.074E-09
329	5	509.00	2	-3.826E+04	3.357E+04	-5.549E+03	2.984E-02	4.292E+05	3.038E+07	-1.285E-09	1.881E-09
330	1	0.00	1	-3.827E+04	4.489E+04	7.448E+03	-2.985E-02	3.207E+06	1.042E+07	0.000E+00	0.000E+00
330	1	0.00	2	3.818E+04	4.489E+04	-6.460E+03	-2.676E-02	-2.762E+06	1.042E+07	0.000E+00	0.000E+00
330	2	127.25	1	-3.827E+04	4.206E+04	7.448E+03	-2.985E-02	2.260E+06	1.595E+07	-5.586E-02	1.068E-02
330	2	127.25	2	3.819E+04	4.206E+04	-6.460E+03	-2.676E-02	-1.940E+06	1.595E+07	-5.586E-02	-9.133E-03
330	3	254.50	1	-3.827E+04	3.923E+04	7.448E+03	-2.985E-02	1.312E+06	2.112E+07	-8.093E-02	1.148E-02
330	3	254.50	2	3.819E+04	3.923E+04	-6.460E+03	-2.676E-02	-1.118E+06	2.112E+07	-8.094E-02	-9.780E-03
330	4	381.75	1	-3.826E+04	3.640E+04	7.448E+03	-2.985E-02	3.640E+05	2.593E+07	-6.537E-02	6.534E-03
330	4	381.75	2	3.819E+04	3.640E+04	-6.460E+03	-2.676E-02	-2.960E+05	2.593E+07	-6.537E-02	-5.537E-03
330	5	509.00	1	-3.826E+04	3.357E+04	7.448E+03	-2.985E-02	-5.838E+05	3.038E+07	-1.285E-09	2.405E-09
330	5	509.00	2	3.819E+04	3.358E+04	-6.460E+03	-2.676E-02	5.259E+05	3.039E+07	-1.285E-09	-2.212E-09
331	1	0.00	1	3.098E+04	1.931E+04	6.933E+03	1.263E-02	7.290E+05	3.039E+07	0.000E+00	0.000E+00
331	1	0.00	2	-3.101E+04	1.931E+04	-6.814E+03	1.562E-02	-6.719E+05	3.039E+07	0.000E+00	0.000E+00
331	2	127.50	1	3.098E+04	1.647E+04	6.072E+03	1.263E-02	-1.001E+05	3.267E+07	-9.781E-02	-3.852E-03
331	2	127.50	2	-3.101E+04	1.647E+04	-5.953E+03	1.562E-02	1.420E+05	3.267E+07	-9.780E-02	4.061E-03
331	3	255.00	1	3.098E+04	1.364E+04	5.211E+03	1.263E-02	-8.194E+05	3.459E+07	-1.327E-01	-7.161E-03
331	3	255.00	2	-3.101E+04	1.364E+04	-5.093E+03	1.562E-02	8.462E+05	3.459E+07	-1.327E-01	7.396E-03
331	4	382.50	1	3.098E+04	1.080E+04	4.351E+03	1.263E-02	-1.429E+06	3.614E+07	-1.011E-01	-6.769E-03
331	4	382.50	2	-3.101E+04	1.080E+04	-4.232E+03	1.562E-02	1.441E+06	3.614E+07	-1.011E-01	6.912E-03
331	5	510.00	1	3.099E+04	7.968E+03	3.490E+03	1.263E-02	-1.929E+06	3.734E+07	-1.517E-09	3.433E-10
331	5	510.00	2	-3.100E+04	7.965E+03	-3.371E+03	1.562E-02	1.925E+06	3.734E+07	-1.517E-09	-3.504E-10
332	1	0.00	1	-3.101E+04	1.931E+04	5.076E+03	-1.562E-02	5.175E+05	3.039E+07	0.000E+00	0.000E+00
332	1	0.00	2	3.098E+04	1.931E+04	-5.194E+03	-1.263E-02	-5.745E+05	3.039E+07	0.000E+00	0.000E+00
332	2	127.50	1	-3.101E+04	1.647E+04	5.076E+03	-1.562E-02	-1.297E+05	3.267E+07	-9.780E-02	-3.696E-03
332	2	127.50	2	3.098E+04	1.647E+04	-5.194E+03	-1.263E-02	8.776E+04	3.267E+07	-9.781E-02	3.486E-03
332	3	255.00	1	-3.101E+04	1.364E+04	5.076E+03	-1.562E-02	-7.768E+05	3.459E+07	-1.327E-01	-6.822E-03
332	3	255.00	2	3.098E+04	1.364E+04	-5.194E+03	-1.263E-02	7.500E+05	3.459E+07	-1.327E-01	6.587E-03
332	4	382.50	1	-3.101E+04	1.080E+04	5.076E+03	-1.562E-02	-1.424E+06	3.614E+07	-1.011E-01	-6.537E-03
332	4	382.50	2	3.098E+04	1.080E+04	-5.194E+03	-1.263E-02	1.412E+06	3.614E+07	-1.011E-01	6.394E-03

332	5	510.00	1	-3.100E+04	7.965E+03	5.076E+03	-1.562E-02	-2.071E+06	3.734E+07	-1.517E-09	-6.267E-11
332	5	510.00	2	3.099E+04	7.968E+03	-5.194E+03	-1.263E-02	2.075E+06	3.734E+07	-1.517E-09	6.977E-11
333	1	0.00	1	2.430E+04	-7.965E+03	5.132E+03	-1.556E-02	-9.084E+05	3.734E+07	0.000E+00	0.000E+00
333	1	0.00	2	-2.428E+04	-7.968E+03	-5.139E+03	-1.269E-02	9.048E+05	3.734E+07	0.000E+00	0.000E+00
333	2	127.50	1	2.430E+04	-1.080E+04	4.272E+03	-1.556E-02	-1.508E+06	3.614E+07	-1.011E-01	-1.212E-02
333	2	127.50	2	-2.428E+04	-1.080E+04	-4.279E+03	-1.269E-02	1.505E+06	3.614E+07	-1.011E-01	1.210E-02
333	3	255.00	1	2.430E+04	-1.364E+04	3.411E+03	-1.556E-02	-1.998E+06	3.459E+07	-1.327E-01	-1.751E-02
333	3	255.00	2	-2.428E+04	-1.364E+04	-3.418E+03	-1.269E-02	1.996E+06	3.458E+07	-1.327E-01	1.749E-02
333	4	382.50	1	2.431E+04	-1.647E+04	2.550E+03	-1.556E-02	-2.378E+06	3.267E+07	-9.781E-02	-1.403E-02
333	4	382.50	2	-2.427E+04	-1.647E+04	-2.558E+03	-1.269E-02	2.377E+06	3.267E+07	-9.780E-02	1.402E-02
333	5	510.00	1	2.431E+04	-1.931E+04	1.690E+03	-1.556E-02	-2.648E+06	3.039E+07	2.323E-09	4.218E-09
333	5	510.00	2	-2.427E+04	-1.931E+04	-1.697E+03	-1.269E-02	2.648E+06	3.038E+07	2.325E-09	-4.217E-09
334	1	0.00	1	-2.428E+04	-7.968E+03	3.434E+03	1.269E-02	-1.051E+06	3.734E+07	0.000E+00	0.000E+00
334	1	0.00	2	2.430E+04	-7.965E+03	-3.426E+03	1.556E-02	1.054E+06	3.734E+07	0.000E+00	0.000E+00
334	2	127.50	1	-2.428E+04	-1.080E+04	3.434E+03	1.269E-02	-1.488E+06	3.614E+07	-1.011E-01	-1.173E-02
334	2	127.50	2	2.430E+04	-1.080E+04	-3.426E+03	1.556E-02	1.491E+06	3.614E+07	-1.011E-01	1.174E-02
334	3	255.00	1	-2.428E+04	-1.364E+04	3.434E+03	1.269E-02	-1.926E+06	3.458E+07	-1.327E-01	-1.692E-02
334	3	255.00	2	2.430E+04	-1.364E+04	-3.426E+03	1.556E-02	1.928E+06	3.459E+07	-1.327E-01	1.693E-02
334	4	382.50	1	-2.427E+04	-1.647E+04	3.434E+03	1.269E-02	-2.364E+06	3.267E+07	-9.780E-02	-1.365E-02
334	4	382.50	2	2.431E+04	-1.647E+04	-3.426E+03	1.556E-02	2.365E+06	3.267E+07	-9.781E-02	1.366E-02
334	5	510.00	1	-2.427E+04	-1.931E+04	3.434E+03	1.269E-02	-2.802E+06	3.038E+07	2.325E-09	-3.944E-10
334	5	510.00	2	2.431E+04	-1.931E+04	-3.426E+03	1.556E-02	2.802E+06	3.039E+07	2.323E-09	3.933E-10
335	1	0.00	1	1.864E+04	-3.357E+04	3.505E+03	-2.971E-02	-1.782E+06	3.039E+07	0.000E+00	0.000E+00
335	1	0.00	2	-1.857E+04	-3.358E+04	-3.503E+03	-2.690E-02	1.782E+06	3.038E+07	0.000E+00	0.000E+00
335	2	127.25	1	1.864E+04	-3.640E+04	2.646E+03	-2.971E-02	-2.174E+06	2.593E+07	-6.537E-02	-1.553E-02
335	2	127.25	2	-1.857E+04	-3.640E+04	-2.645E+03	-2.690E-02	2.173E+06	2.593E+07	-6.537E-02	1.553E-02
335	3	254.50	1	1.864E+04	-3.923E+04	1.787E+03	-2.971E-02	-2.456E+06	2.112E+07	-8.094E-02	-2.145E-02
335	3	254.50	2	-1.856E+04	-3.923E+04	-1.786E+03	-2.690E-02	2.455E+06	2.112E+07	-8.093E-02	2.144E-02
335	4	381.75	1	1.864E+04	-4.206E+04	9.282E+02	-2.971E-02	-2.629E+06	1.595E+07	-5.586E-02	-1.652E-02
335	4	381.75	2	-1.856E+04	-4.206E+04	-9.267E+02	-2.690E-02	2.628E+06	1.595E+07	-5.586E-02	1.652E-02
335	5	509.00	1	1.865E+04	-4.489E+04	6.928E+01	-2.971E-02	-2.692E+06	1.042E+07	-1.374E-08	-1.602E-09
335	5	509.00	2	-1.856E+04	-4.489E+04	-6.774E+01	-2.690E-02	2.691E+06	1.041E+07	-1.374E-08	1.603E-09
336	1	0.00	1	-1.857E+04	-3.358E+04	1.618E+03	2.690E-02	-1.936E+06	3.038E+07	0.000E+00	0.000E+00
336	1	0.00	2	1.864E+04	-3.357E+04	-1.620E+03	2.971E-02	1.936E+06	3.039E+07	0.000E+00	0.000E+00
336	2	127.25	1	-1.857E+04	-3.640E+04	1.618E+03	2.690E-02	-2.142E+06	2.593E+07	-6.537E-02	-1.495E-02
336	2	127.25	2	1.864E+04	-3.640E+04	-1.620E+03	2.971E-02	2.142E+06	2.593E+07	-6.537E-02	1.496E-02
336	3	254.50	1	-1.856E+04	-3.923E+04	1.618E+03	2.690E-02	-2.348E+06	2.112E+07	-8.093E-02	-2.054E-02
336	3	254.50	2	1.864E+04	-3.923E+04	-1.620E+03	2.971E-02	2.348E+06	2.112E+07	-8.094E-02	2.054E-02
336	4	381.75	1	-1.856E+04	-4.206E+04	1.618E+03	2.690E-02	-2.554E+06	1.595E+07	-5.586E-02	-1.585E-02
336	4	381.75	2	1.864E+04	-4.206E+04	-1.620E+03	2.971E-02	2.554E+06	1.595E+07	-5.586E-02	1.586E-02
336	5	509.00	1	-1.856E+04	-4.489E+04	1.618E+03	2.690E-02	-2.760E+06	1.041E+07	-1.374E-08	3.135E-09
336	5	509.00	2	1.865E+04	-4.489E+04	-1.620E+03	2.971E-02	2.761E+06	1.042E+07	-1.374E-08	-3.136E-09
337	1	0.00	1	1.416E+04	-5.582E+04	1.284E+03	-1.728E-01	-2.007E+06	1.042E+07	0.000E+00	0.000E+00
337	1	0.00	2	-1.403E+04	-5.583E+04	-1.290E+03	-1.708E-01	2.005E+06	1.041E+07	0.000E+00	0.000E+00
337	2	45.25	1	1.416E+04	-5.683E+04	9.781E+02	-1.728E-01	-2.058E+06	7.868E+06	-2.304E-03	-1.752E-03
337	2	45.25	2	-1.403E+04	-5.683E+04	-9.848E+02	-1.708E-01	2.057E+06	7.866E+06	-2.303E-03	1.752E-03
337	3	90.50	1	1.416E+04	-5.784E+04	6.727E+02	-1.728E-01	-2.095E+06	5.273E+06	-2.653E-03	-2.349E-03
337	3	90.50	2	-1.403E+04	-5.784E+04	-6.794E+02	-1.708E-01	2.095E+06	5.272E+06	-2.652E-03	2.348E-03
337	4	135.75	1	1.416E+04	-5.884E+04	3.673E+02	-1.728E-01	-2.119E+06	2.634E+06	-1.673E-03	-1.769E-03
337	4	135.75	2	-1.403E+04	-5.885E+04	-3.739E+02	-1.708E-01	2.118E+06	2.632E+06	-1.673E-03	1.769E-03
337	5	181.00	1	1.416E+04	-5.985E+04	6.181E+01	-1.728E-01	-2.128E+06	-5.187E+04	-4.527E-10	3.090E-11
337	5	181.00	2	-1.403E+04	-5.985E+04	-6.849E+01	-1.708E-01	2.128E+06	-5.400E+04	-4.526E-10	-3.093E-11
338	1	0.00	1	-1.403E+04	-5.583E+04	4.039E+02	1.708E-01	-2.073E+06	1.041E+07	0.000E+00	0.000E+00
338	1	0.00	2	1.416E+04	-5.582E+04	-3.973E+02	1.728E-01	2.074E+06	1.042E+07	0.000E+00	0.000E+00
338	2	45.25	1	-1.403E+04	-5.683E+04	4.039E+02	1.708E-01	-2.092E+06	7.866E+06	-2.303E-03	-1.745E-03
338	2	45.25	2	1.416E+04	-5.683E+04	-3.973E+02	1.728E-01	2.092E+06	7.868E+06	-2.304E-03	1.746E-03
338	3	90.50	1	-1.403E+04	-5.784E+04	4.039E+02	1.708E-01	-2.110E+06	5.272E+06	-2.652E-03	-2.334E-03
338	3	90.50	2	1.416E+04	-5.784E+04	-3.973E+02	1.728E-01	2.110E+06	5.273E+06	-2.653E-03	2.334E-03
338	4	135.75	1	-1.403E+04	-5.885E+04	4.039E+02	1.708E-01	-2.128E+06	2.632E+06	-1.673E-03	-1.755E-03
338	4	135.75	2	1.416E+04	-5.884E+04	-3.973E+02	1.728E-01	2.128E+06	2.634E+06	-1.673E-03	1.756E-03
338	5	181.00	1	-1.403E+04	-5.985E+04	4.039E+02	1.708E-01	-2.146E+06	-5.400E+04	-4.526E-10	-3.592E-10
338	5	181.00	2	1.416E+04	-5.985E+04	-3.973E+02	1.728E-01	2.146E+06	-5.187E+04	-4.527E-10	3.593E-10

339	1	0.00	1	6.960E-10	1.534E+03	4.657E+02	5.876E-16	1.607E+04	-5.293E+04	0.000E+00	0.000E+00
339	1	0.00	2	-7.010E-10	1.534E+03	-4.657E+02	5.876E-16	-1.607E+04	-5.293E+04	0.000E+00	0.000E+00
339	2	17.25	1	6.960E-10	1.151E+03	3.493E+02	5.876E-16	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
339	2	17.25	2	-7.010E-10	1.151E+03	-3.493E+02	5.876E-16	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06
339	3	34.50	1	6.960E-10	7.671E+02	2.329E+02	5.876E-16	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
339	3	34.50	2	-7.010E-10	7.671E+02	-2.329E+02	5.876E-16	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
339	4	51.75	1	6.960E-10	3.836E+02	1.164E+02	5.876E-16	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
339	4	51.75	2	-7.010E-10	3.836E+02	-1.164E+02	5.876E-16	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06
339	5	69.00	1	6.960E-10	-5.611E-10	-7.837E-09	5.876E-16	1.349E-07	-7.702E-08	4.930E-13	2.061E-13
339	5	69.00	2	-7.010E-10	-1.740E-09	7.821E-09	5.876E-16	-1.343E-07	-6.336E-08	4.930E-13	-2.061E-13
340	1	0.00	1	-6.989E-10	1.534E+03	-4.049E-09	2.783E-15	-2.985E-05	-5.293E+04	0.000E+00	0.000E+00
340	1	0.00	2	6.981E-10	1.534E+03	4.013E-09	1.451E-15	2.985E-05	-5.293E+04	0.000E+00	0.000E+00
340	2	17.25	1	-6.989E-10	1.151E+03	-4.049E-09	2.783E-15	-2.978E-05	-2.977E+04	-1.210E-05	-3.585E-15
340	2	17.25	2	6.981E-10	1.151E+03	4.013E-09	1.451E-15	2.978E-05	-2.977E+04	-1.210E-05	3.585E-15
340	3	34.50	1	-6.989E-10	7.671E+02	-4.049E-09	2.783E-15	-2.971E-05	-1.323E+04	-1.648E-05	-4.776E-15
340	3	34.50	2	6.981E-10	7.671E+02	4.013E-09	1.451E-15	2.971E-05	-1.323E+04	-1.648E-05	4.776E-15
340	4	51.75	1	-6.989E-10	3.836E+02	-4.049E-09	2.783E-15	-2.964E-05	-3.308E+03	-1.256E-05	-3.579E-15
340	4	51.75	2	6.981E-10	3.836E+02	4.013E-09	1.451E-15	2.964E-05	-3.308E+03	-1.256E-05	3.579E-15
340	5	69.00	1	-6.989E-10	9.227E-10	-4.049E-09	2.783E-15	-2.957E-05	1.041E-07	4.930E-13	-2.048E-21
340	5	69.00	2	6.981E-10	9.008E-10	4.013E-09	1.451E-15	2.957E-05	9.705E-08	4.930E-13	2.048E-21
341	1	0.00	1	-5.150E-10	7.145E-11	-3.318E-09	0.000E+00	-3.688E-07	1.047E-07	0.000E+00	0.000E+00
341	1	0.00	2	1.835E-10	7.281E-11	3.318E-09	0.000E+00	3.688E-07	1.046E-07	0.000E+00	0.000E+00
341	2	17.25	1	-5.150E-10	-3.836E+02	-1.164E+02	0.000E+00	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
341	2	17.25	2	1.835E-10	-3.836E+02	1.164E+02	0.000E+00	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06
341	3	34.50	1	-5.150E-10	-7.671E+02	-2.329E+02	0.000E+00	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
341	3	34.50	2	1.835E-10	-7.671E+02	2.329E+02	0.000E+00	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
341	4	51.75	1	-5.150E-10	-1.151E+03	-3.493E+02	0.000E+00	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
341	4	51.75	2	1.835E-10	-1.151E+03	3.493E+02	0.000E+00	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06
341	5	69.00	1	-5.150E-10	-1.534E+03	-4.658E+02	0.000E+00	1.607E+04	-5.293E+04	9.748E-15	4.926E-15
341	5	69.00	2	1.835E-10	-1.534E+03	4.658E+02	0.000E+00	-1.607E+04	-5.293E+04	9.748E-15	-4.926E-15
342	1	0.00	1	-1.010E-10	2.791E-10	4.191E-09	0.000E+00	-2.794E-07	9.817E-08	0.000E+00	0.000E+00
342	1	0.00	2	-1.010E-10	2.293E-10	-4.191E-09	0.000E+00	2.794E-07	9.922E-08	0.000E+00	0.000E+00
342	2	17.25	1	-1.010E-10	-3.836E+02	4.191E-09	0.000E+00	-3.517E-07	-3.308E+03	-1.256E-05	-4.821E-17
342	2	17.25	2	-1.010E-10	-3.836E+02	-4.191E-09	0.000E+00	3.517E-07	-3.308E+03	-1.256E-05	4.821E-17
342	3	34.50	1	-1.010E-10	-7.671E+02	4.191E-09	0.000E+00	-4.240E-07	-1.323E+04	-1.648E-05	-6.816E-17
342	3	34.50	2	-1.010E-10	-7.671E+02	-4.191E-09	0.000E+00	4.240E-07	-1.323E+04	-1.648E-05	6.816E-17
342	4	51.75	1	-1.010E-10	-1.151E+03	4.191E-09	0.000E+00	-4.963E-07	-2.977E+04	-1.210E-05	-5.402E-17
342	4	51.75	2	-1.010E-10	-1.151E+03	-4.191E-09	0.000E+00	4.963E-07	-2.977E+04	-1.210E-05	5.402E-17
342	5	69.00	1	-1.010E-10	-1.534E+03	4.191E-09	0.000E+00	-5.686E-07	-5.293E+04	9.738E-15	9.229E-24
342	5	69.00	2	-1.010E-10	-1.534E+03	-4.191E-09	0.000E+00	5.686E-07	-5.293E+04	9.738E-15	-9.229E-24
343	1	0.00	1	1.403E+04	5.985E+04	-6.865E+01	1.718E-01	-2.128E+06	-5.324E+04	0.000E+00	0.000E+00
343	1	0.00	2	-1.416E+04	5.985E+04	6.165E+01	1.718E-01	2.128E+06	-5.262E+04	0.000E+00	0.000E+00
343	2	45.25	1	1.403E+04	5.884E+04	-3.741E+02	1.718E-01	-2.118E+06	2.632E+06	-1.673E-03	-1.769E-03
343	2	45.25	2	-1.416E+04	5.884E+04	3.671E+02	1.718E-01	2.119E+06	2.633E+06	-1.673E-03	1.769E-03
343	3	90.50	1	1.403E+04	5.784E+04	-6.795E+02	1.718E-01	-2.095E+06	5.272E+06	-2.653E-03	-2.348E-03
343	3	90.50	2	-1.416E+04	5.784E+04	6.725E+02	1.718E-01	2.095E+06	5.273E+06	-2.653E-03	2.349E-03
343	4	135.75	1	1.403E+04	5.683E+04	-9.850E+02	1.718E-01	-2.057E+06	7.867E+06	-2.303E-03	-1.752E-03
343	4	135.75	2	-1.416E+04	5.683E+04	9.780E+02	1.718E-01	2.058E+06	7.867E+06	-2.303E-03	1.752E-03
343	5	181.00	1	1.403E+04	5.583E+04	-1.290E+03	1.718E-01	-2.005E+06	1.042E+07	-5.450E-11	1.596E-10
343	5	181.00	2	-1.416E+04	5.583E+04	1.283E+03	1.718E-01	2.007E+06	1.042E+07	-5.453E-11	-1.596E-10
344	1	0.00	1	-1.416E+04	5.985E+04	-3.971E+02	-1.718E-01	-2.146E+06	-5.262E+04	0.000E+00	0.000E+00
344	1	0.00	2	1.403E+04	5.985E+04	4.041E+02	-1.718E-01	2.146E+06	-5.324E+04	0.000E+00	0.000E+00
344	2	45.25	1	-1.416E+04	5.884E+04	-3.971E+02	-1.718E-01	-2.128E+06	2.633E+06	-1.673E-03	-1.756E-03
344	2	45.25	2	1.403E+04	5.884E+04	4.041E+02	-1.718E-01	2.128E+06	2.632E+06	-1.673E-03	1.755E-03
344	3	90.50	1	-1.416E+04	5.784E+04	-3.971E+02	-1.718E-01	-2.110E+06	5.273E+06	-2.653E-03	-2.334E-03
344	3	90.50	2	1.403E+04	5.784E+04	4.041E+02	-1.718E-01	2.110E+06	5.272E+06	-2.653E-03	2.334E-03
344	4	135.75	1	-1.416E+04	5.683E+04	-3.971E+02	-1.718E-01	-2.092E+06	7.867E+06	-2.303E-03	-1.746E-03
344	4	135.75	2	1.403E+04	5.683E+04	4.041E+02	-1.718E-01	2.092E+06	7.867E+06	-2.303E-03	1.745E-03
344	5	181.00	1	-1.416E+04	5.583E+04	-3.971E+02	-1.718E-01	-2.074E+06	1.042E+07	-5.453E-11	2.018E-11
344	5	181.00	2	1.403E+04	5.583E+04	4.041E+02	-1.718E-01	2.073E+06	1.042E+07	-5.450E-11	-2.017E-11
345	1	0.00	1	1.856E+04	4.489E+04	-6.756E+01	2.793E-02	-2.691E+06	1.042E+07	0.000E+00	0.000E+00
345	1	0.00	2	-1.865E+04	4.489E+04	6.946E+01	2.868E-02	2.692E+06	1.042E+07	0.000E+00	0.000E+00

345	2	127.25	1	1.856E+04	4.206E+04	-9.265E+02	2.793E-02	-2.628E+06	1.595E+07	-5.586E-02	-1.652E-02
345	2	127.25	2	-1.864E+04	4.206E+04	9.284E+02	2.868E-02	2.629E+06	1.595E+07	-5.586E-02	1.652E-02
345	3	254.50	1	1.856E+04	3.923E+04	-1.785E+03	2.793E-02	-2.455E+06	2.112E+07	-8.093E-02	-2.144E-02
345	3	254.50	2	-1.864E+04	3.923E+04	1.787E+03	2.868E-02	2.456E+06	2.112E+07	-8.094E-02	2.145E-02
345	4	381.75	1	1.857E+04	3.640E+04	-2.644E+03	2.793E-02	-2.173E+06	2.593E+07	-6.537E-02	-1.553E-02
345	4	381.75	2	-1.864E+04	3.640E+04	2.646E+03	2.868E-02	2.174E+06	2.593E+07	-6.537E-02	1.553E-02
345	5	509.00	1	1.857E+04	3.357E+04	-3.503E+03	2.793E-02	-1.782E+06	3.038E+07	-6.469E-10	8.328E-09
345	5	509.00	2	-1.864E+04	3.357E+04	3.505E+03	2.868E-02	1.782E+06	3.039E+07	-6.474E-10	-8.329E-09
346	1	0.00	1	-1.865E+04	4.489E+04	-1.620E+03	-2.868E-02	-2.761E+06	1.042E+07	0.000E+00	0.000E+00
346	1	0.00	2	1.856E+04	4.489E+04	1.618E+03	-2.793E-02	2.760E+06	1.042E+07	0.000E+00	0.000E+00
346	2	127.25	1	-1.864E+04	4.206E+04	-1.620E+03	-2.868E-02	-2.554E+06	1.595E+07	-5.586E-02	-1.586E-02
346	2	127.25	2	1.856E+04	4.206E+04	1.618E+03	-2.793E-02	2.554E+06	1.595E+07	-5.586E-02	1.585E-02
346	3	254.50	1	-1.864E+04	3.923E+04	-1.620E+03	-2.868E-02	-2.348E+06	2.112E+07	-8.094E-02	-2.054E-02
346	3	254.50	2	1.856E+04	3.923E+04	1.618E+03	-2.793E-02	2.348E+06	2.112E+07	-8.093E-02	2.054E-02
346	4	381.75	1	-1.864E+04	3.640E+04	-1.620E+03	-2.868E-02	-2.142E+06	2.593E+07	-6.537E-02	-1.496E-02
346	4	381.75	2	1.857E+04	3.640E+04	1.618E+03	-2.793E-02	2.142E+06	2.593E+07	-6.537E-02	1.495E-02
346	5	509.00	1	-1.864E+04	3.357E+04	-1.620E+03	-2.868E-02	-1.936E+06	3.039E+07	-6.474E-10	-5.813E-10
346	5	509.00	2	1.857E+04	3.357E+04	1.618E+03	-2.793E-02	1.936E+06	3.038E+07	-6.468E-10	5.816E-10
347	1	0.00	1	2.427E+04	1.931E+04	-1.694E+03	1.374E-02	-2.648E+06	3.038E+07	0.000E+00	0.000E+00
347	1	0.00	2	-2.431E+04	1.931E+04	1.693E+03	1.451E-02	2.648E+06	3.039E+07	0.000E+00	0.000E+00
347	2	127.50	1	2.427E+04	1.647E+04	-2.554E+03	1.374E-02	-2.377E+06	3.267E+07	-9.780E-02	-1.402E-02
347	2	127.50	2	-2.431E+04	1.647E+04	2.554E+03	1.451E-02	2.377E+06	3.267E+07	-9.781E-02	1.402E-02
347	3	255.00	1	2.428E+04	1.364E+04	-3.415E+03	1.374E-02	-1.997E+06	3.459E+07	-1.327E-01	-1.750E-02
347	3	255.00	2	-2.430E+04	1.364E+04	3.414E+03	1.451E-02	1.997E+06	3.459E+07	-1.327E-01	1.750E-02
347	4	382.50	1	2.428E+04	1.080E+04	-4.276E+03	1.374E-02	-1.507E+06	3.614E+07	-1.011E-01	-1.211E-02
347	4	382.50	2	-2.430E+04	1.080E+04	4.275E+03	1.451E-02	1.507E+06	3.614E+07	-1.011E-01	1.211E-02
347	5	510.00	1	2.428E+04	7.967E+03	-5.136E+03	1.374E-02	-9.065E+05	3.734E+07	-1.747E-09	1.874E-09
347	5	510.00	2	-2.430E+04	7.967E+03	5.135E+03	1.451E-02	9.067E+05	3.734E+07	-1.746E-09	-1.874E-09
348	1	0.00	1	-2.431E+04	1.931E+04	-3.430E+03	-1.451E-02	-2.802E+06	3.039E+07	0.000E+00	0.000E+00
348	1	0.00	2	2.427E+04	1.931E+04	3.430E+03	-1.374E-02	2.802E+06	3.038E+07	0.000E+00	0.000E+00
348	2	127.50	1	-2.431E+04	1.647E+04	-3.430E+03	-1.451E-02	-2.364E+06	3.267E+07	-9.781E-02	-1.365E-02
348	2	127.50	2	2.427E+04	1.647E+04	3.430E+03	-1.374E-02	2.364E+06	3.267E+07	-9.780E-02	1.365E-02
348	3	255.00	1	-2.430E+04	1.364E+04	-3.430E+03	-1.451E-02	-1.927E+06	3.459E+07	-1.327E-01	-1.692E-02
348	3	255.00	2	2.428E+04	1.364E+04	3.430E+03	-1.374E-02	1.927E+06	3.459E+07	-1.327E-01	1.692E-02
348	4	382.50	1	-2.430E+04	1.080E+04	-3.430E+03	-1.451E-02	-1.490E+06	3.614E+07	-1.011E-01	-1.173E-02
348	4	382.50	2	2.428E+04	1.080E+04	3.430E+03	-1.374E-02	1.490E+06	3.614E+07	-1.011E-01	1.173E-02
348	5	510.00	1	-2.430E+04	7.967E+03	-3.430E+03	-1.451E-02	-1.052E+06	3.734E+07	-1.746E-09	-4.194E-10
348	5	510.00	2	2.428E+04	7.967E+03	3.430E+03	-1.374E-02	1.052E+06	3.734E+07	-1.747E-09	4.192E-10
349	1	0.00	1	3.100E+04	-7.967E+03	-3.430E+03	-1.457E-02	-1.927E+06	3.734E+07	0.000E+00	0.000E+00
349	1	0.00	2	-3.099E+04	-7.967E+03	3.431E+03	-1.368E-02	1.927E+06	3.734E+07	0.000E+00	0.000E+00
349	2	127.50	1	3.101E+04	-1.080E+04	-4.291E+03	-1.457E-02	-1.435E+06	3.614E+07	-1.011E-01	-6.842E-03
349	2	127.50	2	-3.098E+04	-1.080E+04	4.291E+03	-1.368E-02	1.435E+06	3.614E+07	-1.011E-01	6.841E-03
349	3	255.00	1	3.101E+04	-1.364E+04	-5.152E+03	-1.457E-02	-8.329E+05	3.458E+07	-1.327E-01	-7.280E-03
349	3	255.00	2	-3.098E+04	-1.364E+04	5.152E+03	-1.368E-02	8.328E+05	3.459E+07	-1.327E-01	7.279E-03
349	4	382.50	1	3.101E+04	-1.647E+04	-6.012E+03	-1.457E-02	-1.213E+05	3.267E+07	-9.780E-02	-3.958E-03
349	4	382.50	2	-3.098E+04	-1.647E+04	6.012E+03	-1.368E-02	1.211E+05	3.267E+07	-9.781E-02	3.957E-03
349	5	510.00	1	3.101E+04	-1.931E+04	-6.873E+03	-1.457E-02	7.002E+05	3.038E+07	2.433E-09	-2.293E-09
349	5	510.00	2	-3.098E+04	-1.931E+04	6.873E+03	-1.368E-02	-7.004E+05	3.039E+07	2.433E-09	2.293E-09
350	1	0.00	1	-3.099E+04	-7.967E+03	-5.135E+03	1.368E-02	-2.073E+06	3.734E+07	0.000E+00	0.000E+00
350	1	0.00	2	3.100E+04	-7.967E+03	5.135E+03	1.457E-02	2.073E+06	3.734E+07	0.000E+00	0.000E+00
350	2	127.50	1	-3.098E+04	-1.080E+04	-5.135E+03	1.368E-02	-1.418E+06	3.614E+07	-1.011E-01	-6.465E-03
350	2	127.50	2	3.101E+04	-1.080E+04	5.135E+03	1.457E-02	1.418E+06	3.614E+07	-1.011E-01	6.466E-03
350	3	255.00	1	-3.098E+04	-1.364E+04	-5.135E+03	1.368E-02	-7.633E+05	3.459E+07	-1.327E-01	-6.703E-03
350	3	255.00	2	3.101E+04	-1.364E+04	5.135E+03	1.457E-02	7.634E+05	3.458E+07	-1.327E-01	6.704E-03
350	4	382.50	1	-3.098E+04	-1.647E+04	-5.135E+03	1.368E-02	-1.085E+05	3.267E+07	-9.781E-02	-3.590E-03
350	4	382.50	2	3.101E+04	-1.647E+04	5.135E+03	1.457E-02	1.087E+05	3.267E+07	-9.780E-02	3.591E-03
350	5	510.00	1	-3.098E+04	-1.931E+04	-5.135E+03	1.368E-02	5.463E+05	3.039E+07	2.433E-09	1.767E-09
350	5	510.00	2	3.101E+04	-1.931E+04	5.135E+03	1.457E-02	-5.461E+05	3.038E+07	2.433E-09	-1.767E-09
351	1	0.00	1	3.826E+04	-3.357E+04	-5.060E+03	-2.881E-02	-4.007E+05	3.038E+07	0.000E+00	0.000E+00
351	1	0.00	2	-3.819E+04	-3.357E+04	5.055E+03	-2.780E-02	4.003E+05	3.039E+07	0.000E+00	0.000E+00
351	2	127.25	1	3.826E+04	-3.640E+04	-5.919E+03	-2.881E-02	2.978E+05	2.593E+07	-6.537E-02	5.453E-03
351	2	127.25	2	-3.819E+04	-3.640E+04	5.914E+03	-2.780E-02	-2.976E+05	2.593E+07	-6.537E-02	-5.448E-03

351	3	254.50	1	3.827E+04	-3.923E+04	-6.778E+03	-2.881E-02	1.106E+06	2.112E+07	-8.093E-02	9.706E-03
351	3	254.50	2	-3.819E+04	-3.923E+04	6.773E+03	-2.780E-02	-1.105E+06	2.112E+07	-8.094E-02	-9.698E-03
351	4	381.75	1	3.827E+04	-4.206E+04	-7.637E+03	-2.881E-02	2.023E+06	1.595E+07	-5.586E-02	9.225E-03
351	4	381.75	2	-3.819E+04	-4.206E+04	7.632E+03	-2.780E-02	-2.021E+06	1.595E+07	-5.586E-02	-9.218E-03
351	5	509.00	1	3.827E+04	-4.489E+04	-8.496E+03	-2.881E-02	3.049E+06	1.041E+07	-1.329E-08	-4.369E-11
351	5	509.00	2	-3.818E+04	-4.489E+04	8.491E+03	-2.780E-02	-3.047E+06	1.042E+07	-1.329E-08	4.384E-11
352	1	0.00	1	-3.819E+04	-3.357E+04	-6.948E+03	2.780E-02	-5.545E+05	3.039E+07	0.000E+00	0.000E+00
352	1	0.00	2	3.826E+04	-3.357E+04	6.953E+03	2.881E-02	5.549E+05	3.038E+07	0.000E+00	0.000E+00
352	2	127.25	1	-3.819E+04	-3.640E+04	-6.948E+03	2.780E-02	3.297E+05	2.593E+07	-6.537E-02	6.030E-03
352	2	127.25	2	3.826E+04	-3.640E+04	6.953E+03	2.881E-02	-3.300E+05	2.593E+07	-6.537E-02	-6.035E-03
352	3	254.50	1	-3.819E+04	-3.923E+04	-6.948E+03	2.780E-02	1.214E+06	2.112E+07	-8.094E-02	1.062E-02
352	3	254.50	2	3.827E+04	-3.923E+04	6.953E+03	2.881E-02	-1.215E+06	2.112E+07	-8.093E-02	-1.063E-02
352	4	381.75	1	-3.819E+04	-4.206E+04	-6.948E+03	2.780E-02	2.098E+06	1.595E+07	-5.586E-02	9.897E-03
352	4	381.75	2	3.827E+04	-4.206E+04	6.953E+03	2.881E-02	-2.100E+06	1.595E+07	-5.586E-02	-9.905E-03
352	5	509.00	1	-3.818E+04	-4.489E+04	-6.948E+03	2.780E-02	2.982E+06	1.042E+07	-1.329E-08	-6.157E-10
352	5	509.00	2	3.827E+04	-4.489E+04	6.953E+03	2.881E-02	-2.984E+06	1.041E+07	-1.329E-08	6.155E-10
353	1	0.00	1	4.520E+04	-5.582E+04	-7.284E+03	-1.729E-01	1.996E+06	1.041E+07	0.000E+00	0.000E+00
353	1	0.00	2	-4.508E+04	-5.583E+04	7.296E+03	-1.707E-01	-1.994E+06	1.042E+07	0.000E+00	0.000E+00
353	2	45.25	1	4.520E+04	-5.682E+04	-7.589E+03	-1.729E-01	2.333E+06	7.866E+06	-2.303E-03	2.105E-03
353	2	45.25	2	-4.508E+04	-5.684E+04	7.601E+03	-1.707E-01	-2.331E+06	7.867E+06	-2.303E-03	-2.104E-03
353	3	90.50	1	4.521E+04	-5.783E+04	-7.895E+03	-1.729E-01	2.683E+06	5.272E+06	-2.653E-03	2.937E-03
353	3	90.50	2	-4.508E+04	-5.784E+04	7.906E+03	-1.707E-01	-2.682E+06	5.273E+06	-2.653E-03	-2.935E-03
353	4	135.75	1	4.521E+04	-5.884E+04	-8.200E+03	-1.729E-01	3.047E+06	2.633E+06	-1.673E-03	2.302E-03
353	4	135.75	2	-4.508E+04	-5.885E+04	8.212E+03	-1.707E-01	-3.047E+06	2.632E+06	-1.673E-03	-2.301E-03
353	5	181.00	1	4.521E+04	-5.984E+04	-8.506E+03	-1.729E-01	3.425E+06	-5.254E+04	-8.975E-10	1.265E-10
353	5	181.00	2	-4.508E+04	-5.986E+04	8.517E+03	-1.707E-01	-3.425E+06	-5.333E+04	-8.976E-10	-1.263E-10
354	1	0.00	1	-4.508E+04	-5.583E+04	-8.160E+03	1.707E-01	1.930E+06	1.042E+07	0.000E+00	0.000E+00
354	1	0.00	2	4.520E+04	-5.582E+04	8.148E+03	1.729E-01	-1.932E+06	1.041E+07	0.000E+00	0.000E+00
354	2	45.25	1	-4.508E+04	-5.684E+04	-8.160E+03	1.707E-01	2.300E+06	7.867E+06	-2.303E-03	2.112E-03
354	2	45.25	2	4.520E+04	-5.682E+04	8.148E+03	1.729E-01	-2.301E+06	7.866E+06	-2.303E-03	-2.113E-03
354	3	90.50	1	-4.508E+04	-5.784E+04	-8.160E+03	1.707E-01	2.669E+06	5.273E+06	-2.653E-03	2.952E-03
354	3	90.50	2	4.521E+04	-5.783E+04	8.148E+03	1.729E-01	-2.670E+06	5.272E+06	-2.653E-03	-2.953E-03
354	4	135.75	1	-4.508E+04	-5.885E+04	-8.160E+03	1.707E-01	3.038E+06	2.632E+06	-1.673E-03	2.316E-03
354	4	135.75	2	4.521E+04	-5.884E+04	8.148E+03	1.729E-01	-3.039E+06	2.633E+06	-1.673E-03	-2.317E-03
354	5	181.00	1	-4.508E+04	-5.986E+04	-8.160E+03	1.707E-01	3.407E+06	-5.333E+04	-8.976E-10	4.873E-10
354	5	181.00	2	4.521E+04	-5.984E+04	8.148E+03	1.729E-01	-3.407E+06	-5.254E+04	-8.975E-10	-4.876E-10
355	1	0.00	1	-2.224E+00	1.534E+03	4.658E+02	5.002E-11	1.607E+04	-5.293E+04	0.000E+00	0.000E+00
355	1	0.00	2	2.224E+00	1.534E+03	-4.658E+02	-5.020E-11	-1.607E+04	-5.293E+04	0.000E+00	0.000E+00
355	2	17.25	1	-1.668E+00	1.151E+03	3.493E+02	5.002E-11	9.038E+03	-2.977E+04	-1.210E-05	-3.250E-06
355	2	17.25	2	1.668E+00	1.151E+03	-3.493E+02	-5.020E-11	-9.038E+03	-2.977E+04	-1.210E-05	3.250E-06
355	3	34.50	1	-1.112E+00	7.671E+02	2.329E+02	5.002E-11	4.017E+03	-1.323E+04	-1.648E-05	-4.575E-06
355	3	34.50	2	1.112E+00	7.671E+02	-2.329E+02	-5.020E-11	-4.017E+03	-1.323E+04	-1.648E-05	4.575E-06
355	4	51.75	1	-5.559E-01	3.836E+02	1.164E+02	5.002E-11	1.004E+03	-3.308E+03	-1.256E-05	-3.573E-06
355	4	51.75	2	5.559E-01	3.836E+02	-1.164E+02	-5.020E-11	-1.004E+03	-3.308E+03	-1.256E-05	3.573E-06
355	5	69.00	1	7.112E-10	7.190E-10	9.704E-11	5.002E-11	1.169E-08	-9.860E-09	2.092E-13	-3.647E-13
355	5	69.00	2	-1.498E-10	6.945E-10	-5.013E-11	-5.020E-11	-1.393E-08	-9.110E-09	2.092E-13	3.647E-13
356	1	0.00	1	-2.224E+00	1.534E+03	-9.638E-11	6.064E-11	1.007E-08	-5.293E+04	0.000E+00	0.000E+00
356	1	0.00	2	2.224E+00	1.534E+03	7.825E-11	-5.816E-11	-1.228E-08	-5.293E+04	0.000E+00	0.000E+00
356	2	17.25	1	-1.668E+00	1.151E+03	-9.638E-11	6.064E-11	1.173E-08	-2.977E+04	-1.210E-05	1.650E-18
356	2	17.25	2	1.668E+00	1.151E+03	7.825E-11	-5.816E-11	-1.363E-08	-2.977E+04	-1.210E-05	-1.650E-18
356	3	34.50	1	-1.112E+00	7.671E+02	-9.638E-11	6.064E-11	1.340E-08	-1.323E+04	-1.648E-05	2.281E-18
356	3	34.50	2	1.112E+00	7.671E+02	7.825E-11	-5.816E-11	-1.498E-08	-1.323E+04	-1.648E-05	-2.281E-18
356	4	51.75	1	-5.559E-01	3.836E+02	-9.638E-11	6.064E-11	1.506E-08	-3.308E+03	-1.256E-05	1.771E-18
356	4	51.75	2	5.559E-01	3.836E+02	7.825E-11	-5.816E-11	-1.633E-08	-3.308E+03	-1.256E-05	-1.771E-18
356	5	69.00	1	-1.817E-10	5.486E-10	-9.638E-11	6.064E-11	1.672E-08	5.357E-08	2.092E-13	2.680E-26
356	5	69.00	2	3.382E-10	6.041E-10	7.825E-11	-5.816E-11	-1.768E-08	5.828E-08	2.092E-13	-2.680E-26
501	1	0.00	1	-3.813E+02	3.792E+03	-2.239E+04	3.409E+02	-3.407E+06	-3.765E+03	0.000E+00	0.000E+00
501	1	0.00	2	1.513E+02	3.742E+03	2.239E+04	-3.409E+02	3.407E+06	3.765E+03	0.000E+00	0.000E+00
501	2	76.10	1	-3.813E+02	1.908E+03	-2.239E+04	3.409E+02	-1.703E+06	2.131E+05	-1.049E-02	-5.403E-02
501	2	76.10	2	1.513E+02	1.859E+03	2.239E+04	-3.409E+02	1.703E+06	2.169E+05	-1.055E-02	5.400E-02
501	3	152.20	1	-3.813E+02	2.473E+01	-2.239E+04	3.409E+02	8.513E+02	2.867E+05	-1.470E-02	1.081E-04
501	3	152.20	2	1.513E+02	-2.473E+01	2.239E+04	-3.409E+02	-1.171E+03	2.867E+05	-1.470E-02	-1.487E-04

501	4	228.30	1	-3.813E+02	-1.859E+03	-2.239E+04	3.409E+02	1.705E+06	2.169E+05	-1.055E-02	5.419E-02
501	4	228.30	2	1.513E+02	-1.908E+03	2.239E+04	-3.409E+02	-1.705E+06	2.131E+05	-1.049E-02	-5.422E-02
501	5	304.40	1	-3.813E+02	-3.742E+03	-2.239E+04	3.409E+02	3.409E+06	3.762E+03	-1.293E-09	3.520E-08
501	5	304.40	2	1.513E+02	-3.792E+03	2.239E+04	-3.409E+02	-3.410E+06	-3.762E+03	-1.301E-09	-3.521E-08
502	1	0.00	1	-4.041E+02	3.782E+03	-1.410E+04	2.547E+02	-2.146E+06	-2.372E+03	0.000E+00	0.000E+00
502	1	0.00	2	3.971E+02	3.751E+03	1.410E+04	-2.547E+02	2.146E+06	2.372E+03	0.000E+00	0.000E+00
502	2	76.10	1	-4.041E+02	1.899E+03	-1.410E+04	2.547E+02	-1.074E+06	2.138E+05	-1.050E-02	-3.415E-02
502	2	76.10	2	3.971E+02	1.868E+03	1.410E+04	-2.547E+02	1.074E+06	2.162E+05	-1.054E-02	3.414E-02
502	3	152.20	1	-4.041E+02	1.552E+01	-1.410E+04	2.547E+02	-1.013E+03	2.867E+05	-1.470E-02	-1.287E-04
502	3	152.20	2	3.971E+02	-1.552E+01	1.410E+04	-2.547E+02	8.415E+02	2.867E+05	-1.470E-02	1.069E-04
502	4	228.30	1	-4.041E+02	-1.868E+03	-1.410E+04	2.547E+02	1.072E+06	2.162E+05	-1.053E-02	3.396E-02
502	4	228.30	2	3.971E+02	-1.899E+03	1.410E+04	-2.547E+02	-1.072E+06	2.138E+05	-1.050E-02	-3.398E-02
502	5	304.40	1	-4.041E+02	-3.751E+03	-1.410E+04	2.547E+02	2.144E+06	2.352E+03	2.967E-10	3.895E-08
502	5	304.40	2	3.971E+02	-3.782E+03	1.410E+04	-2.547E+02	-2.145E+06	-2.352E+03	3.155E-10	-3.895E-08
503	1	0.00	1	-3.969E+02	3.751E+03	1.410E+04	-4.930E+02	2.146E+06	2.372E+03	0.000E+00	0.000E+00
503	1	0.00	2	4.043E+02	3.782E+03	-1.410E+04	4.930E+02	-2.146E+06	-2.372E+03	0.000E+00	0.000E+00
503	2	76.10	1	-3.969E+02	1.868E+03	1.410E+04	-4.930E+02	1.074E+06	2.162E+05	-1.054E-02	3.414E-02
503	2	76.10	2	4.043E+02	1.899E+03	-1.410E+04	4.930E+02	-1.074E+06	2.138E+05	-1.050E-02	-3.415E-02
503	3	152.20	1	-3.969E+02	-1.552E+01	1.410E+04	-4.930E+02	8.419E+02	2.867E+05	-1.470E-02	1.069E-04
503	3	152.20	2	4.043E+02	1.552E+01	-1.410E+04	4.930E+02	-1.013E+03	2.867E+05	-1.470E-02	-1.286E-04
503	4	228.30	1	-3.969E+02	-1.899E+03	1.410E+04	-4.930E+02	-1.072E+06	2.138E+05	-1.050E-02	-3.398E-02
503	4	228.30	2	4.043E+02	-1.868E+03	-1.410E+04	4.930E+02	1.072E+06	2.162E+05	-1.053E-02	3.396E-02
503	5	304.40	1	-3.969E+02	-3.782E+03	1.410E+04	-4.930E+02	-2.145E+06	-2.352E+03	2.212E-10	-3.849E-08
503	5	304.40	2	4.043E+02	-3.751E+03	-1.410E+04	4.930E+02	2.144E+06	2.352E+03	1.985E-10	3.849E-08
504	1	0.00	1	1.574E+04	3.742E+03	2.239E+04	-4.067E+02	3.397E+06	3.754E+03	0.000E+00	0.000E+00
504	1	0.00	2	1.608E+04	3.792E+03	-2.239E+04	4.067E+02	-3.417E+06	-3.776E+03	0.000E+00	0.000E+00
504	2	76.10	1	1.574E+04	1.859E+03	2.239E+04	-4.067E+02	1.693E+06	2.169E+05	-1.054E-02	5.305E-02
504	2	76.10	2	1.608E+04	1.908E+03	-2.239E+04	4.067E+02	-1.713E+06	2.131E+05	-1.049E-02	-5.496E-02
504	3	152.20	1	1.574E+04	-2.473E+01	2.239E+04	-4.067E+02	-1.107E+04	2.867E+05	-1.470E-02	-1.406E-03
504	3	152.20	2	1.608E+04	2.473E+01	-2.239E+04	4.067E+02	-8.925E+03	2.867E+05	-1.470E-02	-1.134E-03
504	4	228.30	1	1.574E+04	-1.908E+03	2.239E+04	-4.067E+02	-1.715E+06	2.131E+05	-1.049E-02	-5.516E-02
504	4	228.30	2	1.608E+04	-1.859E+03	-2.239E+04	4.067E+02	1.695E+06	2.169E+05	-1.054E-02	5.326E-02
504	5	304.40	1	1.574E+04	-3.792E+03	2.239E+04	-4.067E+02	-3.419E+06	-3.773E+03	1.577E-10	8.675E-10
504	5	304.40	2	1.608E+04	-3.742E+03	-2.239E+04	4.067E+02	3.399E+06	3.751E+03	1.509E-10	-1.806E-09
505	1	0.00	1	1.608E+04	3.792E+03	-2.239E+04	1.153E+03	-3.397E+06	-3.754E+03	0.000E+00	0.000E+00
505	1	0.00	2	1.642E+04	3.742E+03	2.239E+04	-1.153E+03	3.417E+06	3.776E+03	0.000E+00	0.000E+00
505	2	76.10	1	1.608E+04	1.908E+03	-2.239E+04	1.153E+03	-1.693E+06	2.131E+05	-1.049E-02	-5.305E-02
505	2	76.10	2	1.642E+04	1.859E+03	2.239E+04	-1.153E+03	1.713E+06	2.169E+05	-1.055E-02	5.496E-02
505	3	152.20	1	1.608E+04	2.473E+01	-2.239E+04	1.153E+03	1.111E+04	2.867E+05	-1.470E-02	1.411E-03
505	3	152.20	2	1.642E+04	-2.473E+01	2.239E+04	-1.153E+03	8.962E+03	2.867E+05	-1.470E-02	1.138E-03
505	4	228.30	1	1.608E+04	-1.859E+03	-2.239E+04	1.153E+03	1.715E+06	2.169E+05	-1.055E-02	5.517E-02
505	4	228.30	2	1.642E+04	-1.908E+03	2.239E+04	-1.153E+03	-1.695E+06	2.131E+05	-1.049E-02	-5.325E-02
505	5	304.40	1	1.608E+04	-3.742E+03	-2.239E+04	1.153E+03	3.419E+06	3.773E+03	-1.761E-09	2.181E-08
505	5	304.40	2	1.642E+04	-3.792E+03	2.239E+04	-1.153E+03	-3.399E+06	-3.751E+03	-1.768E-09	-2.203E-08
506	1	0.00	1	-4.039E+02	3.782E+03	-1.410E+04	1.067E+03	-2.146E+06	-2.372E+03	0.000E+00	0.000E+00
506	1	0.00	2	3.973E+02	3.751E+03	1.410E+04	-1.067E+03	2.146E+06	2.372E+03	0.000E+00	0.000E+00
506	2	76.10	1	-4.039E+02	1.899E+03	-1.410E+04	1.067E+03	-1.074E+06	2.138E+05	-1.050E-02	-3.415E-02
506	2	76.10	2	3.973E+02	1.868E+03	1.410E+04	-1.067E+03	1.074E+06	2.162E+05	-1.054E-02	3.414E-02
506	3	152.20	1	-4.039E+02	1.552E+01	-1.410E+04	1.067E+03	-1.014E+03	2.867E+05	-1.470E-02	-1.287E-04
506	3	152.20	2	3.973E+02	-1.552E+01	1.410E+04	-1.067E+03	8.410E+02	2.867E+05	-1.470E-02	1.068E-04
506	4	228.30	1	-4.039E+02	-1.868E+03	-1.410E+04	1.067E+03	1.072E+06	2.162E+05	-1.053E-02	3.396E-02
506	4	228.30	2	3.973E+02	-1.899E+03	1.410E+04	-1.067E+03	-1.072E+06	2.138E+05	-1.050E-02	-3.398E-02
506	5	304.40	1	-4.039E+02	-3.751E+03	-1.410E+04	1.067E+03	2.144E+06	2.352E+03	3.987E-10	3.674E-08
506	5	304.40	2	3.973E+02	-3.782E+03	1.410E+04	-1.067E+03	-2.145E+06	-2.352E+03	4.055E-10	-3.674E-08
507	1	0.00	1	-3.969E+02	3.751E+03	1.410E+04	-5.813E+02	2.146E+06	2.372E+03	0.000E+00	0.000E+00
507	1	0.00	2	4.043E+02	3.782E+03	-1.410E+04	5.813E+02	-2.146E+06	-2.372E+03	0.000E+00	0.000E+00
507	2	76.10	1	-3.969E+02	1.868E+03	1.410E+04	-5.813E+02	1.074E+06	2.162E+05	-1.054E-02	3.414E-02
507	2	76.10	2	4.043E+02	1.899E+03	-1.410E+04	5.813E+02	-1.074E+06	2.138E+05	-1.050E-02	-3.415E-02
507	3	152.20	1	-3.969E+02	-1.552E+01	1.410E+04	-5.813E+02	8.419E+02	2.867E+05	-1.470E-02	1.069E-04
507	3	152.20	2	4.043E+02	1.552E+01	-1.410E+04	5.813E+02	-1.013E+03	2.867E+05	-1.470E-02	-1.286E-04
507	4	228.30	1	-3.969E+02	-1.899E+03	1.410E+04	-5.813E+02	-1.072E+06	2.138E+05	-1.050E-02	-3.398E-02
507	4	228.30	2	4.043E+02	-1.868E+03	-1.410E+04	5.813E+02	1.072E+06	2.162E+05	-1.053E-02	3.396E-02

507	5	304.40	1	-3.969E+02	-3.782E+03	1.410E+04	-5.813E+02	-2.145E+06	-2.352E+03	2.118E-10	-3.859E-08
507	5	304.40	2	4.043E+02	-3.751E+03	-1.410E+04	5.813E+02	2.144E+06	2.352E+03	2.079E-10	3.859E-08
508	1	0.00	1	1.574E+04	3.742E+03	2.239E+04	-4.950E+02	3.397E+06	3.754E+03	0.000E+00	0.000E+00
508	1	0.00	2	1.608E+04	3.792E+03	-2.239E+04	4.950E+02	-3.417E+06	-3.776E+03	0.000E+00	0.000E+00
508	2	76.10	1	1.574E+04	1.859E+03	2.239E+04	-4.950E+02	1.693E+06	2.169E+05	-1.054E-02	5.305E-02
508	2	76.10	2	1.608E+04	1.908E+03	-2.239E+04	4.950E+02	-1.713E+06	2.131E+05	-1.049E-02	-5.496E-02
508	3	152.20	1	1.574E+04	-2.473E+01	2.239E+04	-4.950E+02	-1.107E+04	2.867E+05	-1.470E-02	-1.406E-03
508	3	152.20	2	1.608E+04	2.473E+01	-2.239E+04	4.950E+02	-8.925E+03	2.867E+05	-1.470E-02	-1.134E-03
508	4	228.30	1	1.574E+04	-1.908E+03	2.239E+04	-4.950E+02	-1.715E+06	2.131E+05	-1.049E-02	-5.516E-02
508	4	228.30	2	1.608E+04	-1.859E+03	-2.239E+04	4.950E+02	1.695E+06	2.169E+05	-1.054E-02	5.326E-02
508	5	304.40	1	1.574E+04	-3.792E+03	2.239E+04	-4.950E+02	-3.419E+06	-3.773E+03	1.487E-10	9.673E-10
508	5	304.40	2	1.608E+04	-3.742E+03	-2.239E+04	4.950E+02	3.399E+06	3.751E+03	1.598E-10	-1.906E-09
509	1	0.00	1	1.608E+04	3.792E+03	-2.239E+04	1.242E+03	-3.397E+06	-3.754E+03	0.000E+00	0.000E+00
509	1	0.00	2	1.642E+04	3.742E+03	2.239E+04	-1.242E+03	3.417E+06	3.776E+03	0.000E+00	0.000E+00
509	2	76.10	1	1.608E+04	1.908E+03	-2.239E+04	1.242E+03	-1.693E+06	2.131E+05	-1.049E-02	-5.305E-02
509	2	76.10	2	1.642E+04	1.859E+03	2.239E+04	-1.242E+03	1.713E+06	2.169E+05	-1.055E-02	5.496E-02
509	3	152.20	1	1.608E+04	2.473E+01	-2.239E+04	1.242E+03	1.111E+04	2.867E+05	-1.470E-02	1.411E-03
509	3	152.20	2	1.642E+04	-2.473E+01	2.239E+04	-1.242E+03	8.962E+03	2.867E+05	-1.470E-02	1.138E-03
509	4	228.30	1	1.608E+04	-1.859E+03	-2.239E+04	1.242E+03	1.715E+06	2.169E+05	-1.055E-02	5.517E-02
509	4	228.30	2	1.642E+04	-1.908E+03	2.239E+04	-1.242E+03	-1.695E+06	2.131E+05	-1.049E-02	-5.325E-02
509	5	304.40	1	1.608E+04	-3.742E+03	-2.239E+04	1.242E+03	3.419E+06	3.773E+03	-1.774E-09	2.191E-08
509	5	304.40	2	1.642E+04	-3.792E+03	2.239E+04	-1.242E+03	-3.399E+06	-3.751E+03	-1.755E-09	-2.213E-08
510	1	0.00	1	-4.039E+02	3.782E+03	-1.410E+04	1.156E+03	-2.146E+06	-2.372E+03	0.000E+00	0.000E+00
510	1	0.00	2	3.973E+02	3.751E+03	1.410E+04	-1.156E+03	2.146E+06	2.372E+03	0.000E+00	0.000E+00
510	2	76.10	1	-4.039E+02	1.899E+03	-1.410E+04	1.156E+03	-1.074E+06	2.138E+05	-1.050E-02	-3.415E-02
510	2	76.10	2	3.973E+02	1.868E+03	1.410E+04	-1.156E+03	1.074E+06	2.162E+05	-1.054E-02	3.414E-02
510	3	152.20	1	-4.039E+02	1.552E+01	-1.410E+04	1.156E+03	-1.014E+03	2.867E+05	-1.470E-02	-1.287E-04
510	3	152.20	2	3.973E+02	-1.552E+01	1.410E+04	-1.156E+03	8.410E+02	2.867E+05	-1.470E-02	1.068E-04
510	4	228.30	1	-4.039E+02	-1.868E+03	-1.410E+04	1.156E+03	1.072E+06	2.162E+05	-1.053E-02	3.396E-02
510	4	228.30	2	3.973E+02	-1.899E+03	1.410E+04	-1.156E+03	-1.072E+06	2.138E+05	-1.050E-02	-3.398E-02
510	5	304.40	1	-4.039E+02	-3.751E+03	-1.410E+04	1.156E+03	2.144E+06	2.352E+03	4.069E-10	3.664E-08
510	5	304.40	2	3.973E+02	-3.782E+03	1.410E+04	-1.156E+03	-2.145E+06	-2.352E+03	3.973E-10	-3.664E-08
511	1	0.00	1	-3.969E+02	3.751E+03	1.410E+04	-4.505E+02	2.146E+06	2.372E+03	0.000E+00	0.000E+00
511	1	0.00	2	4.043E+02	3.782E+03	-1.410E+04	4.505E+02	-2.146E+06	-2.372E+03	0.000E+00	0.000E+00
511	2	76.10	1	-3.969E+02	1.868E+03	1.410E+04	-4.505E+02	1.074E+06	2.162E+05	-1.054E-02	3.414E-02
511	2	76.10	2	4.043E+02	1.899E+03	-1.410E+04	4.505E+02	-1.074E+06	2.138E+05	-1.050E-02	-3.415E-02
511	3	152.20	1	-3.969E+02	-1.552E+01	1.410E+04	-4.505E+02	8.419E+02	2.867E+05	-1.470E-02	1.069E-04
511	3	152.20	2	4.043E+02	1.552E+01	-1.410E+04	4.505E+02	-1.013E+03	2.867E+05	-1.470E-02	-1.286E-04
511	4	228.30	1	-3.969E+02	-1.899E+03	1.410E+04	-4.505E+02	-1.072E+06	2.138E+05	-1.050E-02	-3.398E-02
511	4	228.30	2	4.043E+02	-1.868E+03	-1.410E+04	4.505E+02	1.072E+06	2.162E+05	-1.053E-02	3.396E-02
511	5	304.40	1	-3.969E+02	-3.782E+03	1.410E+04	-4.505E+02	-2.145E+06	-2.352E+03	2.185E-10	-3.844E-08
511	5	304.40	2	4.043E+02	-3.751E+03	-1.410E+04	4.505E+02	2.144E+06	2.352E+03	2.012E-10	3.844E-08
512	1	0.00	1	1.574E+04	3.742E+03	2.239E+04	-3.642E+02	3.397E+06	3.754E+03	0.000E+00	0.000E+00
512	1	0.00	2	1.608E+04	3.792E+03	-2.239E+04	3.642E+02	-3.417E+06	-3.776E+03	0.000E+00	0.000E+00
512	2	76.10	1	1.574E+04	1.859E+03	2.239E+04	-3.642E+02	1.693E+06	2.169E+05	-1.054E-02	5.305E-02
512	2	76.10	2	1.608E+04	1.908E+03	-2.239E+04	3.642E+02	-1.713E+06	2.131E+05	-1.049E-02	-5.496E-02
512	3	152.20	1	1.574E+04	-2.473E+01	2.239E+04	-3.642E+02	-1.107E+04	2.867E+05	-1.470E-02	-1.406E-03
512	3	152.20	2	1.608E+04	2.473E+01	-2.239E+04	3.642E+02	-8.925E+03	2.867E+05	-1.470E-02	-1.134E-03
512	4	228.30	1	1.574E+04	-1.908E+03	2.239E+04	-3.642E+02	-1.715E+06	2.131E+05	-1.049E-02	-5.516E-02
512	4	228.30	2	1.608E+04	-1.859E+03	-2.239E+04	3.642E+02	1.695E+06	2.169E+05	-1.054E-02	5.326E-02
512	5	304.40	1	1.574E+04	-3.792E+03	2.239E+04	-3.642E+02	-3.419E+06	-3.773E+03	1.620E-10	8.213E-10
512	5	304.40	2	1.608E+04	-3.742E+03	-2.239E+04	3.642E+02	3.399E+06	3.751E+03	1.466E-10	-1.760E-09
513	1	0.00	1	1.608E+04	3.792E+03	-2.239E+04	1.110E+03	-3.397E+06	-3.754E+03	0.000E+00	0.000E+00
513	1	0.00	2	1.642E+04	3.742E+03	2.239E+04	-1.110E+03	3.417E+06	3.776E+03	0.000E+00	0.000E+00
513	2	76.10	1	1.608E+04	1.908E+03	-2.239E+04	1.110E+03	-1.693E+06	2.131E+05	-1.049E-02	-5.305E-02
513	2	76.10	2	1.642E+04	1.859E+03	2.239E+04	-1.110E+03	1.713E+06	2.169E+05	-1.055E-02	5.496E-02
513	3	152.20	1	1.608E+04	2.473E+01	-2.239E+04	1.110E+03	1.111E+04	2.867E+05	-1.470E-02	1.411E-03
513	3	152.20	2	1.642E+04	-2.473E+01	2.239E+04	-1.110E+03	8.962E+03	2.867E+05	-1.470E-02	1.138E-03
513	4	228.30	1	1.608E+04	-1.859E+03	-2.239E+04	1.110E+03	1.715E+06	2.169E+05	-1.055E-02	5.517E-02
513	4	228.30	2	1.642E+04	-1.908E+03	2.239E+04	-1.110E+03	-1.695E+06	2.131E+05	-1.049E-02	-5.325E-02
513	5	304.40	1	1.608E+04	-3.742E+03	-2.239E+04	1.110E+03	3.419E+06	3.773E+03	-1.757E-09	2.176E-08
513	5	304.40	2	1.642E+04	-3.792E+03	2.239E+04	-1.110E+03	-3.399E+06	-3.751E+03	-1.772E-09	-2.198E-08

514	1	0.00	1	-4.039E+02	3.782E+03	-1.410E+04	1.024E+03	-2.146E+06	-2.372E+03	0.000E+00	0.000E+00
514	1	0.00	2	3.973E+02	3.751E+03	1.410E+04	-1.024E+03	2.146E+06	2.372E+03	0.000E+00	0.000E+00
514	2	76.10	1	-4.039E+02	1.899E+03	-1.410E+04	1.024E+03	-1.074E+06	2.138E+05	-1.050E-02	-3.415E-02
514	2	76.10	2	3.973E+02	1.868E+03	1.410E+04	-1.024E+03	1.074E+06	2.162E+05	-1.054E-02	3.414E-02
514	3	152.20	1	-4.039E+02	1.552E+01	-1.410E+04	1.024E+03	-1.014E+03	2.867E+05	-1.470E-02	-1.287E-04
514	3	152.20	2	3.973E+02	-1.552E+01	1.410E+04	-1.024E+03	8.410E+02	2.867E+05	-1.470E-02	1.068E-04
514	4	228.30	1	-4.039E+02	-1.868E+03	-1.410E+04	1.024E+03	1.072E+06	2.162E+05	-1.053E-02	3.396E-02
514	4	228.30	2	3.973E+02	-1.899E+03	1.410E+04	-1.024E+03	-1.072E+06	2.138E+05	-1.050E-02	-3.398E-02
514	5	304.40	1	-4.039E+02	-3.751E+03	-1.410E+04	1.024E+03	2.144E+06	2.352E+03	4.138E-10	3.678E-08
514	5	304.40	2	3.973E+02	-3.782E+03	1.410E+04	-1.024E+03	-2.145E+06	-2.352E+03	3.904E-10	-3.679E-08
515	1	0.00	1	-3.969E+02	3.751E+03	1.410E+04	-6.118E+02	2.146E+06	2.372E+03	0.000E+00	0.000E+00
515	1	0.00	2	4.043E+02	3.782E+03	-1.410E+04	6.118E+02	-2.146E+06	-2.372E+03	0.000E+00	0.000E+00
515	2	76.10	1	-3.969E+02	1.868E+03	1.410E+04	-6.118E+02	1.074E+06	2.162E+05	-1.054E-02	3.414E-02
515	2	76.10	2	4.043E+02	1.899E+03	-1.410E+04	6.118E+02	-1.074E+06	2.138E+05	-1.050E-02	-3.415E-02
515	3	152.20	1	-3.969E+02	-1.552E+01	1.410E+04	-6.118E+02	8.419E+02	2.867E+05	-1.470E-02	1.069E-04
515	3	152.20	2	4.043E+02	1.552E+01	-1.410E+04	6.118E+02	-1.013E+03	2.867E+05	-1.470E-02	-1.286E-04
515	4	228.30	1	-3.969E+02	-1.899E+03	1.410E+04	-6.118E+02	-1.072E+06	2.138E+05	-1.050E-02	-3.398E-02
515	4	228.30	2	4.043E+02	-1.868E+03	-1.410E+04	6.118E+02	1.072E+06	2.162E+05	-1.053E-02	3.396E-02
515	5	304.40	1	-3.969E+02	-3.782E+03	1.410E+04	-6.118E+02	-2.145E+06	-2.352E+03	2.153E-10	-3.863E-08
515	5	304.40	2	4.043E+02	-3.751E+03	-1.410E+04	6.118E+02	2.144E+06	2.352E+03	2.044E-10	3.862E-08
516	1	0.00	1	1.596E+04	3.742E+03	2.239E+04	-5.255E+02	3.397E+06	3.754E+03	0.000E+00	0.000E+00
516	1	0.00	2	1.629E+04	3.792E+03	-2.239E+04	5.255E+02	-3.417E+06	-3.776E+03	0.000E+00	0.000E+00
516	2	76.10	1	1.596E+04	1.859E+03	2.239E+04	-5.255E+02	1.693E+06	2.169E+05	-1.054E-02	5.304E-02
516	2	76.10	2	1.629E+04	1.908E+03	-2.239E+04	5.255E+02	-1.713E+06	2.131E+05	-1.049E-02	-5.497E-02
516	3	152.20	1	1.596E+04	-2.473E+01	2.239E+04	-5.255E+02	-1.120E+04	2.867E+05	-1.470E-02	-1.423E-03
516	3	152.20	2	1.629E+04	2.473E+01	-2.239E+04	5.255E+02	-9.058E+03	2.867E+05	-1.470E-02	-1.150E-03
516	4	228.30	1	1.596E+04	-1.908E+03	2.239E+04	-5.255E+02	-1.715E+06	2.131E+05	-1.049E-02	-5.517E-02
516	4	228.30	2	1.629E+04	-1.859E+03	-2.239E+04	5.255E+02	1.695E+06	2.169E+05	-1.054E-02	5.324E-02
516	5	304.40	1	1.596E+04	-3.792E+03	2.239E+04	-5.255E+02	-3.420E+06	-3.773E+03	1.457E-10	1.009E-09
516	5	304.40	2	1.629E+04	-3.742E+03	-2.239E+04	5.255E+02	3.399E+06	3.751E+03	1.629E-10	-1.935E-09
517	1	0.00	1	1.630E+04	3.792E+03	-2.239E+04	1.273E+03	-3.397E+06	-3.754E+03	0.000E+00	0.000E+00
517	1	0.00	2	1.663E+04	3.742E+03	2.239E+04	-1.273E+03	3.417E+06	3.776E+03	0.000E+00	0.000E+00
517	2	76.10	1	1.630E+04	1.908E+03	-2.239E+04	1.273E+03	-1.693E+06	2.131E+05	-1.049E-02	-5.304E-02
517	2	76.10	2	1.663E+04	1.859E+03	2.239E+04	-1.273E+03	1.713E+06	2.169E+05	-1.055E-02	5.497E-02
517	3	152.20	1	1.630E+04	2.473E+01	-2.239E+04	1.273E+03	1.124E+04	2.867E+05	-1.470E-02	1.428E-03
517	3	152.20	2	1.663E+04	-2.473E+01	2.239E+04	-1.273E+03	9.097E+03	2.867E+05	-1.470E-02	1.155E-03
517	4	228.30	1	1.630E+04	-1.859E+03	-2.239E+04	1.273E+03	1.715E+06	2.169E+05	-1.055E-02	5.518E-02
517	4	228.30	2	1.663E+04	-1.908E+03	2.239E+04	-1.273E+03	-1.695E+06	2.131E+05	-1.049E-02	-5.324E-02
517	5	304.40	1	1.630E+04	-3.742E+03	-2.239E+04	1.273E+03	3.420E+06	3.773E+03	-1.756E-09	2.196E-08
517	5	304.40	2	1.663E+04	-3.792E+03	2.239E+04	-1.273E+03	-3.399E+06	-3.750E+03	-1.773E-09	-2.215E-08
518	1	0.00	1	-4.039E+02	3.782E+03	-1.410E+04	1.187E+03	-2.146E+06	-2.372E+03	0.000E+00	0.000E+00
518	1	0.00	2	3.973E+02	3.751E+03	1.410E+04	-1.187E+03	2.146E+06	2.372E+03	0.000E+00	0.000E+00
518	2	76.10	1	-4.039E+02	1.899E+03	-1.410E+04	1.187E+03	-1.074E+06	2.138E+05	-1.050E-02	-3.415E-02
518	2	76.10	2	3.973E+02	1.868E+03	1.410E+04	-1.187E+03	1.074E+06	2.162E+05	-1.054E-02	3.414E-02
518	3	152.20	1	-4.039E+02	1.552E+01	-1.410E+04	1.187E+03	-1.014E+03	2.867E+05	-1.470E-02	-1.287E-04
518	3	152.20	2	3.973E+02	-1.552E+01	1.410E+04	-1.187E+03	8.410E+02	2.867E+05	-1.470E-02	1.068E-04
518	4	228.30	1	-4.039E+02	-1.868E+03	-1.410E+04	1.187E+03	1.072E+06	2.162E+05	-1.053E-02	3.396E-02
518	4	228.30	2	3.973E+02	-1.899E+03	1.410E+04	-1.187E+03	-1.072E+06	2.138E+05	-1.050E-02	-3.398E-02
518	5	304.40	1	-4.039E+02	-3.751E+03	-1.410E+04	1.187E+03	2.144E+06	2.352E+03	4.100E-10	3.660E-08
518	5	304.40	2	3.973E+02	-3.782E+03	1.410E+04	-1.187E+03	-2.145E+06	-2.352E+03	3.942E-10	-3.660E-08
519	1	0.00	1	-3.969E+02	3.751E+03	1.410E+04	-6.584E+02	2.146E+06	2.372E+03	0.000E+00	0.000E+00
519	1	0.00	2	4.043E+02	3.782E+03	-1.410E+04	6.584E+02	-2.146E+06	-2.372E+03	0.000E+00	0.000E+00
519	2	76.10	1	-3.969E+02	1.868E+03	1.410E+04	-6.584E+02	1.074E+06	2.162E+05	-1.054E-02	3.414E-02
519	2	76.10	2	4.043E+02	1.899E+03	-1.410E+04	6.584E+02	-1.074E+06	2.138E+05	-1.050E-02	-3.415E-02
519	3	152.20	1	-3.969E+02	-1.552E+01	1.410E+04	-6.584E+02	8.419E+02	2.867E+05	-1.470E-02	1.069E-04
519	3	152.20	2	4.043E+02	1.552E+01	-1.410E+04	6.584E+02	-1.013E+03	2.867E+05	-1.470E-02	-1.286E-04
519	4	228.30	1	-3.969E+02	-1.899E+03	1.410E+04	-6.584E+02	-1.072E+06	2.138E+05	-1.050E-02	-3.398E-02
519	4	228.30	2	4.043E+02	-1.868E+03	-1.410E+04	6.584E+02	1.072E+06	2.162E+05	-1.053E-02	3.396E-02
519	5	304.40	1	-3.969E+02	-3.782E+03	1.410E+04	-6.584E+02	-2.145E+06	-2.352E+03	2.014E-10	-3.868E-08
519	5	304.40	2	4.043E+02	-3.751E+03	-1.410E+04	6.584E+02	2.144E+06	2.352E+03	2.183E-10	3.867E-08
520	1	0.00	1	1.574E+04	3.742E+03	2.239E+04	-5.722E+02	3.397E+06	3.754E+03	0.000E+00	0.000E+00
520	1	0.00	2	1.608E+04	3.792E+03	-2.239E+04	5.722E+02	-3.417E+06	-3.776E+03	0.000E+00	0.000E+00

520	2	76.10	1	1.574E+04	1.859E+03	2.239E+04	-5.722E+02	1.693E+06	2.169E+05	-1.054E-02	5.305E-02
520	2	76.10	2	1.608E+04	1.908E+03	-2.239E+04	5.722E+02	-1.713E+06	2.131E+05	-1.049E-02	-5.496E-02
520	3	152.20	1	1.574E+04	-2.473E+01	2.239E+04	-5.722E+02	-1.107E+04	2.867E+05	-1.470E-02	-1.406E-03
520	3	152.20	2	1.608E+04	2.473E+01	-2.239E+04	5.722E+02	-8.925E+03	2.867E+05	-1.470E-02	-1.134E-03
520	4	228.30	1	1.574E+04	-1.908E+03	2.239E+04	-5.722E+02	-1.715E+06	2.131E+05	-1.049E-02	-5.516E-02
520	4	228.30	2	1.608E+04	-1.859E+03	-2.239E+04	5.722E+02	1.695E+06	2.169E+05	-1.054E-02	5.326E-02
520	5	304.40	1	1.574E+04	-3.792E+03	2.239E+04	-5.722E+02	-3.419E+06	-3.773E+03	1.580E-10	1.054E-09
520	5	304.40	2	1.608E+04	-3.742E+03	-2.239E+04	5.722E+02	3.399E+06	3.751E+03	1.506E-10	-1.993E-09
521	1	0.00	1	1.608E+04	3.792E+03	-2.239E+04	1.321E+03	-3.397E+06	-3.754E+03	0.000E+00	0.000E+00
521	1	0.00	2	1.642E+04	3.742E+03	2.239E+04	-1.321E+03	3.417E+06	3.776E+03	0.000E+00	0.000E+00
521	2	76.10	1	1.608E+04	1.908E+03	-2.239E+04	1.321E+03	-1.693E+06	2.131E+05	-1.049E-02	-5.305E-02
521	2	76.10	2	1.642E+04	1.859E+03	2.239E+04	-1.321E+03	1.713E+06	2.169E+05	-1.055E-02	5.496E-02
521	3	152.20	1	1.608E+04	2.473E+01	-2.239E+04	1.321E+03	1.111E+04	2.867E+05	-1.470E-02	1.411E-03
521	3	152.20	2	1.642E+04	-2.473E+01	2.239E+04	-1.321E+03	8.962E+03	2.867E+05	-1.470E-02	1.138E-03
521	4	228.30	1	1.608E+04	-1.859E+03	-2.239E+04	1.321E+03	1.715E+06	2.169E+05	-1.055E-02	5.517E-02
521	4	228.30	2	1.642E+04	-1.908E+03	2.239E+04	-1.321E+03	-1.695E+06	2.131E+05	-1.049E-02	-5.325E-02
521	5	304.40	1	1.608E+04	-3.742E+03	-2.239E+04	1.321E+03	3.419E+06	3.773E+03	-1.761E-09	2.200E-08
521	5	304.40	2	1.642E+04	-3.792E+03	2.239E+04	-1.321E+03	-3.399E+06	-3.751E+03	-1.768E-09	-2.222E-08
522	1	0.00	1	-4.039E+02	3.782E+03	-1.410E+04	1.234E+03	-2.146E+06	-2.372E+03	0.000E+00	0.000E+00
522	1	0.00	2	3.973E+02	3.751E+03	1.410E+04	-1.234E+03	2.146E+06	2.372E+03	0.000E+00	0.000E+00
522	2	76.10	1	-4.039E+02	1.899E+03	-1.410E+04	1.234E+03	-1.074E+06	2.138E+05	-1.050E-02	-3.415E-02
522	2	76.10	2	3.973E+02	1.868E+03	1.410E+04	-1.234E+03	1.074E+06	2.162E+05	-1.054E-02	3.414E-02
522	3	152.20	1	-4.039E+02	1.552E+01	-1.410E+04	1.234E+03	-1.014E+03	2.867E+05	-1.470E-02	-1.287E-04
522	3	152.20	2	3.973E+02	-1.552E+01	1.410E+04	-1.234E+03	8.410E+02	2.867E+05	-1.470E-02	1.068E-04
522	4	228.30	1	-4.039E+02	-1.868E+03	-1.410E+04	1.234E+03	1.072E+06	2.162E+05	-1.053E-02	3.396E-02
522	4	228.30	2	3.973E+02	-1.899E+03	1.410E+04	-1.234E+03	-1.072E+06	2.138E+05	-1.050E-02	-3.398E-02
522	5	304.40	1	-4.039E+02	-3.751E+03	-1.410E+04	1.234E+03	2.144E+06	2.352E+03	3.962E-10	3.655E-08
522	5	304.40	2	3.973E+02	-3.782E+03	1.410E+04	-1.234E+03	-2.145E+06	-2.352E+03	4.081E-10	-3.655E-08
523	1	0.00	1	-3.969E+02	3.751E+03	1.410E+04	-7.063E+02	2.146E+06	2.372E+03	0.000E+00	0.000E+00
523	1	0.00	2	4.043E+02	3.782E+03	-1.410E+04	7.063E+02	-2.146E+06	-2.372E+03	0.000E+00	0.000E+00
523	2	76.10	1	-3.969E+02	1.868E+03	1.410E+04	-7.063E+02	1.074E+06	2.162E+05	-1.054E-02	3.414E-02
523	2	76.10	2	4.043E+02	1.899E+03	-1.410E+04	7.063E+02	-1.074E+06	2.138E+05	-1.050E-02	-3.415E-02
523	3	152.20	1	-3.969E+02	-1.552E+01	1.410E+04	-7.063E+02	8.419E+02	2.867E+05	-1.470E-02	1.069E-04
523	3	152.20	2	4.043E+02	1.552E+01	-1.410E+04	7.063E+02	-1.013E+03	2.867E+05	-1.470E-02	-1.286E-04
523	4	228.30	1	-3.969E+02	-1.899E+03	1.410E+04	-7.063E+02	-1.072E+06	2.138E+05	-1.050E-02	-3.398E-02
523	4	228.30	2	4.043E+02	-1.868E+03	-1.410E+04	7.063E+02	1.072E+06	2.162E+05	-1.053E-02	3.396E-02
523	5	304.40	1	-3.969E+02	-3.782E+03	1.410E+04	-7.063E+02	-2.145E+06	-2.352E+03	2.058E-10	-3.873E-08
523	5	304.40	2	4.043E+02	-3.751E+03	-1.410E+04	7.063E+02	2.144E+06	2.352E+03	2.139E-10	3.873E-08
524	1	0.00	1	1.574E+04	3.742E+03	2.239E+04	-6.200E+02	3.397E+06	3.754E+03	0.000E+00	0.000E+00
524	1	0.00	2	1.608E+04	3.792E+03	-2.239E+04	6.200E+02	-3.417E+06	-3.776E+03	0.000E+00	0.000E+00
524	2	76.10	1	1.574E+04	1.859E+03	2.239E+04	-6.200E+02	1.693E+06	2.169E+05	-1.054E-02	5.305E-02
524	2	76.10	2	1.608E+04	1.908E+03	-2.239E+04	6.200E+02	-1.713E+06	2.131E+05	-1.049E-02	-5.496E-02
524	3	152.20	1	1.574E+04	-2.473E+01	2.239E+04	-6.200E+02	-1.107E+04	2.867E+05	-1.470E-02	-1.406E-03
524	3	152.20	2	1.608E+04	2.473E+01	-2.239E+04	6.200E+02	-8.925E+03	2.867E+05	-1.470E-02	-1.134E-03
524	4	228.30	1	1.574E+04	-1.908E+03	2.239E+04	-6.200E+02	-1.715E+06	2.131E+05	-1.049E-02	-5.516E-02
524	4	228.30	2	1.608E+04	-1.859E+03	-2.239E+04	6.200E+02	1.695E+06	2.169E+05	-1.054E-02	5.326E-02
524	5	304.40	1	1.574E+04	-3.792E+03	2.239E+04	-6.200E+02	-3.419E+06	-3.773E+03	1.515E-10	1.111E-09
524	5	304.40	2	1.608E+04	-3.742E+03	-2.239E+04	6.200E+02	3.399E+06	3.751E+03	1.570E-10	-2.049E-09
525	1	0.00	1	1.608E+04	3.792E+03	-2.239E+04	1.369E+03	-3.397E+06	-3.754E+03	0.000E+00	0.000E+00
525	1	0.00	2	1.642E+04	3.742E+03	2.239E+04	-1.369E+03	3.417E+06	3.776E+03	0.000E+00	0.000E+00
525	2	76.10	1	1.608E+04	1.908E+03	-2.239E+04	1.369E+03	-1.693E+06	2.131E+05	-1.049E-02	-5.305E-02
525	2	76.10	2	1.642E+04	1.859E+03	2.239E+04	-1.369E+03	1.713E+06	2.169E+05	-1.055E-02	5.496E-02
525	3	152.20	1	1.608E+04	2.473E+01	-2.239E+04	1.369E+03	1.111E+04	2.867E+05	-1.470E-02	1.411E-03
525	3	152.20	2	1.642E+04	-2.473E+01	2.239E+04	-1.369E+03	8.962E+03	2.867E+05	-1.470E-02	1.138E-03
525	4	228.30	1	1.608E+04	-1.859E+03	-2.239E+04	1.369E+03	1.715E+06	2.169E+05	-1.055E-02	5.517E-02
525	4	228.30	2	1.642E+04	-1.908E+03	2.239E+04	-1.369E+03	-1.695E+06	2.131E+05	-1.049E-02	-5.325E-02
525	5	304.40	1	1.608E+04	-3.742E+03	-2.239E+04	1.369E+03	3.419E+06	3.773E+03	-1.768E-09	2.205E-08
525	5	304.40	2	1.642E+04	-3.792E+03	2.239E+04	-1.369E+03	-3.399E+06	-3.751E+03	-1.761E-09	-2.227E-08
526	1	0.00	1	-4.039E+02	3.782E+03	-1.410E+04	1.283E+03	-2.146E+06	-2.372E+03	0.000E+00	0.000E+00
526	1	0.00	2	3.973E+02	3.751E+03	1.410E+04	-1.283E+03	2.146E+06	2.372E+03	0.000E+00	0.000E+00
526	2	76.10	1	-4.039E+02	1.899E+03	-1.410E+04	1.283E+03	-1.074E+06	2.138E+05	-1.050E-02	-3.415E-02
526	2	76.10	2	3.973E+02	1.868E+03	1.410E+04	-1.283E+03	1.074E+06	2.162E+05	-1.054E-02	3.414E-02

526	3	152.20	1	-4.039E+02	1.552E+01	-1.410E+04	1.283E+03	-1.014E+03	2.867E+05	-1.470E-02	-1.287E-04
526	3	152.20	2	3.973E+02	-1.552E+01	1.410E+04	-1.283E+03	8.410E+02	2.867E+05	-1.470E-02	1.068E-04
526	4	228.30	1	-4.039E+02	-1.868E+03	-1.410E+04	1.283E+03	1.072E+06	2.162E+05	-1.053E-02	3.396E-02
526	4	228.30	2	3.973E+02	-1.899E+03	1.410E+04	-1.283E+03	-1.072E+06	2.138E+05	-1.050E-02	-3.398E-02
526	5	304.40	1	-4.039E+02	-3.751E+03	-1.410E+04	1.283E+03	2.144E+06	2.352E+03	4.035E-10	3.649E-08
526	5	304.40	2	3.973E+02	-3.782E+03	1.410E+04	-1.283E+03	-2.145E+06	-2.352E+03	4.008E-10	-3.649E-08
527	1	0.00	1	-3.969E+02	3.751E+03	1.410E+04	-4.929E+02	2.146E+06	2.372E+03	0.000E+00	0.000E+00
527	1	0.00	2	4.043E+02	3.782E+03	-1.410E+04	4.929E+02	-2.146E+06	-2.372E+03	0.000E+00	0.000E+00
527	2	76.10	1	-3.969E+02	1.868E+03	1.410E+04	-4.929E+02	1.074E+06	2.162E+05	-1.054E-02	3.414E-02
527	2	76.10	2	4.043E+02	1.899E+03	-1.410E+04	4.929E+02	-1.074E+06	2.138E+05	-1.050E-02	-3.415E-02
527	3	152.20	1	-3.969E+02	-1.552E+01	1.410E+04	-4.929E+02	8.419E+02	2.867E+05	-1.470E-02	1.069E-04
527	3	152.20	2	4.043E+02	1.552E+01	-1.410E+04	4.929E+02	-1.013E+03	2.867E+05	-1.470E-02	-1.286E-04
527	4	228.30	1	-3.969E+02	-1.899E+03	1.410E+04	-4.929E+02	-1.072E+06	2.138E+05	-1.050E-02	-3.398E-02
527	4	228.30	2	4.043E+02	-1.868E+03	-1.410E+04	4.929E+02	1.072E+06	2.162E+05	-1.053E-02	3.396E-02
527	5	304.40	1	-3.969E+02	-3.782E+03	1.410E+04	-4.929E+02	-2.145E+06	-2.352E+03	2.211E-10	-3.849E-08
527	5	304.40	2	4.043E+02	-3.751E+03	-1.410E+04	4.929E+02	2.144E+06	2.352E+03	1.985E-10	3.849E-08
528	1	0.00	1	1.574E+04	3.742E+03	2.239E+04	-4.066E+02	3.397E+06	3.754E+03	0.000E+00	0.000E+00
528	1	0.00	2	1.608E+04	3.792E+03	-2.239E+04	4.066E+02	-3.417E+06	-3.776E+03	0.000E+00	0.000E+00
528	2	76.10	1	1.574E+04	1.859E+03	2.239E+04	-4.066E+02	1.693E+06	2.169E+05	-1.054E-02	5.305E-02
528	2	76.10	2	1.608E+04	1.908E+03	-2.239E+04	4.066E+02	-1.713E+06	2.131E+05	-1.049E-02	-5.496E-02
528	3	152.20	1	1.574E+04	-2.473E+01	2.239E+04	-4.066E+02	-1.107E+04	2.867E+05	-1.470E-02	-1.406E-03
528	3	152.20	2	1.608E+04	2.473E+01	-2.239E+04	4.066E+02	-8.925E+03	2.867E+05	-1.470E-02	-1.134E-03
528	4	228.30	1	1.574E+04	-1.908E+03	2.239E+04	-4.066E+02	-1.715E+06	2.131E+05	-1.049E-02	-5.516E-02
528	4	228.30	2	1.608E+04	-1.859E+03	-2.239E+04	4.066E+02	1.695E+06	2.169E+05	-1.054E-02	5.326E-02
528	5	304.40	1	1.574E+04	-3.792E+03	2.239E+04	-4.066E+02	-3.419E+06	-3.773E+03	1.577E-10	8.677E-10
528	5	304.40	2	1.608E+04	-3.742E+03	-2.239E+04	4.066E+02	3.399E+06	3.751E+03	1.509E-10	-1.806E-09
529	1	0.00	1	1.608E+04	3.792E+03	-2.239E+04	1.153E+03	-3.397E+06	-3.754E+03	0.000E+00	0.000E+00
529	1	0.00	2	1.642E+04	3.742E+03	2.239E+04	-1.153E+03	3.417E+06	3.776E+03	0.000E+00	0.000E+00
529	2	76.10	1	1.608E+04	1.908E+03	-2.239E+04	1.153E+03	-1.693E+06	2.131E+05	-1.049E-02	-5.305E-02
529	2	76.10	2	1.642E+04	1.859E+03	2.239E+04	-1.153E+03	1.713E+06	2.169E+05	-1.055E-02	5.496E-02
529	3	152.20	1	1.608E+04	2.473E+01	-2.239E+04	1.153E+03	1.111E+04	2.867E+05	-1.470E-02	1.411E-03
529	3	152.20	2	1.642E+04	-2.473E+01	2.239E+04	-1.153E+03	8.962E+03	2.867E+05	-1.470E-02	1.138E-03
529	4	228.30	1	1.608E+04	-1.859E+03	-2.239E+04	1.153E+03	1.715E+06	2.169E+05	-1.055E-02	5.517E-02
529	4	228.30	2	1.642E+04	-1.908E+03	2.239E+04	-1.153E+03	-1.695E+06	2.131E+05	-1.049E-02	-5.325E-02
529	5	304.40	1	1.608E+04	-3.742E+03	-2.239E+04	1.153E+03	3.419E+06	3.773E+03	-1.761E-09	2.181E-08
529	5	304.40	2	1.642E+04	-3.792E+03	2.239E+04	-1.153E+03	-3.399E+06	-3.751E+03	-1.768E-09	-2.203E-08
530	1	0.00	1	-4.039E+02	3.782E+03	-1.410E+04	1.067E+03	-2.146E+06	-2.372E+03	0.000E+00	0.000E+00
530	1	0.00	2	3.973E+02	3.751E+03	1.410E+04	-1.067E+03	2.146E+06	2.372E+03	0.000E+00	0.000E+00
530	2	76.10	1	-4.039E+02	1.899E+03	-1.410E+04	1.067E+03	-1.074E+06	2.138E+05	-1.050E-02	-3.415E-02
530	2	76.10	2	3.973E+02	1.868E+03	1.410E+04	-1.067E+03	1.074E+06	2.162E+05	-1.054E-02	3.414E-02
530	3	152.20	1	-4.039E+02	1.552E+01	-1.410E+04	1.067E+03	-1.014E+03	2.867E+05	-1.470E-02	-1.287E-04
530	3	152.20	2	3.973E+02	-1.552E+01	1.410E+04	-1.067E+03	8.410E+02	2.867E+05	-1.470E-02	1.068E-04
530	4	228.30	1	-4.039E+02	-1.868E+03	-1.410E+04	1.067E+03	1.072E+06	2.162E+05	-1.053E-02	3.396E-02
530	4	228.30	2	3.973E+02	-1.899E+03	1.410E+04	-1.067E+03	-1.072E+06	2.138E+05	-1.050E-02	-3.398E-02
530	5	304.40	1	-4.039E+02	-3.751E+03	-1.410E+04	1.067E+03	2.144E+06	2.352E+03	3.987E-10	3.674E-08
530	5	304.40	2	3.973E+02	-3.782E+03	1.410E+04	-1.067E+03	-2.145E+06	-2.352E+03	4.055E-10	-3.674E-08
531	1	0.00	1	-3.971E+02	3.751E+03	1.410E+04	3.095E+02	2.146E+06	2.372E+03	0.000E+00	0.000E+00
531	1	0.00	2	4.041E+02	3.782E+03	-1.410E+04	-3.095E+02	-2.146E+06	-2.372E+03	0.000E+00	0.000E+00
531	2	76.10	1	-3.971E+02	1.868E+03	1.410E+04	3.095E+02	1.074E+06	2.162E+05	-1.054E-02	3.414E-02
531	2	76.10	2	4.041E+02	1.899E+03	-1.410E+04	-3.095E+02	-1.074E+06	2.138E+05	-1.050E-02	-3.415E-02
531	3	152.20	1	-3.971E+02	-1.552E+01	1.410E+04	3.095E+02	8.414E+02	2.867E+05	-1.470E-02	1.069E-04
531	3	152.20	2	4.041E+02	1.552E+01	-1.410E+04	-3.095E+02	-1.013E+03	2.867E+05	-1.470E-02	-1.287E-04
531	4	228.30	1	-3.971E+02	-1.899E+03	1.410E+04	3.095E+02	-1.072E+06	2.138E+05	-1.050E-02	-3.398E-02
531	4	228.30	2	4.041E+02	-1.868E+03	-1.410E+04	-3.095E+02	1.072E+06	2.162E+05	-1.053E-02	3.396E-02
531	5	304.40	1	-3.971E+02	-3.782E+03	1.410E+04	3.095E+02	-2.145E+06	-2.352E+03	3.293E-10	-3.887E-08
531	5	304.40	2	4.041E+02	-3.751E+03	-1.410E+04	-3.095E+02	2.144E+06	2.352E+03	2.858E-10	3.887E-08
532	1	0.00	1	-3.851E+02	3.742E+03	2.239E+04	3.958E+02	3.407E+06	3.765E+03	0.000E+00	0.000E+00
532	1	0.00	2	1.452E+02	3.792E+03	-2.239E+04	-3.958E+02	-3.407E+06	-3.765E+03	0.000E+00	0.000E+00
532	2	76.10	1	-3.851E+02	1.859E+03	2.239E+04	3.958E+02	1.703E+06	2.169E+05	-1.055E-02	5.401E-02
532	2	76.10	2	1.452E+02	1.908E+03	-2.239E+04	-3.958E+02	-1.703E+06	2.131E+05	-1.049E-02	-5.401E-02
532	3	152.20	1	-3.851E+02	-2.473E+01	2.239E+04	3.958E+02	-1.025E+03	2.867E+05	-1.470E-02	-1.302E-04
532	3	152.20	2	1.452E+02	2.473E+01	-2.239E+04	-3.958E+02	9.984E+02	2.867E+05	-1.470E-02	1.268E-04

532	4	228.30	1	-3.851E+02	-1.908E+03	2.239E+04	3.958E+02	-1.705E+06	2.131E+05	-1.049E-02	-5.421E-02
532	4	228.30	2	1.452E+02	-1.859E+03	-2.239E+04	-3.958E+02	1.705E+06	2.169E+05	-1.055E-02	5.420E-02
532	5	304.40	1	-3.851E+02	-3.792E+03	2.239E+04	3.958E+02	-3.409E+06	-3.762E+03	1.520E-09	1.861E-08
532	5	304.40	2	1.452E+02	-3.742E+03	-2.239E+04	-3.958E+02	3.409E+06	3.762E+03	1.542E-09	-1.861E-08
701	1	0.00	1	-1.221E+03	1.094E+04	-6.914E+03	1.269E+02	-1.052E+06	-7.969E+02	0.000E+00	0.000E+00
701	1	0.00	2	1.186E+03	1.093E+04	6.914E+03	-1.269E+02	1.052E+06	7.959E+02	0.000E+00	0.000E+00
701	2	76.10	1	-1.221E+03	5.472E+03	-6.914E+03	1.269E+02	-5.259E+05	6.236E+05	-3.175E-02	-5.855E-02
701	2	76.10	2	1.186E+03	5.462E+03	6.914E+03	-1.269E+02	5.257E+05	6.244E+05	-3.176E-02	5.849E-02
701	3	152.20	1	-1.221E+03	5.210E+00	-6.914E+03	1.269E+02	2.940E+02	8.320E+05	-4.432E-02	1.311E-04
701	3	152.20	2	1.186E+03	-5.210E+00	6.914E+03	-1.269E+02	-4.709E+02	8.321E+05	-4.432E-02	-2.100E-04
701	4	228.30	1	-1.221E+03	-5.462E+03	-6.914E+03	1.269E+02	5.265E+05	6.244E+05	-3.176E-02	5.875E-02
701	4	228.30	2	1.186E+03	-5.472E+03	6.914E+03	-1.269E+02	-5.266E+05	6.236E+05	-3.175E-02	-5.881E-02
701	5	304.40	1	-1.221E+03	-1.093E+04	-6.914E+03	1.269E+02	1.053E+06	7.888E+02	-5.159E-09	3.871E-08
701	5	304.40	2	1.186E+03	-1.094E+04	6.914E+03	-1.269E+02	-1.053E+06	-7.898E+02	-5.160E-09	-3.875E-08
702	1	0.00	1	-1.810E+03	1.427E+04	-7.233E+03	1.166E+02	-1.101E+06	-1.080E+03	0.000E+00	0.000E+00
702	1	0.00	2	1.821E+03	1.426E+04	7.233E+03	-1.166E+02	1.101E+06	1.080E+03	0.000E+00	0.000E+00
702	2	76.10	1	-1.810E+03	7.141E+03	-7.233E+03	1.166E+02	-5.505E+05	8.137E+05	-4.143E-02	-6.140E-02
702	2	76.10	2	1.821E+03	7.126E+03	7.233E+03	-1.166E+02	5.504E+05	8.148E+05	-4.145E-02	6.134E-02
702	3	152.20	1	-1.810E+03	7.097E+00	-7.233E+03	1.166E+02	-1.302E+01	1.086E+06	-5.783E-02	-5.808E-05
702	3	152.20	2	1.821E+03	-7.097E+00	7.233E+03	-1.166E+02	-4.493E+01	1.086E+06	-5.783E-02	-2.002E-05
702	4	228.30	1	-1.810E+03	-7.126E+03	-7.233E+03	1.166E+02	5.503E+05	8.148E+05	-4.145E-02	6.131E-02
702	4	228.30	2	1.821E+03	-7.141E+03	7.233E+03	-1.166E+02	-5.504E+05	8.137E+05	-4.143E-02	-6.137E-02
702	5	304.40	1	-1.810E+03	-1.426E+04	-7.233E+03	1.166E+02	1.101E+06	1.080E+03	5.377E-11	-1.017E-08
702	5	304.40	2	1.821E+03	-1.427E+04	7.233E+03	-1.166E+02	-1.101E+06	-1.080E+03	4.375E-11	1.017E-08
703	1	0.00	1	-1.706E+03	1.594E+04	-6.705E+03	1.082E+02	-1.021E+06	-1.001E+03	0.000E+00	0.000E+00
703	1	0.00	2	1.705E+03	1.593E+04	6.705E+03	-1.082E+02	1.020E+06	1.000E+03	0.000E+00	0.000E+00
703	2	76.10	1	-1.706E+03	7.973E+03	-6.705E+03	1.082E+02	-5.103E+05	9.089E+05	-4.627E-02	-5.691E-02
703	2	76.10	2	1.705E+03	7.960E+03	6.705E+03	-1.082E+02	5.101E+05	9.099E+05	-4.629E-02	5.684E-02
703	3	152.20	1	-1.706E+03	6.573E+00	-6.705E+03	1.082E+02	-1.009E+02	1.213E+06	-6.458E-02	-4.496E-05
703	3	152.20	2	1.705E+03	-6.573E+00	6.705E+03	-1.082E+02	-1.012E+02	1.213E+06	-6.458E-02	-4.515E-05
703	4	228.30	1	-1.706E+03	-7.960E+03	-6.705E+03	1.082E+02	5.101E+05	9.099E+05	-4.629E-02	5.684E-02
703	4	228.30	2	1.705E+03	-7.973E+03	6.705E+03	-1.082E+02	-5.103E+05	9.089E+05	-4.627E-02	-5.691E-02
703	5	304.40	1	-1.706E+03	-1.593E+04	-6.705E+03	1.082E+02	1.020E+06	1.000E+03	2.907E-09	4.810E-08
703	5	304.40	2	1.705E+03	-1.594E+04	6.705E+03	-1.082E+02	-1.021E+06	-1.001E+03	2.928E-09	-4.810E-08
704	1	0.00	1	-1.812E+03	1.427E+04	-5.688E+03	1.016E+02	-8.657E+05	-8.451E+02	0.000E+00	0.000E+00
704	1	0.00	2	1.810E+03	1.426E+04	5.688E+03	-1.016E+02	8.656E+05	8.448E+02	0.000E+00	0.000E+00
704	2	76.10	1	-1.812E+03	7.139E+03	-5.688E+03	1.016E+02	-4.329E+05	8.139E+05	-4.143E-02	-4.827E-02
704	2	76.10	2	1.810E+03	7.128E+03	5.688E+03	-1.016E+02	4.327E+05	8.147E+05	-4.145E-02	4.821E-02
704	3	152.20	1	-1.812E+03	5.553E+00	-5.688E+03	1.016E+02	-4.951E+01	1.086E+06	-5.783E-02	-2.206E-05
704	3	152.20	2	1.810E+03	-5.553E+00	5.688E+03	-1.016E+02	-1.299E+02	1.086E+06	-5.783E-02	-5.795E-05
704	4	228.30	1	-1.812E+03	-7.128E+03	-5.688E+03	1.016E+02	4.328E+05	8.147E+05	-4.145E-02	4.823E-02
704	4	228.30	2	1.810E+03	-7.139E+03	5.688E+03	-1.016E+02	-4.330E+05	8.139E+05	-4.143E-02	-4.829E-02
704	5	304.40	1	-1.812E+03	-1.426E+04	-5.688E+03	1.016E+02	8.656E+05	8.452E+02	1.348E-09	2.925E-08
704	5	304.40	2	1.810E+03	-1.427E+04	5.688E+03	-1.016E+02	-8.658E+05	-8.454E+02	1.345E-09	-2.925E-08
705	1	0.00	1	-1.214E+03	1.094E+04	-4.507E+03	9.696E+01	-6.864E+05	-4.201E+02	0.000E+00	0.000E+00
705	1	0.00	2	1.223E+03	1.093E+04	4.507E+03	-9.696E+01	6.862E+05	4.195E+02	0.000E+00	0.000E+00
705	2	76.10	1	-1.214E+03	5.470E+03	-4.507E+03	9.696E+01	-3.434E+05	6.238E+05	-3.176E-02	-3.838E-02
705	2	76.10	2	1.223E+03	5.464E+03	4.507E+03	-9.696E+01	3.432E+05	6.242E+05	-3.176E-02	3.833E-02
705	3	152.20	1	-1.214E+03	2.783E+00	-4.507E+03	9.696E+01	-4.400E+02	8.321E+05	-4.432E-02	-1.962E-04
705	3	152.20	2	1.223E+03	-2.783E+00	4.507E+03	-9.696E+01	2.920E+02	8.320E+05	-4.432E-02	1.302E-04
705	4	228.30	1	-1.214E+03	-5.464E+03	-4.507E+03	9.696E+01	3.425E+05	6.243E+05	-3.176E-02	3.808E-02
705	4	228.30	2	1.223E+03	-5.470E+03	4.507E+03	-9.696E+01	-3.427E+05	6.238E+05	-3.175E-02	-3.813E-02
705	5	304.40	1	-1.214E+03	-1.093E+04	-4.507E+03	9.696E+01	6.855E+05	4.271E+02	-4.668E-09	-1.034E-08
705	5	304.40	2	1.223E+03	-1.094E+04	4.507E+03	-9.696E+01	-6.856E+05	-4.277E+02	-4.665E-09	1.035E-08
706	1	0.00	1	-1.223E+03	1.093E+04	4.507E+03	-1.872E+02	6.862E+05	4.195E+02	0.000E+00	0.000E+00
706	1	0.00	2	1.214E+03	1.094E+04	-4.507E+03	1.872E+02	-6.864E+05	-4.201E+02	0.000E+00	0.000E+00
706	2	76.10	1	-1.223E+03	5.464E+03	4.507E+03	-1.872E+02	3.432E+05	6.242E+05	-3.176E-02	3.833E-02
706	2	76.10	2	1.214E+03	5.470E+03	-4.507E+03	1.872E+02	-3.434E+05	6.238E+05	-3.176E-02	-3.838E-02
706	3	152.20	1	-1.223E+03	-2.783E+00	4.507E+03	-1.872E+02	2.923E+02	8.320E+05	-4.432E-02	1.303E-04
706	3	152.20	2	1.214E+03	2.783E+00	-4.507E+03	1.872E+02	-4.397E+02	8.321E+05	-4.432E-02	-1.961E-04
706	4	228.30	1	-1.223E+03	-5.470E+03	4.507E+03	-1.872E+02	-3.427E+05	6.238E+05	-3.175E-02	-3.813E-02
706	4	228.30	2	1.214E+03	-5.464E+03	-4.507E+03	1.872E+02	3.425E+05	6.243E+05	-3.176E-02	3.808E-02

706	5	304.40	1	-1.223E+03	-1.094E+04	4.507E+03	-1.872E+02	-6.856E+05	-4.277E+02	-4.061E-09	-1.036E-09
706	5	304.40	2	1.214E+03	-1.093E+04	-4.507E+03	1.872E+02	6.855E+05	4.271E+02	-4.065E-09	1.032E-09
707	1	0.00	1	-1.813E+03	1.426E+04	5.688E+03	-1.888E+02	8.656E+05	8.448E+02	0.000E+00	0.000E+00
707	1	0.00	2	1.809E+03	1.427E+04	-5.688E+03	1.888E+02	-8.657E+05	-8.451E+02	0.000E+00	0.000E+00
707	2	76.10	1	-1.813E+03	7.128E+03	5.688E+03	-1.888E+02	4.327E+05	8.147E+05	-4.145E-02	4.821E-02
707	2	76.10	2	1.809E+03	7.139E+03	-5.688E+03	1.888E+02	-4.329E+05	8.139E+05	-4.143E-02	-4.827E-02
707	3	152.20	1	-1.813E+03	-5.553E+00	5.688E+03	-1.888E+02	-1.301E+02	1.086E+06	-5.783E-02	-5.800E-05
707	3	152.20	2	1.809E+03	5.553E+00	-5.688E+03	1.888E+02	-4.962E+01	1.086E+06	-5.783E-02	-2.211E-05
707	4	228.30	1	-1.813E+03	-7.139E+03	5.688E+03	-1.888E+02	-4.330E+05	8.139E+05	-4.143E-02	-4.829E-02
707	4	228.30	2	1.809E+03	-7.128E+03	-5.688E+03	1.888E+02	4.328E+05	8.147E+05	-4.145E-02	4.823E-02
707	5	304.40	1	-1.813E+03	-1.427E+04	5.688E+03	-1.888E+02	-8.658E+05	-8.454E+02	1.347E-09	-3.077E-08
707	5	304.40	2	1.809E+03	-1.426E+04	-5.688E+03	1.888E+02	8.656E+05	8.452E+02	1.343E-09	3.076E-08
708	1	0.00	1	-1.643E+03	1.593E+04	6.705E+03	-1.844E+02	1.020E+06	1.000E+03	0.000E+00	0.000E+00
708	1	0.00	2	1.767E+03	1.594E+04	-6.705E+03	1.844E+02	-1.021E+06	-1.001E+03	0.000E+00	0.000E+00
708	2	76.10	1	-1.643E+03	7.960E+03	6.705E+03	-1.844E+02	5.101E+05	9.099E+05	-4.629E-02	5.684E-02
708	2	76.10	2	1.767E+03	7.973E+03	-6.705E+03	1.844E+02	-5.104E+05	9.089E+05	-4.627E-02	-5.692E-02
708	3	152.20	1	-1.643E+03	-6.573E+00	6.705E+03	-1.844E+02	-1.223E+02	1.213E+06	-6.458E-02	-5.455E-05
708	3	152.20	2	1.767E+03	6.573E+00	-6.705E+03	1.844E+02	-1.217E+02	1.213E+06	-6.458E-02	-5.427E-05
708	4	228.30	1	-1.643E+03	-7.973E+03	6.705E+03	-1.844E+02	-5.104E+05	9.089E+05	-4.627E-02	-5.692E-02
708	4	228.30	2	1.767E+03	-7.960E+03	-6.705E+03	1.844E+02	5.101E+05	9.099E+05	-4.629E-02	5.684E-02
708	5	304.40	1	-1.643E+03	-1.594E+04	6.705E+03	-1.844E+02	-1.021E+06	-1.001E+03	4.419E-09	4.182E-08
708	5	304.40	2	1.767E+03	-1.593E+04	-6.705E+03	1.844E+02	1.020E+06	1.000E+03	4.434E-09	-4.180E-08
709	1	0.00	1	-2.364E+03	1.426E+04	7.233E+03	-1.739E+02	1.101E+06	1.081E+03	0.000E+00	0.000E+00
709	1	0.00	2	1.274E+03	1.427E+04	-7.233E+03	1.739E+02	-1.101E+06	-1.080E+03	0.000E+00	0.000E+00
709	2	76.10	1	-2.364E+03	7.126E+03	7.233E+03	-1.739E+02	5.506E+05	8.148E+05	-4.145E-02	6.143E-02
709	2	76.10	2	1.274E+03	7.141E+03	-7.233E+03	1.739E+02	-5.502E+05	8.137E+05	-4.143E-02	-6.130E-02
709	3	152.20	1	-2.364E+03	-7.097E+00	7.233E+03	-1.739E+02	2.427E+02	1.086E+06	-5.783E-02	1.082E-04
709	3	152.20	2	1.274E+03	7.097E+00	-7.233E+03	1.739E+02	-2.427E+02	1.086E+06	-5.783E-02	6.858E-05
709	4	228.30	1	-2.364E+03	-7.141E+03	7.233E+03	-1.739E+02	-5.502E+05	8.137E+05	-4.143E-02	-6.127E-02
709	4	228.30	2	1.274E+03	-7.126E+03	-7.233E+03	1.739E+02	5.506E+05	8.148E+05	-4.145E-02	6.140E-02
709	5	304.40	1	-2.364E+03	-1.427E+04	7.233E+03	-1.739E+02	-1.101E+06	-1.080E+03	2.171E-09	-8.045E-09
709	5	304.40	2	1.274E+03	-1.426E+04	-7.233E+03	1.739E+02	1.101E+06	1.080E+03	2.188E-09	8.071E-09
710	1	0.00	1	5.705E+02	1.093E+04	6.914E+03	-1.573E+02	1.050E+06	7.670E+02	0.000E+00	0.000E+00
710	1	0.00	2	2.955E+03	1.094E+04	-6.914E+03	1.573E+02	-1.054E+06	-8.255E+02	0.000E+00	0.000E+00
710	2	76.10	1	5.705E+02	5.462E+03	6.914E+03	-1.573E+02	5.237E+05	6.244E+05	-3.176E-02	5.784E-02
710	2	76.10	2	2.955E+03	5.472E+03	-6.914E+03	1.573E+02	-5.278E+05	6.236E+05	-3.175E-02	-5.919E-02
710	3	152.20	1	5.705E+02	-5.210E+00	6.914E+03	-1.573E+02	-2.413E+03	8.320E+05	-4.431E-02	-1.076E-03
710	3	152.20	2	2.955E+03	5.210E+00	-6.914E+03	1.573E+02	-1.624E+03	8.320E+05	-4.431E-02	-7.241E-04
710	4	228.30	1	5.705E+02	-5.472E+03	6.914E+03	-1.573E+02	-5.286E+05	6.236E+05	-3.175E-02	-5.946E-02
710	4	228.30	2	2.955E+03	-5.462E+03	-6.914E+03	1.573E+02	5.245E+05	6.244E+05	-3.176E-02	5.811E-02
710	5	304.40	1	5.705E+02	-1.094E+04	6.914E+03	-1.573E+02	-1.055E+06	-8.188E+02	6.337E-09	-3.503E-08
710	5	304.40	2	2.955E+03	-1.093E+04	-6.914E+03	1.573E+02	1.051E+06	7.603E+02	6.326E-09	3.513E-08
711	1	0.00	1	5.983E+02	1.094E+04	-6.914E+03	4.356E+02	-1.050E+06	-7.670E+02	0.000E+00	0.000E+00
711	1	0.00	2	2.983E+03	1.093E+04	6.914E+03	-4.356E+02	1.054E+06	8.255E+02	0.000E+00	0.000E+00
711	2	76.10	1	5.983E+02	5.472E+03	-6.914E+03	4.356E+02	-5.239E+05	6.237E+05	-3.175E-02	-5.788E-02
711	2	76.10	2	2.983E+03	5.462E+03	6.914E+03	-4.356E+02	5.277E+05	6.245E+05	-3.176E-02	5.916E-02
711	3	152.20	1	5.983E+02	5.210E+00	-6.914E+03	4.356E+02	2.306E+03	8.321E+05	-4.432E-02	1.028E-03
711	3	152.20	2	2.983E+03	-5.210E+00	6.914E+03	-4.356E+02	-1.517E+03	8.321E+05	-4.432E-02	6.763E-04
711	4	228.30	1	5.983E+02	-5.462E+03	-6.914E+03	4.356E+02	5.285E+05	6.245E+05	-3.176E-02	5.942E-02
711	4	228.30	2	2.983E+03	-5.472E+03	6.914E+03	-4.356E+02	-5.246E+05	6.237E+05	-3.175E-02	-5.814E-02
711	5	304.40	1	5.983E+02	-1.093E+04	-6.914E+03	4.356E+02	1.055E+06	8.188E+02	3.531E-10	-1.496E-08
711	5	304.40	2	2.983E+03	-1.094E+04	6.914E+03	-4.356E+02	-1.051E+06	-7.602E+02	3.539E-10	1.533E-08
712	1	0.00	1	-2.373E+03	1.427E+04	-7.233E+03	4.322E+02	-1.101E+06	-1.081E+03	0.000E+00	0.000E+00
712	1	0.00	2	1.265E+03	1.426E+04	7.233E+03	-4.322E+02	1.100E+06	1.080E+03	0.000E+00	0.000E+00
712	2	76.10	1	-2.373E+03	7.141E+03	-7.233E+03	4.322E+02	-5.508E+05	8.137E+05	-4.143E-02	-6.150E-02
712	2	76.10	2	1.265E+03	7.126E+03	7.233E+03	-4.322E+02	5.501E+05	8.148E+05	-4.145E-02	6.124E-02
712	3	152.20	1	-2.373E+03	7.097E+00	-7.233E+03	4.322E+02	-4.282E+02	1.086E+06	-5.783E-02	-1.909E-04
712	3	152.20	2	1.265E+03	-7.097E+00	7.233E+03	-4.322E+02	-3.393E+02	1.086E+06	-5.783E-02	-1.513E-04
712	4	228.30	1	-2.373E+03	-7.126E+03	-7.233E+03	4.322E+02	5.500E+05	8.148E+05	-4.145E-02	6.121E-02
712	4	228.30	2	1.265E+03	-7.141E+03	7.233E+03	-4.322E+02	-5.507E+05	8.137E+05	-4.143E-02	-6.147E-02
712	5	304.40	1	-2.373E+03	-1.426E+04	-7.233E+03	4.322E+02	1.100E+06	1.079E+03	2.591E-09	1.610E-08
712	5	304.40	2	1.265E+03	-1.427E+04	7.233E+03	-4.322E+02	-1.101E+06	-1.080E+03	2.586E-09	-1.609E-08

713	1	0.00	1	-1.642E+03	1.594E+04	-6.705E+03	4.260E+02	-1.021E+06	-1.001E+03	0.000E+00	0.000E+00
713	1	0.00	2	1.768E+03	1.593E+04	6.705E+03	-4.260E+02	1.020E+06	1.000E+03	0.000E+00	0.000E+00
713	2	76.10	1	-1.642E+03	7.973E+03	-6.705E+03	4.260E+02	-5.103E+05	9.089E+05	-4.627E-02	-5.690E-02
713	2	76.10	2	1.768E+03	7.960E+03	6.705E+03	-4.260E+02	5.102E+05	9.099E+05	-4.629E-02	5.685E-02
713	3	152.20	1	-1.642E+03	6.573E+00	-6.705E+03	4.260E+02	-7.900E+01	1.213E+06	-6.458E-02	-3.522E-05
713	3	152.20	2	1.768E+03	-6.573E+00	6.705E+03	-4.260E+02	-7.962E+01	1.213E+06	-6.458E-02	-3.550E-05
713	4	228.30	1	-1.642E+03	-7.960E+03	-6.705E+03	4.260E+02	5.102E+05	9.099E+05	-4.629E-02	5.685E-02
713	4	228.30	2	1.768E+03	-7.973E+03	6.705E+03	-4.260E+02	-5.103E+05	9.089E+05	-4.627E-02	-5.690E-02
713	5	304.40	1	-1.642E+03	-1.593E+04	-6.705E+03	4.260E+02	1.020E+06	1.000E+03	6.326E-11	-4.344E-08
713	5	304.40	2	1.768E+03	1.594E+04	6.705E+03	-4.260E+02	-1.021E+06	-1.001E+03	4.745E-11	4.345E-08
714	1	0.00	1	-1.815E+03	1.427E+04	-5.688E+03	4.172E+02	-8.657E+05	-8.451E+02	0.000E+00	0.000E+00
714	1	0.00	2	1.807E+03	1.426E+04	5.688E+03	-4.172E+02	8.656E+05	8.448E+02	0.000E+00	0.000E+00
714	2	76.10	1	-1.815E+03	7.139E+03	-5.688E+03	4.172E+02	-4.329E+05	8.139E+05	-4.143E-02	-4.827E-02
714	2	76.10	2	1.807E+03	7.128E+03	5.688E+03	-4.172E+02	4.327E+05	8.147E+05	-4.145E-02	4.821E-02
714	3	152.20	1	-1.815E+03	5.553E+00	-5.688E+03	4.172E+02	-4.939E+01	1.086E+06	-5.783E-02	-2.201E-05
714	3	152.20	2	1.807E+03	-5.553E+00	5.688E+03	-4.172E+02	-1.298E+02	1.086E+06	-5.783E-02	-5.790E-05
714	4	228.30	1	-1.815E+03	-7.128E+03	-5.688E+03	4.172E+02	4.328E+05	8.147E+05	-4.145E-02	4.823E-02
714	4	228.30	2	1.807E+03	-7.139E+03	5.688E+03	-4.172E+02	-4.330E+05	8.139E+05	-4.143E-02	-4.829E-02
714	5	304.40	1	-1.815E+03	-1.426E+04	-5.688E+03	4.172E+02	8.656E+05	8.452E+02	1.350E-09	3.006E-08
714	5	304.40	2	1.807E+03	1.427E+04	5.688E+03	-4.172E+02	-8.658E+05	-8.454E+02	1.344E-09	-3.006E-08
715	1	0.00	1	-1.214E+03	1.094E+04	-4.507E+03	4.056E+02	-6.864E+05	-4.201E+02	0.000E+00	0.000E+00
715	1	0.00	2	1.223E+03	1.093E+04	4.507E+03	-4.056E+02	6.862E+05	4.195E+02	0.000E+00	0.000E+00
715	2	76.10	1	-1.214E+03	5.470E+03	-4.507E+03	4.056E+02	-3.434E+05	6.238E+05	-3.176E-02	-3.838E-02
715	2	76.10	2	1.223E+03	5.464E+03	4.507E+03	-4.056E+02	3.432E+05	6.242E+05	-3.176E-02	3.833E-02
715	3	152.20	1	-1.214E+03	2.783E+00	-4.507E+03	4.056E+02	-4.402E+02	8.321E+05	-4.432E-02	-1.963E-04
715	3	152.20	2	1.223E+03	-2.783E+00	4.507E+03	-4.056E+02	2.918E+02	8.320E+05	-4.432E-02	1.301E-04
715	4	228.30	1	-1.214E+03	-5.464E+03	-4.507E+03	4.056E+02	3.425E+05	6.243E+05	-3.176E-02	3.808E-02
715	4	228.30	2	1.223E+03	-5.470E+03	4.507E+03	-4.056E+02	-3.427E+05	6.238E+05	-3.175E-02	-3.813E-02
715	5	304.40	1	-1.214E+03	-1.093E+04	-4.507E+03	4.056E+02	6.855E+05	4.271E+02	-5.380E-09	-1.369E-08
715	5	304.40	2	1.223E+03	1.094E+04	4.507E+03	-4.056E+02	-6.856E+05	-4.277E+02	-5.380E-09	1.368E-08
716	1	0.00	1	-1.223E+03	1.093E+04	4.507E+03	-2.208E+02	6.862E+05	4.195E+02	0.000E+00	0.000E+00
716	1	0.00	2	1.214E+03	1.094E+04	-4.507E+03	2.208E+02	-6.864E+05	-4.201E+02	0.000E+00	0.000E+00
716	2	76.10	1	-1.223E+03	5.464E+03	4.507E+03	-2.208E+02	3.432E+05	6.242E+05	-3.176E-02	3.833E-02
716	2	76.10	2	1.214E+03	5.470E+03	-4.507E+03	2.208E+02	-3.434E+05	6.238E+05	-3.176E-02	-3.838E-02
716	3	152.20	1	-1.223E+03	-2.783E+00	4.507E+03	-2.208E+02	2.923E+02	8.320E+05	-4.432E-02	1.303E-04
716	3	152.20	2	1.214E+03	2.783E+00	-4.507E+03	2.208E+02	-4.397E+02	8.321E+05	-4.432E-02	-1.961E-04
716	4	228.30	1	-1.223E+03	-5.470E+03	4.507E+03	-2.208E+02	-3.427E+05	6.238E+05	-3.175E-02	-3.813E-02
716	4	228.30	2	1.214E+03	-5.464E+03	-4.507E+03	2.208E+02	3.425E+05	6.243E+05	-3.176E-02	3.808E-02
716	5	304.40	1	-1.223E+03	-1.094E+04	4.507E+03	-2.208E+02	-6.856E+05	-4.277E+02	-4.061E-09	-1.118E-09
716	5	304.40	2	1.214E+03	1.093E+04	-4.507E+03	2.208E+02	6.855E+05	4.271E+02	-4.065E-09	1.114E-09
717	1	0.00	1	-1.813E+03	1.426E+04	5.688E+03	-2.232E+02	8.656E+05	8.448E+02	0.000E+00	0.000E+00
717	1	0.00	2	1.809E+03	1.427E+04	-5.688E+03	2.232E+02	-8.657E+05	-8.451E+02	0.000E+00	0.000E+00
717	2	76.10	1	-1.813E+03	7.128E+03	5.688E+03	-2.232E+02	4.327E+05	8.147E+05	-4.145E-02	4.821E-02
717	2	76.10	2	1.809E+03	7.139E+03	-5.688E+03	2.232E+02	-4.329E+05	8.139E+05	-4.143E-02	-4.827E-02
717	3	152.20	1	-1.813E+03	-5.553E+00	5.688E+03	-2.232E+02	-1.301E+02	1.086E+06	-5.783E-02	-5.800E-05
717	3	152.20	2	1.809E+03	5.553E+00	-5.688E+03	2.232E+02	-4.962E+01	1.086E+06	-5.783E-02	-2.211E-05
717	4	228.30	1	-1.813E+03	-7.139E+03	5.688E+03	-2.232E+02	-4.330E+05	8.139E+05	-4.143E-02	-4.829E-02
717	4	228.30	2	1.809E+03	-7.128E+03	-5.688E+03	2.232E+02	4.328E+05	8.147E+05	-4.145E-02	4.823E-02
717	5	304.40	1	-1.813E+03	-1.427E+04	5.688E+03	-2.232E+02	-8.658E+05	-8.454E+02	1.347E-09	-3.081E-08
717	5	304.40	2	1.809E+03	1.426E+04	-5.688E+03	2.232E+02	8.656E+05	8.452E+02	1.343E-09	3.080E-08
718	1	0.00	1	-1.643E+03	1.593E+04	6.705E+03	-2.190E+02	1.020E+06	1.000E+03	0.000E+00	0.000E+00
718	1	0.00	2	1.767E+03	1.594E+04	-6.705E+03	2.190E+02	-1.021E+06	-1.001E+03	0.000E+00	0.000E+00
718	2	76.10	1	-1.643E+03	7.960E+03	6.705E+03	-2.190E+02	5.101E+05	9.099E+05	-4.629E-02	5.684E-02
718	2	76.10	2	1.767E+03	7.973E+03	-6.705E+03	2.190E+02	-5.104E+05	9.089E+05	-4.627E-02	-5.692E-02
718	3	152.20	1	-1.643E+03	-6.573E+00	6.705E+03	-2.190E+02	-1.223E+02	1.213E+06	-6.458E-02	-5.455E-05
718	3	152.20	2	1.767E+03	6.573E+00	-6.705E+03	2.190E+02	-1.217E+02	1.213E+06	-6.458E-02	-5.427E-05
718	4	228.30	1	-1.643E+03	-7.973E+03	6.705E+03	-2.190E+02	-5.104E+05	9.089E+05	-4.627E-02	-5.692E-02
718	4	228.30	2	1.767E+03	-7.960E+03	-6.705E+03	2.190E+02	5.101E+05	9.099E+05	-4.629E-02	5.684E-02
718	5	304.40	1	-1.643E+03	-1.594E+04	6.705E+03	-2.190E+02	-1.021E+06	-1.001E+03	4.419E-09	4.182E-08
718	5	304.40	2	1.767E+03	1.593E+04	-6.705E+03	2.190E+02	1.020E+06	1.000E+03	4.434E-09	-4.180E-08
719	1	0.00	1	-2.364E+03	1.426E+04	7.233E+03	-2.082E+02	1.101E+06	1.081E+03	0.000E+00	0.000E+00
719	1	0.00	2	1.274E+03	1.427E+04	-7.233E+03	2.082E+02	-1.101E+06	-1.080E+03	0.000E+00	0.000E+00

719	2	76.10	1	-2.364E+03	7.126E+03	7.233E+03	-2.082E+02	5.506E+05	8.148E+05	-4.145E-02	6.143E-02
719	2	76.10	2	1.274E+03	7.141E+03	-7.233E+03	2.082E+02	-5.502E+05	8.137E+05	-4.143E-02	-6.130E-02
719	3	152.20	1	-2.364E+03	-7.097E+00	7.233E+03	-2.082E+02	2.427E+02	1.086E+06	-5.783E-02	1.082E-04
719	3	152.20	2	1.274E+03	7.097E+00	-7.233E+03	2.082E+02	1.538E+02	1.086E+06	-5.783E-02	6.858E-05
719	4	228.30	1	-2.364E+03	-7.141E+03	7.233E+03	-2.082E+02	-5.502E+05	8.137E+05	-4.143E-02	-6.127E-02
719	4	228.30	2	1.274E+03	-7.126E+03	-7.233E+03	2.082E+02	5.506E+05	8.148E+05	-4.145E-02	6.140E-02
719	5	304.40	1	-2.364E+03	-1.427E+04	7.233E+03	-2.082E+02	-1.101E+06	-1.080E+03	2.171E-09	-8.005E-09
719	5	304.40	2	1.274E+03	-1.426E+04	-7.233E+03	2.082E+02	1.101E+06	1.080E+03	2.188E-09	8.032E-09
720	1	0.00	1	5.705E+02	1.093E+04	6.914E+03	-1.908E+02	1.050E+06	7.670E+02	0.000E+00	0.000E+00
720	1	0.00	2	2.955E+03	1.094E+04	-6.914E+03	1.908E+02	-1.054E+06	-8.255E+02	0.000E+00	0.000E+00
720	2	76.10	1	5.705E+02	5.462E+03	6.914E+03	-1.908E+02	5.237E+05	6.244E+05	-3.176E-02	5.784E-02
720	2	76.10	2	2.955E+03	5.472E+03	-6.914E+03	1.908E+02	-5.278E+05	6.236E+05	-3.175E-02	-5.919E-02
720	3	152.20	1	5.705E+02	-5.210E+00	6.914E+03	-1.908E+02	-2.413E+03	8.320E+05	-4.431E-02	-1.076E-03
720	3	152.20	2	2.955E+03	5.210E+00	-6.914E+03	1.908E+02	-1.624E+03	8.320E+05	-4.431E-02	-7.241E-04
720	4	228.30	1	5.705E+02	-5.472E+03	6.914E+03	-1.908E+02	-5.286E+05	6.236E+05	-3.175E-02	-5.946E-02
720	4	228.30	2	2.955E+03	-5.462E+03	-6.914E+03	1.908E+02	5.245E+05	6.244E+05	-3.176E-02	5.811E-02
720	5	304.40	1	5.705E+02	-1.094E+04	6.914E+03	-1.908E+02	-1.055E+06	-8.188E+02	6.336E-09	-3.495E-08
720	5	304.40	2	2.955E+03	-1.093E+04	-6.914E+03	1.908E+02	1.051E+06	7.603E+02	6.328E-09	3.504E-08
721	1	0.00	1	5.983E+02	1.094E+04	-6.914E+03	4.696E+02	-1.050E+06	-7.670E+02	0.000E+00	0.000E+00
721	1	0.00	2	2.983E+03	1.093E+04	6.914E+03	-4.696E+02	1.054E+06	8.255E+02	0.000E+00	0.000E+00
721	2	76.10	1	5.983E+02	5.472E+03	-6.914E+03	4.696E+02	-5.239E+05	6.237E+05	-3.175E-02	-5.788E-02
721	2	76.10	2	2.983E+03	5.462E+03	6.914E+03	-4.696E+02	5.277E+05	6.245E+05	-3.176E-02	5.916E-02
721	3	152.20	1	5.983E+02	5.210E+00	-6.914E+03	4.696E+02	2.306E+03	8.321E+05	-4.432E-02	1.028E-03
721	3	152.20	2	2.983E+03	-5.210E+00	6.914E+03	-4.696E+02	1.517E+03	8.321E+05	-4.432E-02	6.763E-04
721	4	228.30	1	5.983E+02	-5.462E+03	-6.914E+03	4.696E+02	5.285E+05	6.245E+05	-3.176E-02	5.942E-02
721	4	228.30	2	2.983E+03	-5.472E+03	6.914E+03	-4.696E+02	-5.246E+05	6.237E+05	-3.175E-02	-5.814E-02
721	5	304.40	1	5.983E+02	-1.093E+04	-6.914E+03	4.696E+02	1.055E+06	8.188E+02	3.529E-10	-1.488E-08
721	5	304.40	2	2.983E+03	-1.094E+04	6.914E+03	-4.696E+02	-1.051E+06	-7.602E+02	3.540E-10	1.524E-08
722	1	0.00	1	-2.373E+03	1.427E+04	-7.233E+03	4.669E+02	-1.101E+06	-1.081E+03	0.000E+00	0.000E+00
722	1	0.00	2	1.265E+03	1.426E+04	7.233E+03	-4.669E+02	1.100E+06	1.080E+03	0.000E+00	0.000E+00
722	2	76.10	1	-2.373E+03	7.141E+03	-7.233E+03	4.669E+02	-5.508E+05	8.137E+05	-4.143E-02	-6.150E-02
722	2	76.10	2	1.265E+03	7.126E+03	7.233E+03	-4.669E+02	5.501E+05	8.148E+05	-4.145E-02	6.124E-02
722	3	152.20	1	-2.373E+03	7.097E+00	-7.233E+03	4.669E+02	-4.282E+02	1.086E+06	-5.783E-02	-1.909E-04
722	3	152.20	2	1.265E+03	-7.097E+00	7.233E+03	-4.669E+02	-3.393E+02	1.086E+06	-5.783E-02	-1.513E-04
722	4	228.30	1	-2.373E+03	-7.126E+03	-7.233E+03	4.669E+02	5.500E+05	8.148E+05	-4.145E-02	6.121E-02
722	4	228.30	2	1.265E+03	-7.141E+03	7.233E+03	-4.669E+02	-5.507E+05	8.137E+05	-4.143E-02	-6.147E-02
722	5	304.40	1	-2.373E+03	-1.426E+04	-7.233E+03	4.669E+02	1.100E+06	1.079E+03	2.591E-09	1.614E-08
722	5	304.40	2	1.265E+03	-1.427E+04	7.233E+03	-4.669E+02	-1.101E+06	-1.080E+03	2.586E-09	-1.613E-08
723	1	0.00	1	-1.642E+03	1.594E+04	-6.705E+03	4.610E+02	-1.021E+06	-1.001E+03	0.000E+00	0.000E+00
723	1	0.00	2	1.768E+03	1.593E+04	6.705E+03	-4.610E+02	1.020E+06	1.000E+03	0.000E+00	0.000E+00
723	2	76.10	1	-1.642E+03	7.973E+03	-6.705E+03	4.610E+02	-5.103E+05	9.089E+05	-4.627E-02	-5.690E-02
723	2	76.10	2	1.768E+03	7.960E+03	6.705E+03	-4.610E+02	5.102E+05	9.099E+05	-4.629E-02	5.685E-02
723	3	152.20	1	-1.642E+03	6.573E+00	-6.705E+03	4.610E+02	-7.900E+01	1.213E+06	-6.458E-02	-3.522E-05
723	3	152.20	2	1.768E+03	-6.573E+00	6.705E+03	-4.610E+02	-7.962E+01	1.213E+06	-6.458E-02	-3.550E-05
723	4	228.30	1	-1.642E+03	-7.960E+03	-6.705E+03	4.610E+02	5.102E+05	9.099E+05	-4.629E-02	5.685E-02
723	4	228.30	2	1.768E+03	-7.973E+03	6.705E+03	-4.610E+02	-5.103E+05	9.089E+05	-4.627E-02	-5.690E-02
723	5	304.40	1	-1.642E+03	-1.593E+04	-6.705E+03	4.610E+02	1.020E+06	1.000E+03	6.326E-11	-4.344E-08
723	5	304.40	2	1.768E+03	-1.594E+04	6.705E+03	-4.610E+02	-1.021E+06	-1.001E+03	4.746E-11	4.345E-08
724	1	0.00	1	-1.815E+03	1.427E+04	-5.688E+03	4.519E+02	-8.657E+05	-8.451E+02	0.000E+00	0.000E+00
724	1	0.00	2	1.807E+03	1.426E+04	5.688E+03	-4.519E+02	8.656E+05	8.448E+02	0.000E+00	0.000E+00
724	2	76.10	1	-1.815E+03	7.139E+03	-5.688E+03	4.519E+02	-4.329E+05	8.139E+05	-4.143E-02	-4.827E-02
724	2	76.10	2	1.807E+03	7.128E+03	5.688E+03	-4.519E+02	4.327E+05	8.147E+05	-4.145E-02	4.821E-02
724	3	152.20	1	-1.815E+03	5.553E+00	-5.688E+03	4.519E+02	-4.939E+01	1.086E+06	-5.783E-02	-2.201E-05
724	3	152.20	2	1.807E+03	-5.553E+00	5.688E+03	-4.519E+02	-1.298E+02	1.086E+06	-5.783E-02	-5.790E-05
724	4	228.30	1	-1.815E+03	-7.128E+03	-5.688E+03	4.519E+02	4.328E+05	8.147E+05	-4.145E-02	4.823E-02
724	4	228.30	2	1.807E+03	-7.139E+03	5.688E+03	-4.519E+02	-4.330E+05	8.139E+05	-4.143E-02	-4.829E-02
724	5	304.40	1	-1.815E+03	-1.426E+04	-5.688E+03	4.519E+02	8.656E+05	8.452E+02	1.350E-09	3.002E-08
724	5	304.40	2	1.807E+03	-1.427E+04	5.688E+03	-4.519E+02	-8.658E+05	-8.454E+02	1.344E-09	-3.002E-08
725	1	0.00	1	-1.214E+03	1.094E+04	-4.507E+03	4.396E+02	-6.864E+05	-4.201E+02	0.000E+00	0.000E+00
725	1	0.00	2	1.223E+03	1.093E+04	4.507E+03	-4.396E+02	6.862E+05	4.195E+02	0.000E+00	0.000E+00
725	2	76.10	1	-1.214E+03	5.470E+03	-4.507E+03	4.396E+02	-3.434E+05	6.238E+05	-3.176E-02	-3.838E-02
725	2	76.10	2	1.223E+03	5.464E+03	4.507E+03	-4.396E+02	3.432E+05	6.242E+05	-3.176E-02	3.833E-02

725	3	152.20	1	-1.214E+03	2.783E+00	-4.507E+03	4.396E+02	-4.402E+02	8.321E+05	-4.432E-02	-1.963E-04
725	3	152.20	2	1.223E+03	-2.783E+00	4.507E+03	-4.396E+02	2.918E+02	8.320E+05	-4.432E-02	1.301E-04
725	4	228.30	1	-1.214E+03	-5.464E+03	-4.507E+03	4.396E+02	3.425E+05	6.243E+05	-3.176E-02	3.808E-02
725	4	228.30	2	1.223E+03	-5.470E+03	4.507E+03	-4.396E+02	-3.427E+05	6.238E+05	-3.175E-02	-3.813E-02
725	5	304.40	1	-1.214E+03	-1.093E+04	-4.507E+03	4.396E+02	6.855E+05	4.271E+02	-5.380E-09	-1.378E-08
725	5	304.40	2	1.223E+03	-1.094E+04	4.507E+03	-4.396E+02	-6.856E+05	-4.277E+02	-5.380E-09	1.376E-08
726	1	0.00	1	-1.223E+03	1.093E+04	4.507E+03	-1.711E+02	6.862E+05	4.195E+02	0.000E+00	0.000E+00
726	1	0.00	2	1.214E+03	1.094E+04	-4.507E+03	1.711E+02	-6.864E+05	-4.201E+02	0.000E+00	0.000E+00
726	2	76.10	1	-1.223E+03	5.464E+03	4.507E+03	-1.711E+02	3.432E+05	6.242E+05	-3.176E-02	3.833E-02
726	2	76.10	2	1.214E+03	5.470E+03	-4.507E+03	1.711E+02	-3.434E+05	6.238E+05	-3.176E-02	-3.838E-02
726	3	152.20	1	-1.223E+03	-2.783E+00	4.507E+03	-1.711E+02	2.923E+02	8.320E+05	-4.432E-02	1.303E-04
726	3	152.20	2	1.214E+03	2.783E+00	-4.507E+03	1.711E+02	-4.397E+02	8.321E+05	-4.432E-02	-1.961E-04
726	4	228.30	1	-1.223E+03	-5.470E+03	4.507E+03	-1.711E+02	-3.427E+05	6.238E+05	-3.175E-02	-3.813E-02
726	4	228.30	2	1.214E+03	-5.464E+03	-4.507E+03	1.711E+02	3.425E+05	6.243E+05	-3.176E-02	3.808E-02
726	5	304.40	1	-1.223E+03	-1.094E+04	4.507E+03	-1.711E+02	-6.856E+05	-4.277E+02	-4.062E-09	-9.944E-10
726	5	304.40	2	1.214E+03	-1.093E+04	-4.507E+03	1.711E+02	6.855E+05	4.271E+02	-4.065E-09	9.902E-10
727	1	0.00	1	-1.813E+03	1.426E+04	5.688E+03	-1.723E+02	8.656E+05	8.448E+02	0.000E+00	0.000E+00
727	1	0.00	2	1.809E+03	1.427E+04	-5.688E+03	1.723E+02	-8.657E+05	-8.451E+02	0.000E+00	0.000E+00
727	2	76.10	1	-1.813E+03	7.128E+03	5.688E+03	-1.723E+02	4.327E+05	8.147E+05	-4.145E-02	4.821E-02
727	2	76.10	2	1.809E+03	7.139E+03	-5.688E+03	1.723E+02	-4.329E+05	8.139E+05	-4.143E-02	-4.827E-02
727	3	152.20	1	-1.813E+03	-5.553E+00	5.688E+03	-1.723E+02	-1.301E+02	1.086E+06	-5.783E-02	-5.800E-05
727	3	152.20	2	1.809E+03	5.553E+00	-5.688E+03	1.723E+02	-4.962E+01	1.086E+06	-5.783E-02	-2.211E-05
727	4	228.30	1	-1.813E+03	-7.139E+03	5.688E+03	-1.723E+02	-4.330E+05	8.139E+05	-4.143E-02	-4.829E-02
727	4	228.30	2	1.809E+03	-7.128E+03	-5.688E+03	1.723E+02	4.328E+05	8.147E+05	-4.145E-02	4.823E-02
727	5	304.40	1	-1.813E+03	-1.427E+04	5.688E+03	-1.723E+02	-8.658E+05	-8.454E+02	1.344E-09	-3.075E-08
727	5	304.40	2	1.809E+03	-1.426E+04	-5.688E+03	1.723E+02	8.656E+05	8.452E+02	1.345E-09	3.074E-08
728	1	0.00	1	-1.643E+03	1.593E+04	6.705E+03	-1.678E+02	1.020E+06	1.000E+03	0.000E+00	0.000E+00
728	1	0.00	2	1.767E+03	1.594E+04	-6.705E+03	1.678E+02	-1.021E+06	-1.001E+03	0.000E+00	0.000E+00
728	2	76.10	1	-1.643E+03	7.960E+03	6.705E+03	-1.678E+02	5.101E+05	9.099E+05	-4.629E-02	5.684E-02
728	2	76.10	2	1.767E+03	7.973E+03	-6.705E+03	1.678E+02	-5.104E+05	9.089E+05	-4.627E-02	-5.692E-02
728	3	152.20	1	-1.643E+03	-6.573E+00	6.705E+03	-1.678E+02	-1.223E+02	1.213E+06	-6.458E-02	-5.455E-05
728	3	152.20	2	1.767E+03	6.573E+00	-6.705E+03	1.678E+02	-1.217E+02	1.213E+06	-6.458E-02	-5.427E-05
728	4	228.30	1	-1.643E+03	-7.973E+03	6.705E+03	-1.678E+02	-5.104E+05	9.089E+05	-4.627E-02	-5.692E-02
728	4	228.30	2	1.767E+03	-7.960E+03	-6.705E+03	1.678E+02	5.101E+05	9.099E+05	-4.629E-02	5.684E-02
728	5	304.40	1	-1.643E+03	-1.594E+04	6.705E+03	-1.678E+02	-1.021E+06	-1.001E+03	4.419E-09	4.182E-08
728	5	304.40	2	1.767E+03	-1.593E+04	-6.705E+03	1.678E+02	1.020E+06	1.000E+03	4.434E-09	-4.180E-08
729	1	0.00	1	-2.364E+03	1.426E+04	7.233E+03	-1.573E+02	1.101E+06	1.081E+03	0.000E+00	0.000E+00
729	1	0.00	2	1.274E+03	1.427E+04	-7.233E+03	1.573E+02	-1.101E+06	-1.080E+03	0.000E+00	0.000E+00
729	2	76.10	1	-2.364E+03	7.126E+03	7.233E+03	-1.573E+02	5.506E+05	8.148E+05	-4.145E-02	6.143E-02
729	2	76.10	2	1.274E+03	7.141E+03	-7.233E+03	1.573E+02	-5.502E+05	8.137E+05	-4.143E-02	-6.130E-02
729	3	152.20	1	-2.364E+03	-7.097E+00	7.233E+03	-1.573E+02	2.427E+02	1.086E+06	-5.783E-02	1.082E-04
729	3	152.20	2	1.274E+03	7.097E+00	-7.233E+03	1.573E+02	1.538E+02	1.086E+06	-5.783E-02	6.858E-05
729	4	228.30	1	-2.364E+03	-7.141E+03	7.233E+03	-1.573E+02	-5.502E+05	8.137E+05	-4.143E-02	-6.127E-02
729	4	228.30	2	1.274E+03	-7.126E+03	-7.233E+03	1.573E+02	5.506E+05	8.148E+05	-4.145E-02	6.140E-02
729	5	304.40	1	-2.364E+03	-1.427E+04	7.233E+03	-1.573E+02	-1.101E+06	-1.080E+03	2.171E-09	-8.062E-09
729	5	304.40	2	1.274E+03	-1.426E+04	-7.233E+03	1.573E+02	1.101E+06	1.080E+03	2.188E-09	8.088E-09
730	1	0.00	1	5.705E+02	1.093E+04	6.914E+03	-1.411E+02	1.050E+06	7.670E+02	0.000E+00	0.000E+00
730	1	0.00	2	2.955E+03	1.094E+04	-6.914E+03	1.411E+02	-1.054E+06	-8.255E+02	0.000E+00	0.000E+00
730	2	76.10	1	5.705E+02	5.462E+03	6.914E+03	-1.411E+02	5.237E+05	6.244E+05	-3.176E-02	5.784E-02
730	2	76.10	2	2.955E+03	5.472E+03	-6.914E+03	1.411E+02	-5.278E+05	6.236E+05	-3.175E-02	-5.919E-02
730	3	152.20	1	5.705E+02	-5.210E+00	6.914E+03	-1.411E+02	-2.413E+03	8.320E+05	-4.431E-02	-1.076E-03
730	3	152.20	2	2.955E+03	5.210E+00	-6.914E+03	1.411E+02	-1.624E+03	8.320E+05	-4.431E-02	-7.241E-04
730	4	228.30	1	5.705E+02	-5.472E+03	6.914E+03	-1.411E+02	-5.286E+05	6.236E+05	-3.175E-02	-5.946E-02
730	4	228.30	2	2.955E+03	-5.462E+03	-6.914E+03	1.411E+02	5.245E+05	6.244E+05	-3.176E-02	5.811E-02
730	5	304.40	1	5.705E+02	-1.094E+04	6.914E+03	-1.411E+02	-1.055E+06	-8.188E+02	6.338E-09	-3.507E-08
730	5	304.40	2	2.955E+03	-1.093E+04	-6.914E+03	1.411E+02	1.051E+06	7.603E+02	6.326E-09	3.516E-08
731	1	0.00	1	5.983E+02	1.094E+04	6.914E+03	4.193E+02	-1.050E+06	-7.670E+02	0.000E+00	0.000E+00
731	1	0.00	2	2.983E+03	1.093E+04	-6.914E+03	-4.193E+02	1.054E+06	8.255E+02	0.000E+00	0.000E+00
731	2	76.10	1	5.983E+02	5.472E+03	6.914E+03	4.193E+02	-5.239E+05	6.237E+05	-3.175E-02	-5.788E-02
731	2	76.10	2	2.983E+03	5.462E+03	-6.914E+03	-4.193E+02	5.277E+05	6.245E+05	-3.176E-02	5.916E-02
731	3	152.20	1	5.983E+02	5.210E+00	6.914E+03	4.193E+02	2.306E+03	8.321E+05	-4.432E-02	1.028E-03
731	3	152.20	2	2.983E+03	-5.210E+00	-6.914E+03	-4.193E+02	1.517E+03	8.321E+05	-4.432E-02	6.763E-04

731	4	228.30	1	5.983E+02	-5.462E+03	-6.914E+03	4.193E+02	5.285E+05	6.245E+05	-3.176E-02	5.942E-02
731	4	228.30	2	2.983E+03	-5.472E+03	6.914E+03	-4.193E+02	-5.246E+05	6.237E+05	-3.175E-02	-5.814E-02
731	5	304.40	1	5.983E+02	-1.093E+04	-6.914E+03	4.193E+02	1.055E+06	8.188E+02	3.532E-10	-1.500E-08
731	5	304.40	2	2.983E+03	-1.094E+04	6.914E+03	-4.193E+02	-1.051E+06	-7.602E+02	3.538E-10	1.537E-08
732	1	0.00	1	-2.373E+03	1.427E+04	-7.233E+03	4.155E+02	-1.101E+06	-1.081E+03	0.000E+00	0.000E+00
732	1	0.00	2	1.265E+03	1.426E+04	7.233E+03	-4.155E+02	1.100E+06	1.080E+03	0.000E+00	0.000E+00
732	2	76.10	1	-2.373E+03	7.141E+03	-7.233E+03	4.155E+02	-5.508E+05	8.137E+05	-4.143E-02	-6.150E-02
732	2	76.10	2	1.265E+03	7.126E+03	7.233E+03	-4.155E+02	5.501E+05	8.148E+05	-4.145E-02	6.124E-02
732	3	152.20	1	-2.373E+03	7.097E+00	-7.233E+03	4.155E+02	-4.282E+02	1.086E+06	-5.783E-02	-1.909E-04
732	3	152.20	2	1.265E+03	-7.097E+00	7.233E+03	-4.155E+02	-3.393E+02	1.086E+06	-5.783E-02	-1.513E-04
732	4	228.30	1	-2.373E+03	-7.126E+03	-7.233E+03	4.155E+02	5.500E+05	8.148E+05	-4.145E-02	6.121E-02
732	4	228.30	2	1.265E+03	-7.141E+03	7.233E+03	-4.155E+02	-5.507E+05	8.137E+05	-4.143E-02	-6.147E-02
732	5	304.40	1	-2.373E+03	-1.426E+04	-7.233E+03	4.155E+02	1.100E+06	1.079E+03	2.591E-09	1.608E-08
732	5	304.40	2	1.265E+03	-1.427E+04	7.233E+03	-4.155E+02	-1.101E+06	-1.080E+03	2.586E-09	-1.607E-08
733	1	0.00	1	-1.642E+03	1.594E+04	-6.705E+03	4.092E+02	-1.021E+06	-1.001E+03	0.000E+00	0.000E+00
733	1	0.00	2	1.768E+03	1.593E+04	6.705E+03	-4.092E+02	1.020E+06	1.000E+03	0.000E+00	0.000E+00
733	2	76.10	1	-1.642E+03	7.973E+03	-6.705E+03	4.092E+02	-5.103E+05	9.089E+05	-4.627E-02	-5.690E-02
733	2	76.10	2	1.768E+03	7.960E+03	6.705E+03	-4.092E+02	5.102E+05	9.099E+05	-4.629E-02	5.685E-02
733	3	152.20	1	-1.642E+03	6.573E+00	-6.705E+03	4.092E+02	-7.900E+01	1.213E+06	-6.458E-02	-3.522E-05
733	3	152.20	2	1.768E+03	-6.573E+00	6.705E+03	-4.092E+02	-7.962E+01	1.213E+06	-6.458E-02	-3.550E-05
733	4	228.30	1	-1.642E+03	-7.960E+03	-6.705E+03	4.092E+02	5.102E+05	9.099E+05	-4.629E-02	5.685E-02
733	4	228.30	2	1.768E+03	-7.973E+03	6.705E+03	-4.092E+02	-5.103E+05	9.089E+05	-4.627E-02	-5.690E-02
733	5	304.40	1	-1.642E+03	-1.593E+04	-6.705E+03	4.092E+02	1.020E+06	1.000E+03	6.326E-11	-4.345E-08
733	5	304.40	2	1.768E+03	-1.594E+04	6.705E+03	-4.092E+02	-1.021E+06	-1.001E+03	4.745E-11	4.345E-08
734	1	0.00	1	-1.815E+03	1.427E+04	-5.688E+03	4.005E+02	-8.657E+05	-8.451E+02	0.000E+00	0.000E+00
734	1	0.00	2	1.807E+03	1.426E+04	5.688E+03	-4.005E+02	8.656E+05	8.448E+02	0.000E+00	0.000E+00
734	2	76.10	1	-1.815E+03	7.139E+03	-5.688E+03	4.005E+02	-4.329E+05	8.139E+05	-4.143E-02	-4.827E-02
734	2	76.10	2	1.807E+03	7.128E+03	5.688E+03	-4.005E+02	4.327E+05	8.147E+05	-4.145E-02	4.821E-02
734	3	152.20	1	-1.815E+03	5.553E+00	-5.688E+03	4.005E+02	-4.939E+01	1.086E+06	-5.783E-02	-2.201E-05
734	3	152.20	2	1.807E+03	-5.553E+00	5.688E+03	-4.005E+02	-1.298E+02	1.086E+06	-5.783E-02	-5.790E-05
734	4	228.30	1	-1.815E+03	-7.128E+03	-5.688E+03	4.005E+02	4.328E+05	8.147E+05	-4.145E-02	4.823E-02
734	4	228.30	2	1.807E+03	-7.139E+03	5.688E+03	-4.005E+02	-4.330E+05	8.139E+05	-4.143E-02	-4.829E-02
734	5	304.40	1	-1.815E+03	-1.426E+04	-5.688E+03	4.005E+02	8.656E+05	8.452E+02	1.350E-09	3.007E-08
734	5	304.40	2	1.807E+03	-1.427E+04	5.688E+03	-4.005E+02	-8.658E+05	-8.454E+02	1.345E-09	-3.008E-08
735	1	0.00	1	-1.214E+03	1.094E+04	-4.507E+03	3.893E+02	-6.864E+05	-4.201E+02	0.000E+00	0.000E+00
735	1	0.00	2	1.223E+03	1.093E+04	4.507E+03	-3.893E+02	6.862E+05	4.195E+02	0.000E+00	0.000E+00
735	2	76.10	1	-1.214E+03	5.470E+03	-4.507E+03	3.893E+02	-3.434E+05	6.238E+05	-3.176E-02	-3.838E-02
735	2	76.10	2	1.223E+03	5.464E+03	4.507E+03	-3.893E+02	3.432E+05	6.242E+05	-3.176E-02	3.833E-02
735	3	152.20	1	-1.214E+03	2.783E+00	-4.507E+03	3.893E+02	-4.402E+02	8.321E+05	-4.432E-02	-1.963E-04
735	3	152.20	2	1.223E+03	-2.783E+00	4.507E+03	-3.893E+02	2.918E+02	8.320E+05	-4.432E-02	1.301E-04
735	4	228.30	1	-1.214E+03	-5.464E+03	-4.507E+03	3.893E+02	3.425E+05	6.243E+05	-3.176E-02	3.808E-02
735	4	228.30	2	1.223E+03	-5.470E+03	4.507E+03	-3.893E+02	-3.427E+05	6.238E+05	-3.175E-02	-3.813E-02
735	5	304.40	1	-1.214E+03	-1.093E+04	-4.507E+03	3.893E+02	6.855E+05	4.271E+02	-5.380E-09	-1.366E-08
735	5	304.40	2	1.223E+03	-1.094E+04	4.507E+03	-3.893E+02	-6.856E+05	-4.277E+02	-5.380E-09	1.364E-08
736	1	0.00	1	-1.223E+03	1.093E+04	4.507E+03	-2.324E+02	6.862E+05	4.195E+02	0.000E+00	0.000E+00
736	1	0.00	2	1.214E+03	1.094E+04	-4.507E+03	2.324E+02	-6.864E+05	-4.201E+02	0.000E+00	0.000E+00
736	2	76.10	1	-1.223E+03	5.464E+03	4.507E+03	-2.324E+02	3.432E+05	6.242E+05	-3.176E-02	3.833E-02
736	2	76.10	2	1.214E+03	5.470E+03	-4.507E+03	2.324E+02	-3.434E+05	6.238E+05	-3.176E-02	-3.838E-02
736	3	152.20	1	-1.223E+03	-2.783E+00	4.507E+03	-2.324E+02	2.923E+02	8.320E+05	-4.432E-02	1.303E-04
736	3	152.20	2	1.214E+03	2.783E+00	-4.507E+03	2.324E+02	-4.397E+02	8.321E+05	-4.432E-02	-1.961E-04
736	4	228.30	1	-1.223E+03	-5.470E+03	4.507E+03	-2.324E+02	-3.427E+05	6.238E+05	-3.175E-02	-3.813E-02
736	4	228.30	2	1.214E+03	-5.464E+03	-4.507E+03	2.324E+02	3.425E+05	6.243E+05	-3.176E-02	3.808E-02
736	5	304.40	1	-1.223E+03	-1.094E+04	4.507E+03	-2.324E+02	-6.856E+05	-4.277E+02	-4.061E-09	-1.145E-09
736	5	304.40	2	1.214E+03	-1.093E+04	-4.507E+03	2.324E+02	6.855E+05	4.271E+02	-4.065E-09	1.141E-09
737	1	0.00	1	-1.813E+03	1.426E+04	5.688E+03	-2.350E+02	8.656E+05	8.448E+02	0.000E+00	0.000E+00
737	1	0.00	2	1.809E+03	1.427E+04	-5.688E+03	2.350E+02	-8.657E+05	-8.451E+02	0.000E+00	0.000E+00
737	2	76.10	1	-1.813E+03	7.128E+03	5.688E+03	-2.350E+02	4.327E+05	8.147E+05	-4.145E-02	4.821E-02
737	2	76.10	2	1.809E+03	7.139E+03	-5.688E+03	2.350E+02	-4.329E+05	8.139E+05	-4.143E-02	-4.827E-02
737	3	152.20	1	-1.813E+03	-5.553E+00	5.688E+03	-2.350E+02	-1.301E+02	1.086E+06	-5.783E-02	-5.800E-05
737	3	152.20	2	1.809E+03	5.553E+00	-5.688E+03	2.350E+02	-4.962E+01	1.086E+06	-5.783E-02	-2.211E-05
737	4	228.30	1	-1.813E+03	-7.139E+03	5.688E+03	-2.350E+02	-4.330E+05	8.139E+05	-4.143E-02	-4.829E-02
737	4	228.30	2	1.809E+03	-7.128E+03	-5.688E+03	2.350E+02	4.328E+05	8.147E+05	-4.145E-02	4.823E-02

737	5	304.40	1	-1.813E+03	-1.427E+04	5.688E+03	-2.350E+02	-8.658E+05	-8.454E+02	1.347E-09	-3.082E-08
737	5	304.40	2	1.809E+03	-1.426E+04	-5.688E+03	2.350E+02	8.656E+05	8.452E+02	1.343E-09	3.082E-08
738	1	0.00	1	-1.643E+03	1.593E+04	6.705E+03	-2.309E+02	1.020E+06	1.000E+03	0.000E+00	0.000E+00
738	1	0.00	2	1.768E+03	1.594E+04	-6.705E+03	2.309E+02	-1.021E+06	-1.001E+03	0.000E+00	0.000E+00
738	2	76.10	1	-1.643E+03	7.960E+03	6.705E+03	-2.309E+02	5.101E+05	9.099E+05	-4.629E-02	5.684E-02
738	2	76.10	2	1.768E+03	7.973E+03	-6.705E+03	2.309E+02	-5.104E+05	9.089E+05	-4.627E-02	-5.692E-02
738	3	152.20	1	-1.643E+03	-6.573E+00	6.705E+03	-2.309E+02	-1.226E+02	1.213E+06	-6.458E-02	-5.468E-05
738	3	152.20	2	1.768E+03	6.573E+00	-6.705E+03	2.309E+02	-1.220E+02	1.213E+06	-6.458E-02	-5.439E-05
738	4	228.30	1	-1.643E+03	-7.973E+03	6.705E+03	-2.309E+02	-5.104E+05	9.089E+05	-4.627E-02	-5.692E-02
738	4	228.30	2	1.768E+03	-7.960E+03	-6.705E+03	2.309E+02	5.101E+05	9.099E+05	-4.629E-02	5.684E-02
738	5	304.40	1	-1.643E+03	-1.594E+04	6.705E+03	-2.309E+02	-1.021E+06	-1.001E+03	4.419E-09	4.182E-08
738	5	304.40	2	1.768E+03	-1.593E+04	-6.705E+03	2.309E+02	1.020E+06	1.000E+03	4.434E-09	-4.180E-08
739	1	0.00	1	-2.371E+03	1.426E+04	7.233E+03	-2.200E+02	1.101E+06	1.081E+03	0.000E+00	0.000E+00
739	1	0.00	2	1.267E+03	1.427E+04	-7.233E+03	2.200E+02	-1.101E+06	-1.080E+03	0.000E+00	0.000E+00
739	2	76.10	1	-2.371E+03	7.126E+03	7.233E+03	-2.200E+02	5.506E+05	8.148E+05	-4.145E-02	6.144E-02
739	2	76.10	2	1.267E+03	7.141E+03	-7.233E+03	2.200E+02	-5.502E+05	8.137E+05	-4.143E-02	-6.130E-02
739	3	152.20	1	-2.371E+03	-7.097E+00	7.233E+03	-2.200E+02	2.465E+02	1.086E+06	-5.783E-02	1.099E-04
739	3	152.20	2	1.267E+03	7.097E+00	-7.233E+03	2.200E+02	1.576E+02	1.086E+06	-5.783E-02	7.029E-05
739	4	228.30	1	-2.371E+03	-7.141E+03	7.233E+03	-2.200E+02	-5.502E+05	8.137E+05	-4.143E-02	-6.127E-02
739	4	228.30	2	1.267E+03	-7.126E+03	-7.233E+03	2.200E+02	5.506E+05	8.148E+05	-4.145E-02	6.141E-02
739	5	304.40	1	-2.371E+03	-1.427E+04	7.233E+03	-2.200E+02	-1.101E+06	-1.080E+03	2.171E-09	-7.991E-09
739	5	304.40	2	1.267E+03	-1.426E+04	-7.233E+03	2.200E+02	1.101E+06	1.080E+03	2.188E-09	8.017E-09
740	1	0.00	1	5.940E+02	1.093E+04	6.914E+03	-2.024E+02	1.050E+06	7.666E+02	0.000E+00	0.000E+00
740	1	0.00	2	2.979E+03	1.094E+04	-6.914E+03	2.024E+02	-1.054E+06	-8.259E+02	0.000E+00	0.000E+00
740	2	76.10	1	5.940E+02	5.462E+03	6.914E+03	-2.024E+02	5.237E+05	6.244E+05	-3.176E-02	5.783E-02
740	2	76.10	2	2.979E+03	5.472E+03	-6.914E+03	2.024E+02	-5.278E+05	6.236E+05	-3.175E-02	-5.920E-02
740	3	152.20	1	5.940E+02	-5.210E+00	6.914E+03	-2.024E+02	-2.439E+03	8.320E+05	-4.431E-02	-1.088E-03
740	3	152.20	2	2.979E+03	5.210E+00	-6.914E+03	2.024E+02	-1.650E+03	8.320E+05	-4.431E-02	-7.357E-04
740	4	228.30	1	5.940E+02	-5.472E+03	6.914E+03	-2.024E+02	-5.286E+05	6.236E+05	-3.175E-02	-5.947E-02
740	4	228.30	2	2.979E+03	-5.462E+03	-6.914E+03	2.024E+02	5.245E+05	6.244E+05	-3.176E-02	5.810E-02
740	5	304.40	1	5.940E+02	-1.094E+04	6.914E+03	-2.024E+02	-1.055E+06	-8.191E+02	6.336E-09	-3.492E-08
740	5	304.40	2	2.979E+03	-1.093E+04	-6.914E+03	2.024E+02	1.051E+06	7.599E+02	6.328E-09	3.502E-08
741	1	0.00	1	6.223E+02	1.094E+04	-6.914E+03	4.813E+02	-1.050E+06	-7.666E+02	0.000E+00	0.000E+00
741	1	0.00	2	3.007E+03	1.093E+04	6.914E+03	-4.813E+02	1.054E+06	8.259E+02	0.000E+00	0.000E+00
741	2	76.10	1	6.223E+02	5.472E+03	-6.914E+03	4.813E+02	-5.238E+05	6.237E+05	-3.175E-02	-5.787E-02
741	2	76.10	2	3.007E+03	5.462E+03	6.914E+03	-4.813E+02	5.277E+05	6.245E+05	-3.176E-02	5.917E-02
741	3	152.20	1	6.223E+02	5.210E+00	-6.914E+03	4.813E+02	2.332E+03	8.321E+05	-4.432E-02	1.040E-03
741	3	152.20	2	3.007E+03	-5.210E+00	6.914E+03	-4.813E+02	1.543E+03	8.321E+05	-4.432E-02	6.882E-04
741	4	228.30	1	6.223E+02	-5.462E+03	-6.914E+03	4.813E+02	5.285E+05	6.245E+05	-3.176E-02	5.943E-02
741	4	228.30	2	3.007E+03	-5.472E+03	6.914E+03	-4.813E+02	-5.246E+05	6.237E+05	-3.175E-02	-5.813E-02
741	5	304.40	1	6.223E+02	-1.093E+04	-6.914E+03	4.813E+02	1.055E+06	8.192E+02	3.528E-10	-1.485E-08
741	5	304.40	2	3.007E+03	-1.094E+04	6.914E+03	-4.813E+02	-1.051E+06	-7.598E+02	3.541E-10	1.522E-08
742	1	0.00	1	-2.380E+03	1.427E+04	-7.233E+03	4.789E+02	-1.101E+06	-1.081E+03	0.000E+00	0.000E+00
742	1	0.00	2	1.258E+03	1.426E+04	7.233E+03	-4.789E+02	1.100E+06	1.080E+03	0.000E+00	0.000E+00
742	2	76.10	1	-2.380E+03	7.141E+03	-7.233E+03	4.789E+02	-5.508E+05	8.137E+05	-4.143E-02	-6.150E-02
742	2	76.10	2	1.258E+03	7.126E+03	7.233E+03	-4.789E+02	5.501E+05	8.148E+05	-4.145E-02	6.124E-02
742	3	152.20	1	-2.380E+03	7.097E+00	-7.233E+03	4.789E+02	-4.321E+02	1.086E+06	-5.783E-02	-1.927E-04
742	3	152.20	2	1.258E+03	-7.097E+00	7.233E+03	-4.789E+02	-3.432E+02	1.086E+06	-5.783E-02	-1.530E-04
742	4	228.30	1	-2.380E+03	-7.126E+03	-7.233E+03	4.789E+02	5.500E+05	8.148E+05	-4.145E-02	6.121E-02
742	4	228.30	2	1.258E+03	-7.141E+03	7.233E+03	-4.789E+02	-5.507E+05	8.137E+05	-4.143E-02	-6.147E-02
742	5	304.40	1	-2.380E+03	-1.426E+04	-7.233E+03	4.789E+02	1.100E+06	1.079E+03	2.591E-09	1.615E-08
742	5	304.40	2	1.258E+03	-1.427E+04	7.233E+03	-4.789E+02	-1.101E+06	-1.080E+03	2.586E-09	-1.614E-08
743	1	0.00	1	-1.641E+03	1.594E+04	-6.705E+03	4.731E+02	-1.021E+06	-1.001E+03	0.000E+00	0.000E+00
743	1	0.00	2	1.769E+03	1.593E+04	6.705E+03	-4.731E+02	1.020E+06	1.000E+03	0.000E+00	0.000E+00
743	2	76.10	1	-1.641E+03	7.973E+03	-6.705E+03	4.731E+02	-5.103E+05	9.089E+05	-4.627E-02	-5.690E-02
743	2	76.10	2	1.769E+03	7.960E+03	6.705E+03	-4.731E+02	5.102E+05	9.099E+05	-4.629E-02	5.685E-02
743	3	152.20	1	-1.641E+03	6.573E+00	-6.705E+03	4.731E+02	-7.871E+01	1.213E+06	-6.458E-02	-3.509E-05
743	3	152.20	2	1.769E+03	-6.573E+00	6.705E+03	-4.731E+02	-7.933E+01	1.213E+06	-6.458E-02	-3.537E-05
743	4	228.30	1	-1.641E+03	-7.960E+03	-6.705E+03	4.731E+02	5.102E+05	9.099E+05	-4.629E-02	5.685E-02
743	4	228.30	2	1.769E+03	-7.973E+03	6.705E+03	-4.731E+02	-5.103E+05	9.089E+05	-4.627E-02	-5.690E-02
743	5	304.40	1	-1.641E+03	-1.593E+04	-6.705E+03	4.731E+02	1.020E+06	1.000E+03	6.326E-11	-4.344E-08
743	5	304.40	2	1.769E+03	-1.594E+04	6.705E+03	-4.731E+02	-1.021E+06	-1.001E+03	4.746E-11	4.345E-08

744	1	0.00	1	-1.815E+03	1.427E+04	-5.688E+03	4.639E+02	-8.657E+05	-8.451E+02	0.000E+00	0.000E+00
744	1	0.00	2	1.807E+03	1.426E+04	5.688E+03	-4.639E+02	8.656E+05	8.448E+02	0.000E+00	0.000E+00
744	2	76.10	1	-1.815E+03	7.139E+03	-5.688E+03	4.639E+02	-4.329E+05	8.139E+05	-4.143E-02	-4.827E-02
744	2	76.10	2	1.807E+03	7.128E+03	5.688E+03	-4.639E+02	4.327E+05	8.147E+05	-4.145E-02	4.821E-02
744	3	152.20	1	-1.815E+03	5.553E+00	-5.688E+03	4.639E+02	-4.939E+01	1.086E+06	-5.783E-02	-2.201E-05
744	3	152.20	2	1.807E+03	-5.553E+00	5.688E+03	-4.639E+02	-1.298E+02	1.086E+06	-5.783E-02	-5.790E-05
744	4	228.30	1	-1.815E+03	-7.128E+03	-5.688E+03	4.639E+02	4.328E+05	8.147E+05	-4.145E-02	4.823E-02
744	4	228.30	2	1.807E+03	-7.139E+03	5.688E+03	-4.639E+02	-4.330E+05	8.139E+05	-4.143E-02	-4.829E-02
744	5	304.40	1	-1.815E+03	-1.426E+04	-5.688E+03	4.639E+02	8.656E+05	8.452E+02	1.350E-09	3.000E-08
744	5	304.40	2	1.807E+03	-1.427E+04	5.688E+03	-4.639E+02	-8.658E+05	-8.454E+02	1.344E-09	-3.001E-08
745	1	0.00	1	-1.214E+03	1.094E+04	-4.507E+03	4.514E+02	-6.864E+05	-4.201E+02	0.000E+00	0.000E+00
745	1	0.00	2	1.223E+03	1.093E+04	4.507E+03	-4.514E+02	6.862E+05	4.195E+02	0.000E+00	0.000E+00
745	2	76.10	1	-1.214E+03	5.470E+03	-4.507E+03	4.514E+02	-3.434E+05	6.238E+05	-3.176E-02	-3.838E-02
745	2	76.10	2	1.223E+03	5.464E+03	4.507E+03	-4.514E+02	3.432E+05	6.242E+05	-3.176E-02	3.833E-02
745	3	152.20	1	-1.214E+03	2.783E+00	-4.507E+03	4.514E+02	-4.402E+02	8.321E+05	-4.432E-02	-1.963E-04
745	3	152.20	2	1.223E+03	-2.783E+00	4.507E+03	-4.514E+02	2.918E+02	8.320E+05	-4.432E-02	1.301E-04
745	4	228.30	1	-1.214E+03	-5.464E+03	-4.507E+03	4.514E+02	3.425E+05	6.243E+05	-3.176E-02	3.808E-02
745	4	228.30	2	1.223E+03	-5.470E+03	4.507E+03	-4.514E+02	-3.427E+05	6.238E+05	-3.175E-02	-3.813E-02
745	5	304.40	1	-1.214E+03	-1.093E+04	-4.507E+03	4.514E+02	6.855E+05	4.271E+02	-5.380E-09	-1.381E-08
745	5	304.40	2	1.223E+03	-1.094E+04	4.507E+03	-4.514E+02	-6.856E+05	-4.277E+02	-5.380E-09	1.379E-08
746	1	0.00	1	-1.223E+03	1.093E+04	4.507E+03	-2.501E+02	6.862E+05	4.195E+02	0.000E+00	0.000E+00
746	1	0.00	2	1.214E+03	1.094E+04	-4.507E+03	2.501E+02	-6.864E+05	-4.201E+02	0.000E+00	0.000E+00
746	2	76.10	1	-1.223E+03	5.464E+03	4.507E+03	-2.501E+02	3.432E+05	6.242E+05	-3.176E-02	3.833E-02
746	2	76.10	2	1.214E+03	5.470E+03	-4.507E+03	2.501E+02	-3.434E+05	6.238E+05	-3.176E-02	-3.838E-02
746	3	152.20	1	-1.223E+03	-2.783E+00	4.507E+03	-2.501E+02	2.923E+02	8.320E+05	-4.432E-02	1.303E-04
746	3	152.20	2	1.214E+03	2.783E+00	-4.507E+03	2.501E+02	-4.397E+02	8.321E+05	-4.432E-02	-1.961E-04
746	4	228.30	1	-1.223E+03	-5.470E+03	4.507E+03	-2.501E+02	-3.427E+05	6.238E+05	-3.175E-02	-3.813E-02
746	4	228.30	2	1.214E+03	-5.464E+03	-4.507E+03	2.501E+02	3.425E+05	6.243E+05	-3.176E-02	3.808E-02
746	5	304.40	1	-1.223E+03	-1.094E+04	4.507E+03	-2.501E+02	-6.856E+05	-4.277E+02	-4.061E-09	-1.189E-09
746	5	304.40	2	1.214E+03	-1.093E+04	-4.507E+03	2.501E+02	6.855E+05	4.271E+02	-4.065E-09	1.185E-09
747	1	0.00	1	-1.813E+03	1.426E+04	5.688E+03	-2.531E+02	8.656E+05	8.448E+02	0.000E+00	0.000E+00
747	1	0.00	2	1.809E+03	1.427E+04	-5.688E+03	2.531E+02	-8.657E+05	-8.451E+02	0.000E+00	0.000E+00
747	2	76.10	1	-1.813E+03	7.128E+03	5.688E+03	-2.531E+02	4.327E+05	8.147E+05	-4.145E-02	4.821E-02
747	2	76.10	2	1.809E+03	7.139E+03	-5.688E+03	2.531E+02	-4.329E+05	8.139E+05	-4.143E-02	-4.827E-02
747	3	152.20	1	-1.813E+03	-5.553E+00	5.688E+03	-2.531E+02	-1.301E+02	1.086E+06	-5.783E-02	-5.800E-05
747	3	152.20	2	1.809E+03	5.553E+00	-5.688E+03	2.531E+02	-4.962E+01	1.086E+06	-5.783E-02	-2.211E-05
747	4	228.30	1	-1.813E+03	-7.139E+03	5.688E+03	-2.531E+02	-4.330E+05	8.139E+05	-4.143E-02	-4.829E-02
747	4	228.30	2	1.809E+03	-7.128E+03	-5.688E+03	2.531E+02	4.328E+05	8.147E+05	-4.145E-02	4.823E-02
747	5	304.40	1	-1.813E+03	-1.427E+04	5.688E+03	-2.531E+02	-8.658E+05	-8.454E+02	1.347E-09	-3.084E-08
747	5	304.40	2	1.809E+03	-1.426E+04	-5.688E+03	2.531E+02	8.656E+05	8.452E+02	1.343E-09	3.084E-08
748	1	0.00	1	-1.643E+03	1.593E+04	6.705E+03	-2.492E+02	1.020E+06	1.000E+03	0.000E+00	0.000E+00
748	1	0.00	2	1.767E+03	1.594E+04	-6.705E+03	2.492E+02	-1.021E+06	-1.001E+03	0.000E+00	0.000E+00
748	2	76.10	1	-1.643E+03	7.960E+03	6.705E+03	-2.492E+02	5.101E+05	9.099E+05	-4.629E-02	5.684E-02
748	2	76.10	2	1.767E+03	7.973E+03	-6.705E+03	2.492E+02	-5.104E+05	9.089E+05	-4.627E-02	-5.692E-02
748	3	152.20	1	-1.643E+03	-6.573E+00	6.705E+03	-2.492E+02	-1.223E+02	1.213E+06	-6.458E-02	-5.455E-05
748	3	152.20	2	1.767E+03	6.573E+00	-6.705E+03	2.492E+02	-1.217E+02	1.213E+06	-6.458E-02	-5.427E-05
748	4	228.30	1	-1.643E+03	-7.973E+03	6.705E+03	-2.492E+02	-5.104E+05	9.089E+05	-4.627E-02	-5.692E-02
748	4	228.30	2	1.767E+03	-7.960E+03	-6.705E+03	2.492E+02	5.101E+05	9.099E+05	-4.629E-02	5.684E-02
748	5	304.40	1	-1.643E+03	-1.594E+04	6.705E+03	-2.492E+02	-1.021E+06	-1.001E+03	4.419E-09	4.182E-08
748	5	304.40	2	1.767E+03	-1.593E+04	-6.705E+03	2.492E+02	1.020E+06	1.000E+03	4.434E-09	-4.180E-08
749	1	0.00	1	-2.364E+03	1.426E+04	7.233E+03	-2.382E+02	1.101E+06	1.081E+03	0.000E+00	0.000E+00
749	1	0.00	2	1.274E+03	1.427E+04	-7.233E+03	2.382E+02	-1.101E+06	-1.080E+03	0.000E+00	0.000E+00
749	2	76.10	1	-2.364E+03	7.126E+03	7.233E+03	-2.382E+02	5.506E+05	8.148E+05	-4.145E-02	6.143E-02
749	2	76.10	2	1.274E+03	7.141E+03	-7.233E+03	2.382E+02	-5.502E+05	8.137E+05	-4.143E-02	-6.130E-02
749	3	152.20	1	-2.364E+03	-7.097E+00	7.233E+03	-2.382E+02	2.427E+02	1.086E+06	-5.783E-02	1.082E-04
749	3	152.20	2	1.274E+03	7.097E+00	-7.233E+03	2.382E+02	1.538E+02	1.086E+06	-5.783E-02	6.858E-05
749	4	228.30	1	-2.364E+03	-7.141E+03	7.233E+03	-2.382E+02	-5.502E+05	8.137E+05	-4.143E-02	-6.127E-02
749	4	228.30	2	1.274E+03	-7.126E+03	-7.233E+03	2.382E+02	5.506E+05	8.148E+05	-4.145E-02	6.140E-02
749	5	304.40	1	-2.364E+03	-1.427E+04	7.233E+03	-2.382E+02	-1.101E+06	-1.080E+03	2.171E-09	-7.971E-09
749	5	304.40	2	1.274E+03	-1.426E+04	-7.233E+03	2.382E+02	1.101E+06	1.080E+03	2.188E-09	7.997E-09
750	1	0.00	1	5.705E+02	1.093E+04	6.914E+03	-2.201E+02	1.050E+06	7.670E+02	0.000E+00	0.000E+00
750	1	0.00	2	2.955E+03	1.094E+04	-6.914E+03	2.201E+02	-1.054E+06	-8.255E+02	0.000E+00	0.000E+00

750	2	76.10	1	5.705E+02	5.462E+03	6.914E+03	-2.201E+02	5.237E+05	6.244E+05	-3.176E-02	5.784E-02
750	2	76.10	2	2.955E+03	5.472E+03	-6.914E+03	2.201E+02	-5.278E+05	6.236E+05	-3.175E-02	-5.919E-02
750	3	152.20	1	5.705E+02	-5.210E+00	6.914E+03	-2.201E+02	-2.413E+03	8.320E+05	-4.431E-02	-1.076E-03
750	3	152.20	2	2.955E+03	5.210E+00	-6.914E+03	2.201E+02	-1.624E+03	8.320E+05	-4.431E-02	-7.241E-04
750	4	228.30	1	5.705E+02	-5.472E+03	6.914E+03	-2.201E+02	-5.286E+05	6.236E+05	-3.175E-02	-5.946E-02
750	4	228.30	2	2.955E+03	-5.462E+03	-6.914E+03	2.201E+02	5.245E+05	6.244E+05	-3.176E-02	5.811E-02
750	5	304.40	1	5.705E+02	-1.094E+04	6.914E+03	-2.201E+02	-1.055E+06	-8.188E+02	6.335E-09	-3.488E-08
750	5	304.40	2	2.955E+03	-1.093E+04	-6.914E+03	2.201E+02	1.051E+06	7.603E+02	6.328E-09	3.497E-08
751	1	0.00	1	5.983E+02	1.094E+04	-6.914E+03	4.993E+02	-1.050E+06	-7.670E+02	0.000E+00	0.000E+00
751	1	0.00	2	2.983E+03	1.093E+04	6.914E+03	-4.993E+02	1.054E+06	8.255E+02	0.000E+00	0.000E+00
751	2	76.10	1	5.983E+02	5.472E+03	-6.914E+03	4.993E+02	-5.239E+05	6.237E+05	-3.175E-02	-5.788E-02
751	2	76.10	2	2.983E+03	5.462E+03	6.914E+03	-4.993E+02	5.277E+05	6.245E+05	-3.176E-02	5.916E-02
751	3	152.20	1	5.983E+02	5.210E+00	-6.914E+03	4.993E+02	2.306E+03	8.321E+05	-4.432E-02	1.028E-03
751	3	152.20	2	2.983E+03	-5.210E+00	6.914E+03	-4.993E+02	1.517E+03	8.321E+05	-4.432E-02	6.763E-04
751	4	228.30	1	5.983E+02	-5.462E+03	-6.914E+03	4.993E+02	5.285E+05	6.245E+05	-3.176E-02	5.942E-02
751	4	228.30	2	2.983E+03	-5.472E+03	6.914E+03	-4.993E+02	-5.246E+05	6.237E+05	-3.175E-02	-5.814E-02
751	5	304.40	1	5.983E+02	-1.093E+04	-6.914E+03	4.993E+02	1.055E+06	8.188E+02	3.528E-10	-1.481E-08
751	5	304.40	2	2.983E+03	-1.094E+04	6.914E+03	-4.993E+02	-1.051E+06	-7.602E+02	3.542E-10	1.517E-08
752	1	0.00	1	-2.373E+03	1.427E+04	-7.233E+03	4.973E+02	-1.101E+06	-1.081E+03	0.000E+00	0.000E+00
752	1	0.00	2	1.265E+03	1.426E+04	7.233E+03	-4.973E+02	1.100E+06	1.080E+03	0.000E+00	0.000E+00
752	2	76.10	1	-2.373E+03	7.141E+03	-7.233E+03	4.973E+02	-5.508E+05	8.137E+05	-4.143E-02	-6.150E-02
752	2	76.10	2	1.265E+03	7.126E+03	7.233E+03	-4.973E+02	5.501E+05	8.148E+05	-4.145E-02	6.124E-02
752	3	152.20	1	-2.373E+03	7.097E+00	-7.233E+03	4.973E+02	-4.282E+02	1.086E+06	-5.783E-02	-1.909E-04
752	3	152.20	2	1.265E+03	-7.097E+00	7.233E+03	-4.973E+02	-3.393E+02	1.086E+06	-5.783E-02	-1.513E-04
752	4	228.30	1	-2.373E+03	-7.126E+03	-7.233E+03	4.973E+02	5.500E+05	8.148E+05	-4.145E-02	6.121E-02
752	4	228.30	2	1.265E+03	-7.141E+03	7.233E+03	-4.973E+02	-5.507E+05	8.137E+05	-4.143E-02	-6.147E-02
752	5	304.40	1	-2.373E+03	-1.426E+04	-7.233E+03	4.973E+02	1.100E+06	1.079E+03	2.591E-09	1.617E-08
752	5	304.40	2	1.265E+03	-1.427E+04	7.233E+03	-4.973E+02	-1.101E+06	-1.080E+03	2.586E-09	-1.616E-08
753	1	0.00	1	-1.642E+03	1.594E+04	-6.705E+03	4.916E+02	-1.021E+06	-1.001E+03	0.000E+00	0.000E+00
753	1	0.00	2	1.768E+03	1.593E+04	6.705E+03	-4.916E+02	1.020E+06	1.000E+03	0.000E+00	0.000E+00
753	2	76.10	1	-1.642E+03	7.973E+03	-6.705E+03	4.916E+02	-5.103E+05	9.089E+05	-4.627E-02	-5.690E-02
753	2	76.10	2	1.768E+03	7.960E+03	6.705E+03	-4.916E+02	5.102E+05	9.099E+05	-4.629E-02	5.685E-02
753	3	152.20	1	-1.642E+03	6.573E+00	-6.705E+03	4.916E+02	-7.900E+01	1.213E+06	-6.458E-02	-3.522E-05
753	3	152.20	2	1.768E+03	-6.573E+00	6.705E+03	-4.916E+02	-7.962E+01	1.213E+06	-6.458E-02	-3.550E-05
753	4	228.30	1	-1.642E+03	-7.960E+03	-6.705E+03	4.916E+02	5.102E+05	9.099E+05	-4.629E-02	5.685E-02
753	4	228.30	2	1.768E+03	-7.973E+03	6.705E+03	-4.916E+02	-5.103E+05	9.089E+05	-4.627E-02	-5.690E-02
753	5	304.40	1	-1.642E+03	-1.593E+04	-6.705E+03	4.916E+02	1.020E+06	1.000E+03	6.326E-11	-4.344E-08
753	5	304.40	2	1.768E+03	-1.594E+04	6.705E+03	-4.916E+02	-1.021E+06	-1.001E+03	4.745E-11	4.345E-08
754	1	0.00	1	-1.815E+03	1.427E+04	-5.688E+03	4.823E+02	-8.657E+05	-8.451E+02	0.000E+00	0.000E+00
754	1	0.00	2	1.807E+03	1.426E+04	5.688E+03	-4.823E+02	8.656E+05	8.448E+02	0.000E+00	0.000E+00
754	2	76.10	1	-1.815E+03	7.139E+03	-5.688E+03	4.823E+02	-4.329E+05	8.139E+05	-4.143E-02	-4.827E-02
754	2	76.10	2	1.807E+03	7.128E+03	5.688E+03	-4.823E+02	4.327E+05	8.147E+05	-4.145E-02	4.821E-02
754	3	152.20	1	-1.815E+03	5.553E+00	-5.688E+03	4.823E+02	-4.939E+01	1.086E+06	-5.783E-02	-2.201E-05
754	3	152.20	2	1.807E+03	-5.553E+00	5.688E+03	-4.823E+02	-1.298E+02	1.086E+06	-5.783E-02	-5.790E-05
754	4	228.30	1	-1.815E+03	-7.128E+03	-5.688E+03	4.823E+02	4.328E+05	8.147E+05	-4.145E-02	4.823E-02
754	4	228.30	2	1.807E+03	-7.139E+03	5.688E+03	-4.823E+02	-4.330E+05	8.139E+05	-4.143E-02	-4.829E-02
754	5	304.40	1	-1.815E+03	-1.426E+04	-5.688E+03	4.823E+02	8.656E+05	8.452E+02	1.350E-09	2.998E-08
754	5	304.40	2	1.807E+03	-1.427E+04	5.688E+03	-4.823E+02	-8.658E+05	-8.454E+02	1.344E-09	-2.999E-08
755	1	0.00	1	-1.214E+03	1.094E+04	-4.507E+03	4.693E+02	-6.864E+05	-4.201E+02	0.000E+00	0.000E+00
755	1	0.00	2	1.223E+03	1.093E+04	4.507E+03	-4.693E+02	6.862E+05	4.195E+02	0.000E+00	0.000E+00
755	2	76.10	1	-1.214E+03	5.470E+03	-4.507E+03	4.693E+02	-3.434E+05	6.238E+05	-3.176E-02	-3.838E-02
755	2	76.10	2	1.223E+03	5.464E+03	4.507E+03	-4.693E+02	3.432E+05	6.242E+05	-3.176E-02	3.833E-02
755	3	152.20	1	-1.214E+03	2.783E+00	-4.507E+03	4.693E+02	-4.402E+02	8.321E+05	-4.432E-02	-1.963E-04
755	3	152.20	2	1.223E+03	-2.783E+00	4.507E+03	-4.693E+02	2.918E+02	8.320E+05	-4.432E-02	1.301E-04
755	4	228.30	1	-1.214E+03	-5.464E+03	-4.507E+03	4.693E+02	3.425E+05	6.243E+05	-3.176E-02	3.808E-02
755	4	228.30	2	1.223E+03	-5.470E+03	4.507E+03	-4.693E+02	-3.427E+05	6.238E+05	-3.175E-02	-3.813E-02
755	5	304.40	1	-1.214E+03	-1.093E+04	-4.507E+03	4.693E+02	6.855E+05	4.271E+02	-5.379E-09	-1.385E-08
755	5	304.40	2	1.223E+03	-1.094E+04	4.507E+03	-4.693E+02	-6.856E+05	-4.277E+02	-5.380E-09	1.384E-08
756	1	0.00	1	-1.223E+03	1.093E+04	4.507E+03	-2.683E+02	6.862E+05	4.195E+02	0.000E+00	0.000E+00
756	1	0.00	2	1.214E+03	1.094E+04	-4.507E+03	2.683E+02	-6.864E+05	-4.201E+02	0.000E+00	0.000E+00
756	2	76.10	1	-1.223E+03	5.464E+03	4.507E+03	-2.683E+02	3.432E+05	6.242E+05	-3.176E-02	3.833E-02
756	2	76.10	2	1.214E+03	5.470E+03	-4.507E+03	2.683E+02	-3.434E+05	6.238E+05	-3.176E-02	-3.838E-02

756	3	152.20	1	-1.223E+03	-2.783E+00	4.507E+03	-2.683E+02	2.923E+02	8.320E+05	-4.432E-02	1.303E-04
756	3	152.20	2	1.214E+03	2.783E+00	-4.507E+03	2.683E+02	-4.397E+02	8.321E+05	-4.432E-02	-1.961E-04
756	4	228.30	1	-1.223E+03	-5.470E+03	4.507E+03	-2.683E+02	-3.427E+05	6.238E+05	-3.175E-02	-3.813E-02
756	4	228.30	2	1.214E+03	-5.464E+03	-4.507E+03	2.683E+02	3.425E+05	6.243E+05	-3.176E-02	3.808E-02
756	5	304.40	1	-1.223E+03	-1.094E+04	4.507E+03	-2.683E+02	-6.856E+05	-4.277E+02	-4.061E-09	-1.232E-09
756	5	304.40	2	1.214E+03	-1.093E+04	-4.507E+03	2.683E+02	6.855E+05	4.271E+02	-4.065E-09	1.227E-09
757	1	0.00	1	-1.813E+03	1.426E+04	5.688E+03	-2.717E+02	8.656E+05	8.448E+02	0.000E+00	0.000E+00
757	1	0.00	2	1.809E+03	1.427E+04	-5.688E+03	2.717E+02	-8.657E+05	-8.451E+02	0.000E+00	0.000E+00
757	2	76.10	1	-1.813E+03	7.128E+03	5.688E+03	-2.717E+02	4.327E+05	8.147E+05	-4.145E-02	4.821E-02
757	2	76.10	2	1.809E+03	7.139E+03	-5.688E+03	2.717E+02	-4.329E+05	8.139E+05	-4.143E-02	-4.827E-02
757	3	152.20	1	-1.813E+03	-5.553E+00	5.688E+03	-2.717E+02	-1.301E+02	1.086E+06	-5.783E-02	-5.800E-05
757	3	152.20	2	1.809E+03	5.553E+00	-5.688E+03	2.717E+02	-4.962E+01	1.086E+06	-5.783E-02	-2.211E-05
757	4	228.30	1	-1.813E+03	-7.139E+03	5.688E+03	-2.717E+02	-4.330E+05	8.139E+05	-4.143E-02	-4.829E-02
757	4	228.30	2	1.809E+03	-7.128E+03	-5.688E+03	2.717E+02	4.328E+05	8.147E+05	-4.145E-02	4.823E-02
757	5	304.40	1	-1.813E+03	-1.427E+04	5.688E+03	-2.717E+02	-8.658E+05	-8.454E+02	1.347E-09	-3.086E-08
757	5	304.40	2	1.809E+03	-1.426E+04	-5.688E+03	2.717E+02	8.656E+05	8.452E+02	1.342E-09	3.086E-08
758	1	0.00	1	-1.643E+03	1.593E+04	6.705E+03	-2.679E+02	1.020E+06	1.000E+03	0.000E+00	0.000E+00
758	1	0.00	2	1.767E+03	1.594E+04	-6.705E+03	2.679E+02	-1.021E+06	-1.001E+03	0.000E+00	0.000E+00
758	2	76.10	1	-1.643E+03	7.960E+03	6.705E+03	-2.679E+02	5.101E+05	9.099E+05	-4.629E-02	5.684E-02
758	2	76.10	2	1.767E+03	7.973E+03	-6.705E+03	2.679E+02	-5.104E+05	9.089E+05	-4.627E-02	-5.692E-02
758	3	152.20	1	-1.643E+03	-6.573E+00	6.705E+03	-2.679E+02	-1.223E+02	1.213E+06	-6.458E-02	-5.455E-05
758	3	152.20	2	1.767E+03	6.573E+00	-6.705E+03	2.679E+02	-1.217E+02	1.213E+06	-6.458E-02	-5.427E-05
758	4	228.30	1	-1.643E+03	-7.973E+03	6.705E+03	-2.679E+02	-5.104E+05	9.089E+05	-4.627E-02	-5.692E-02
758	4	228.30	2	1.767E+03	-7.960E+03	-6.705E+03	2.679E+02	5.101E+05	9.099E+05	-4.629E-02	5.684E-02
758	5	304.40	1	-1.643E+03	-1.594E+04	6.705E+03	-2.679E+02	-1.021E+06	-1.001E+03	4.419E-09	4.182E-08
758	5	304.40	2	1.767E+03	-1.593E+04	-6.705E+03	2.679E+02	1.020E+06	1.000E+03	4.434E-09	-4.180E-08
759	1	0.00	1	-2.364E+03	1.426E+04	7.233E+03	-2.568E+02	1.101E+06	1.081E+03	0.000E+00	0.000E+00
759	1	0.00	2	1.274E+03	1.427E+04	-7.233E+03	2.568E+02	-1.101E+06	-1.080E+03	0.000E+00	0.000E+00
759	2	76.10	1	-2.364E+03	7.126E+03	7.233E+03	-2.568E+02	5.506E+05	8.148E+05	-4.145E-02	6.143E-02
759	2	76.10	2	1.274E+03	7.141E+03	-7.233E+03	2.568E+02	-5.502E+05	8.137E+05	-4.143E-02	-6.130E-02
759	3	152.20	1	-2.364E+03	-7.097E+00	7.233E+03	-2.568E+02	2.427E+02	1.086E+06	-5.783E-02	1.082E-04
759	3	152.20	2	1.274E+03	7.097E+00	-7.233E+03	2.568E+02	1.538E+02	1.086E+06	-5.783E-02	6.858E-05
759	4	228.30	1	-2.364E+03	-7.141E+03	7.233E+03	-2.568E+02	-5.502E+05	8.137E+05	-4.143E-02	-6.127E-02
759	4	228.30	2	1.274E+03	-7.126E+03	-7.233E+03	2.568E+02	5.506E+05	8.148E+05	-4.145E-02	6.140E-02
759	5	304.40	1	-2.364E+03	-1.427E+04	7.233E+03	-2.568E+02	-1.101E+06	-1.080E+03	2.171E-09	-7.946E-09
759	5	304.40	2	1.274E+03	-1.426E+04	-7.233E+03	2.568E+02	1.101E+06	1.080E+03	2.188E-09	7.973E-09
760	1	0.00	1	5.705E+02	1.093E+04	6.914E+03	-2.383E+02	1.050E+06	7.670E+02	0.000E+00	0.000E+00
760	1	0.00	2	2.955E+03	1.094E+04	-6.914E+03	2.383E+02	-1.054E+06	-8.255E+02	0.000E+00	0.000E+00
760	2	76.10	1	5.705E+02	5.462E+03	6.914E+03	-2.383E+02	5.237E+05	6.244E+05	-3.176E-02	5.784E-02
760	2	76.10	2	2.955E+03	5.472E+03	-6.914E+03	2.383E+02	-5.278E+05	6.236E+05	-3.175E-02	-5.919E-02
760	3	152.20	1	5.705E+02	-5.210E+00	6.914E+03	-2.383E+02	-2.413E+03	8.320E+05	-4.431E-02	-1.076E-03
760	3	152.20	2	2.955E+03	5.210E+00	-6.914E+03	2.383E+02	-1.624E+03	8.320E+05	-4.431E-02	-7.241E-04
760	4	228.30	1	5.705E+02	-5.472E+03	6.914E+03	-2.383E+02	-5.286E+05	6.236E+05	-3.175E-02	-5.946E-02
760	4	228.30	2	2.955E+03	-5.462E+03	-6.914E+03	2.383E+02	5.245E+05	6.244E+05	-3.176E-02	5.811E-02
760	5	304.40	1	5.705E+02	-1.094E+04	6.914E+03	-2.383E+02	-1.055E+06	-8.188E+02	6.335E-09	-3.483E-08
760	5	304.40	2	2.955E+03	-1.093E+04	-6.914E+03	2.383E+02	1.051E+06	7.603E+02	6.328E-09	3.493E-08
761	1	0.00	1	5.983E+02	1.094E+04	6.914E+03	5.177E+02	-1.050E+06	-7.670E+02	0.000E+00	0.000E+00
761	1	0.00	2	2.983E+03	1.093E+04	-6.914E+03	-5.177E+02	1.054E+06	8.255E+02	0.000E+00	0.000E+00
761	2	76.10	1	5.983E+02	5.472E+03	6.914E+03	5.177E+02	-5.239E+05	6.237E+05	-3.175E-02	-5.788E-02
761	2	76.10	2	2.983E+03	5.462E+03	-6.914E+03	-5.177E+02	5.277E+05	6.245E+05	-3.176E-02	5.916E-02
761	3	152.20	1	5.983E+02	5.210E+00	6.914E+03	5.177E+02	2.306E+03	8.321E+05	-4.432E-02	1.028E-03
761	3	152.20	2	2.983E+03	-5.210E+00	-6.914E+03	-5.177E+02	1.517E+03	8.321E+05	-4.432E-02	6.763E-04
761	4	228.30	1	5.983E+02	-5.462E+03	6.914E+03	5.177E+02	5.285E+05	6.245E+05	-3.176E-02	5.942E-02
761	4	228.30	2	2.983E+03	-5.472E+03	-6.914E+03	-5.177E+02	-5.246E+05	6.237E+05	-3.175E-02	-5.814E-02
761	5	304.40	1	5.983E+02	-1.093E+04	6.914E+03	5.177E+02	1.055E+06	8.188E+02	3.527E-10	-1.476E-08
761	5	304.40	2	2.983E+03	-1.094E+04	-6.914E+03	-5.177E+02	-1.051E+06	-7.602E+02	3.543E-10	1.513E-08
762	1	0.00	1	-2.373E+03	1.427E+04	7.233E+03	5.161E+02	-1.101E+06	-1.081E+03	0.000E+00	0.000E+00
762	1	0.00	2	1.265E+03	1.426E+04	-7.233E+03	-5.161E+02	1.100E+06	1.080E+03	0.000E+00	0.000E+00
762	2	76.10	1	-2.373E+03	7.141E+03	7.233E+03	5.161E+02	-5.508E+05	8.137E+05	-4.143E-02	-6.150E-02
762	2	76.10	2	1.265E+03	7.126E+03	-7.233E+03	-5.161E+02	5.501E+05	8.148E+05	-4.145E-02	6.124E-02
762	3	152.20	1	-2.373E+03	7.097E+00	7.233E+03	5.161E+02	-4.282E+02	1.086E+06	-5.783E-02	-1.909E-04
762	3	152.20	2	1.265E+03	-7.097E+00	-7.233E+03	-5.161E+02	-3.393E+02	1.086E+06	-5.783E-02	-1.513E-04

762	4	228.30	1	-2.373E+03	-7.126E+03	-7.233E+03	5.161E+02	5.500E+05	8.148E+05	-4.145E-02	6.121E-02
762	4	228.30	2	1.265E+03	-7.141E+03	7.233E+03	-5.161E+02	-5.507E+05	8.137E+05	-4.143E-02	-6.147E-02
762	5	304.40	1	-2.373E+03	-1.426E+04	-7.233E+03	5.161E+02	1.100E+06	1.079E+03	2.591E-09	1.619E-08
762	5	304.40	2	1.265E+03	-1.427E+04	7.233E+03	-5.161E+02	-1.101E+06	-1.080E+03	2.586E-09	-1.618E-08
763	1	0.00	1	-1.642E+03	1.594E+04	-6.705E+03	5.105E+02	-1.021E+06	-1.001E+03	0.000E+00	0.000E+00
763	1	0.00	2	1.768E+03	1.593E+04	6.705E+03	-5.105E+02	1.020E+06	1.000E+03	0.000E+00	0.000E+00
763	2	76.10	1	-1.642E+03	7.973E+03	-6.705E+03	5.105E+02	-5.103E+05	9.089E+05	-4.627E-02	-5.690E-02
763	2	76.10	2	1.768E+03	7.960E+03	6.705E+03	-5.105E+02	5.102E+05	9.099E+05	-4.629E-02	5.685E-02
763	3	152.20	1	-1.642E+03	6.573E+00	-6.705E+03	5.105E+02	-7.900E+01	1.213E+06	-6.458E-02	-3.522E-05
763	3	152.20	2	1.768E+03	-6.573E+00	6.705E+03	-5.105E+02	-7.962E+01	1.213E+06	-6.458E-02	-3.550E-05
763	4	228.30	1	-1.642E+03	-7.960E+03	-6.705E+03	5.105E+02	5.102E+05	9.099E+05	-4.629E-02	5.685E-02
763	4	228.30	2	1.768E+03	-7.973E+03	6.705E+03	-5.105E+02	-5.103E+05	9.089E+05	-4.627E-02	-5.690E-02
763	5	304.40	1	-1.642E+03	-1.593E+04	-6.705E+03	5.105E+02	1.020E+06	1.000E+03	6.326E-11	-4.345E-08
763	5	304.40	2	1.768E+03	-1.594E+04	6.705E+03	-5.105E+02	-1.021E+06	-1.001E+03	4.746E-11	4.346E-08
764	1	0.00	1	-1.815E+03	1.427E+04	-5.688E+03	5.011E+02	-8.657E+05	-8.451E+02	0.000E+00	0.000E+00
764	1	0.00	2	1.807E+03	1.426E+04	5.688E+03	-5.011E+02	8.656E+05	8.448E+02	0.000E+00	0.000E+00
764	2	76.10	1	-1.815E+03	7.139E+03	-5.688E+03	5.011E+02	-4.329E+05	8.139E+05	-4.143E-02	-4.827E-02
764	2	76.10	2	1.807E+03	7.128E+03	5.688E+03	-5.011E+02	4.327E+05	8.147E+05	-4.145E-02	4.821E-02
764	3	152.20	1	-1.815E+03	5.553E+00	-5.688E+03	5.011E+02	-4.939E+01	1.086E+06	-5.783E-02	-2.201E-05
764	3	152.20	2	1.807E+03	-5.553E+00	5.688E+03	-5.011E+02	-1.298E+02	1.086E+06	-5.783E-02	-5.790E-05
764	4	228.30	1	-1.815E+03	-7.128E+03	-5.688E+03	5.011E+02	4.328E+05	8.147E+05	-4.145E-02	4.823E-02
764	4	228.30	2	1.807E+03	-7.139E+03	5.688E+03	-5.011E+02	-4.330E+05	8.139E+05	-4.143E-02	-4.829E-02
764	5	304.40	1	-1.815E+03	-1.426E+04	-5.688E+03	5.011E+02	8.656E+05	8.452E+02	1.350E-09	2.996E-08
764	5	304.40	2	1.807E+03	-1.427E+04	5.688E+03	-5.011E+02	-8.658E+05	-8.454E+02	1.344E-09	-2.996E-08
765	1	0.00	1	-1.214E+03	1.094E+04	-4.507E+03	4.877E+02	-6.864E+05	-4.201E+02	0.000E+00	0.000E+00
765	1	0.00	2	1.223E+03	1.093E+04	4.507E+03	-4.877E+02	6.862E+05	4.195E+02	0.000E+00	0.000E+00
765	2	76.10	1	-1.214E+03	5.470E+03	-4.507E+03	4.877E+02	-3.434E+05	6.238E+05	-3.176E-02	-3.838E-02
765	2	76.10	2	1.223E+03	5.464E+03	4.507E+03	-4.877E+02	3.432E+05	6.242E+05	-3.176E-02	3.833E-02
765	3	152.20	1	-1.214E+03	2.783E+00	-4.507E+03	4.877E+02	-4.402E+02	8.321E+05	-4.432E-02	-1.963E-04
765	3	152.20	2	1.223E+03	-2.783E+00	4.507E+03	-4.877E+02	2.918E+02	8.320E+05	-4.432E-02	1.301E-04
765	4	228.30	1	-1.214E+03	-5.464E+03	-4.507E+03	4.877E+02	3.425E+05	6.243E+05	-3.176E-02	3.808E-02
765	4	228.30	2	1.223E+03	-5.470E+03	4.507E+03	-4.877E+02	-3.427E+05	6.238E+05	-3.175E-02	-3.813E-02
765	5	304.40	1	-1.214E+03	-1.093E+04	-4.507E+03	4.877E+02	6.855E+05	4.271E+02	-5.379E-09	-1.390E-08
765	5	304.40	2	1.223E+03	-1.094E+04	4.507E+03	-4.877E+02	-6.856E+05	-4.277E+02	-5.380E-09	1.388E-08
766	1	0.00	1	-1.223E+03	1.093E+04	4.507E+03	-1.872E+02	6.862E+05	4.195E+02	0.000E+00	0.000E+00
766	1	0.00	2	1.214E+03	1.094E+04	-4.507E+03	1.872E+02	-6.864E+05	-4.201E+02	0.000E+00	0.000E+00
766	2	76.10	1	-1.223E+03	5.464E+03	4.507E+03	-1.872E+02	3.432E+05	6.242E+05	-3.176E-02	3.833E-02
766	2	76.10	2	1.214E+03	5.470E+03	-4.507E+03	1.872E+02	-3.434E+05	6.238E+05	-3.176E-02	-3.838E-02
766	3	152.20	1	-1.223E+03	-2.783E+00	4.507E+03	-1.872E+02	2.923E+02	8.320E+05	-4.432E-02	1.303E-04
766	3	152.20	2	1.214E+03	2.783E+00	-4.507E+03	1.872E+02	-4.397E+02	8.321E+05	-4.432E-02	-1.961E-04
766	4	228.30	1	-1.223E+03	-5.470E+03	4.507E+03	-1.872E+02	-3.427E+05	6.238E+05	-3.175E-02	-3.813E-02
766	4	228.30	2	1.214E+03	-5.464E+03	-4.507E+03	1.872E+02	3.425E+05	6.243E+05	-3.176E-02	3.808E-02
766	5	304.40	1	-1.223E+03	-1.094E+04	4.507E+03	-1.872E+02	-6.856E+05	-4.277E+02	-4.061E-09	-1.036E-09
766	5	304.40	2	1.214E+03	-1.093E+04	-4.507E+03	1.872E+02	6.855E+05	4.271E+02	-4.065E-09	1.031E-09
767	1	0.00	1	-1.813E+03	1.426E+04	5.688E+03	-1.888E+02	8.656E+05	8.448E+02	0.000E+00	0.000E+00
767	1	0.00	2	1.809E+03	1.427E+04	-5.688E+03	1.888E+02	-8.657E+05	-8.451E+02	0.000E+00	0.000E+00
767	2	76.10	1	-1.813E+03	7.128E+03	5.688E+03	-1.888E+02	4.327E+05	8.147E+05	-4.145E-02	4.821E-02
767	2	76.10	2	1.809E+03	7.139E+03	-5.688E+03	1.888E+02	-4.329E+05	8.139E+05	-4.143E-02	-4.827E-02
767	3	152.20	1	-1.813E+03	-5.553E+00	5.688E+03	-1.888E+02	-1.301E+02	1.086E+06	-5.783E-02	-5.800E-05
767	3	152.20	2	1.809E+03	5.553E+00	-5.688E+03	1.888E+02	-4.962E+01	1.086E+06	-5.783E-02	-2.211E-05
767	4	228.30	1	-1.813E+03	-7.139E+03	5.688E+03	-1.888E+02	-4.330E+05	8.139E+05	-4.143E-02	-4.829E-02
767	4	228.30	2	1.809E+03	-7.128E+03	-5.688E+03	1.888E+02	4.328E+05	8.147E+05	-4.145E-02	4.823E-02
767	5	304.40	1	-1.813E+03	-1.427E+04	5.688E+03	-1.888E+02	-8.658E+05	-8.454E+02	1.347E-09	-3.077E-08
767	5	304.40	2	1.809E+03	-1.426E+04	-5.688E+03	1.888E+02	8.656E+05	8.452E+02	1.343E-09	3.076E-08
768	1	0.00	1	-1.643E+03	1.593E+04	6.705E+03	-1.844E+02	1.020E+06	1.000E+03	0.000E+00	0.000E+00
768	1	0.00	2	1.767E+03	1.594E+04	-6.705E+03	1.844E+02	-1.021E+06	-1.001E+03	0.000E+00	0.000E+00
768	2	76.10	1	-1.643E+03	7.960E+03	6.705E+03	-1.844E+02	5.101E+05	9.099E+05	-4.629E-02	5.684E-02
768	2	76.10	2	1.767E+03	7.973E+03	-6.705E+03	1.844E+02	-5.104E+05	9.089E+05	-4.627E-02	-5.692E-02
768	3	152.20	1	-1.643E+03	-6.573E+00	6.705E+03	-1.844E+02	-1.223E+02	1.213E+06	-6.458E-02	-5.455E-05
768	3	152.20	2	1.767E+03	6.573E+00	-6.705E+03	1.844E+02	-1.217E+02	1.213E+06	-6.458E-02	-5.427E-05
768	4	228.30	1	-1.643E+03	-7.973E+03	6.705E+03	-1.844E+02	-5.104E+05	9.089E+05	-4.627E-02	-5.692E-02
768	4	228.30	2	1.767E+03	-7.960E+03	-6.705E+03	1.844E+02	5.101E+05	9.099E+05	-4.629E-02	5.684E-02

768	5	304.40	1	-1.643E+03	-1.594E+04	6.705E+03	-1.844E+02	-1.021E+06	-1.001E+03	4.419E-09	4.182E-08
768	5	304.40	2	1.767E+03	-1.593E+04	-6.705E+03	1.844E+02	1.020E+06	1.000E+03	4.434E-09	-4.180E-08
769	1	0.00	1	-2.364E+03	1.426E+04	7.233E+03	-1.738E+02	1.101E+06	1.081E+03	0.000E+00	0.000E+00
769	1	0.00	2	1.274E+03	1.427E+04	-7.233E+03	1.738E+02	-1.101E+06	-1.080E+03	0.000E+00	0.000E+00
769	2	76.10	1	-2.364E+03	7.126E+03	7.233E+03	-1.738E+02	5.506E+05	8.148E+05	-4.145E-02	6.143E-02
769	2	76.10	2	1.274E+03	7.141E+03	-7.233E+03	1.738E+02	-5.502E+05	8.137E+05	-4.143E-02	-6.130E-02
769	3	152.20	1	-2.364E+03	-7.097E+00	7.233E+03	-1.738E+02	2.427E+02	1.086E+06	-5.783E-02	1.082E-04
769	3	152.20	2	1.274E+03	7.097E+00	-7.233E+03	1.738E+02	1.538E+02	1.086E+06	-5.783E-02	6.858E-05
769	4	228.30	1	-2.364E+03	-7.141E+03	7.233E+03	-1.738E+02	-5.502E+05	8.137E+05	-4.143E-02	-6.127E-02
769	4	228.30	2	1.274E+03	-7.126E+03	-7.233E+03	1.738E+02	5.506E+05	8.148E+05	-4.145E-02	6.140E-02
769	5	304.40	1	-2.364E+03	-1.427E+04	7.233E+03	-1.738E+02	-1.101E+06	-1.080E+03	2.171E-09	-8.045E-09
769	5	304.40	2	1.274E+03	-1.426E+04	-7.233E+03	1.738E+02	1.101E+06	1.080E+03	2.188E-09	8.071E-09
770	1	0.00	1	5.705E+02	1.093E+04	6.914E+03	-1.572E+02	1.050E+06	7.670E+02	0.000E+00	0.000E+00
770	1	0.00	2	2.955E+03	1.094E+04	-6.914E+03	1.572E+02	-1.054E+06	-8.255E+02	0.000E+00	0.000E+00
770	2	76.10	1	5.705E+02	5.462E+03	6.914E+03	-1.572E+02	5.237E+05	6.244E+05	-3.176E-02	5.784E-02
770	2	76.10	2	2.955E+03	5.472E+03	-6.914E+03	1.572E+02	-5.278E+05	6.236E+05	-3.175E-02	-5.919E-02
770	3	152.20	1	5.705E+02	-5.210E+00	6.914E+03	-1.572E+02	-2.413E+03	8.320E+05	-4.431E-02	-1.076E-03
770	3	152.20	2	2.955E+03	5.210E+00	-6.914E+03	1.572E+02	-1.624E+03	8.320E+05	-4.431E-02	-7.241E-04
770	4	228.30	1	5.705E+02	-5.472E+03	6.914E+03	-1.572E+02	-5.286E+05	6.236E+05	-3.175E-02	-5.946E-02
770	4	228.30	2	2.955E+03	-5.462E+03	-6.914E+03	1.572E+02	5.245E+05	6.244E+05	-3.176E-02	5.811E-02
770	5	304.40	1	5.705E+02	-1.094E+04	6.914E+03	-1.572E+02	-1.055E+06	-8.188E+02	6.337E-09	-3.503E-08
770	5	304.40	2	2.955E+03	-1.093E+04	-6.914E+03	1.572E+02	1.051E+06	7.603E+02	6.326E-09	3.513E-08
771	1	0.00	1	5.983E+02	1.094E+04	-6.914E+03	4.356E+02	-1.050E+06	-7.670E+02	0.000E+00	0.000E+00
771	1	0.00	2	2.983E+03	1.093E+04	6.914E+03	-4.356E+02	1.054E+06	8.255E+02	0.000E+00	0.000E+00
771	2	76.10	1	5.983E+02	5.472E+03	-6.914E+03	4.356E+02	-5.239E+05	6.237E+05	-3.175E-02	-5.788E-02
771	2	76.10	2	2.983E+03	5.462E+03	6.914E+03	-4.356E+02	5.277E+05	6.245E+05	-3.176E-02	5.916E-02
771	3	152.20	1	5.983E+02	5.210E+00	-6.914E+03	4.356E+02	2.306E+03	8.321E+05	-4.432E-02	1.028E-03
771	3	152.20	2	2.983E+03	-5.210E+00	6.914E+03	-4.356E+02	1.517E+03	8.321E+05	-4.432E-02	6.763E-04
771	4	228.30	1	5.983E+02	-5.462E+03	-6.914E+03	4.356E+02	5.285E+05	6.245E+05	-3.176E-02	5.942E-02
771	4	228.30	2	2.983E+03	-5.472E+03	6.914E+03	-4.356E+02	-5.246E+05	6.237E+05	-3.175E-02	-5.814E-02
771	5	304.40	1	5.983E+02	-1.093E+04	-6.914E+03	4.356E+02	1.055E+06	8.188E+02	3.531E-10	-1.496E-08
771	5	304.40	2	2.983E+03	-1.094E+04	6.914E+03	-4.356E+02	-1.051E+06	-7.602E+02	3.539E-10	1.533E-08
772	1	0.00	1	-2.373E+03	1.427E+04	-7.233E+03	4.322E+02	-1.101E+06	-1.081E+03	0.000E+00	0.000E+00
772	1	0.00	2	1.265E+03	1.426E+04	7.233E+03	-4.322E+02	1.100E+06	1.080E+03	0.000E+00	0.000E+00
772	2	76.10	1	-2.373E+03	7.141E+03	-7.233E+03	4.322E+02	-5.508E+05	8.137E+05	-4.143E-02	-6.150E-02
772	2	76.10	2	1.265E+03	7.126E+03	7.233E+03	-4.322E+02	5.501E+05	8.148E+05	-4.145E-02	6.124E-02
772	3	152.20	1	-2.373E+03	7.097E+00	-7.233E+03	4.322E+02	-4.282E+02	1.086E+06	-5.783E-02	-1.909E-04
772	3	152.20	2	1.265E+03	-7.097E+00	7.233E+03	-4.322E+02	-3.393E+02	1.086E+06	-5.783E-02	-1.513E-04
772	4	228.30	1	-2.373E+03	-7.126E+03	-7.233E+03	4.322E+02	5.500E+05	8.148E+05	-4.145E-02	6.121E-02
772	4	228.30	2	1.265E+03	-7.141E+03	7.233E+03	-4.322E+02	-5.507E+05	8.137E+05	-4.143E-02	-6.147E-02
772	5	304.40	1	-2.373E+03	-1.426E+04	-7.233E+03	4.322E+02	1.100E+06	1.079E+03	2.591E-09	1.610E-08
772	5	304.40	2	1.265E+03	-1.427E+04	7.233E+03	-4.322E+02	-1.101E+06	-1.080E+03	2.586E-09	-1.609E-08
773	1	0.00	1	-1.642E+03	1.594E+04	-6.705E+03	4.260E+02	-1.021E+06	-1.001E+03	0.000E+00	0.000E+00
773	1	0.00	2	1.768E+03	1.593E+04	6.705E+03	-4.260E+02	1.020E+06	1.000E+03	0.000E+00	0.000E+00
773	2	76.10	1	-1.642E+03	7.973E+03	-6.705E+03	4.260E+02	-5.103E+05	9.089E+05	-4.627E-02	-5.690E-02
773	2	76.10	2	1.768E+03	7.960E+03	6.705E+03	-4.260E+02	5.102E+05	9.099E+05	-4.629E-02	5.685E-02
773	3	152.20	1	-1.642E+03	6.573E+00	-6.705E+03	4.260E+02	-7.900E+01	1.213E+06	-6.458E-02	-3.522E-05
773	3	152.20	2	1.768E+03	-6.573E+00	6.705E+03	-4.260E+02	-7.962E+01	1.213E+06	-6.458E-02	-3.550E-05
773	4	228.30	1	-1.642E+03	-7.960E+03	-6.705E+03	4.260E+02	5.102E+05	9.099E+05	-4.629E-02	5.685E-02
773	4	228.30	2	1.768E+03	-7.973E+03	6.705E+03	-4.260E+02	-5.103E+05	9.089E+05	-4.627E-02	-5.690E-02
773	5	304.40	1	-1.642E+03	-1.593E+04	-6.705E+03	4.260E+02	1.020E+06	1.000E+03	6.326E-11	-4.344E-08
773	5	304.40	2	1.768E+03	-1.594E+04	6.705E+03	-4.260E+02	-1.021E+06	-1.001E+03	4.746E-11	4.345E-08
774	1	0.00	1	-1.815E+03	1.427E+04	-5.688E+03	4.172E+02	-8.657E+05	-8.451E+02	0.000E+00	0.000E+00
774	1	0.00	2	1.807E+03	1.426E+04	5.688E+03	-4.172E+02	8.656E+05	8.448E+02	0.000E+00	0.000E+00
774	2	76.10	1	-1.815E+03	7.139E+03	-5.688E+03	4.172E+02	-4.329E+05	8.139E+05	-4.143E-02	-4.827E-02
774	2	76.10	2	1.807E+03	7.128E+03	5.688E+03	-4.172E+02	4.327E+05	8.147E+05	-4.145E-02	4.821E-02
774	3	152.20	1	-1.815E+03	5.553E+00	-5.688E+03	4.172E+02	-4.939E+01	1.086E+06	-5.783E-02	-2.201E-05
774	3	152.20	2	1.807E+03	-5.553E+00	5.688E+03	-4.172E+02	-1.298E+02	1.086E+06	-5.783E-02	-5.790E-05
774	4	228.30	1	-1.815E+03	-7.128E+03	-5.688E+03	4.172E+02	4.328E+05	8.147E+05	-4.145E-02	4.823E-02
774	4	228.30	2	1.807E+03	-7.139E+03	5.688E+03	-4.172E+02	-4.330E+05	8.139E+05	-4.143E-02	-4.829E-02
774	5	304.40	1	-1.815E+03	-1.426E+04	-5.688E+03	4.172E+02	8.656E+05	8.452E+02	1.350E-09	3.006E-08
774	5	304.40	2	1.807E+03	-1.427E+04	5.688E+03	-4.172E+02	-8.658E+05	-8.454E+02	1.344E-09	-3.006E-08

775	1	0.00	1	-1.214E+03	1.094E+04	-4.507E+03	4.056E+02	-6.864E+05	-4.201E+02	0.000E+00	0.000E+00
775	1	0.00	2	1.223E+03	1.093E+04	4.507E+03	-4.056E+02	6.862E+05	4.195E+02	0.000E+00	0.000E+00
775	2	76.10	1	-1.214E+03	5.470E+03	-4.507E+03	4.056E+02	-3.434E+05	6.238E+05	-3.176E-02	-3.838E-02
775	2	76.10	2	1.223E+03	5.464E+03	4.507E+03	-4.056E+02	3.432E+05	6.242E+05	-3.176E-02	3.833E-02
775	3	152.20	1	-1.214E+03	2.783E+00	-4.507E+03	4.056E+02	-4.402E+02	8.321E+05	-4.432E-02	-1.963E-04
775	3	152.20	2	1.223E+03	-2.783E+00	4.507E+03	-4.056E+02	2.918E+02	8.320E+05	-4.432E-02	1.301E-04
775	4	228.30	1	-1.214E+03	-5.464E+03	-4.507E+03	4.056E+02	3.425E+05	6.243E+05	-3.176E-02	3.808E-02
775	4	228.30	2	1.223E+03	-5.470E+03	4.507E+03	-4.056E+02	-3.427E+05	6.238E+05	-3.175E-02	-3.813E-02
775	5	304.40	1	-1.214E+03	-1.093E+04	-4.507E+03	4.056E+02	6.855E+05	4.271E+02	-5.380E-09	-1.369E-08
775	5	304.40	2	1.223E+03	-1.094E+04	4.507E+03	-4.056E+02	-6.856E+05	-4.277E+02	-5.380E-09	1.368E-08
776	1	0.00	1	-1.223E+03	1.093E+04	4.507E+03	1.178E+02	6.862E+05	4.195E+02	0.000E+00	0.000E+00
776	1	0.00	2	1.214E+03	1.094E+04	-4.507E+03	-1.178E+02	-6.864E+05	-4.201E+02	0.000E+00	0.000E+00
776	2	76.10	1	-1.223E+03	5.464E+03	4.507E+03	1.178E+02	3.432E+05	6.242E+05	-3.176E-02	3.833E-02
776	2	76.10	2	1.214E+03	5.470E+03	-4.507E+03	-1.178E+02	-3.434E+05	6.238E+05	-3.176E-02	-3.838E-02
776	3	152.20	1	-1.223E+03	-2.783E+00	4.507E+03	1.178E+02	2.920E+02	8.320E+05	-4.432E-02	1.302E-04
776	3	152.20	2	1.214E+03	2.783E+00	-4.507E+03	-1.178E+02	-4.400E+02	8.321E+05	-4.432E-02	-1.962E-04
776	4	228.30	1	-1.223E+03	-5.470E+03	4.507E+03	1.178E+02	-3.427E+05	6.238E+05	-3.175E-02	-3.813E-02
776	4	228.30	2	1.214E+03	-5.464E+03	-4.507E+03	-1.178E+02	3.425E+05	6.243E+05	-3.176E-02	3.808E-02
776	5	304.40	1	-1.223E+03	-1.094E+04	4.507E+03	1.178E+02	-6.856E+05	-4.277E+02	-4.676E-09	1.043E-08
776	5	304.40	2	1.214E+03	-1.093E+04	-4.507E+03	-1.178E+02	6.855E+05	4.271E+02	-4.678E-09	-1.042E-08
777	1	0.00	1	-1.810E+03	1.426E+04	5.688E+03	1.230E+02	8.656E+05	8.448E+02	0.000E+00	0.000E+00
777	1	0.00	2	1.812E+03	1.427E+04	-5.688E+03	-1.230E+02	-8.657E+05	-8.451E+02	0.000E+00	0.000E+00
777	2	76.10	1	-1.810E+03	7.128E+03	5.688E+03	1.230E+02	4.327E+05	8.147E+05	-4.145E-02	4.821E-02
777	2	76.10	2	1.812E+03	7.139E+03	-5.688E+03	-1.230E+02	-4.329E+05	8.139E+05	-4.143E-02	-4.827E-02
777	3	152.20	1	-1.810E+03	-5.553E+00	5.688E+03	1.230E+02	-1.299E+02	1.086E+06	-5.783E-02	-5.795E-05
777	3	152.20	2	1.812E+03	5.553E+00	-5.688E+03	-1.230E+02	-4.950E+01	1.086E+06	-5.783E-02	-2.206E-05
777	4	228.30	1	-1.810E+03	-7.139E+03	5.688E+03	1.230E+02	-4.330E+05	8.139E+05	-4.143E-02	-4.829E-02
777	4	228.30	2	1.812E+03	-7.128E+03	-5.688E+03	-1.230E+02	4.328E+05	8.147E+05	-4.145E-02	4.823E-02
777	5	304.40	1	-1.810E+03	-1.427E+04	5.688E+03	1.230E+02	-8.658E+05	-8.454E+02	1.344E-09	-2.924E-08
777	5	304.40	2	1.812E+03	-1.426E+04	-5.688E+03	-1.230E+02	8.656E+05	8.452E+02	1.348E-09	2.924E-08
778	1	0.00	1	-1.706E+03	1.593E+04	6.705E+03	1.296E+02	1.020E+06	1.000E+03	0.000E+00	0.000E+00
778	1	0.00	2	1.705E+03	1.594E+04	-6.705E+03	-1.296E+02	-1.021E+06	-1.001E+03	0.000E+00	0.000E+00
778	2	76.10	1	-1.706E+03	7.960E+03	6.705E+03	1.296E+02	5.101E+05	9.099E+05	-4.629E-02	5.684E-02
778	2	76.10	2	1.705E+03	7.973E+03	-6.705E+03	-1.296E+02	-5.103E+05	9.089E+05	-4.627E-02	-5.691E-02
778	3	152.20	1	-1.706E+03	-6.573E+00	6.705E+03	1.296E+02	-1.009E+02	1.213E+06	-6.458E-02	-4.499E-05
778	3	152.20	2	1.705E+03	6.573E+00	-6.705E+03	-1.296E+02	-1.006E+02	1.213E+06	-6.458E-02	-4.484E-05
778	4	228.30	1	-1.706E+03	-7.973E+03	6.705E+03	1.296E+02	-5.103E+05	9.089E+05	-4.627E-02	-5.691E-02
778	4	228.30	2	1.705E+03	-7.960E+03	-6.705E+03	-1.296E+02	5.101E+05	9.099E+05	-4.629E-02	5.684E-02
778	5	304.40	1	-1.706E+03	-1.594E+04	6.705E+03	1.296E+02	-1.021E+06	-1.001E+03	2.864E-09	2.492E-08
778	5	304.40	2	1.705E+03	-1.593E+04	-6.705E+03	-1.296E+02	1.020E+06	1.000E+03	2.846E-09	-2.490E-08
779	1	0.00	1	-1.813E+03	1.426E+04	7.233E+03	1.379E+02	1.101E+06	1.080E+03	0.000E+00	0.000E+00
779	1	0.00	2	1.818E+03	1.427E+04	-7.233E+03	-1.379E+02	-1.101E+06	-1.080E+03	0.000E+00	0.000E+00
779	2	76.10	1	-1.813E+03	7.126E+03	7.233E+03	1.379E+02	5.503E+05	8.148E+05	-4.145E-02	6.134E-02
779	2	76.10	2	1.818E+03	7.141E+03	-7.233E+03	-1.379E+02	-5.505E+05	8.137E+05	-4.143E-02	-6.140E-02
779	3	152.20	1	-1.813E+03	-7.097E+00	7.233E+03	1.379E+02	-4.916E+01	1.086E+06	-5.783E-02	-2.193E-05
779	3	152.20	2	1.818E+03	7.097E+00	-7.233E+03	-1.379E+02	-1.345E+02	1.086E+06	-5.783E-02	-5.996E-05
779	4	228.30	1	-1.813E+03	-7.141E+03	7.233E+03	1.379E+02	-5.504E+05	8.137E+05	-4.143E-02	-6.137E-02
779	4	228.30	2	1.818E+03	-7.126E+03	-7.233E+03	-1.379E+02	5.503E+05	8.148E+05	-4.145E-02	6.131E-02
779	5	304.40	1	-1.813E+03	-1.427E+04	7.233E+03	1.379E+02	-1.101E+06	-1.080E+03	1.691E-09	-3.625E-08
779	5	304.40	2	1.818E+03	-1.426E+04	-7.233E+03	-1.379E+02	1.101E+06	1.080E+03	1.691E-09	3.625E-08
780	1	0.00	1	-1.212E+03	1.093E+04	6.914E+03	1.478E+02	1.052E+06	7.964E+02	0.000E+00	0.000E+00
780	1	0.00	2	1.195E+03	1.094E+04	-6.914E+03	-1.478E+02	-1.052E+06	-7.965E+02	0.000E+00	0.000E+00
780	2	76.10	1	-1.212E+03	5.462E+03	6.914E+03	1.478E+02	5.257E+05	6.244E+05	-3.176E-02	5.850E-02
780	2	76.10	2	1.195E+03	5.472E+03	-6.914E+03	-1.478E+02	-5.258E+05	6.236E+05	-3.175E-02	-5.854E-02
780	3	152.20	1	-1.212E+03	-5.210E+00	6.914E+03	1.478E+02	-4.423E+02	8.321E+05	-4.432E-02	-1.972E-04
780	3	152.20	2	1.195E+03	5.210E+00	-6.914E+03	-1.478E+02	3.228E+02	8.320E+05	-4.432E-02	1.439E-04
780	4	228.30	1	-1.212E+03	-5.472E+03	6.914E+03	1.478E+02	-5.266E+05	6.236E+05	-3.175E-02	-5.880E-02
780	4	228.30	2	1.195E+03	-5.462E+03	-6.914E+03	-1.478E+02	5.265E+05	6.244E+05	-3.176E-02	5.876E-02
780	5	304.40	1	-1.212E+03	-1.094E+04	6.914E+03	1.478E+02	-1.053E+06	-7.894E+02	4.137E-09	-1.854E-09
780	5	304.40	2	1.195E+03	-1.093E+04	-6.914E+03	-1.478E+02	1.053E+06	7.893E+02	4.131E-09	1.850E-09
1001	1	0.00	1	-6.534E+04	6.754E+04	8.583E+03	0.000E+00	3.013E+05	-2.370E+06	0.000E+00	0.000E+00
1001	1	0.00	2	-6.547E+04	-6.754E+04	-8.839E+03	0.000E+00	-3.102E+05	2.370E+06	0.000E+00	0.000E+00

1001	2	8.77	1	-6.527E+04	6.754E+04	8.583E+03	0.000E+00	2.259E+05	-1.778E+06	1.913E-03	2.431E-04
1001	2	8.77	2	-6.541E+04	-6.754E+04	-8.839E+03	0.000E+00	-2.327E+05	1.778E+06	-1.913E-03	-2.503E-04
1001	3	17.54	1	-6.521E+04	6.754E+04	8.583E+03	0.000E+00	1.506E+05	-1.185E+06	2.186E-03	2.778E-04
1001	3	17.54	2	-6.535E+04	-6.754E+04	-8.839E+03	0.000E+00	-1.551E+05	1.185E+06	-2.186E-03	-2.861E-04
1001	4	26.31	1	-6.515E+04	6.754E+04	8.583E+03	0.000E+00	7.531E+04	-5.926E+05	1.366E-03	1.736E-04
1001	4	26.31	2	-6.528E+04	-6.754E+04	-8.839E+03	0.000E+00	-7.756E+04	5.926E+05	-1.366E-03	-1.788E-04
1001	5	35.08	1	-6.508E+04	6.754E+04	8.583E+03	0.000E+00	-1.903E-12	2.013E-09	-3.965E-11	3.683E-11
1001	5	35.08	2	-6.522E+04	-6.754E+04	-8.839E+03	0.000E+00	-1.903E-12	6.163E-10	3.965E-11	-3.814E-11
1002	1	0.00	1	-6.547E+04	-6.754E+04	8.549E+03	0.000E+00	3.001E+05	2.370E+06	0.000E+00	0.000E+00
1002	1	0.00	2	-6.534E+04	6.754E+04	-8.293E+03	0.000E+00	-2.911E+05	-2.370E+06	0.000E+00	0.000E+00
1002	2	8.77	1	-6.541E+04	-6.754E+04	8.549E+03	0.000E+00	2.250E+05	1.778E+06	-1.913E-03	2.421E-04
1002	2	8.77	2	-6.527E+04	6.754E+04	-8.293E+03	0.000E+00	-2.183E+05	-1.778E+06	1.913E-03	-2.349E-04
1002	3	17.54	1	-6.535E+04	-6.754E+04	8.549E+03	0.000E+00	1.500E+05	1.185E+06	-2.186E-03	2.767E-04
1002	3	17.54	2	-6.521E+04	6.754E+04	-8.293E+03	0.000E+00	-1.455E+05	-1.185E+06	2.186E-03	-2.684E-04
1002	4	26.31	1	-6.528E+04	-6.754E+04	8.549E+03	0.000E+00	7.501E+04	5.926E+05	-1.366E-03	1.729E-04
1002	4	26.31	2	-6.515E+04	6.754E+04	-8.293E+03	0.000E+00	-7.277E+04	-5.926E+05	1.366E-03	-1.678E-04
1002	5	35.08	1	-6.522E+04	-6.754E+04	8.549E+03	0.000E+00	4.394E-11	3.780E-10	3.965E-11	1.568E-10
1002	5	35.08	2	-6.508E+04	6.754E+04	-8.293E+03	0.000E+00	-4.337E-11	1.775E-09	-3.965E-11	-1.555E-10
1003	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1003	1	0.00	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1003	2	1.98	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1003	2	1.98	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1003	3	3.96	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1003	3	3.96	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1003	4	5.94	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1003	4	5.94	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1003	5	7.92	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1003	5	7.92	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1004	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1004	1	0.00	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1004	2	1.98	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1004	2	1.98	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1004	3	3.96	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1004	3	3.96	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1004	4	5.94	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1004	4	5.94	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1004	5	7.92	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1004	5	7.92	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1005	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1005	1	0.00	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1005	2	2.02	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1005	2	2.02	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1005	3	4.04	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1005	3	4.04	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1005	4	6.06	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1005	4	6.06	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1005	5	8.08	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1005	5	8.08	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1006	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1006	1	0.00	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1006	2	2.02	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1006	2	2.02	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1006	3	4.04	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1006	3	4.04	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1006	4	6.06	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1006	4	6.06	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1006	5	8.08	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1006	5	8.08	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1007	1	0.00	1	-6.528E+04	-6.754E+04	2.600E+04	0.000E+00	2.054E+05	5.335E+05	0.000E+00	0.000E+00
1007	1	0.00	2	-6.514E+04	6.754E+04	8.367E+03	0.000E+00	6.610E+04	-5.335E+05	0.000E+00	0.000E+00
1007	2	1.98	1	-6.526E+04	-6.754E+04	2.600E+04	0.000E+00	1.541E+05	4.001E+05	-2.181E-05	8.397E-06
1007	2	1.98	2	-6.513E+04	6.754E+04	8.367E+03	0.000E+00	4.957E+04	-4.001E+05	2.181E-05	2.702E-06

1007	3	3.96	1	-6.525E+04	-6.754E+04	2.600E+04	0.000E+00	1.027E+05	2.668E+05	-2.492E-05	9.597E-06
1007	3	3.96	2	-6.511E+04	6.754E+04	8.367E+03	0.000E+00	3.305E+04	-2.668E+05	2.492E-05	3.088E-06
1007	4	5.94	1	-6.523E+04	-6.754E+04	2.600E+04	0.000E+00	5.136E+04	1.334E+05	-1.558E-05	5.998E-06
1007	4	5.94	2	-6.510E+04	6.754E+04	8.367E+03	0.000E+00	1.652E+04	-1.334E+05	1.558E-05	1.930E-06
1007	5	7.92	1	-6.522E+04	-6.754E+04	2.600E+04	0.000E+00	6.652E-08	-2.428E-08	1.967E-12	-5.469E-13
1007	5	7.92	2	-6.508E+04	6.754E+04	8.367E+03	0.000E+00	-6.091E-08	2.304E-08	-1.967E-12	1.391E-13
1008	1	0.00	1	-6.514E+04	6.754E+04	-8.873E+03	0.000E+00	-7.010E+04	-5.335E+05	0.000E+00	0.000E+00
1008	1	0.00	2	-6.528E+04	-6.754E+04	-2.550E+04	0.000E+00	-2.014E+05	5.335E+05	0.000E+00	0.000E+00
1008	2	1.98	1	-6.513E+04	6.754E+04	-8.873E+03	0.000E+00	-5.257E+04	-4.001E+05	2.181E-05	-2.865E-06
1008	2	1.98	2	-6.526E+04	-6.754E+04	-2.550E+04	0.000E+00	-1.511E+05	4.001E+05	-2.181E-05	-8.234E-06
1008	3	3.96	1	-6.511E+04	6.754E+04	-8.873E+03	0.000E+00	-3.505E+04	-2.668E+05	2.492E-05	-3.275E-06
1008	3	3.96	2	-6.525E+04	-6.754E+04	-2.550E+04	0.000E+00	-1.007E+05	2.668E+05	-2.492E-05	-9.410E-06
1008	4	5.94	1	-6.510E+04	6.754E+04	-8.873E+03	0.000E+00	-1.752E+04	-1.334E+05	1.558E-05	-2.047E-06
1008	4	5.94	2	-6.523E+04	-6.754E+04	-2.550E+04	0.000E+00	-5.036E+04	1.334E+05	-1.558E-05	-5.881E-06
1008	5	7.92	1	-6.508E+04	6.754E+04	-8.873E+03	0.000E+00	-5.650E-08	2.360E-08	-1.967E-12	1.069E-12
1008	5	7.92	2	-6.522E+04	-6.754E+04	-2.550E+04	0.000E+00	5.076E-08	-2.477E-08	1.967E-12	-6.609E-13
1009	1	0.00	1	-6.514E+04	6.754E+04	2.636E+04	0.000E+00	2.135E+05	-5.470E+05	0.000E+00	0.000E+00
1009	1	0.00	2	-6.528E+04	-6.754E+04	8.728E+03	0.000E+00	7.069E+04	5.470E+05	0.000E+00	0.000E+00
1009	2	2.02	1	-6.513E+04	6.754E+04	2.636E+04	0.000E+00	1.602E+05	-4.103E+05	2.351E-05	9.176E-06
1009	2	2.02	2	-6.526E+04	-6.754E+04	8.728E+03	0.000E+00	5.302E+04	4.103E+05	-2.351E-05	3.038E-06
1009	3	4.04	1	-6.511E+04	6.754E+04	2.636E+04	0.000E+00	1.068E+05	-2.735E+05	2.687E-05	1.049E-05
1009	3	4.04	2	-6.525E+04	-6.754E+04	8.728E+03	0.000E+00	3.535E+04	2.735E+05	-2.687E-05	3.472E-06
1009	4	6.06	1	-6.510E+04	6.754E+04	2.636E+04	0.000E+00	5.339E+04	-1.368E+05	1.679E-05	6.555E-06
1009	4	6.06	2	-6.523E+04	-6.754E+04	8.728E+03	0.000E+00	1.767E+04	1.368E+05	-1.679E-05	2.170E-06
1009	5	8.08	1	-6.509E+04	6.754E+04	2.636E+04	0.000E+00	2.808E-08	-3.860E-10	-7.598E-12	-2.110E-12
1009	5	8.08	2	-6.522E+04	-6.754E+04	8.728E+03	0.000E+00	-2.778E-08	4.871E-10	7.598E-12	-3.591E-12
1010	1	0.00	1	-6.528E+04	-6.754E+04	-9.232E+03	0.000E+00	-7.478E+04	5.470E+05	0.000E+00	0.000E+00
1010	1	0.00	2	-6.514E+04	6.754E+04	-2.586E+04	0.000E+00	-2.095E+05	-5.470E+05	0.000E+00	0.000E+00
1010	2	2.02	1	-6.526E+04	-6.754E+04	-9.232E+03	0.000E+00	-5.609E+04	4.103E+05	-2.351E-05	-3.213E-06
1010	2	2.02	2	-6.513E+04	6.754E+04	-2.586E+04	0.000E+00	-1.571E+05	-4.103E+05	2.351E-05	-9.001E-06
1010	3	4.04	1	-6.525E+04	-6.754E+04	-9.232E+03	0.000E+00	-3.739E+04	2.735E+05	-2.687E-05	-3.673E-06
1010	3	4.04	2	-6.511E+04	6.754E+04	-2.586E+04	0.000E+00	-1.047E+05	-2.735E+05	2.687E-05	-1.029E-05
1010	4	6.06	1	-6.523E+04	-6.754E+04	-9.232E+03	0.000E+00	-1.870E+04	1.368E+05	-1.679E-05	-2.295E-06
1010	4	6.06	2	-6.510E+04	6.754E+04	-2.586E+04	0.000E+00	-5.236E+04	-1.368E+05	1.679E-05	-6.429E-06
1010	5	8.08	1	-6.522E+04	-6.754E+04	-9.232E+03	0.000E+00	8.484E-09	-3.197E-10	7.598E-12	2.636E-12
1010	5	8.08	2	-6.509E+04	6.754E+04	-2.586E+04	0.000E+00	-9.371E-09	3.788E-10	-7.598E-12	3.065E-12
1011	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1011	1	0.00	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1011	2	1.98	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1011	2	1.98	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1011	3	3.96	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1011	3	3.96	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1011	4	5.94	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1011	4	5.94	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1011	5	7.92	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1011	5	7.92	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1012	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1012	1	0.00	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1012	2	1.98	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1012	2	1.98	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1012	3	3.96	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1012	3	3.96	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1012	4	5.94	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1012	4	5.94	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1012	5	7.92	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1012	5	7.92	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1013	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1013	1	0.00	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1013	2	2.02	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1013	2	2.02	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1013	3	4.04	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1013	3	4.04	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

1013	4	6.06	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1013	4	6.06	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1013	5	8.08	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1013	5	8.08	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1014	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1014	1	0.00	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1014	2	2.02	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1014	2	2.02	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1014	3	4.04	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1014	3	4.04	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1014	4	6.06	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1014	4	6.06	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1014	5	8.08	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1014	5	8.08	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1015	1	0.00	1	-6.528E+04	-6.754E+04	2.600E+04	0.000E+00	2.054E+05	5.335E+05	0.000E+00	0.000E+00
1015	1	0.00	2	-6.514E+04	6.754E+04	8.367E+03	0.000E+00	6.610E+04	-5.335E+05	0.000E+00	0.000E+00
1015	2	1.98	1	-6.526E+04	-6.754E+04	2.600E+04	0.000E+00	1.541E+05	4.001E+05	-2.181E-05	8.397E-06
1015	2	1.98	2	-6.513E+04	6.754E+04	8.367E+03	0.000E+00	4.957E+04	-4.001E+05	2.181E-05	2.702E-06
1015	3	3.96	1	-6.525E+04	-6.754E+04	2.600E+04	0.000E+00	1.027E+05	2.668E+05	-2.492E-05	9.597E-06
1015	3	3.96	2	-6.511E+04	6.754E+04	8.367E+03	0.000E+00	3.305E+04	-2.668E+05	2.492E-05	3.088E-06
1015	4	5.94	1	-6.523E+04	-6.754E+04	2.600E+04	0.000E+00	5.136E+04	1.334E+05	-1.558E-05	5.998E-06
1015	4	5.94	2	-6.510E+04	6.754E+04	8.367E+03	0.000E+00	1.652E+04	-1.334E+05	1.558E-05	1.930E-06
1015	5	7.92	1	-6.522E+04	-6.754E+04	2.600E+04	0.000E+00	-2.366E-08	-5.395E-09	1.967E-12	-5.470E-13
1015	5	7.92	2	-6.508E+04	6.754E+04	8.367E+03	0.000E+00	2.995E-08	4.209E-09	-1.967E-12	1.392E-13
1016	1	0.00	1	-6.514E+04	6.754E+04	-8.873E+03	0.000E+00	-7.010E+04	-5.335E+05	0.000E+00	0.000E+00
1016	1	0.00	2	-6.528E+04	-6.754E+04	-2.550E+04	0.000E+00	-2.014E+05	5.335E+05	0.000E+00	0.000E+00
1016	2	1.98	1	-6.513E+04	6.754E+04	-8.873E+03	0.000E+00	-5.257E+04	-4.001E+05	2.181E-05	-2.865E-06
1016	2	1.98	2	-6.526E+04	-6.754E+04	-2.550E+04	0.000E+00	-1.511E+05	4.001E+05	-2.181E-05	-8.234E-06
1016	3	3.96	1	-6.511E+04	6.754E+04	-8.873E+03	0.000E+00	-3.505E+04	-2.668E+05	2.492E-05	-3.275E-06
1016	3	3.96	2	-6.525E+04	-6.754E+04	-2.550E+04	0.000E+00	-1.007E+05	2.668E+05	-2.492E-05	-9.410E-06
1016	4	5.94	1	-6.510E+04	6.754E+04	-8.873E+03	0.000E+00	-1.752E+04	-1.334E+05	1.558E-05	-2.047E-06
1016	4	5.94	2	-6.523E+04	-6.754E+04	-2.550E+04	0.000E+00	-5.036E+04	1.334E+05	-1.558E-05	-5.881E-06
1016	5	7.92	1	-6.508E+04	6.754E+04	-8.873E+03	0.000E+00	3.593E-08	4.096E-09	-1.967E-12	1.069E-12
1016	5	7.92	2	-6.522E+04	-6.754E+04	-2.550E+04	0.000E+00	-4.232E-08	-5.333E-09	1.967E-12	-6.611E-13
1017	1	0.00	1	-6.514E+04	6.754E+04	2.636E+04	0.000E+00	2.135E+05	-5.470E+05	0.000E+00	0.000E+00
1017	1	0.00	2	-6.528E+04	-6.754E+04	8.728E+03	0.000E+00	7.069E+04	5.470E+05	0.000E+00	0.000E+00
1017	2	2.02	1	-6.513E+04	6.754E+04	2.636E+04	0.000E+00	1.602E+05	-4.103E+05	2.351E-05	9.176E-06
1017	2	2.02	2	-6.526E+04	-6.754E+04	8.728E+03	0.000E+00	5.302E+04	4.103E+05	-2.351E-05	3.038E-06
1017	3	4.04	1	-6.511E+04	6.754E+04	2.636E+04	0.000E+00	1.068E+05	-2.735E+05	2.687E-05	1.049E-05
1017	3	4.04	2	-6.525E+04	-6.754E+04	8.728E+03	0.000E+00	3.535E+04	2.735E+05	-2.687E-05	3.472E-06
1017	4	6.06	1	-6.510E+04	6.754E+04	2.636E+04	0.000E+00	5.339E+04	-1.368E+05	1.679E-05	6.555E-06
1017	4	6.06	2	-6.523E+04	-6.754E+04	8.728E+03	0.000E+00	1.767E+04	1.368E+05	-1.679E-05	2.170E-06
1017	5	8.08	1	-6.509E+04	6.754E+04	2.636E+04	0.000E+00	-1.376E-08	-5.534E-10	-7.598E-12	-2.110E-12
1017	5	8.08	2	-6.522E+04	-6.754E+04	8.728E+03	0.000E+00	1.743E-08	1.193E-09	7.598E-12	-3.590E-12
1018	1	0.00	1	-6.528E+04	-6.754E+04	-9.232E+03	0.000E+00	-7.478E+04	5.470E+05	0.000E+00	0.000E+00
1018	1	0.00	2	-6.514E+04	6.754E+04	-2.586E+04	0.000E+00	-2.095E+05	-5.470E+05	0.000E+00	0.000E+00
1018	2	2.02	1	-6.526E+04	-6.754E+04	-9.232E+03	0.000E+00	-5.609E+04	4.103E+05	-2.351E-05	-3.213E-06
1018	2	2.02	2	-6.513E+04	6.754E+04	-2.586E+04	0.000E+00	-1.571E+05	-4.103E+05	2.351E-05	-9.001E-06
1018	3	4.04	1	-6.525E+04	-6.754E+04	-9.232E+03	0.000E+00	-3.739E+04	2.735E+05	-2.687E-05	-3.673E-06
1018	3	4.04	2	-6.511E+04	6.754E+04	-2.586E+04	0.000E+00	-1.047E+05	-2.735E+05	2.687E-05	-1.029E-05
1018	4	6.06	1	-6.523E+04	-6.754E+04	-9.232E+03	0.000E+00	-1.870E+04	1.368E+05	-1.679E-05	-2.295E-06
1018	4	6.06	2	-6.510E+04	6.754E+04	-2.586E+04	0.000E+00	-5.236E+04	-1.368E+05	1.679E-05	-6.429E-06
1018	5	8.08	1	-6.522E+04	-6.754E+04	-9.232E+03	0.000E+00	9.465E-08	8.443E-10	7.598E-12	2.636E-12
1018	5	8.08	2	-6.509E+04	6.754E+04	-2.586E+04	0.000E+00	-9.768E-08	-2.035E-10	-7.598E-12	3.064E-12
1019	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1019	1	0.00	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1019	2	1.98	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1019	2	1.98	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1019	3	3.96	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1019	3	3.96	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1019	4	5.94	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1019	4	5.94	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

1019	5	7.92	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1019	5	7.92	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1020	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1020	1	0.00	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1020	2	1.98	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1020	2	1.98	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1020	3	3.96	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1020	3	3.96	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1020	4	5.94	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1020	4	5.94	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1020	5	7.92	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1020	5	7.92	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1021	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1021	1	0.00	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1021	2	2.02	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1021	2	2.02	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1021	3	4.04	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1021	3	4.04	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1021	4	6.06	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1021	4	6.06	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1021	5	8.08	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1021	5	8.08	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1022	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1022	1	0.00	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1022	2	2.02	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1022	2	2.02	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1022	3	4.04	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1022	3	4.04	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1022	4	6.06	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1022	4	6.06	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1022	5	8.08	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1022	5	8.08	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1023	1	0.00	1	-6.528E+04	-6.754E+04	2.600E+04	0.000E+00	2.054E+05	5.335E+05	0.000E+00	0.000E+00
1023	1	0.00	2	-6.514E+04	6.754E+04	8.367E+03	0.000E+00	6.610E+04	-5.335E+05	0.000E+00	0.000E+00
1023	2	1.98	1	-6.526E+04	-6.754E+04	2.600E+04	0.000E+00	1.541E+05	4.001E+05	-2.181E-05	8.397E-06
1023	2	1.98	2	-6.513E+04	6.754E+04	8.367E+03	0.000E+00	4.957E+04	-4.001E+05	2.181E-05	2.702E-06
1023	3	3.96	1	-6.525E+04	-6.754E+04	2.600E+04	0.000E+00	1.027E+05	2.668E+05	-2.492E-05	9.597E-06
1023	3	3.96	2	-6.511E+04	6.754E+04	8.367E+03	0.000E+00	3.305E+04	-2.668E+05	2.492E-05	3.088E-06
1023	4	5.94	1	-6.523E+04	-6.754E+04	2.600E+04	0.000E+00	5.136E+04	1.334E+05	-1.558E-05	5.998E-06
1023	4	5.94	2	-6.510E+04	6.754E+04	8.367E+03	0.000E+00	1.652E+04	-1.334E+05	1.558E-05	1.930E-06
1023	5	7.92	1	-6.522E+04	-6.754E+04	2.600E+04	0.000E+00	-2.944E-09	-2.036E-08	1.966E-12	-5.469E-13
1023	5	7.92	2	-6.508E+04	6.754E+04	8.367E+03	0.000E+00	1.356E-09	2.068E-08	-1.966E-12	1.391E-13
1024	1	0.00	1	-6.514E+04	6.754E+04	-8.873E+03	0.000E+00	-7.010E+04	-5.335E+05	0.000E+00	0.000E+00
1024	1	0.00	2	-6.528E+04	-6.754E+04	-2.550E+04	0.000E+00	-2.014E+05	5.335E+05	0.000E+00	0.000E+00
1024	2	1.98	1	-6.513E+04	6.754E+04	-8.873E+03	0.000E+00	-5.257E+04	-4.001E+05	2.181E-05	-2.865E-06
1024	2	1.98	2	-6.526E+04	-6.754E+04	-2.550E+04	0.000E+00	-1.511E+05	4.001E+05	-2.181E-05	-8.234E-06
1024	3	3.96	1	-6.511E+04	6.754E+04	-8.873E+03	0.000E+00	-3.505E+04	-2.668E+05	2.492E-05	-3.275E-06
1024	3	3.96	2	-6.525E+04	-6.754E+04	-2.550E+04	0.000E+00	-1.007E+05	2.668E+05	-2.492E-05	-9.410E-06
1024	4	5.94	1	-6.510E+04	6.754E+04	-8.873E+03	0.000E+00	-1.752E+04	-1.334E+05	1.558E-05	-2.047E-06
1024	4	5.94	2	-6.523E+04	-6.754E+04	-2.550E+04	0.000E+00	-5.036E+04	1.334E+05	-1.558E-05	-5.881E-06
1024	5	7.92	1	-6.508E+04	6.754E+04	-8.873E+03	0.000E+00	-5.877E-09	1.089E-07	-1.966E-12	1.069E-12
1024	5	7.92	2	-6.522E+04	-6.754E+04	-2.550E+04	0.000E+00	7.634E-09	-1.087E-07	1.966E-12	-6.610E-13
1025	1	0.00	1	-6.514E+04	6.754E+04	2.636E+04	0.000E+00	2.135E+05	-5.470E+05	0.000E+00	0.000E+00
1025	1	0.00	2	-6.528E+04	-6.754E+04	8.728E+03	0.000E+00	7.069E+04	5.470E+05	0.000E+00	0.000E+00
1025	2	2.02	1	-6.513E+04	6.754E+04	2.636E+04	0.000E+00	1.602E+05	-4.103E+05	2.351E-05	9.176E-06
1025	2	2.02	2	-6.526E+04	-6.754E+04	8.728E+03	0.000E+00	5.302E+04	4.103E+05	-2.351E-05	3.038E-06
1025	3	4.04	1	-6.511E+04	6.754E+04	2.636E+04	0.000E+00	1.068E+05	-2.735E+05	2.687E-05	1.049E-05
1025	3	4.04	2	-6.525E+04	-6.754E+04	8.728E+03	0.000E+00	3.535E+04	2.735E+05	-2.687E-05	3.472E-06
1025	4	6.06	1	-6.510E+04	6.754E+04	2.636E+04	0.000E+00	5.339E+04	-1.368E+05	1.679E-05	6.555E-06
1025	4	6.06	2	-6.523E+04	-6.754E+04	8.728E+03	0.000E+00	1.767E+04	1.368E+05	-1.679E-05	2.170E-06
1025	5	8.08	1	-6.509E+04	6.754E+04	2.636E+04	0.000E+00	-1.538E-08	7.733E-08	-7.597E-12	-2.110E-12
1025	5	8.08	2	-6.522E+04	-6.754E+04	8.728E+03	0.000E+00	1.594E-08	-7.704E-08	7.597E-12	-3.590E-12

1026	1	0.00	1	-6.528E+04	-6.754E+04	-9.232E+03	0.000E+00	-7.478E+04	5.470E+05	0.000E+00	0.000E+00
1026	1	0.00	2	-6.514E+04	6.754E+04	-2.586E+04	0.000E+00	-2.095E+05	-5.470E+05	0.000E+00	0.000E+00
1026	2	2.02	1	-6.526E+04	-6.754E+04	-9.232E+03	0.000E+00	-5.609E+04	4.103E+05	-2.351E-05	-3.213E-06
1026	2	2.02	2	-6.513E+04	6.754E+04	-2.586E+04	0.000E+00	-1.571E+05	-4.103E+05	2.351E-05	-9.001E-06
1026	3	4.04	1	-6.525E+04	-6.754E+04	-9.232E+03	0.000E+00	-3.739E+04	2.735E+05	-2.687E-05	-3.673E-06
1026	3	4.04	2	-6.511E+04	6.754E+04	-2.586E+04	0.000E+00	-1.047E+05	-2.735E+05	2.687E-05	-1.029E-05
1026	4	6.06	1	-6.523E+04	-6.754E+04	-9.232E+03	0.000E+00	-1.870E+04	1.368E+05	-1.679E-05	-2.295E-06
1026	4	6.06	2	-6.510E+04	6.754E+04	-2.586E+04	0.000E+00	-5.236E+04	-1.368E+05	1.679E-05	-6.429E-06
1026	5	8.08	1	-6.522E+04	-6.754E+04	-9.232E+03	0.000E+00	6.866E-09	1.117E-07	7.598E-12	2.636E-12
1026	5	8.08	2	-6.509E+04	6.754E+04	-2.586E+04	0.000E+00	-6.514E-09	-1.117E-07	-7.598E-12	3.064E-12
1027	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1027	1	0.00	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1027	2	1.98	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1027	2	1.98	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1027	3	3.96	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1027	3	3.96	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1027	4	5.94	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1027	4	5.94	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1027	5	7.92	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1027	5	7.92	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1028	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1028	1	0.00	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1028	2	1.98	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1028	2	1.98	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1028	3	3.96	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1028	3	3.96	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1028	4	5.94	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1028	4	5.94	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1028	5	7.92	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1028	5	7.92	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1029	1	0.00	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1029	1	0.00	2	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1029	2	2.02	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1029	2	2.02	2	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1029	3	4.04	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1029	3	4.04	2	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1029	4	6.06	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1029	4	6.06	2	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1029	5	8.08	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1029	5	8.08	2	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1030	1	0.00	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1030	1	0.00	2	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1030	2	2.02	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1030	2	2.02	2	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1030	3	4.04	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1030	3	4.04	2	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1030	4	6.06	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1030	4	6.06	2	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1030	5	8.08	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1030	5	8.08	2	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1031	1	0.00	1	-6.618E+04	-6.754E+04	2.623E+04	0.000E+00	2.072E+05	5.335E+05	0.000E+00	0.000E+00
1031	1	0.00	2	-6.604E+04	6.754E+04	8.596E+03	0.000E+00	6.791E+04	-5.335E+05	0.000E+00	0.000E+00
1031	2	1.98	1	-6.616E+04	-6.754E+04	2.623E+04	0.000E+00	1.554E+05	4.001E+05	-2.181E-05	8.472E-06
1031	2	1.98	2	-6.603E+04	6.754E+04	8.596E+03	0.000E+00	5.093E+04	-4.001E+05	2.181E-05	2.776E-06
1031	3	3.96	1	-6.615E+04	-6.754E+04	2.623E+04	0.000E+00	1.036E+05	2.668E+05	-2.492E-05	9.682E-06
1031	3	3.96	2	-6.601E+04	6.754E+04	8.596E+03	0.000E+00	3.396E+04	-2.668E+05	2.492E-05	3.172E-06
1031	4	5.94	1	-6.613E+04	-6.754E+04	2.623E+04	0.000E+00	5.181E+04	1.334E+05	-1.558E-05	6.051E-06
1031	4	5.94	2	-6.600E+04	6.754E+04	8.596E+03	0.000E+00	1.698E+04	-1.334E+05	1.558E-05	1.983E-06
1031	5	7.92	1	-6.612E+04	-6.754E+04	2.623E+04	0.000E+00	-6.640E-08	8.155E-09	1.967E-12	-5.182E-13
1031	5	7.92	2	-6.598E+04	6.754E+04	8.596E+03	0.000E+00	7.327E-08	-9.307E-09	-1.967E-12	1.679E-13
1032	1	0.00	1	-6.604E+04	6.754E+04	-9.103E+03	0.000E+00	-7.191E+04	-5.335E+05	0.000E+00	0.000E+00
1032	1	0.00	2	-6.618E+04	-6.754E+04	-2.573E+04	0.000E+00	-2.032E+05	5.335E+05	0.000E+00	0.000E+00

1032	2	1.98	1	-6.603E+04	6.754E+04	-9.103E+03	0.000E+00	-5.393E+04	-4.001E+05	2.181E-05	-2.939E-06
1032	2	1.98	2	-6.616E+04	-6.754E+04	-2.573E+04	0.000E+00	-1.524E+05	4.001E+05	-2.181E-05	-8.308E-06
1032	3	3.96	1	-6.601E+04	6.754E+04	-9.103E+03	0.000E+00	-3.596E+04	-2.668E+05	2.492E-05	-3.359E-06
1032	3	3.96	2	-6.615E+04	-6.754E+04	-2.573E+04	0.000E+00	-1.016E+05	2.668E+05	-2.492E-05	-9.495E-06
1032	4	5.94	1	-6.600E+04	6.754E+04	-9.103E+03	0.000E+00	-1.798E+04	-1.334E+05	1.558E-05	-2.100E-06
1032	4	5.94	2	-6.613E+04	-6.754E+04	-2.573E+04	0.000E+00	-5.081E+04	1.334E+05	-1.558E-05	-5.934E-06
1032	5	7.92	1	-6.598E+04	6.754E+04	-9.103E+03	0.000E+00	-5.069E-08	1.278E-08	-1.967E-12	1.040E-12
1032	5	7.92	2	-6.612E+04	-6.754E+04	-2.573E+04	0.000E+00	4.428E-08	-1.393E-08	1.967E-12	-6.898E-13
1033	1	0.00	1	-6.604E+04	6.754E+04	2.660E+04	0.000E+00	2.154E+05	-5.470E+05	0.000E+00	0.000E+00
1033	1	0.00	2	-6.618E+04	-6.754E+04	8.962E+03	0.000E+00	7.259E+04	5.470E+05	0.000E+00	0.000E+00
1033	2	2.02	1	-6.603E+04	6.754E+04	2.660E+04	0.000E+00	1.616E+05	-4.103E+05	2.351E-05	9.258E-06
1033	2	2.02	2	-6.616E+04	-6.754E+04	8.962E+03	0.000E+00	5.444E+04	4.103E+05	-2.351E-05	3.119E-06
1033	3	4.04	1	-6.601E+04	6.754E+04	2.660E+04	0.000E+00	1.077E+05	-2.735E+05	2.687E-05	1.058E-05
1033	3	4.04	2	-6.615E+04	-6.754E+04	8.962E+03	0.000E+00	3.630E+04	2.735E+05	-2.687E-05	3.565E-06
1033	4	6.06	1	-6.600E+04	6.754E+04	2.660E+04	0.000E+00	5.386E+04	-1.368E+05	1.679E-05	6.613E-06
1033	4	6.06	2	-6.613E+04	-6.754E+04	8.962E+03	0.000E+00	1.815E+04	1.368E+05	-1.679E-05	2.228E-06
1033	5	8.08	1	-6.599E+04	6.754E+04	2.660E+04	0.000E+00	-1.540E-08	-1.019E-08	-7.598E-12	-2.165E-12
1033	5	8.08	2	-6.612E+04	-6.754E+04	8.962E+03	0.000E+00	1.592E-08	1.024E-08	7.598E-12	-3.645E-12
1034	1	0.00	1	-6.618E+04	-6.754E+04	-9.467E+03	0.000E+00	-7.668E+04	5.470E+05	0.000E+00	0.000E+00
1034	1	0.00	2	-6.604E+04	6.754E+04	-2.609E+04	0.000E+00	-2.114E+05	-5.470E+05	0.000E+00	0.000E+00
1034	2	2.02	1	-6.616E+04	6.754E+04	-9.467E+03	0.000E+00	-5.751E+04	4.103E+05	-2.351E-05	-3.295E-06
1034	2	2.02	2	-6.603E+04	-6.754E+04	-2.609E+04	0.000E+00	-1.585E+05	-4.103E+05	2.351E-05	-9.082E-06
1034	3	4.04	1	-6.615E+04	-6.754E+04	-9.467E+03	0.000E+00	-3.834E+04	2.735E+05	-2.687E-05	-3.766E-06
1034	3	4.04	2	-6.601E+04	6.754E+04	-2.609E+04	0.000E+00	-1.057E+05	-2.735E+05	2.687E-05	-1.038E-05
1034	4	6.06	1	-6.613E+04	-6.754E+04	-9.467E+03	0.000E+00	-1.917E+04	1.368E+05	-1.679E-05	-2.354E-06
1034	4	6.06	2	-6.600E+04	6.754E+04	-2.609E+04	0.000E+00	-5.284E+04	-1.368E+05	1.679E-05	-6.487E-06
1034	5	8.08	1	-6.612E+04	-6.754E+04	-9.467E+03	0.000E+00	-8.944E-10	-7.577E-09	7.598E-12	2.691E-12
1034	5	8.08	2	-6.599E+04	6.754E+04	-2.609E+04	0.000E+00	1.354E-09	7.616E-09	-7.598E-12	3.119E-12
1035	1	0.00	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1035	1	0.00	2	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1035	2	1.98	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1035	2	1.98	2	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1035	3	3.96	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1035	3	3.96	2	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1035	4	5.94	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1035	4	5.94	2	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1035	5	7.92	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1035	5	7.92	2	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1036	1	0.00	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1036	1	0.00	2	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1036	2	1.98	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1036	2	1.98	2	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1036	3	3.96	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1036	3	3.96	2	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1036	4	5.94	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1036	4	5.94	2	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1036	5	7.92	1	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1036	5	7.92	2	-6.605E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1037	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1037	1	0.00	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1037	2	2.02	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1037	2	2.02	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1037	3	4.04	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1037	3	4.04	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1037	4	6.06	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1037	4	6.06	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1037	5	8.08	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1037	5	8.08	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1038	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1038	1	0.00	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1038	2	2.02	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1038	2	2.02	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

1038	3	4.04	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1038	3	4.04	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1038	4	6.06	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1038	4	6.06	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1038	5	8.08	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1038	5	8.08	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1039	1	0.00	1	-6.528E+04	-6.754E+04	2.600E+04	0.000E+00	2.054E+05	5.335E+05	0.000E+00	0.000E+00
1039	1	0.00	2	-6.514E+04	6.754E+04	8.367E+03	0.000E+00	6.610E+04	-5.335E+05	0.000E+00	0.000E+00
1039	2	1.98	1	-6.526E+04	-6.754E+04	2.600E+04	0.000E+00	1.541E+05	4.001E+05	-2.181E-05	8.397E-06
1039	2	1.98	2	-6.513E+04	6.754E+04	8.367E+03	0.000E+00	4.957E+04	-4.001E+05	2.181E-05	2.702E-06
1039	3	3.96	1	-6.525E+04	-6.754E+04	2.600E+04	0.000E+00	1.027E+05	2.668E+05	-2.492E-05	9.597E-06
1039	3	3.96	2	-6.511E+04	6.754E+04	8.367E+03	0.000E+00	3.305E+04	-2.668E+05	2.492E-05	3.088E-06
1039	4	5.94	1	-6.523E+04	-6.754E+04	2.600E+04	0.000E+00	5.136E+04	1.334E+05	-1.558E-05	5.998E-06
1039	4	5.94	2	-6.510E+04	6.754E+04	8.367E+03	0.000E+00	1.652E+04	-1.334E+05	1.558E-05	1.930E-06
1039	5	7.92	1	-6.522E+04	-6.754E+04	2.600E+04	0.000E+00	-1.914E-08	-2.758E-10	1.967E-12	-5.469E-13
1039	5	7.92	2	-6.508E+04	6.754E+04	8.367E+03	0.000E+00	2.554E-08	-9.743E-10	-1.967E-12	1.391E-13
1040	1	0.00	1	-6.514E+04	6.754E+04	-8.873E+03	0.000E+00	-7.010E+04	-5.335E+05	0.000E+00	0.000E+00
1040	1	0.00	2	-6.528E+04	-6.754E+04	-2.550E+04	0.000E+00	-2.014E+05	5.335E+05	0.000E+00	0.000E+00
1040	2	1.98	1	-6.513E+04	6.754E+04	-8.873E+03	0.000E+00	-5.257E+04	-4.001E+05	2.181E-05	-2.865E-06
1040	2	1.98	2	-6.526E+04	-6.754E+04	-2.550E+04	0.000E+00	-1.511E+05	4.001E+05	-2.181E-05	-8.234E-06
1040	3	3.96	1	-6.511E+04	6.754E+04	-8.873E+03	0.000E+00	-3.505E+04	-2.668E+05	2.492E-05	-3.275E-06
1040	3	3.96	2	-6.525E+04	-6.754E+04	-2.550E+04	0.000E+00	-1.007E+05	2.668E+05	-2.492E-05	-9.410E-06
1040	4	5.94	1	-6.510E+04	6.754E+04	-8.873E+03	0.000E+00	-1.752E+04	-1.334E+05	1.558E-05	-2.047E-06
1040	4	5.94	2	-6.523E+04	-6.754E+04	-2.550E+04	0.000E+00	-5.036E+04	1.334E+05	-1.558E-05	-5.881E-06
1040	5	7.92	1	-6.508E+04	6.754E+04	-8.873E+03	0.000E+00	-1.450E-07	-8.520E-10	-1.967E-12	1.069E-12
1040	5	7.92	2	-6.522E+04	-6.754E+04	-2.550E+04	0.000E+00	1.388E-07	-3.282E-10	1.967E-12	-6.610E-13
1041	1	0.00	1	-6.514E+04	6.754E+04	2.636E+04	0.000E+00	2.135E+05	-5.470E+05	0.000E+00	0.000E+00
1041	1	0.00	2	-6.528E+04	-6.754E+04	8.728E+03	0.000E+00	7.069E+04	5.470E+05	0.000E+00	0.000E+00
1041	2	2.02	1	-6.513E+04	6.754E+04	2.636E+04	0.000E+00	1.602E+05	-4.103E+05	2.351E-05	9.176E-06
1041	2	2.02	2	-6.526E+04	-6.754E+04	8.728E+03	0.000E+00	5.302E+04	4.103E+05	-2.351E-05	3.038E-06
1041	3	4.04	1	-6.511E+04	6.754E+04	2.636E+04	0.000E+00	1.068E+05	-2.735E+05	2.687E-05	1.049E-05
1041	3	4.04	2	-6.525E+04	-6.754E+04	8.728E+03	0.000E+00	3.535E+04	2.735E+05	-2.687E-05	3.472E-06
1041	4	6.06	1	-6.510E+04	6.754E+04	2.636E+04	0.000E+00	5.339E+04	-1.368E+05	1.679E-05	6.555E-06
1041	4	6.06	2	-6.523E+04	-6.754E+04	8.728E+03	0.000E+00	1.767E+04	1.368E+05	-1.679E-05	2.170E-06
1041	5	8.08	1	-6.509E+04	6.754E+04	2.636E+04	0.000E+00	-1.648E-08	-7.049E-10	-7.598E-12	-2.110E-12
1041	5	8.08	2	-6.522E+04	-6.754E+04	8.728E+03	0.000E+00	1.707E-08	8.667E-10	7.598E-12	-3.591E-12
1042	1	0.00	1	-6.528E+04	-6.754E+04	-9.232E+03	0.000E+00	-7.478E+04	5.470E+05	0.000E+00	0.000E+00
1042	1	0.00	2	-6.514E+04	6.754E+04	-2.586E+04	0.000E+00	-2.095E+05	-5.470E+05	0.000E+00	0.000E+00
1042	2	2.02	1	-6.526E+04	-6.754E+04	-9.232E+03	0.000E+00	-5.609E+04	4.103E+05	-2.351E-05	-3.213E-06
1042	2	2.02	2	-6.513E+04	6.754E+04	-2.586E+04	0.000E+00	-1.571E+05	-4.103E+05	2.351E-05	-9.001E-06
1042	3	4.04	1	-6.525E+04	-6.754E+04	-9.232E+03	0.000E+00	-3.739E+04	2.735E+05	-2.687E-05	-3.673E-06
1042	3	4.04	2	-6.511E+04	6.754E+04	-2.586E+04	0.000E+00	-1.047E+05	-2.735E+05	2.687E-05	-1.029E-05
1042	4	6.06	1	-6.523E+04	-6.754E+04	-9.232E+03	0.000E+00	-1.870E+04	1.368E+05	-1.679E-05	-2.295E-06
1042	4	6.06	2	-6.510E+04	6.754E+04	-2.586E+04	0.000E+00	-5.236E+04	-1.368E+05	1.679E-05	-6.429E-06
1042	5	8.08	1	-6.522E+04	-6.754E+04	-9.232E+03	0.000E+00	9.672E-08	5.468E-10	7.598E-12	2.636E-12
1042	5	8.08	2	-6.509E+04	6.754E+04	-2.586E+04	0.000E+00	-9.772E-08	-6.756E-10	-7.598E-12	3.064E-12
1043	1	0.00	1	-6.547E+04	-6.754E+04	8.586E+03	0.000E+00	2.997E+05	2.357E+06	0.000E+00	0.000E+00
1043	1	0.00	2	-6.534E+04	6.754E+04	-8.838E+03	0.000E+00	-3.084E+05	-2.357E+06	0.000E+00	0.000E+00
1043	2	8.73	1	-6.541E+04	-6.754E+04	8.586E+03	0.000E+00	2.247E+05	1.768E+06	-1.880E-03	2.391E-04
1043	2	8.73	2	-6.527E+04	6.754E+04	-8.838E+03	0.000E+00	-2.313E+05	-1.768E+06	1.880E-03	-2.461E-04
1043	3	17.46	1	-6.534E+04	-6.754E+04	8.586E+03	0.000E+00	1.498E+05	1.178E+06	-2.149E-03	2.732E-04
1043	3	17.46	2	-6.521E+04	6.754E+04	-8.838E+03	0.000E+00	-1.542E+05	-1.178E+06	2.149E-03	-2.812E-04
1043	4	26.19	1	-6.528E+04	-6.754E+04	8.586E+03	0.000E+00	7.492E+04	5.892E+05	-1.343E-03	1.708E-04
1043	4	26.19	2	-6.515E+04	6.754E+04	-8.838E+03	0.000E+00	-7.711E+04	-5.892E+05	1.343E-03	-1.758E-04
1043	5	34.92	1	-6.522E+04	-6.754E+04	8.586E+03	0.000E+00	4.411E-11	1.922E-09	1.016E-09	2.176E-11
1043	5	34.92	2	-6.508E+04	6.754E+04	-8.838E+03	0.000E+00	-4.320E-11	5.249E-10	-1.016E-09	-2.686E-11
1044	1	0.00	1	-6.534E+04	6.754E+04	8.545E+03	0.000E+00	2.982E+05	-2.357E+06	0.000E+00	0.000E+00
1044	1	0.00	2	-6.547E+04	-6.754E+04	-8.294E+03	0.000E+00	-2.894E+05	2.357E+06	0.000E+00	0.000E+00
1044	2	8.73	1	-6.527E+04	6.754E+04	8.545E+03	0.000E+00	2.237E+05	-1.768E+06	1.880E-03	2.379E-04
1044	2	8.73	2	-6.541E+04	-6.754E+04	-8.294E+03	0.000E+00	-2.171E+05	1.768E+06	-1.880E-03	-2.309E-04
1044	3	17.46	1	-6.521E+04	6.754E+04	8.545E+03	0.000E+00	1.491E+05	-1.178E+06	2.149E-03	2.719E-04
1044	3	17.46	2	-6.534E+04	-6.754E+04	-8.294E+03	0.000E+00	-1.447E+05	1.178E+06	-2.149E-03	-2.639E-04

1044	4	26.19	1	-6.515E+04	6.754E+04	8.545E+03	0.000E+00	7.456E+04	-5.892E+05	1.343E-03	1.699E-04
1044	4	26.19	2	-6.528E+04	-6.754E+04	-8.294E+03	0.000E+00	-7.236E+04	5.892E+05	-1.343E-03	-1.649E-04
1044	5	34.92	1	-6.508E+04	6.754E+04	8.545E+03	0.000E+00	4.322E-11	1.479E-10	-1.016E-09	-7.836E-12
1044	5	34.92	2	-6.522E+04	-6.754E+04	-8.294E+03	0.000E+00	-4.409E-11	1.545E-09	1.016E-09	1.293E-11
1045	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1045	1	0.00	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1045	2	1.98	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1045	2	1.98	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1045	3	3.96	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1045	3	3.96	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1045	4	5.94	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1045	4	5.94	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1045	5	7.92	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1045	5	7.92	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1046	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1046	1	0.00	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1046	2	1.98	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1046	2	1.98	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1046	3	3.96	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1046	3	3.96	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1046	4	5.94	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1046	4	5.94	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1046	5	7.92	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1046	5	7.92	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1047	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1047	1	0.00	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1047	2	2.02	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1047	2	2.02	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1047	3	4.04	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1047	3	4.04	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1047	4	6.06	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1047	4	6.06	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1047	5	8.08	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1047	5	8.08	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1048	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1048	1	0.00	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1048	2	2.02	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1048	2	2.02	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1048	3	4.04	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1048	3	4.04	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1048	4	6.06	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1048	4	6.06	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1048	5	8.08	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1048	5	8.08	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1049	1	0.00	1	-6.528E+04	-6.754E+04	2.600E+04	0.000E+00	2.054E+05	5.335E+05	0.000E+00	0.000E+00
1049	1	0.00	2	-6.514E+04	6.754E+04	8.367E+03	0.000E+00	6.610E+04	-5.335E+05	0.000E+00	0.000E+00
1049	2	1.98	1	-6.526E+04	-6.754E+04	2.600E+04	0.000E+00	1.541E+05	4.001E+05	-2.181E-05	8.397E-06
1049	2	1.98	2	-6.513E+04	6.754E+04	8.367E+03	0.000E+00	4.957E+04	-4.001E+05	2.181E-05	2.702E-06
1049	3	3.96	1	-6.525E+04	-6.754E+04	2.600E+04	0.000E+00	1.027E+05	2.668E+05	-2.492E-05	9.597E-06
1049	3	3.96	2	-6.511E+04	6.754E+04	8.367E+03	0.000E+00	3.305E+04	-2.668E+05	2.492E-05	3.088E-06
1049	4	5.94	1	-6.523E+04	-6.754E+04	2.600E+04	0.000E+00	5.136E+04	1.334E+05	-1.558E-05	5.998E-06
1049	4	5.94	2	-6.510E+04	6.754E+04	8.367E+03	0.000E+00	1.652E+04	-1.334E+05	1.558E-05	1.930E-06
1049	5	7.92	1	-6.522E+04	-6.754E+04	2.600E+04	0.000E+00	-1.896E-08	-1.837E-07	1.966E-12	-5.469E-13
1049	5	7.92	2	-6.508E+04	6.754E+04	8.367E+03	0.000E+00	2.572E-08	1.826E-07	-1.966E-12	1.390E-13
1050	1	0.00	1	-6.514E+04	6.754E+04	-8.873E+03	0.000E+00	-7.010E+04	-5.335E+05	0.000E+00	0.000E+00
1050	1	0.00	2	-6.528E+04	-6.754E+04	-2.550E+04	0.000E+00	-2.014E+05	5.335E+05	0.000E+00	0.000E+00
1050	2	1.98	1	-6.513E+04	6.754E+04	-8.873E+03	0.000E+00	-5.257E+04	-4.001E+05	2.181E-05	-2.865E-06
1050	2	1.98	2	-6.526E+04	-6.754E+04	-2.550E+04	0.000E+00	-1.511E+05	4.001E+05	-2.181E-05	-8.234E-06
1050	3	3.96	1	-6.511E+04	6.754E+04	-8.873E+03	0.000E+00	-3.505E+04	-2.668E+05	2.492E-05	-3.275E-06
1050	3	3.96	2	-6.525E+04	-6.754E+04	-2.550E+04	0.000E+00	-1.007E+05	2.668E+05	-2.492E-05	-9.410E-06
1050	4	5.94	1	-6.510E+04	6.754E+04	-8.873E+03	0.000E+00	-1.752E+04	-1.334E+05	1.558E-05	-2.047E-06
1050	4	5.94	2	-6.523E+04	-6.754E+04	-2.550E+04	0.000E+00	-5.036E+04	1.334E+05	-1.558E-05	-5.881E-06

1050	5	7.92	1	-6.508E+04	6.754E+04	-8.873E+03	0.000E+00	-1.063E-08	-1.751E-07	-1.966E-12	1.069E-12
1050	5	7.92	2	-6.522E+04	-6.754E+04	-2.550E+04	0.000E+00	4.426E-09	1.738E-07	1.966E-12	-6.610E-13
1051	1	0.00	1	-6.514E+04	6.754E+04	2.636E+04	0.000E+00	2.135E+05	-5.470E+05	0.000E+00	0.000E+00
1051	1	0.00	2	-6.528E+04	-6.754E+04	8.728E+03	0.000E+00	7.069E+04	5.470E+05	0.000E+00	0.000E+00
1051	2	2.02	1	-6.513E+04	6.754E+04	2.636E+04	0.000E+00	1.602E+05	-4.103E+05	2.351E-05	9.176E-06
1051	2	2.02	2	-6.526E+04	-6.754E+04	8.728E+03	0.000E+00	5.302E+04	4.103E+05	-2.351E-05	3.038E-06
1051	3	4.04	1	-6.511E+04	6.754E+04	2.636E+04	0.000E+00	1.068E+05	-2.735E+05	2.687E-05	1.049E-05
1051	3	4.04	2	-6.525E+04	-6.754E+04	8.728E+03	0.000E+00	3.535E+04	2.735E+05	-2.687E-05	3.472E-06
1051	4	6.06	1	-6.510E+04	6.754E+04	2.636E+04	0.000E+00	5.339E+04	-1.368E+05	1.679E-05	6.555E-06
1051	4	6.06	2	-6.523E+04	-6.754E+04	8.728E+03	0.000E+00	1.767E+04	1.368E+05	-1.679E-05	2.170E-06
1051	5	8.08	1	-6.509E+04	6.754E+04	2.636E+04	0.000E+00	-1.784E-08	-1.877E-07	-7.597E-12	-2.110E-12
1051	5	8.08	2	-6.522E+04	-6.754E+04	8.728E+03	0.000E+00	1.796E-08	1.876E-07	7.597E-12	-3.591E-12
1052	1	0.00	1	-6.528E+04	-6.754E+04	-9.232E+03	0.000E+00	-7.478E+04	5.470E+05	0.000E+00	0.000E+00
1052	1	0.00	2	-6.514E+04	6.754E+04	-2.586E+04	0.000E+00	-2.095E+05	-5.470E+05	0.000E+00	0.000E+00
1052	2	2.02	1	-6.526E+04	-6.754E+04	-9.232E+03	0.000E+00	-5.609E+04	4.103E+05	-2.351E-05	-3.213E-06
1052	2	2.02	2	-6.513E+04	6.754E+04	-2.586E+04	0.000E+00	-1.571E+05	-4.103E+05	2.351E-05	-9.001E-06
1052	3	4.04	1	-6.525E+04	-6.754E+04	-9.232E+03	0.000E+00	-3.739E+04	2.735E+05	-2.687E-05	-3.673E-06
1052	3	4.04	2	-6.511E+04	6.754E+04	-2.586E+04	0.000E+00	-1.047E+05	-2.735E+05	2.687E-05	-1.029E-05
1052	4	6.06	1	-6.523E+04	-6.754E+04	-9.232E+03	0.000E+00	-1.870E+04	1.368E+05	-1.679E-05	-2.295E-06
1052	4	6.06	2	-6.510E+04	6.754E+04	-2.586E+04	0.000E+00	-5.236E+04	-1.368E+05	1.679E-05	-6.429E-06
1052	5	8.08	1	-6.522E+04	-6.754E+04	-9.232E+03	0.000E+00	-1.721E-07	-2.296E-09	7.597E-12	2.636E-12
1052	5	8.08	2	-6.509E+04	6.754E+04	-2.586E+04	0.000E+00	1.721E-07	2.419E-09	-7.597E-12	3.065E-12
1053	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1053	1	0.00	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1053	2	1.98	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1053	2	1.98	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1053	3	3.96	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1053	3	3.96	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1053	4	5.94	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1053	4	5.94	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1053	5	7.92	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1053	5	7.92	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1054	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1054	1	0.00	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1054	2	1.98	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1054	2	1.98	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1054	3	3.96	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1054	3	3.96	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1054	4	5.94	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1054	4	5.94	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1054	5	7.92	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1054	5	7.92	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1055	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1055	1	0.00	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1055	2	2.02	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1055	2	2.02	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1055	3	4.04	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1055	3	4.04	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1055	4	6.06	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1055	4	6.06	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1055	5	8.08	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1055	5	8.08	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1056	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1056	1	0.00	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1056	2	2.02	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1056	2	2.02	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1056	3	4.04	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1056	3	4.04	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1056	4	6.06	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1056	4	6.06	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1056	5	8.08	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1056	5	8.08	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

1057	1	0.00	1	-6.528E+04	-6.754E+04	2.600E+04	0.000E+00	2.054E+05	5.335E+05	0.000E+00	0.000E+00
1057	1	0.00	2	-6.514E+04	6.754E+04	8.367E+03	0.000E+00	6.610E+04	-5.335E+05	0.000E+00	0.000E+00
1057	2	1.98	1	-6.526E+04	-6.754E+04	2.600E+04	0.000E+00	1.541E+05	4.001E+05	-2.181E-05	8.397E-06
1057	2	1.98	2	-6.513E+04	6.754E+04	8.367E+03	0.000E+00	4.957E+04	-4.001E+05	2.181E-05	2.702E-06
1057	3	3.96	1	-6.525E+04	-6.754E+04	2.600E+04	0.000E+00	1.027E+05	2.668E+05	-2.492E-05	9.597E-06
1057	3	3.96	2	-6.511E+04	6.754E+04	8.367E+03	0.000E+00	3.305E+04	-2.668E+05	2.492E-05	3.088E-06
1057	4	5.94	1	-6.523E+04	-6.754E+04	2.600E+04	0.000E+00	5.136E+04	1.334E+05	-1.558E-05	5.998E-06
1057	4	5.94	2	-6.510E+04	6.754E+04	8.367E+03	0.000E+00	1.652E+04	-1.334E+05	1.558E-05	1.930E-06
1057	5	7.92	1	-6.522E+04	-6.754E+04	2.600E+04	0.000E+00	-2.656E-08	2.395E-08	1.967E-12	-5.470E-13
1057	5	7.92	2	-6.508E+04	6.754E+04	8.367E+03	0.000E+00	2.469E-08	-2.355E-08	-1.967E-12	1.391E-13
1058	1	0.00	1	-6.514E+04	6.754E+04	-8.873E+03	0.000E+00	-7.010E+04	-5.335E+05	0.000E+00	0.000E+00
1058	1	0.00	2	-6.528E+04	-6.754E+04	-2.550E+04	0.000E+00	-2.014E+05	5.335E+05	0.000E+00	0.000E+00
1058	2	1.98	1	-6.513E+04	6.754E+04	-8.873E+03	0.000E+00	-5.257E+04	-4.001E+05	2.181E-05	-2.865E-06
1058	2	1.98	2	-6.526E+04	-6.754E+04	-2.550E+04	0.000E+00	-1.511E+05	4.001E+05	-2.181E-05	-8.234E-06
1058	3	3.96	1	-6.511E+04	6.754E+04	-8.873E+03	0.000E+00	-3.505E+04	-2.668E+05	2.492E-05	-3.275E-06
1058	3	3.96	2	-6.525E+04	-6.754E+04	-2.550E+04	0.000E+00	-1.007E+05	2.668E+05	-2.492E-05	-9.410E-06
1058	4	5.94	1	-6.510E+04	6.754E+04	-8.873E+03	0.000E+00	-1.752E+04	-1.334E+05	1.558E-05	-2.047E-06
1058	4	5.94	2	-6.523E+04	-6.754E+04	-2.550E+04	0.000E+00	-5.036E+04	1.334E+05	-1.558E-05	-5.881E-06
1058	5	7.92	1	-6.508E+04	6.754E+04	-8.873E+03	0.000E+00	-1.384E-07	-8.444E-10	-1.967E-12	1.069E-12
1058	5	7.92	2	-6.522E+04	-6.754E+04	-2.550E+04	0.000E+00	1.409E-07	1.426E-09	1.967E-12	-6.610E-13
1059	1	0.00	1	-6.514E+04	6.754E+04	2.636E+04	0.000E+00	2.135E+05	-5.470E+05	0.000E+00	0.000E+00
1059	1	0.00	2	-6.528E+04	-6.754E+04	8.728E+03	0.000E+00	7.069E+04	5.470E+05	0.000E+00	0.000E+00
1059	2	2.02	1	-6.513E+04	6.754E+04	2.636E+04	0.000E+00	1.602E+05	-4.103E+05	2.351E-05	9.176E-06
1059	2	2.02	2	-6.526E+04	-6.754E+04	8.728E+03	0.000E+00	5.302E+04	4.103E+05	-2.351E-05	3.038E-06
1059	3	4.04	1	-6.511E+04	6.754E+04	2.636E+04	0.000E+00	1.068E+05	-2.735E+05	2.687E-05	1.049E-05
1059	3	4.04	2	-6.525E+04	-6.754E+04	8.728E+03	0.000E+00	3.535E+04	2.735E+05	-2.687E-05	3.472E-06
1059	4	6.06	1	-6.510E+04	6.754E+04	2.636E+04	0.000E+00	5.339E+04	-1.368E+05	1.679E-05	6.555E-06
1059	4	6.06	2	-6.523E+04	-6.754E+04	8.728E+03	0.000E+00	1.767E+04	1.368E+05	-1.679E-05	2.170E-06
1059	5	8.08	1	-6.509E+04	6.754E+04	2.636E+04	0.000E+00	7.696E-08	1.615E-09	-7.598E-12	-2.110E-12
1059	5	8.08	2	-6.522E+04	-6.754E+04	8.728E+03	0.000E+00	-7.402E-08	-1.004E-09	7.598E-12	-3.590E-12
1060	1	0.00	1	-6.528E+04	-6.754E+04	-9.232E+03	0.000E+00	-7.478E+04	5.470E+05	0.000E+00	0.000E+00
1060	1	0.00	2	-6.514E+04	6.754E+04	-2.586E+04	0.000E+00	-2.095E+05	-5.470E+05	0.000E+00	0.000E+00
1060	2	2.02	1	-6.526E+04	-6.754E+04	-9.232E+03	0.000E+00	-5.609E+04	4.103E+05	-2.351E-05	-3.213E-06
1060	2	2.02	2	-6.513E+04	6.754E+04	-2.586E+04	0.000E+00	-1.571E+05	-4.103E+05	2.351E-05	-9.001E-06
1060	3	4.04	1	-6.525E+04	-6.754E+04	-9.232E+03	0.000E+00	-3.739E+04	2.735E+05	-2.687E-05	-3.673E-06
1060	3	4.04	2	-6.511E+04	6.754E+04	-2.586E+04	0.000E+00	-1.047E+05	-2.735E+05	2.687E-05	-1.029E-05
1060	4	6.06	1	-6.523E+04	-6.754E+04	-9.232E+03	0.000E+00	-1.870E+04	1.368E+05	-1.679E-05	-2.295E-06
1060	4	6.06	2	-6.510E+04	6.754E+04	-2.586E+04	0.000E+00	-5.236E+04	-1.368E+05	1.679E-05	-6.429E-06
1060	5	8.08	1	-6.522E+04	-6.754E+04	-9.232E+03	0.000E+00	-4.438E-08	-2.585E-08	7.598E-12	2.636E-12
1060	5	8.08	2	-6.509E+04	6.754E+04	-2.586E+04	0.000E+00	4.046E-08	2.654E-08	-7.598E-12	3.064E-12
1061	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1061	1	0.00	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1061	2	1.98	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1061	2	1.98	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1061	3	3.96	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1061	3	3.96	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1061	4	5.94	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1061	4	5.94	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1061	5	7.92	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1061	5	7.92	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1062	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1062	1	0.00	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1062	2	1.98	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1062	2	1.98	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1062	3	3.96	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1062	3	3.96	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1062	4	5.94	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1062	4	5.94	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1062	5	7.92	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1062	5	7.92	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1063	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1063	1	0.00	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

1063	2	2.02	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1063	2	2.02	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1063	3	4.04	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1063	3	4.04	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1063	4	6.06	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1063	4	6.06	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1063	5	8.08	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1063	5	8.08	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1064	1	0.00	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1064	1	0.00	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1064	2	2.02	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1064	2	2.02	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1064	3	4.04	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1064	3	4.04	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1064	4	6.06	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1064	4	6.06	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1064	5	8.08	1	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1064	5	8.08	2	-6.515E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

FILE: astec003.bin											
Caso di carico: 3 - Rara (1xC1 + 1xC2 + 1xC3 + 1xC5)											
Asta	Prog.	Dist. (cm)	Sest.	N (kN)	Ty (kN)	Tz (kN)	Mx (kNm)	My (kNm)	Mz (kNm)	freccia Y (cm)	freccia Z (cm)
1	1	0.00	1	-2.088E+05	7.721E-11	-4.436E-11	0.000E+00	6.585E-06	-9.346E-06	0.000E+00	0.000E+00
1	2	68.75	1	-2.068E+05	7.721E-11	-4.436E-11	0.000E+00	6.588E-06	-9.341E-06	2.956E-14	2.087E-14
1	3	137.50	1	-2.049E+05	7.721E-11	-4.436E-11	0.000E+00	6.591E-06	-9.335E-06	3.941E-14	2.783E-14
1	4	206.25	1	-2.029E+05	7.721E-11	-4.436E-11	0.000E+00	6.594E-06	-9.330E-06	2.955E-14	2.087E-14
1	5	275.00	1	-2.010E+05	7.721E-11	-4.436E-11	0.000E+00	6.598E-06	-9.325E-06	-4.580E-21	1.921E-21
2	1	0.00	1	-2.142E+05	1.127E-11	-4.209E-10	0.000E+00	-1.597E-05	-1.809E+02	0.000E+00	0.000E+00
2	2	115.00	1	-2.109E+05	1.127E-11	-4.209E-10	0.000E+00	-1.592E-05	-1.809E+02	1.602E-06	-1.408E-13
2	3	230.00	1	-2.077E+05	1.127E-11	-4.209E-10	0.000E+00	-1.587E-05	-1.809E+02	2.137E-06	-1.875E-13
2	4	345.00	1	-2.044E+05	1.127E-11	-4.209E-10	0.000E+00	-1.582E-05	-1.809E+02	1.602E-06	-1.405E-13
2	5	460.00	1	-2.012E+05	1.127E-11	-4.209E-10	0.000E+00	-1.578E-05	-1.809E+02	-6.863E-13	-3.574E-20
3	1	0.00	1	-2.140E+05	-4.769E-10	-2.935E-10	0.000E+00	1.685E-06	-6.083E-06	0.000E+00	0.000E+00
3	2	115.00	1	-2.108E+05	-4.769E-10	-2.935E-10	0.000E+00	1.719E-06	-6.138E-06	5.470E-14	1.542E-14
3	3	230.00	1	-2.075E+05	-4.769E-10	-2.935E-10	0.000E+00	1.752E-06	-6.193E-06	7.315E-14	2.070E-14
3	4	345.00	1	-2.042E+05	-4.769E-10	-2.935E-10	0.000E+00	1.786E-06	-6.248E-06	5.502E-14	1.562E-14
3	5	460.00	1	-2.010E+05	-4.769E-10	-2.935E-10	0.000E+00	1.820E-06	-6.302E-06	-8.159E-21	1.611E-21
4	1	0.00	1	-2.150E+05	1.687E-10	8.292E-11	0.000E+00	-9.214E-06	-1.809E+02	0.000E+00	0.000E+00
4	2	122.50	1	-2.116E+05	1.687E-10	8.292E-11	0.000E+00	-9.224E-06	-1.809E+02	1.818E-06	-9.279E-14
4	3	245.00	1	-2.081E+05	1.687E-10	8.292E-11	0.000E+00	-9.234E-06	-1.809E+02	2.424E-06	-1.238E-13
4	4	367.50	1	-2.046E+05	1.687E-10	8.292E-11	0.000E+00	-9.245E-06	-1.809E+02	1.818E-06	-9.286E-14
4	5	490.00	1	-2.012E+05	1.687E-10	8.292E-11	0.000E+00	-9.255E-06	-1.809E+02	5.965E-14	-5.979E-22
5	1	0.00	1	-2.160E+05	-2.984E-10	2.494E-10	0.000E+00	8.371E-09	-9.532E-07	0.000E+00	0.000E+00
5	2	132.50	1	-2.122E+05	-2.984E-10	2.494E-10	0.000E+00	-2.467E-08	-9.928E-07	1.199E-14	-5.463E-16
5	3	265.00	1	-2.085E+05	-2.984E-10	2.494E-10	0.000E+00	-5.771E-08	-1.032E-06	1.619E-14	-8.989E-16
5	4	397.50	1	-2.047E+05	-2.984E-10	2.494E-10	0.000E+00	-9.075E-08	-1.072E-06	1.230E-14	-8.021E-16
5	5	530.00	1	-2.010E+05	-2.984E-10	2.494E-10	0.000E+00	-1.238E-07	-1.111E-06	-1.308E-21	-7.405E-23
6	1	0.00	1	-2.138E+05	-2.972E-10	5.590E-10	0.000E+00	1.560E-07	-1.809E+02	0.000E+00	0.000E+00
6	2	111.25	1	-2.106E+05	-2.972E-10	5.590E-10	0.000E+00	9.382E-08	-1.809E+02	1.500E-06	4.296E-16
6	3	222.50	1	-2.075E+05	-2.972E-10	5.590E-10	0.000E+00	3.164E-08	-1.809E+02	2.000E-06	3.466E-16
6	4	333.75	1	-2.043E+05	-2.972E-10	5.590E-10	0.000E+00	-3.055E-08	-1.809E+02	1.500E-06	9.033E-17
6	5	445.00	1	-2.012E+05	-2.972E-10	5.590E-10	0.000E+00	-9.273E-08	-1.809E+02	-2.868E-13	-2.040E-23
7	1	0.00	1	-2.161E+05	1.195E-09	6.726E-10	0.000E+00	6.618E-06	-9.780E+04	0.000E+00	0.000E+00
7	2	122.50	1	-2.126E+05	1.195E-09	6.726E-10	0.000E+00	6.535E-06	-9.780E+04	9.831E-04	6.514E-14
7	3	245.00	1	-2.091E+05	1.195E-09	6.726E-10	0.000E+00	6.453E-06	-9.780E+04	1.311E-03	8.648E-14
7	4	367.50	1	-2.057E+05	1.195E-09	6.726E-10	0.000E+00	6.370E-06	-9.780E+04	9.831E-04	6.459E-14
7	5	490.00	1	-2.022E+05	1.195E-09	6.726E-10	0.000E+00	6.288E-06	-9.780E+04	-1.472E-10	2.673E-21
8	1	0.00	1	-2.177E+05	-2.390E-10	3.008E-10	0.000E+00	-6.691E-06	-1.809E+02	0.000E+00	0.000E+00
8	2	125.00	1	-2.142E+05	-2.390E-10	3.008E-10	0.000E+00	-6.728E-06	-1.809E+02	1.893E-06	-7.068E-14
8	3	250.00	1	-2.106E+05	-2.390E-10	3.008E-10	0.000E+00	-6.766E-06	-1.809E+02	2.525E-06	-9.442E-14
8	4	375.00	1	-2.071E+05	-2.390E-10	3.008E-10	0.000E+00	-6.804E-06	-1.809E+02	1.893E-06	-7.095E-14
8	5	500.00	1	-2.036E+05	-2.390E-10	3.008E-10	0.000E+00	-6.841E-06	-1.809E+02	-1.804E-13	-2.119E-21

9	1	0.00	1	-2.168E+05	-1.607E-09	-2.961E-10	0.000E+00	-1.160E-05	9.780E+04	0.000E+00	0.000E+00
9	2	128.75	1	-2.131E+05	-1.607E-09	-2.961E-10	0.000E+00	-1.156E-05	9.780E+04	-1.086E-03	-1.281E-13
9	3	257.50	1	-2.095E+05	-1.607E-09	-2.961E-10	0.000E+00	-1.152E-05	9.780E+04	-1.448E-03	-1.706E-13
9	4	386.25	1	-2.058E+05	-1.607E-09	-2.961E-10	0.000E+00	-1.149E-05	9.780E+04	-1.086E-03	-1.278E-13
9	5	515.00	1	-2.022E+05	-1.607E-09	-2.961E-10	0.000E+00	-1.145E-05	9.780E+04	-1.463E-10	3.456E-21
10	1	0.00	1	-2.157E+05	1.457E-10	-2.521E-10	0.000E+00	7.253E-06	-1.809E+02	0.000E+00	0.000E+00
10	2	128.75	1	-2.121E+05	1.457E-10	-2.521E-10	0.000E+00	7.286E-06	-1.809E+02	2.009E-06	8.114E-14
10	3	257.50	1	-2.085E+05	1.457E-10	-2.521E-10	0.000E+00	7.318E-06	-1.809E+02	2.678E-06	1.083E-13
10	4	386.25	1	-2.048E+05	1.457E-10	-2.521E-10	0.000E+00	7.351E-06	-1.809E+02	2.009E-06	8.138E-14
10	5	515.00	1	-2.012E+05	1.457E-10	-2.521E-10	0.000E+00	7.383E-06	-1.809E+02	-2.754E-13	-1.421E-20
11	1	0.00	1	-2.136E+05	-8.726E-11	-6.878E-11	0.000E+00	-4.814E-06	4.841E-06	0.000E+00	0.000E+00
11	2	111.25	1	-2.104E+05	-8.726E-11	-6.878E-11	0.000E+00	-4.806E-06	4.831E-06	-4.000E-14	-3.980E-14
11	3	222.50	1	-2.073E+05	-8.726E-11	-6.878E-11	0.000E+00	-4.799E-06	4.821E-06	-5.329E-14	-5.304E-14
11	4	333.75	1	-2.041E+05	-8.726E-11	-6.878E-11	0.000E+00	-4.791E-06	4.812E-06	-3.994E-14	-3.976E-14
11	5	445.00	1	-2.010E+05	-8.726E-11	-6.878E-11	0.000E+00	-4.783E-06	4.802E-06	1.613E-21	4.637E-21
12	1	0.00	1	-2.162E+05	-5.065E-10	-9.739E-11	0.000E+00	-4.806E-06	-1.809E+02	0.000E+00	0.000E+00
12	2	132.50	1	-2.124E+05	-5.065E-10	-9.739E-11	0.000E+00	-4.793E-06	-1.809E+02	2.127E-06	-5.626E-14
12	3	265.00	1	-2.087E+05	-5.065E-10	-9.739E-11	0.000E+00	-4.780E-06	-1.809E+02	2.836E-06	-7.495E-14
12	4	397.50	1	-2.049E+05	-5.065E-10	-9.739E-11	0.000E+00	-4.767E-06	-1.809E+02	2.127E-06	-5.616E-14
12	5	530.00	1	-2.012E+05	-5.065E-10	-9.739E-11	0.000E+00	-4.754E-06	-1.809E+02	-6.009E-13	-1.857E-23
13	1	0.00	1	-2.149E+05	-4.051E-11	-6.093E-12	0.000E+00	-2.393E-06	-4.436E-06	0.000E+00	0.000E+00
13	2	122.50	1	-2.114E+05	-4.051E-11	-6.093E-12	0.000E+00	-2.393E-06	-4.441E-06	4.467E-14	-2.405E-14
13	3	245.00	1	-2.079E+05	-4.051E-11	-6.093E-12	0.000E+00	-2.392E-06	-4.446E-06	5.958E-14	-3.206E-14
13	4	367.50	1	-2.045E+05	-4.051E-11	-6.093E-12	0.000E+00	-2.391E-06	-4.451E-06	4.470E-14	-2.404E-14
13	5	490.00	1	-2.010E+05	-4.051E-11	-6.093E-12	0.000E+00	-2.390E-06	-4.455E-06	6.778E-21	1.905E-21
14	1	0.00	1	-2.142E+05	2.441E-10	6.992E-10	0.000E+00	-1.959E-06	-1.809E+02	0.000E+00	0.000E+00
14	2	115.00	1	-2.109E+05	2.441E-10	6.992E-10	0.000E+00	-2.039E-06	-1.809E+02	1.602E-06	-1.854E-14
14	3	230.00	1	-2.077E+05	2.441E-10	6.992E-10	0.000E+00	-2.119E-06	-1.809E+02	2.137E-06	-2.503E-14
14	4	345.00	1	-2.044E+05	2.441E-10	6.992E-10	0.000E+00	-2.200E-06	-1.809E+02	1.602E-06	-1.901E-14
14	5	460.00	1	-2.012E+05	2.441E-10	6.992E-10	0.000E+00	-2.280E-06	-1.809E+02	-4.355E-13	1.807E-21
15	1	0.00	1	-2.112E+05	1.832E-10	-4.116E-11	0.000E+00	-1.965E-05	4.434E-06	0.000E+00	0.000E+00
15	2	90.00	1	-2.086E+05	1.832E-10	-4.116E-11	0.000E+00	-1.965E-05	4.450E-06	-2.420E-14	-1.066E-13
15	3	180.00	1	-2.061E+05	1.832E-10	-4.116E-11	0.000E+00	-1.964E-05	4.467E-06	-3.231E-14	-1.421E-13
15	4	270.00	1	-2.035E+05	1.832E-10	-4.116E-11	0.000E+00	-1.964E-05	4.483E-06	-2.426E-14	-1.066E-13
15	5	360.00	1	-2.010E+05	1.832E-10	-4.116E-11	0.000E+00	-1.964E-05	4.500E-06	5.080E-22	-2.595E-20
101	1	0.00	1	-1.722E-11	1.420E-10	-1.332E-14	-3.011E-15	3.439E-12	1.448E-08	0.000E+00	0.000E+00
101	2	17.25	1	4.257E-01	-2.937E+02	-1.332E-14	-3.011E-15	3.669E-12	-2.533E+03	-9.618E-06	0.000E+00
101	3	34.50	1	8.514E-01	-5.874E+02	-1.332E-14	-3.011E-15	3.899E-12	-1.013E+04	-1.262E-05	0.000E+00
101	4	51.75	1	1.277E+00	-8.812E+02	-1.332E-14	-3.011E-15	4.128E-12	-2.280E+04	-9.263E-06	0.000E+00
101	5	69.00	1	1.703E+00	-1.175E+03	-1.332E-14	-3.011E-15	4.358E-12	-4.053E+04	-1.369E-14	0.000E+00
102	1	0.00	1	8.667E-12	3.287E-11	-4.663E-15	3.022E-15	-1.592E-12	4.428E-08	0.000E+00	0.000E+00
102	2	17.25	1	4.257E-01	-2.937E+02	-4.663E-15	3.022E-15	-1.511E-12	-2.533E+03	-9.618E-06	0.000E+00
102	3	34.50	1	8.514E-01	-5.874E+02	-4.663E-15	3.022E-15	-1.431E-12	-1.013E+04	-1.262E-05	0.000E+00
102	4	51.75	1	1.277E+00	-8.812E+02	-4.663E-15	3.022E-15	-1.350E-12	-2.280E+04	-9.263E-06	0.000E+00
102	5	69.00	1	1.703E+00	-1.175E+03	-4.663E-15	3.022E-15	-1.270E-12	-4.053E+04	-1.369E-14	0.000E+00
103	1	0.00	1	-4.726E+01	4.277E+04	-8.287E+00	1.138E-01	-1.062E+02	-4.053E+04	0.000E+00	0.000E+00
103	2	45.25	1	-4.640E+01	4.200E+04	-8.287E+00	1.138E-01	2.688E+02	1.877E+06	-1.198E-03	4.304E-07
103	3	90.50	1	-4.555E+01	4.123E+04	-8.287E+00	1.138E-01	6.438E+02	3.760E+06	-1.898E-03	7.122E-07
103	4	135.75	1	-4.470E+01	4.045E+04	-8.287E+00	1.138E-01	1.019E+03	5.608E+06	-1.647E-03	6.378E-07
103	5	181.00	1	-4.385E+01	3.968E+04	-8.287E+00	1.138E-01	1.394E+03	7.421E+06	-1.187E-10	4.598E-14
104	1	0.00	1	-4.726E+01	4.277E+04	8.287E+00	-1.138E-01	1.062E+02	-4.053E+04	0.000E+00	0.000E+00
104	2	45.25	1	-4.640E+01	4.200E+04	8.287E+00	-1.138E-01	-2.688E+02	1.877E+06	-1.198E-03	-4.304E-07
104	3	90.50	1	-4.555E+01	4.123E+04	8.287E+00	-1.138E-01	-6.438E+02	3.760E+06	-1.898E-03	-7.122E-07
104	4	135.75	1	-4.470E+01	4.045E+04	8.287E+00	-1.138E-01	-1.019E+03	5.608E+06	-1.647E-03	-6.378E-07
104	5	181.00	1	-4.385E+01	3.968E+04	8.287E+00	-1.138E-01	-1.394E+03	7.421E+06	-1.187E-10	-4.599E-14
105	1	0.00	1	-3.174E+01	3.231E+04	2.896E+00	1.887E-02	1.335E+03	7.421E+06	0.000E+00	0.000E+00
105	2	127.25	1	-2.961E+01	3.014E+04	2.896E+00	1.887E-02	9.664E+02	1.139E+07	-3.994E-02	4.728E-06
105	3	254.50	1	-2.748E+01	2.797E+04	2.896E+00	1.887E-02	5.979E+02	1.509E+07	-5.786E-02	5.230E-06
105	4	381.75	1	-2.535E+01	2.581E+04	2.896E+00	1.887E-02	2.294E+02	1.851E+07	-4.672E-02	3.117E-06
105	5	509.00	1	-2.322E+01	2.364E+04	2.896E+00	1.887E-02	-1.391E+02	2.166E+07	-1.046E-09	-5.135E-13
106	1	0.00	1	-3.174E+01	3.231E+04	-2.896E+00	-1.887E-02	-1.335E+03	7.421E+06	0.000E+00	0.000E+00
106	2	127.25	1	-2.961E+01	3.014E+04	-2.896E+00	-1.887E-02	-9.664E+02	1.139E+07	-3.994E-02	-4.728E-06

106	3	254.50	1	-2.748E+01	2.797E+04	-2.896E+00	-1.887E-02	-5.979E+02	1.509E+07	-5.786E-02	-5.230E-06
106	4	381.75	1	-2.535E+01	2.581E+04	-2.896E+00	-1.887E-02	-2.294E+02	1.851E+07	-4.672E-02	-3.117E-06
106	5	509.00	1	-2.322E+01	2.364E+04	-2.896E+00	-1.887E-02	1.391E+02	2.166E+07	-1.046E-09	5.134E-13
107	1	0.00	1	-1.376E+01	1.404E+04	-4.710E-01	9.416E-03	-1.982E+02	2.166E+07	0.000E+00	0.000E+00
107	2	127.50	1	-1.164E+01	1.187E+04	-4.710E-01	9.416E-03	-1.381E+02	2.331E+07	-6.983E-02	-6.460E-07
107	3	255.00	1	-9.507E+00	9.698E+03	-4.710E-01	9.416E-03	-7.806E+01	2.469E+07	-9.477E-02	-6.856E-07
107	4	382.50	1	-7.379E+00	7.527E+03	-4.710E-01	9.416E-03	-1.801E+01	2.578E+07	-7.219E-02	-3.823E-07
107	5	510.00	1	-5.251E+00	5.356E+03	-4.710E-01	9.416E-03	4.204E+01	2.661E+07	-1.170E-09	1.403E-13
108	1	0.00	1	-1.376E+01	1.404E+04	4.710E-01	-9.416E-03	1.982E+02	2.166E+07	0.000E+00	0.000E+00
108	2	127.50	1	-1.164E+01	1.187E+04	4.710E-01	-9.416E-03	1.381E+02	2.331E+07	-6.983E-02	6.460E-07
108	3	255.00	1	-9.507E+00	9.698E+03	4.710E-01	-9.416E-03	7.806E+01	2.469E+07	-9.477E-02	6.856E-07
108	4	382.50	1	-7.379E+00	7.527E+03	4.710E-01	-9.416E-03	1.801E+01	2.578E+07	-7.219E-02	3.823E-07
108	5	510.00	1	-5.251E+00	5.356E+03	4.710E-01	-9.416E-03	-4.204E+01	2.661E+07	-1.170E-09	-1.404E-13
109	1	0.00	1	5.251E+00	-5.356E+03	-1.845E-01	-9.416E-03	-2.588E+01	2.661E+07	0.000E+00	0.000E+00
109	2	127.50	1	7.379E+00	-7.527E+03	-1.845E-01	-9.416E-03	-2.366E+00	2.578E+07	-7.219E-02	8.769E-08
109	3	255.00	1	9.507E+00	-9.698E+03	-1.845E-01	-9.416E-03	2.115E+01	2.469E+07	-9.477E-02	1.858E-07
109	4	382.50	1	1.164E+01	-1.187E+04	-1.845E-01	-9.416E-03	4.467E+01	2.331E+07	-6.983E-02	1.910E-07
109	5	510.00	1	1.376E+01	-1.404E+04	-1.845E-01	-9.416E-03	6.819E+01	2.166E+07	2.367E-09	4.633E-16
110	1	0.00	1	5.251E+00	-5.356E+03	1.845E-01	9.416E-03	2.588E+01	2.661E+07	0.000E+00	0.000E+00
110	2	127.50	1	7.379E+00	-7.527E+03	1.845E-01	9.416E-03	2.366E+00	2.578E+07	-7.219E-02	-8.769E-08
110	3	255.00	1	9.507E+00	-9.698E+03	1.845E-01	9.416E-03	-2.115E+01	2.469E+07	-9.477E-02	-1.858E-07
110	4	382.50	1	1.164E+01	-1.187E+04	1.845E-01	9.416E-03	-4.467E+01	2.331E+07	-6.983E-02	-1.910E-07
110	5	510.00	1	1.376E+01	-1.404E+04	1.845E-01	9.416E-03	-6.819E+01	2.166E+07	2.367E-09	-5.377E-16
111	1	0.00	1	2.322E+01	-2.364E+04	6.432E-01	-1.887E-02	7.814E+00	2.166E+07	0.000E+00	0.000E+00
111	2	127.25	1	2.535E+01	-2.581E+04	6.432E-01	-1.887E-02	-7.403E+01	1.851E+07	-4.672E-02	-8.437E-07
111	3	254.50	1	2.748E+01	-2.797E+04	6.432E-01	-1.887E-02	-1.559E+02	1.509E+07	-5.786E-02	-1.364E-06
111	4	381.75	1	2.961E+01	-3.014E+04	6.432E-01	-1.887E-02	-2.377E+02	1.139E+07	-3.994E-02	-1.202E-06
111	5	509.00	1	3.174E+01	-3.231E+04	6.432E-01	-1.887E-02	-3.196E+02	7.421E+06	-1.006E-08	-5.997E-14
112	1	0.00	1	2.322E+01	-2.364E+04	-6.432E-01	1.887E-02	-7.814E+00	2.166E+07	0.000E+00	0.000E+00
112	2	127.25	1	2.535E+01	-2.581E+04	-6.432E-01	1.887E-02	7.403E+01	1.851E+07	-4.672E-02	8.437E-07
112	3	254.50	1	2.748E+01	-2.797E+04	-6.432E-01	1.887E-02	1.559E+02	1.509E+07	-5.786E-02	1.364E-06
112	4	381.75	1	2.961E+01	-3.014E+04	-6.432E-01	1.887E-02	2.377E+02	1.139E+07	-3.994E-02	1.202E-06
112	5	509.00	1	3.174E+01	-3.231E+04	-6.432E-01	1.887E-02	3.196E+02	7.421E+06	-1.006E-08	5.991E-14
113	1	0.00	1	4.385E+01	-3.968E+04	-2.374E+00	-1.138E-01	-3.695E+02	7.421E+06	0.000E+00	0.000E+00
113	2	45.25	1	4.470E+01	-4.045E+04	-2.374E+00	-1.138E-01	-2.621E+02	5.608E+06	-1.647E-03	-1.580E-07
113	3	90.50	1	4.555E+01	-4.123E+04	-2.374E+00	-1.138E-01	-1.547E+02	3.760E+06	-1.898E-03	-1.711E-07
113	4	135.75	1	4.640E+01	-4.200E+04	-2.374E+00	-1.138E-01	-4.727E+01	1.877E+06	-1.198E-03	-9.862E-08
113	5	181.00	1	4.726E+01	-4.277E+04	-2.374E+00	-1.138E-01	6.014E+01	-4.053E+04	-2.864E-10	-1.374E-13
114	1	0.00	1	4.385E+01	-3.968E+04	2.374E+00	1.138E-01	3.695E+02	7.421E+06	0.000E+00	0.000E+00
114	2	45.25	1	4.470E+01	-4.045E+04	2.374E+00	1.138E-01	2.621E+02	5.608E+06	-1.647E-03	1.580E-07
114	3	90.50	1	4.555E+01	-4.123E+04	2.374E+00	1.138E-01	1.547E+02	3.760E+06	-1.898E-03	1.711E-07
114	4	135.75	1	4.640E+01	-4.200E+04	2.374E+00	1.138E-01	4.727E+01	1.877E+06	-1.198E-03	9.862E-08
114	5	181.00	1	4.726E+01	-4.277E+04	2.374E+00	1.138E-01	-6.014E+01	-4.053E+04	-2.864E-10	1.374E-13
115	1	0.00	1	1.182E-10	1.175E+03	3.132E-15	6.823E-17	-4.822E-11	-4.053E+04	0.000E+00	0.000E+00
115	2	17.25	1	1.182E-10	8.812E+02	3.132E-15	6.823E-17	-4.828E-11	-2.280E+04	-9.263E-06	0.000E+00
115	3	34.50	1	1.182E-10	5.874E+02	3.132E-15	6.823E-17	-4.833E-11	-1.013E+04	-1.262E-05	0.000E+00
115	4	51.75	1	1.182E-10	2.937E+02	3.132E-15	6.823E-17	-4.838E-11	-2.533E+03	-9.618E-06	0.000E+00
115	5	69.00	1	1.182E-10	5.437E-10	3.132E-15	6.823E-17	-4.844E-11	-7.558E-08	3.799E-13	0.000E+00
116	1	0.00	1	5.821E-11	1.175E+03	1.369E-13	-1.726E-15	8.017E-11	-4.053E+04	0.000E+00	0.000E+00
116	2	17.25	1	5.821E-11	8.812E+02	1.369E-13	-1.726E-15	7.780E-11	-2.280E+04	-9.263E-06	0.000E+00
116	3	34.50	1	5.821E-11	5.874E+02	1.369E-13	-1.726E-15	7.544E-11	-1.013E+04	-1.262E-05	0.000E+00
116	4	51.75	1	5.821E-11	2.937E+02	1.369E-13	-1.726E-15	7.308E-11	-2.533E+03	-9.618E-06	0.000E+00
116	5	69.00	1	5.821E-11	7.081E-11	1.369E-13	-1.726E-15	7.072E-11	-6.956E-08	3.799E-13	0.000E+00
117	1	0.00	1	-2.103E-12	-1.508E-10	2.275E-13	0.000E+00	-1.478E-11	7.691E-08	0.000E+00	0.000E+00
117	2	17.25	1	-2.103E-12	-2.937E+02	2.275E-13	0.000E+00	-1.871E-11	-2.533E+03	-9.618E-06	0.000E+00
117	3	34.50	1	-2.103E-12	-5.874E+02	2.275E-13	0.000E+00	-2.263E-11	-1.013E+04	-1.262E-05	0.000E+00
117	4	51.75	1	-2.103E-12	-8.812E+02	2.275E-13	0.000E+00	-2.656E-11	-2.280E+04	-9.263E-06	0.000E+00
117	5	69.00	1	-2.103E-12	-1.175E+03	2.275E-13	0.000E+00	-3.048E-11	-4.053E+04	7.480E-15	0.000E+00
118	1	0.00	1	-3.922E-12	-2.254E-10	4.777E-14	0.000E+00	-1.520E-11	1.172E-08	0.000E+00	0.000E+00
118	2	17.25	1	-3.922E-12	-2.937E+02	4.777E-14	0.000E+00	-1.602E-11	-2.533E+03	-9.618E-06	0.000E+00
118	3	34.50	1	-3.922E-12	-5.874E+02	4.777E-14	0.000E+00	-1.685E-11	-1.013E+04	-1.262E-05	0.000E+00
118	4	51.75	1	-3.922E-12	-8.812E+02	4.777E-14	0.000E+00	-1.767E-11	-2.280E+04	-9.263E-06	0.000E+00

118	5	69.00	1	-3.922E-12	-1.175E+03	4.777E-14	0.000E+00	-1.849E-11	-4.053E+04	7.489E-15	0.000E+00
119	1	0.00	1	-4.726E+01	4.277E+04	-2.487E+00	1.138E-01	-5.983E+01	-4.053E+04	0.000E+00	0.000E+00
119	2	45.25	1	-4.640E+01	4.200E+04	-2.487E+00	1.138E-01	5.270E+01	1.877E+06	-1.198E-03	1.060E-07
119	3	90.50	1	-4.555E+01	4.123E+04	-2.487E+00	1.138E-01	1.652E+02	3.760E+06	-1.898E-03	1.828E-07
119	4	135.75	1	-4.470E+01	4.045E+04	-2.487E+00	1.138E-01	2.777E+02	5.608E+06	-1.647E-03	1.682E-07
119	5	181.00	1	-4.385E+01	3.968E+04	-2.487E+00	1.138E-01	3.903E+02	7.421E+06	-3.586E-11	-7.958E-15
120	1	0.00	1	-4.726E+01	4.277E+04	2.487E+00	-1.138E-01	5.983E+01	-4.053E+04	0.000E+00	0.000E+00
120	2	45.25	1	-4.640E+01	4.200E+04	2.487E+00	-1.138E-01	-5.270E+01	1.877E+06	-1.198E-03	-1.060E-07
120	3	90.50	1	-4.555E+01	4.123E+04	2.487E+00	-1.138E-01	-1.652E+02	3.760E+06	-1.898E-03	-1.828E-07
120	4	135.75	1	-4.470E+01	4.045E+04	2.487E+00	-1.138E-01	-2.777E+02	5.608E+06	-1.647E-03	-1.682E-07
120	5	181.00	1	-4.385E+01	3.968E+04	2.487E+00	-1.138E-01	-3.903E+02	7.421E+06	-3.586E-11	7.953E-15
121	1	0.00	1	-3.174E+01	3.231E+04	7.684E-01	1.887E-02	3.405E+02	7.421E+06	0.000E+00	0.000E+00
121	2	127.25	1	-2.961E+01	3.014E+04	7.684E-01	1.887E-02	2.428E+02	1.139E+07	-3.994E-02	1.165E-06
121	3	254.50	1	-2.748E+01	2.797E+04	7.684E-01	1.887E-02	1.450E+02	1.509E+07	-5.786E-02	1.268E-06
121	4	381.75	1	-2.535E+01	2.581E+04	7.684E-01	1.887E-02	4.719E+01	1.851E+07	-4.672E-02	7.373E-07
121	5	509.00	1	-2.322E+01	2.364E+04	7.684E-01	1.887E-02	-5.059E+01	2.166E+07	-5.529E-10	-2.786E-13
122	1	0.00	1	-3.174E+01	3.231E+04	-7.684E-01	-1.887E-02	-3.405E+02	7.421E+06	0.000E+00	0.000E+00
122	2	127.25	1	-2.961E+01	3.014E+04	-7.684E-01	-1.887E-02	-2.428E+02	1.139E+07	-3.994E-02	-1.165E-06
122	3	254.50	1	-2.748E+01	2.797E+04	-7.684E-01	-1.887E-02	-1.450E+02	1.509E+07	-5.786E-02	-1.268E-06
122	4	381.75	1	-2.535E+01	2.581E+04	-7.684E-01	-1.887E-02	-4.719E+01	1.851E+07	-4.672E-02	-7.373E-07
122	5	509.00	1	-2.322E+01	2.364E+04	-7.684E-01	-1.887E-02	5.059E+01	2.166E+07	-5.530E-10	2.785E-13
123	1	0.00	1	-1.376E+01	1.404E+04	2.144E+00	9.416E-03	-1.110E+02	2.166E+07	0.000E+00	0.000E+00
123	2	127.50	1	-1.164E+01	1.187E+04	2.144E+00	9.416E-03	-3.845E+02	2.331E+07	-6.983E-02	-3.733E-06
123	3	255.00	1	-9.507E+00	9.698E+03	2.144E+00	9.416E-03	-6.579E+02	2.469E+07	-9.477E-02	-5.778E-06
123	4	382.50	1	-7.379E+00	7.527E+03	2.144E+00	9.416E-03	-9.313E+02	2.578E+07	-7.219E-02	-4.933E-06
123	5	510.00	1	-5.251E+00	5.356E+03	2.144E+00	9.416E-03	-1.205E+03	2.661E+07	-1.346E-09	-2.104E-13
124	1	0.00	1	-1.376E+01	1.404E+04	-2.144E+00	-9.416E-03	1.110E+02	2.166E+07	0.000E+00	0.000E+00
124	2	127.50	1	-1.164E+01	1.187E+04	-2.144E+00	-9.416E-03	3.845E+02	2.331E+07	-6.983E-02	3.733E-06
124	3	255.00	1	-9.507E+00	9.698E+03	-2.144E+00	-9.416E-03	6.579E+02	2.469E+07	-9.477E-02	5.778E-06
124	4	382.50	1	-7.379E+00	7.527E+03	-2.144E+00	-9.416E-03	9.313E+02	2.578E+07	-7.219E-02	4.933E-06
124	5	510.00	1	-5.251E+00	5.356E+03	-2.144E+00	-9.416E-03	1.205E+03	2.661E+07	-1.346E-09	2.104E-13
125	1	0.00	1	5.251E+00	-5.356E+03	-4.206E+01	-9.417E-03	-1.288E+03	2.661E+07	0.000E+00	0.000E+00
125	2	127.50	1	7.379E+00	-7.527E+03	-4.206E+01	-9.417E-03	4.076E+03	2.578E+07	-7.219E-02	5.039E-05
125	3	255.00	1	9.507E+00	-9.698E+03	-4.206E+01	-9.417E-03	9.439E+03	2.469E+07	-9.477E-02	8.289E-05
125	4	382.50	1	1.164E+01	-1.187E+04	-4.206E+01	-9.417E-03	1.480E+04	2.331E+07	-6.983E-02	7.394E-05
125	5	510.00	1	1.376E+01	-1.404E+04	-4.206E+01	-9.417E-03	2.017E+04	2.166E+07	2.451E-09	5.938E-13
126	1	0.00	1	5.251E+00	-5.356E+03	4.206E+01	9.417E-03	1.288E+03	2.661E+07	0.000E+00	0.000E+00
126	2	127.50	1	7.379E+00	-7.527E+03	4.206E+01	9.417E-03	-4.076E+03	2.578E+07	-7.219E-02	-5.039E-05
126	3	255.00	1	9.507E+00	-9.698E+03	4.206E+01	9.417E-03	-9.439E+03	2.469E+07	-9.477E-02	-8.289E-05
126	4	382.50	1	1.164E+01	-1.187E+04	4.206E+01	9.417E-03	-1.480E+04	2.331E+07	-6.983E-02	-7.394E-05
126	5	510.00	1	1.376E+01	-1.404E+04	4.206E+01	9.417E-03	-2.017E+04	2.166E+07	2.451E-09	-5.938E-13
127	1	0.00	1	2.322E+01	-2.364E+04	3.483E+02	-1.887E-02	2.031E+04	2.166E+07	0.000E+00	0.000E+00
127	2	127.25	1	2.535E+01	-2.581E+04	3.483E+02	-1.887E-02	-2.402E+04	1.851E+07	-4.672E-02	-3.514E-04
127	3	254.50	1	2.748E+01	-2.797E+04	3.483E+02	-1.887E-02	-6.834E+04	1.509E+07	-5.786E-02	-5.978E-04
127	4	381.75	1	2.961E+01	-3.014E+04	3.483E+02	-1.887E-02	-1.127E+05	1.139E+07	-3.994E-02	-5.453E-04
127	5	509.00	1	3.174E+01	-3.231E+04	3.483E+02	-1.887E-02	-1.570E+05	7.421E+06	-9.714E-09	-3.900E-12
128	1	0.00	1	2.322E+01	-2.364E+04	-3.483E+02	1.887E-02	-2.031E+04	2.166E+07	0.000E+00	0.000E+00
128	2	127.25	1	2.535E+01	-2.581E+04	-3.483E+02	1.887E-02	2.402E+04	1.851E+07	-4.672E-02	3.514E-04
128	3	254.50	1	2.748E+01	-2.797E+04	-3.483E+02	1.887E-02	6.834E+04	1.509E+07	-5.786E-02	5.978E-04
128	4	381.75	1	2.961E+01	-3.014E+04	-3.483E+02	1.887E-02	1.127E+05	1.139E+07	-3.994E-02	5.453E-04
128	5	509.00	1	3.174E+01	-3.231E+04	-3.483E+02	1.887E-02	1.570E+05	7.421E+06	-9.714E-09	3.900E-12
129	1	0.00	1	4.385E+01	-3.968E+04	-9.149E+02	-1.138E-01	-1.584E+05	7.421E+06	0.000E+00	0.000E+00
129	2	45.25	1	4.470E+01	-4.045E+04	-9.149E+02	-1.138E-01	-1.170E+05	5.608E+06	-1.647E-03	-7.420E-05
129	3	90.50	1	4.555E+01	-4.123E+04	-9.149E+02	-1.138E-01	-7.564E+04	3.760E+06	-1.898E-03	-8.367E-05
129	4	135.75	1	4.640E+01	-4.200E+04	-9.149E+02	-1.138E-01	-3.424E+04	1.877E+06	-1.198E-03	-5.130E-05
129	5	181.00	1	4.726E+01	-4.277E+04	-9.149E+02	-1.138E-01	7.164E+03	-4.053E+04	-6.289E-10	1.992E-11
130	1	0.00	1	4.385E+01	-3.968E+04	9.149E+02	1.138E-01	1.584E+05	7.421E+06	0.000E+00	0.000E+00
130	2	45.25	1	4.470E+01	-4.045E+04	9.149E+02	1.138E-01	1.170E+05	5.608E+06	-1.647E-03	7.420E-05
130	3	90.50	1	4.555E+01	-4.123E+04	9.149E+02	1.138E-01	7.564E+04	3.760E+06	-1.898E-03	8.367E-05
130	4	135.75	1	4.640E+01	-4.200E+04	9.149E+02	1.138E-01	3.424E+04	1.877E+06	-1.198E-03	5.130E-05
130	5	181.00	1	4.726E+01	-4.277E+04	9.149E+02	1.138E-01	-7.164E+03	-4.053E+04	-6.289E-10	-1.992E-11
131	1	0.00	1	-1.703E+00	1.175E+03	-1.882E-11	3.661E-12	-2.041E-09	-4.053E+04	0.000E+00	0.000E+00

131	2	17.25	1	-1.277E+00	8.812E+02	-1.882E-11	3.661E-12	-1.716E-09	-2.280E+04	-9.263E-06	0.000E+00
131	3	34.50	1	-8.514E-01	5.874E+02	-1.882E-11	3.661E-12	-1.392E-09	-1.013E+04	-1.262E-05	0.000E+00
131	4	51.75	1	-4.257E-01	2.937E+02	-1.882E-11	3.661E-12	-1.067E-09	-2.533E+03	-9.618E-06	0.000E+00
131	5	69.00	1	-1.783E-10	-1.711E-10	-1.882E-11	3.661E-12	-7.427E-10	4.574E-08	1.621E-13	0.000E+00
132	1	0.00	1	-1.703E+00	1.175E+03	-1.264E-10	2.275E-12	-7.749E-09	-4.053E+04	0.000E+00	0.000E+00
132	2	17.25	1	-1.277E+00	8.812E+02	-1.264E-10	2.275E-12	-5.568E-09	-2.280E+04	-9.263E-06	-4.602E-19
132	3	34.50	1	-8.514E-01	5.874E+02	-1.264E-10	2.275E-12	-3.387E-09	-1.013E+04	-1.262E-05	-5.006E-19
132	4	51.75	1	-4.257E-01	2.937E+02	-1.264E-10	2.275E-12	-1.206E-09	-2.533E+03	-9.618E-06	-2.906E-19
132	5	69.00	1	4.006E-11	1.418E-10	-1.264E-10	2.275E-12	9.755E-10	-1.585E-07	1.621E-13	-1.269E-26
133	1	0.00	1	-9.181E-13	-3.262E-11	-2.430E-12	1.463E-13	-6.276E-11	5.592E-08	0.000E+00	0.000E+00
133	2	17.25	1	4.257E-01	-2.937E+02	-2.430E-12	1.463E-13	-2.084E-11	-2.533E+03	-9.618E-06	0.000E+00
133	3	34.50	1	8.514E-01	-5.874E+02	-2.430E-12	1.463E-13	2.108E-11	-1.013E+04	-1.262E-05	0.000E+00
133	4	51.75	1	1.277E+00	-8.812E+02	-2.430E-12	1.463E-13	6.300E-11	-2.280E+04	-9.263E-06	0.000E+00
133	5	69.00	1	1.703E+00	-1.175E+03	-2.430E-12	1.463E-13	1.049E-10	-4.053E+04	-1.370E-14	0.000E+00
134	1	0.00	1	-2.780E-12	-9.810E-11	-1.343E-12	-1.471E-13	1.573E-10	7.641E-08	0.000E+00	0.000E+00
134	2	17.25	1	4.257E-01	-2.937E+02	-1.343E-12	-1.471E-13	1.805E-10	-2.533E+03	-9.618E-06	0.000E+00
134	3	34.50	1	8.514E-01	-5.874E+02	-1.343E-12	-1.471E-13	2.037E-10	-1.013E+04	-1.262E-05	0.000E+00
134	4	51.75	1	1.277E+00	-8.812E+02	-1.343E-12	-1.471E-13	2.268E-10	-2.280E+04	-9.263E-06	0.000E+00
134	5	69.00	1	1.703E+00	-1.175E+03	-1.343E-12	-1.471E-13	2.500E-10	-4.053E+04	-1.370E-14	0.000E+00
135	1	0.00	1	-4.726E+01	4.277E+04	9.293E+02	1.138E-01	7.193E+03	-4.053E+04	0.000E+00	0.000E+00
135	2	45.25	1	-4.640E+01	4.200E+04	9.293E+02	1.138E-01	-3.486E+04	1.877E+06	-1.198E-03	-5.218E-05
135	3	90.50	1	-4.555E+01	4.123E+04	9.293E+02	1.138E-01	-7.691E+04	3.760E+06	-1.898E-03	-8.507E-05
135	4	135.75	1	-4.470E+01	4.045E+04	9.293E+02	1.138E-01	-1.190E+05	5.608E+06	-1.647E-03	-7.543E-05
135	5	181.00	1	-4.385E+01	3.968E+04	9.293E+02	1.138E-01	-1.610E+05	7.421E+06	-1.187E-10	-1.007E-12
136	1	0.00	1	-4.726E+01	4.277E+04	-9.293E+02	-1.138E-01	-7.193E+03	-4.053E+04	0.000E+00	0.000E+00
136	2	45.25	1	-4.640E+01	4.200E+04	-9.293E+02	-1.138E-01	3.486E+04	1.877E+06	-1.198E-03	5.218E-05
136	3	90.50	1	-4.555E+01	4.123E+04	-9.293E+02	-1.138E-01	7.691E+04	3.760E+06	-1.898E-03	8.507E-05
136	4	135.75	1	-4.470E+01	4.045E+04	-9.293E+02	-1.138E-01	1.190E+05	5.608E+06	-1.647E-03	7.543E-05
136	5	181.00	1	-4.385E+01	3.968E+04	-9.293E+02	-1.138E-01	1.610E+05	7.421E+06	-1.187E-10	1.007E-12
137	1	0.00	1	-3.174E+01	3.231E+04	-3.543E+02	1.887E-02	-1.596E+05	7.421E+06	0.000E+00	0.000E+00
137	2	127.25	1	-2.961E+01	3.014E+04	-3.543E+02	1.887E-02	-1.145E+05	1.139E+07	-3.994E-02	-5.543E-04
137	3	254.50	1	-2.748E+01	2.797E+04	-3.543E+02	1.887E-02	-6.946E+04	1.509E+07	-5.786E-02	-6.076E-04
137	4	381.75	1	-2.535E+01	2.581E+04	-3.543E+02	1.887E-02	-2.437E+04	1.851E+07	-4.672E-02	-3.571E-04
137	5	509.00	1	-2.322E+01	2.364E+04	-3.543E+02	1.887E-02	2.072E+04	2.166E+07	-1.046E-09	-7.136E-11
138	1	0.00	1	-3.174E+01	3.231E+04	3.543E+02	-1.887E-02	1.596E+05	7.421E+06	0.000E+00	0.000E+00
138	2	127.25	1	-2.961E+01	3.014E+04	3.543E+02	-1.887E-02	1.145E+05	1.139E+07	-3.994E-02	5.543E-04
138	3	254.50	1	-2.748E+01	2.797E+04	3.543E+02	-1.887E-02	6.946E+04	1.509E+07	-5.786E-02	6.076E-04
138	4	381.75	1	-2.535E+01	2.581E+04	3.543E+02	-1.887E-02	2.437E+04	1.851E+07	-4.672E-02	3.571E-04
138	5	509.00	1	-2.322E+01	2.364E+04	3.543E+02	-1.887E-02	-2.072E+04	2.166E+07	-1.046E-09	7.137E-11
139	1	0.00	1	-1.376E+01	1.404E+04	4.254E+01	9.416E-03	2.045E+04	2.166E+07	0.000E+00	0.000E+00
139	2	127.50	1	-1.164E+01	1.187E+04	4.254E+01	9.416E-03	1.503E+04	2.331E+07	-6.983E-02	7.516E-05
139	3	255.00	1	-9.507E+00	9.698E+03	4.254E+01	9.416E-03	9.602E+03	2.469E+07	-9.477E-02	8.433E-05
139	4	382.50	1	-7.379E+00	7.527E+03	4.254E+01	9.416E-03	4.178E+03	2.578E+07	-7.219E-02	5.134E-05
139	5	510.00	1	-5.251E+00	5.356E+03	4.254E+01	9.416E-03	-1.246E+03	2.661E+07	-1.170E-09	-1.477E-12
140	1	0.00	1	-1.376E+01	1.404E+04	-4.254E+01	-9.416E-03	-2.045E+04	2.166E+07	0.000E+00	0.000E+00
140	2	127.50	1	-1.164E+01	1.187E+04	-4.254E+01	-9.416E-03	-1.503E+04	2.331E+07	-6.983E-02	-7.516E-05
140	3	255.00	1	-9.507E+00	9.698E+03	-4.254E+01	-9.416E-03	-9.602E+03	2.469E+07	-9.477E-02	-8.433E-05
140	4	382.50	1	-7.379E+00	7.527E+03	-4.254E+01	-9.416E-03	-4.178E+03	2.578E+07	-7.219E-02	-5.134E-05
140	5	510.00	1	-5.251E+00	5.356E+03	-4.254E+01	-9.416E-03	1.246E+03	2.661E+07	-1.170E-09	1.478E-12
141	1	0.00	1	5.251E+00	-5.356E+03	-2.593E+00	-9.416E-03	-1.298E+03	2.661E+07	0.000E+00	0.000E+00
141	2	127.50	1	7.379E+00	-7.527E+03	-2.593E+00	-9.416E-03	-9.679E+02	2.578E+07	-7.219E-02	-4.923E-06
141	3	255.00	1	9.507E+00	-9.698E+03	-2.593E+00	-9.416E-03	-6.373E+02	2.469E+07	-9.477E-02	-5.597E-06
141	4	382.50	1	1.164E+01	-1.187E+04	-2.593E+00	-9.416E-03	-3.067E+02	2.331E+07	-6.983E-02	-3.472E-06
141	5	510.00	1	1.376E+01	-1.404E+04	-2.593E+00	-9.416E-03	2.387E+01	2.166E+07	2.367E-09	4.826E-13
142	1	0.00	1	5.251E+00	-5.356E+03	2.593E+00	9.416E-03	1.298E+03	2.661E+07	0.000E+00	0.000E+00
142	2	127.50	1	7.379E+00	-7.527E+03	2.593E+00	9.416E-03	9.679E+02	2.578E+07	-7.219E-02	4.923E-06
142	3	255.00	1	9.507E+00	-9.698E+03	2.593E+00	9.416E-03	6.373E+02	2.469E+07	-9.477E-02	5.597E-06
142	4	382.50	1	1.164E+01	-1.187E+04	2.593E+00	9.416E-03	3.067E+02	2.331E+07	-6.983E-02	3.472E-06
142	5	510.00	1	1.376E+01	-1.404E+04	2.593E+00	9.416E-03	-2.387E+01	2.166E+07	2.367E-09	-4.821E-13
143	1	0.00	1	2.322E+01	-2.364E+04	5.137E-01	-1.887E-02	-3.643E+01	2.166E+07	0.000E+00	0.000E+00
143	2	127.25	1	2.535E+01	-2.581E+04	5.137E-01	-1.887E-02	-1.018E+02	1.851E+07	-4.672E-02	-9.538E-07
143	3	254.50	1	2.748E+01	-2.797E+04	5.137E-01	-1.887E-02	-1.672E+02	1.509E+07	-5.786E-02	-1.462E-08

143	4	381.75	1	2.961E+01	-3.014E+04	5.137E-01	-1.887E-02	-2.325E+02	1.139E+07	-3.994E-02	-1.240E-06
143	5	509.00	1	3.174E+01	-3.231E+04	5.137E-01	-1.887E-02	-2.979E+02	7.421E+06	-1.006E-08	1.764E-13
144	1	0.00	1	2.322E+01	-2.364E+04	-5.137E-01	1.887E-02	3.643E+01	2.166E+07	0.000E+00	0.000E+00
144	2	127.25	1	2.535E+01	-2.581E+04	-5.137E-01	1.887E-02	1.018E+02	1.851E+07	-4.672E-02	9.538E-07
144	3	254.50	1	2.748E+01	-2.797E+04	-5.137E-01	1.887E-02	1.672E+02	1.509E+07	-5.786E-02	1.462E-06
144	4	381.75	1	2.961E+01	-3.014E+04	-5.137E-01	1.887E-02	2.325E+02	1.139E+07	-3.994E-02	1.240E-06
144	5	509.00	1	3.174E+01	-3.231E+04	-5.137E-01	1.887E-02	2.979E+02	7.421E+06	-1.006E-08	-1.758E-13
145	1	0.00	1	4.385E+01	-3.968E+04	-2.257E+00	-1.138E-01	-3.480E+02	7.421E+06	0.000E+00	0.000E+00
145	2	45.25	1	4.470E+01	-4.045E+04	-2.257E+00	-1.138E-01	-2.459E+02	5.608E+06	-1.647E-03	-1.475E-07
145	3	90.50	1	4.555E+01	-4.123E+04	-2.257E+00	-1.138E-01	-1.438E+02	3.760E+06	-1.898E-03	-1.590E-07
145	4	135.75	1	4.640E+01	-4.200E+04	-2.257E+00	-1.138E-01	-4.166E+01	1.877E+06	-1.198E-03	-9.103E-08
145	5	181.00	1	4.726E+01	-4.277E+04	-2.257E+00	-1.138E-01	6.046E+01	-4.053E+04	-2.864E-10	-1.209E-14
146	1	0.00	1	4.385E+01	-3.968E+04	2.257E+00	1.138E-01	3.480E+02	7.421E+06	0.000E+00	0.000E+00
146	2	45.25	1	4.470E+01	-4.045E+04	2.257E+00	1.138E-01	2.459E+02	5.608E+06	-1.647E-03	1.475E-07
146	3	90.50	1	4.555E+01	-4.123E+04	2.257E+00	1.138E-01	1.438E+02	3.760E+06	-1.898E-03	1.590E-07
146	4	135.75	1	4.640E+01	-4.200E+04	2.257E+00	1.138E-01	4.166E+01	1.877E+06	-1.198E-03	9.103E-08
146	5	181.00	1	4.726E+01	-4.277E+04	2.257E+00	1.138E-01	-6.046E+01	-4.053E+04	-2.864E-10	1.219E-14
147	1	0.00	1	-3.581E-12	1.175E+03	5.529E-13	2.862E-16	3.136E-11	-4.053E+04	0.000E+00	0.000E+00
147	2	17.25	1	-3.581E-12	8.812E+02	5.529E-13	2.862E-16	2.183E-11	-2.280E+04	-9.263E-06	0.000E+00
147	3	34.50	1	-3.581E-12	5.874E+02	5.529E-13	2.862E-16	1.229E-11	-1.013E+04	-1.262E-05	0.000E+00
147	4	51.75	1	-3.581E-12	2.937E+02	5.529E-13	2.862E-16	2.750E-12	-2.533E+03	-9.618E-06	0.000E+00
147	5	69.00	1	-3.581E-12	8.166E-10	5.529E-13	2.862E-16	-6.788E-12	2.567E-08	3.799E-13	0.000E+00
148	1	0.00	1	-7.276E-12	1.175E+03	1.918E-13	-1.185E-16	4.496E-08	-4.053E+04	0.000E+00	0.000E+00
148	2	17.25	1	-7.276E-12	8.812E+02	1.918E-13	-1.185E-16	4.496E-08	-2.280E+04	-9.263E-06	5.359E-18
148	3	34.50	1	-7.276E-12	5.874E+02	1.918E-13	-1.185E-16	4.495E-08	-1.013E+04	-1.262E-05	7.145E-18
148	4	51.75	1	-7.276E-12	2.937E+02	1.918E-13	-1.185E-16	4.495E-08	-2.533E+03	-9.618E-06	5.359E-18
148	5	69.00	1	-7.276E-12	2.782E-10	1.918E-13	-1.185E-16	4.495E-08	-6.643E-08	3.799E-13	-6.057E-25
149	1	0.00	1	-3.695E-12	-2.127E-10	-1.829E-12	0.000E+00	-1.245E-10	7.458E-08	0.000E+00	0.000E+00
149	2	17.25	1	-3.695E-12	-2.937E+02	-1.829E-12	0.000E+00	-9.300E-11	-2.533E+03	-9.618E-06	0.000E+00
149	3	34.50	1	-3.695E-12	-5.874E+02	-1.829E-12	0.000E+00	-6.145E-11	-1.013E+04	-1.262E-05	0.000E+00
149	4	51.75	1	-3.695E-12	-8.812E+02	-1.829E-12	0.000E+00	-2.991E-11	-2.280E+04	-9.263E-06	0.000E+00
149	5	69.00	1	-3.695E-12	-1.175E+03	-1.829E-12	0.000E+00	1.640E-12	-4.053E+04	7.477E-15	0.000E+00
150	1	0.00	1	-1.876E-12	9.223E-12	-2.029E-13	0.000E+00	-6.037E-11	7.412E-08	0.000E+00	0.000E+00
150	2	17.25	1	-1.876E-12	-2.937E+02	-2.029E-13	0.000E+00	-5.687E-11	-2.533E+03	-9.618E-06	0.000E+00
150	3	34.50	1	-1.876E-12	-5.874E+02	-2.029E-13	0.000E+00	-5.337E-11	-1.013E+04	-1.262E-05	0.000E+00
150	4	51.75	1	-1.876E-12	-8.812E+02	-2.029E-13	0.000E+00	-4.987E-11	-2.280E+04	-9.263E-06	0.000E+00
150	5	69.00	1	-1.876E-12	-1.175E+03	-2.029E-13	0.000E+00	-4.636E-11	-4.053E+04	7.480E-15	0.000E+00
151	1	0.00	1	-4.726E+01	4.277E+04	-2.487E+00	1.138E-01	-5.983E+01	-4.053E+04	0.000E+00	0.000E+00
151	2	45.25	1	-4.640E+01	4.200E+04	-2.487E+00	1.138E-01	5.270E+01	1.877E+06	-1.198E-03	1.060E-07
151	3	90.50	1	-4.555E+01	4.123E+04	-2.487E+00	1.138E-01	1.652E+02	3.760E+06	-1.898E-03	1.828E-07
151	4	135.75	1	-4.470E+01	4.045E+04	-2.487E+00	1.138E-01	2.777E+02	5.608E+06	-1.647E-03	1.682E-07
151	5	181.00	1	-4.385E+01	3.968E+04	-2.487E+00	1.138E-01	3.903E+02	7.421E+06	-3.586E-11	-7.950E-15
152	1	0.00	1	-4.726E+01	4.277E+04	2.487E+00	-1.138E-01	5.983E+01	-4.053E+04	0.000E+00	0.000E+00
152	2	45.25	1	-4.640E+01	4.200E+04	2.487E+00	-1.138E-01	-5.270E+01	1.877E+06	-1.198E-03	-1.060E-07
152	3	90.50	1	-4.555E+01	4.123E+04	2.487E+00	-1.138E-01	-1.652E+02	3.760E+06	-1.898E-03	-1.828E-07
152	4	135.75	1	-4.470E+01	4.045E+04	2.487E+00	-1.138E-01	-2.777E+02	5.608E+06	-1.647E-03	-1.682E-07
152	5	181.00	1	-4.385E+01	3.968E+04	2.487E+00	-1.138E-01	-3.903E+02	7.421E+06	-3.586E-11	7.961E-15
153	1	0.00	1	-3.174E+01	3.231E+04	7.684E-01	1.887E-02	3.405E+02	7.421E+06	0.000E+00	0.000E+00
153	2	127.25	1	-2.961E+01	3.014E+04	7.684E-01	1.887E-02	2.428E+02	1.139E+07	-3.994E-02	1.165E-06
153	3	254.50	1	-2.748E+01	2.797E+04	7.684E-01	1.887E-02	1.450E+02	1.509E+07	-5.786E-02	1.268E-06
153	4	381.75	1	-2.535E+01	2.581E+04	7.684E-01	1.887E-02	4.719E+01	1.851E+07	-4.672E-02	7.373E-07
153	5	509.00	1	-2.322E+01	2.364E+04	7.684E-01	1.887E-02	-5.059E+01	2.166E+07	-5.530E-10	-2.785E-13
154	1	0.00	1	-3.174E+01	3.231E+04	-7.684E-01	-1.887E-02	-3.405E+02	7.421E+06	0.000E+00	0.000E+00
154	2	127.25	1	-2.961E+01	3.014E+04	-7.684E-01	-1.887E-02	-2.428E+02	1.139E+07	-3.994E-02	-1.165E-06
154	3	254.50	1	-2.748E+01	2.797E+04	-7.684E-01	-1.887E-02	-1.450E+02	1.509E+07	-5.786E-02	-1.268E-06
154	4	381.75	1	-2.535E+01	2.581E+04	-7.684E-01	-1.887E-02	-4.719E+01	1.851E+07	-4.672E-02	-7.373E-07
154	5	509.00	1	-2.322E+01	2.364E+04	-7.684E-01	-1.887E-02	5.059E+01	2.166E+07	-5.529E-10	2.786E-13
155	1	0.00	1	-1.376E+01	1.404E+04	2.144E+00	9.416E-03	-1.110E+02	2.166E+07	0.000E+00	0.000E+00
155	2	127.50	1	-1.164E+01	1.187E+04	2.144E+00	9.416E-03	-3.845E+02	2.331E+07	-6.983E-02	-3.733E-06
155	3	255.00	1	-9.507E+00	9.698E+03	2.144E+00	9.416E-03	-6.579E+02	2.469E+07	-9.477E-02	-5.778E-06
155	4	382.50	1	-7.379E+00	7.527E+03	2.144E+00	9.416E-03	-9.313E+02	2.578E+07	-7.219E-02	-4.933E-06
155	5	510.00	1	-5.251E+00	5.356E+03	2.144E+00	9.416E-03	-1.205E+03	2.661E+07	-1.346E-09	-2.104E-13

156	1	0.00	1	-1.376E+01	1.404E+04	-2.144E+00	-9.416E-03	1.110E+02	2.166E+07	0.000E+00	0.000E+00
156	2	127.50	1	-1.164E+01	1.187E+04	-2.144E+00	-9.416E-03	3.845E+02	2.331E+07	-6.983E-02	3.733E-06
156	3	255.00	1	-9.507E+00	9.698E+03	-2.144E+00	-9.416E-03	6.579E+02	2.469E+07	-9.477E-02	5.778E-06
156	4	382.50	1	-7.379E+00	7.527E+03	-2.144E+00	-9.416E-03	9.313E+02	2.578E+07	-7.219E-02	4.933E-06
156	5	510.00	1	-5.251E+00	5.356E+03	-2.144E+00	-9.416E-03	1.205E+03	2.661E+07	-1.346E-09	2.104E-13
157	1	0.00	1	5.251E+00	-5.356E+03	-4.206E+01	-9.417E-03	-1.288E+03	2.661E+07	0.000E+00	0.000E+00
157	2	127.50	1	7.379E+00	-7.527E+03	-4.206E+01	-9.417E-03	4.076E+03	2.578E+07	-7.219E-02	5.039E-05
157	3	255.00	1	9.507E+00	-9.698E+03	-4.206E+01	-9.417E-03	9.439E+03	2.469E+07	-9.477E-02	8.289E-05
157	4	382.50	1	1.164E+01	-1.187E+04	-4.206E+01	-9.417E-03	1.480E+04	2.331E+07	-6.983E-02	7.394E-05
157	5	510.00	1	1.376E+01	-1.404E+04	-4.206E+01	-9.417E-03	2.017E+04	2.166E+07	2.451E-09	5.940E-13
158	1	0.00	1	5.251E+00	-5.356E+03	4.206E+01	9.417E-03	1.288E+03	2.661E+07	0.000E+00	0.000E+00
158	2	127.50	1	7.379E+00	-7.527E+03	4.206E+01	9.417E-03	-4.076E+03	2.578E+07	-7.219E-02	-5.039E-05
158	3	255.00	1	9.507E+00	-9.698E+03	4.206E+01	9.417E-03	-9.439E+03	2.469E+07	-9.477E-02	-8.289E-05
158	4	382.50	1	1.164E+01	-1.187E+04	4.206E+01	9.417E-03	-1.480E+04	2.331E+07	-6.983E-02	-7.394E-05
158	5	510.00	1	1.376E+01	-1.404E+04	4.206E+01	9.417E-03	-2.017E+04	2.166E+07	2.451E-09	-5.940E-13
159	1	0.00	1	2.322E+01	-2.364E+04	3.483E+02	-1.887E-02	2.031E+04	2.166E+07	0.000E+00	0.000E+00
159	2	127.25	1	2.535E+01	-2.581E+04	3.483E+02	-1.887E-02	-2.402E+04	1.851E+07	-4.672E-02	-3.514E-04
159	3	254.50	1	2.748E+01	-2.797E+04	3.483E+02	-1.887E-02	-6.834E+04	1.509E+07	-5.786E-02	-5.978E-04
159	4	381.75	1	2.961E+01	-3.014E+04	3.483E+02	-1.887E-02	-1.127E+05	1.139E+07	-3.994E-02	-5.453E-04
159	5	509.00	1	3.174E+01	-3.231E+04	3.483E+02	-1.887E-02	-1.570E+05	7.421E+06	-9.714E-09	-3.901E-12
160	1	0.00	1	2.322E+01	-2.364E+04	-3.483E+02	1.887E-02	-2.031E+04	2.166E+07	0.000E+00	0.000E+00
160	2	127.25	1	2.535E+01	-2.581E+04	-3.483E+02	1.887E-02	2.402E+04	1.851E+07	-4.672E-02	3.514E-04
160	3	254.50	1	2.748E+01	-2.797E+04	-3.483E+02	1.887E-02	6.834E+04	1.509E+07	-5.786E-02	5.978E-04
160	4	381.75	1	2.961E+01	-3.014E+04	-3.483E+02	1.887E-02	1.127E+05	1.139E+07	-3.994E-02	5.453E-04
160	5	509.00	1	3.174E+01	-3.231E+04	-3.483E+02	1.887E-02	1.570E+05	7.421E+06	-9.714E-09	3.901E-12
161	1	0.00	1	4.385E+01	-3.968E+04	-9.149E+02	-1.138E-01	-1.584E+05	7.421E+06	0.000E+00	0.000E+00
161	2	45.25	1	4.470E+01	-4.045E+04	-9.149E+02	-1.138E-01	-1.170E+05	5.608E+06	-1.647E-03	-7.420E-05
161	3	90.50	1	4.555E+01	-4.123E+04	-9.149E+02	-1.138E-01	-7.564E+04	3.760E+06	-1.898E-03	-8.367E-05
161	4	135.75	1	4.640E+01	-4.200E+04	-9.149E+02	-1.138E-01	-3.424E+04	1.877E+06	-1.198E-03	-5.130E-05
161	5	181.00	1	4.726E+01	-4.277E+04	-9.149E+02	-1.138E-01	7.164E+03	-4.053E+04	-6.289E-10	1.992E-11
162	1	0.00	1	4.385E+01	-3.968E+04	9.149E+02	1.138E-01	1.584E+05	7.421E+06	0.000E+00	0.000E+00
162	2	45.25	1	4.470E+01	-4.045E+04	9.149E+02	1.138E-01	1.170E+05	5.608E+06	-1.647E-03	7.420E-05
162	3	90.50	1	4.555E+01	-4.123E+04	9.149E+02	1.138E-01	7.564E+04	3.760E+06	-1.898E-03	8.367E-05
162	4	135.75	1	4.640E+01	-4.200E+04	9.149E+02	1.138E-01	3.424E+04	1.877E+06	-1.198E-03	5.130E-05
162	5	181.00	1	4.726E+01	-4.277E+04	9.149E+02	1.138E-01	-7.164E+03	-4.053E+04	-6.289E-10	-1.992E-11
163	1	0.00	1	-1.703E+00	1.175E+03	1.253E-10	-3.276E-12	5.595E-09	-4.053E+04	0.000E+00	0.000E+00
163	2	17.25	1	-1.277E+00	8.812E+02	1.253E-10	-3.276E-12	3.434E-09	-2.280E+04	-9.263E-06	2.321E-19
163	3	34.50	1	-8.514E-01	5.874E+02	1.253E-10	-3.276E-12	1.274E-09	-1.013E+04	-1.262E-05	1.945E-19
163	4	51.75	1	-4.257E-01	2.937E+02	1.253E-10	-3.276E-12	-8.871E-10	-2.533E+03	-9.618E-06	5.963E-20
163	5	69.00	1	3.200E-11	-6.440E-10	1.253E-10	-3.276E-12	-3.048E-09	-8.655E-08	1.621E-13	-3.305E-26
164	1	0.00	1	-1.703E+00	1.175E+03	5.606E-12	-6.821E-12	1.992E-09	-4.053E+04	0.000E+00	0.000E+00
164	2	17.25	1	-1.277E+00	8.812E+02	5.606E-12	-6.821E-12	1.895E-09	-2.280E+04	-9.263E-06	1.829E-19
164	3	34.50	1	-8.514E-01	5.874E+02	5.606E-12	-6.821E-12	1.798E-09	-1.013E+04	-1.262E-05	2.346E-19
164	4	51.75	1	-4.257E-01	2.937E+02	5.606E-12	-6.821E-12	1.702E-09	-2.533E+03	-9.618E-06	1.690E-19
164	5	69.00	1	-7.577E-11	1.075E-09	5.606E-12	-6.821E-12	1.605E-09	1.064E-08	1.621E-13	-6.115E-26
165	1	0.00	1	2.610E-12	1.468E-11	3.794E-12	-3.635E-16	-1.819E-12	2.798E-08	0.000E+00	0.000E+00
165	2	17.25	1	4.257E-01	-2.937E+02	3.794E-12	-3.635E-16	-6.727E-11	-2.533E+03	-9.618E-06	0.000E+00
165	3	34.50	1	8.514E-01	-5.874E+02	3.794E-12	-3.635E-16	-1.327E-10	-1.013E+04	-1.262E-05	0.000E+00
165	4	51.75	1	1.277E+00	-8.812E+02	3.794E-12	-3.635E-16	-1.982E-10	-2.280E+04	-9.263E-06	0.000E+00
165	5	69.00	1	1.703E+00	-1.175E+03	3.794E-12	-3.635E-16	-2.636E-10	-4.053E+04	-1.369E-14	0.000E+00
166	1	0.00	1	6.602E-14	-2.534E-11	-2.629E-12	-3.474E-16	9.732E-11	7.082E-08	0.000E+00	0.000E+00
166	2	17.25	1	4.257E-01	-2.937E+02	-2.629E-12	-3.474E-16	1.427E-10	-2.533E+03	-9.618E-06	0.000E+00
166	3	34.50	1	8.514E-01	-5.874E+02	-2.629E-12	-3.474E-16	1.880E-10	-1.013E+04	-1.262E-05	0.000E+00
166	4	51.75	1	1.277E+00	-8.812E+02	-2.629E-12	-3.474E-16	2.334E-10	-2.280E+04	-9.263E-06	0.000E+00
166	5	69.00	1	1.703E+00	-1.175E+03	-2.629E-12	-3.474E-16	2.787E-10	-4.053E+04	-1.370E-14	0.000E+00
167	1	0.00	1	-4.726E+01	4.277E+04	9.293E+02	1.138E-01	7.193E+03	-4.053E+04	0.000E+00	0.000E+00
167	2	45.25	1	-4.640E+01	4.200E+04	9.293E+02	1.138E-01	-3.486E+04	1.877E+06	-1.198E-03	-5.218E-05
167	3	90.50	1	-4.555E+01	4.123E+04	9.293E+02	1.138E-01	-7.691E+04	3.760E+06	-1.898E-03	-8.507E-05
167	4	135.75	1	-4.470E+01	4.045E+04	9.293E+02	1.138E-01	-1.190E+05	5.608E+06	-1.647E-03	-7.543E-05
167	5	181.00	1	-4.385E+01	3.968E+04	9.293E+02	1.138E-01	-1.610E+05	7.421E+06	-1.187E-10	-1.008E-12
168	1	0.00	1	-4.726E+01	4.277E+04	-9.293E+02	-1.138E-01	-7.193E+03	-4.053E+04	0.000E+00	0.000E+00
168	2	45.25	1	-4.640E+01	4.200E+04	-9.293E+02	-1.138E-01	3.486E+04	1.877E+06	-1.198E-03	5.218E-05

168	3	90.50	1	-4.555E+01	4.123E+04	-9.293E+02	-1.138E-01	7.691E+04	3.760E+06	-1.898E-03	8.507E-05
168	4	135.75	1	-4.470E+01	4.045E+04	-9.293E+02	-1.138E-01	1.190E+05	5.608E+06	-1.647E-03	7.543E-05
168	5	181.00	1	-4.385E+01	3.968E+04	-9.293E+02	-1.138E-01	1.610E+05	7.421E+06	-1.187E-10	1.008E-12
169	1	0.00	1	-3.174E+01	3.231E+04	-3.543E+02	1.887E-02	-1.596E+05	7.421E+06	0.000E+00	0.000E+00
169	2	127.25	1	-2.961E+01	3.014E+04	-3.543E+02	1.887E-02	-1.145E+05	1.139E+07	-3.994E-02	-5.543E-04
169	3	254.50	1	-2.748E+01	2.797E+04	-3.543E+02	1.887E-02	-6.946E+04	1.509E+07	-5.786E-02	-6.076E-04
169	4	381.75	1	-2.535E+01	2.581E+04	-3.543E+02	1.887E-02	-2.437E+04	1.851E+07	-4.672E-02	-3.571E-04
169	5	509.00	1	-2.322E+01	2.364E+04	-3.543E+02	1.887E-02	2.072E+04	2.166E+07	-1.046E-09	-7.137E-11
170	1	0.00	1	-3.174E+01	3.231E+04	3.543E+02	-1.887E-02	1.596E+05	7.421E+06	0.000E+00	0.000E+00
170	2	127.25	1	-2.961E+01	3.014E+04	3.543E+02	-1.887E-02	1.145E+05	1.139E+07	-3.994E-02	5.543E-04
170	3	254.50	1	-2.748E+01	2.797E+04	3.543E+02	-1.887E-02	6.946E+04	1.509E+07	-5.786E-02	6.076E-04
170	4	381.75	1	-2.535E+01	2.581E+04	3.543E+02	-1.887E-02	2.437E+04	1.851E+07	-4.672E-02	3.571E-04
170	5	509.00	1	-2.322E+01	2.364E+04	3.543E+02	-1.887E-02	-2.072E+04	2.166E+07	-1.046E-09	7.137E-11
171	1	0.00	1	-1.376E+01	1.404E+04	4.254E+01	9.416E-03	2.045E+04	2.166E+07	0.000E+00	0.000E+00
171	2	127.50	1	-1.164E+01	1.187E+04	4.254E+01	9.416E-03	1.503E+04	2.331E+07	-6.983E-02	7.516E-05
171	3	255.00	1	-9.507E+00	9.698E+03	4.254E+01	9.416E-03	9.602E+03	2.469E+07	-9.477E-02	8.433E-05
171	4	382.50	1	-7.379E+00	7.527E+03	4.254E+01	9.416E-03	4.178E+03	2.578E+07	-7.219E-02	5.134E-05
171	5	510.00	1	-5.251E+00	5.356E+03	4.254E+01	9.416E-03	-1.246E+03	2.661E+07	-1.170E-09	-1.477E-12
172	1	0.00	1	-1.376E+01	1.404E+04	-4.254E+01	-9.416E-03	-2.045E+04	2.166E+07	0.000E+00	0.000E+00
172	2	127.50	1	-1.164E+01	1.187E+04	-4.254E+01	-9.416E-03	-1.503E+04	2.331E+07	-6.983E-02	-7.516E-05
172	3	255.00	1	-9.507E+00	9.698E+03	-4.254E+01	-9.416E-03	-9.602E+03	2.469E+07	-9.477E-02	-8.433E-05
172	4	382.50	1	-7.379E+00	7.527E+03	-4.254E+01	-9.416E-03	-4.178E+03	2.578E+07	-7.219E-02	-5.134E-05
172	5	510.00	1	-5.251E+00	5.356E+03	-4.254E+01	-9.416E-03	1.246E+03	2.661E+07	-1.170E-09	1.477E-12
173	1	0.00	1	5.251E+00	-5.356E+03	-2.593E+00	-9.416E-03	-1.298E+03	2.661E+07	0.000E+00	0.000E+00
173	2	127.50	1	7.379E+00	-7.527E+03	-2.593E+00	-9.416E-03	-9.679E+02	2.578E+07	-7.219E-02	-4.923E-06
173	3	255.00	1	9.507E+00	-9.698E+03	-2.593E+00	-9.416E-03	-6.373E+02	2.469E+07	-9.477E-02	-5.597E-06
173	4	382.50	1	1.164E+01	-1.187E+04	-2.593E+00	-9.416E-03	-3.067E+02	2.331E+07	-6.983E-02	-3.472E-06
173	5	510.00	1	1.376E+01	-1.404E+04	-2.593E+00	-9.416E-03	2.387E+01	2.166E+07	2.367E-09	4.823E-13
174	1	0.00	1	5.251E+00	-5.356E+03	2.593E+00	9.416E-03	1.298E+03	2.661E+07	0.000E+00	0.000E+00
174	2	127.50	1	7.379E+00	-7.527E+03	2.593E+00	9.416E-03	9.679E+02	2.578E+07	-7.219E-02	4.923E-06
174	3	255.00	1	9.507E+00	-9.698E+03	2.593E+00	9.416E-03	6.373E+02	2.469E+07	-9.477E-02	5.597E-06
174	4	382.50	1	1.164E+01	-1.187E+04	2.593E+00	9.416E-03	3.067E+02	2.331E+07	-6.983E-02	3.472E-06
174	5	510.00	1	1.376E+01	-1.404E+04	2.593E+00	9.416E-03	-2.387E+01	2.166E+07	2.367E-09	-4.823E-13
175	1	0.00	1	2.322E+01	-2.364E+04	5.137E-01	-1.887E-02	-3.643E+01	2.166E+07	0.000E+00	0.000E+00
175	2	127.25	1	2.535E+01	-2.581E+04	5.137E-01	-1.887E-02	-1.018E+02	1.851E+07	-4.672E-02	-9.538E-07
175	3	254.50	1	2.748E+01	-2.797E+04	5.137E-01	-1.887E-02	-1.672E+02	1.509E+07	-5.786E-02	-1.462E-06
175	4	381.75	1	2.961E+01	-3.014E+04	5.137E-01	-1.887E-02	-2.325E+02	1.139E+07	-3.994E-02	-1.240E-06
175	5	509.00	1	3.174E+01	-3.231E+04	5.137E-01	-1.887E-02	-2.979E+02	7.421E+06	-1.006E-08	1.762E-13
176	1	0.00	1	2.322E+01	-2.364E+04	-5.137E-01	1.887E-02	3.643E+01	2.166E+07	0.000E+00	0.000E+00
176	2	127.25	1	2.535E+01	-2.581E+04	-5.137E-01	1.887E-02	1.018E+02	1.851E+07	-4.672E-02	9.538E-07
176	3	254.50	1	2.748E+01	-2.797E+04	-5.137E-01	1.887E-02	1.672E+02	1.509E+07	-5.786E-02	1.462E-06
176	4	381.75	1	2.961E+01	-3.014E+04	-5.137E-01	1.887E-02	2.325E+02	1.139E+07	-3.994E-02	1.240E-06
176	5	509.00	1	3.174E+01	-3.231E+04	-5.137E-01	1.887E-02	2.979E+02	7.421E+06	-1.006E-08	-1.761E-13
177	1	0.00	1	4.385E+01	-3.968E+04	-2.257E+00	-1.138E-01	-3.480E+02	7.421E+06	0.000E+00	0.000E+00
177	2	45.25	1	4.470E+01	-4.045E+04	-2.257E+00	-1.138E-01	-2.459E+02	5.608E+06	-1.647E-03	-1.475E-07
177	3	90.50	1	4.555E+01	-4.123E+04	-2.257E+00	-1.138E-01	-1.438E+02	3.760E+06	-1.898E-03	-1.590E-07
177	4	135.75	1	4.640E+01	-4.200E+04	-2.257E+00	-1.138E-01	-4.166E+01	1.877E+06	-1.198E-03	-9.103E-08
177	5	181.00	1	4.726E+01	-4.277E+04	-2.257E+00	-1.138E-01	6.046E+01	-4.053E+04	-2.864E-10	-1.210E-14
178	1	0.00	1	4.385E+01	-3.968E+04	2.257E+00	1.138E-01	3.480E+02	7.421E+06	0.000E+00	0.000E+00
178	2	45.25	1	4.470E+01	-4.045E+04	2.257E+00	1.138E-01	2.459E+02	5.608E+06	-1.647E-03	1.475E-07
178	3	90.50	1	4.555E+01	-4.123E+04	2.257E+00	1.138E-01	1.438E+02	3.760E+06	-1.898E-03	1.590E-07
178	4	135.75	1	4.640E+01	-4.200E+04	2.257E+00	1.138E-01	4.166E+01	1.877E+06	-1.198E-03	9.103E-08
178	5	181.00	1	4.726E+01	-4.277E+04	2.257E+00	1.138E-01	-6.046E+01	-4.053E+04	-2.864E-10	1.210E-14
179	1	0.00	1	5.684E-14	1.175E+03	-2.021E-13	8.020E-17	-1.076E-10	-4.053E+04	0.000E+00	0.000E+00
179	2	17.25	1	5.684E-14	8.812E+02	-2.021E-13	8.020E-17	-1.041E-10	-2.280E+04	-9.263E-06	0.000E+00
179	3	34.50	1	5.684E-14	5.874E+02	-2.021E-13	8.020E-17	-1.006E-10	-1.013E+04	-1.262E-05	0.000E+00
179	4	51.75	1	5.684E-14	2.937E+02	-2.021E-13	8.020E-17	-9.715E-11	-2.533E+03	-9.618E-06	0.000E+00
179	5	69.00	1	5.684E-14	2.945E-10	-2.021E-13	8.020E-17	-9.366E-11	4.786E-08	3.799E-13	0.000E+00
180	1	0.00	1	-1.592E-12	1.175E+03	6.457E-12	-1.225E-15	2.577E-10	-4.053E+04	0.000E+00	0.000E+00
180	2	17.25	1	-1.592E-12	8.812E+02	6.457E-12	-1.225E-15	1.463E-10	-2.280E+04	-9.263E-06	0.000E+00
180	3	34.50	1	-1.592E-12	5.874E+02	6.457E-12	-1.225E-15	3.496E-11	-1.013E+04	-1.262E-05	0.000E+00
180	4	51.75	1	-1.592E-12	2.937E+02	6.457E-12	-1.225E-15	-7.642E-11	-2.533E+03	-9.618E-06	0.000E+00

180	5	69.00	1	-1.592E-12	-1.244E-09	6.457E-12	-1.225E-15	-1.878E-10	6.135E-08	3.799E-13	0.000E+00
181	1	0.00	1	-3.865E-12	1.238E-10	-1.417E-12	0.000E+00	7.367E-11	7.319E-08	0.000E+00	0.000E+00
181	2	17.25	1	-3.865E-12	-2.937E+02	-1.417E-12	0.000E+00	9.811E-11	-2.533E+03	-9.618E-06	0.000E+00
181	3	34.50	1	-3.865E-12	-5.874E+02	-1.417E-12	0.000E+00	1.226E-10	-1.013E+04	-1.262E-05	0.000E+00
181	4	51.75	1	-3.865E-12	-8.812E+02	-1.417E-12	0.000E+00	1.470E-10	-2.280E+04	-9.263E-06	0.000E+00
181	5	69.00	1	-3.865E-12	-1.175E+03	-1.417E-12	0.000E+00	1.714E-10	-4.053E+04	7.475E-15	0.000E+00
182	1	0.00	1	-3.695E-12	1.104E-11	6.106E-13	0.000E+00	7.543E-11	8.762E-08	0.000E+00	0.000E+00
182	2	17.25	1	-3.695E-12	-2.937E+02	6.106E-13	0.000E+00	6.490E-11	-2.533E+03	-9.618E-06	0.000E+00
182	3	34.50	1	-3.695E-12	-5.874E+02	6.106E-13	0.000E+00	5.436E-11	-1.013E+04	-1.262E-05	0.000E+00
182	4	51.75	1	-3.695E-12	-8.812E+02	6.106E-13	0.000E+00	4.383E-11	-2.280E+04	-9.263E-06	0.000E+00
182	5	69.00	1	-3.695E-12	-1.175E+03	6.106E-13	0.000E+00	3.330E-11	-4.053E+04	7.476E-15	0.000E+00
183	1	0.00	1	-4.726E+01	4.277E+04	-2.487E+00	1.138E-01	-5.983E+01	-4.053E+04	0.000E+00	0.000E+00
183	2	45.25	1	-4.640E+01	4.200E+04	-2.487E+00	1.138E-01	5.270E+01	1.877E+06	-1.198E-03	1.060E-07
183	3	90.50	1	-4.555E+01	4.123E+04	-2.487E+00	1.138E-01	1.652E+02	3.760E+06	-1.898E-03	1.828E-07
183	4	135.75	1	-4.470E+01	4.045E+04	-2.487E+00	1.138E-01	2.777E+02	5.608E+06	-1.647E-03	1.682E-07
183	5	181.00	1	-4.385E+01	3.968E+04	-2.487E+00	1.138E-01	3.903E+02	7.421E+06	-3.586E-11	-7.968E-15
184	1	0.00	1	-4.726E+01	4.277E+04	2.487E+00	-1.138E-01	5.983E+01	-4.053E+04	0.000E+00	0.000E+00
184	2	45.25	1	-4.640E+01	4.200E+04	2.487E+00	-1.138E-01	-5.270E+01	1.877E+06	-1.198E-03	-1.060E-07
184	3	90.50	1	-4.555E+01	4.123E+04	2.487E+00	-1.138E-01	-1.652E+02	3.760E+06	-1.898E-03	-1.828E-07
184	4	135.75	1	-4.470E+01	4.045E+04	2.487E+00	-1.138E-01	-2.777E+02	5.608E+06	-1.647E-03	-1.682E-07
184	5	181.00	1	-4.385E+01	3.968E+04	2.487E+00	-1.138E-01	-3.903E+02	7.421E+06	-3.586E-11	7.943E-15
185	1	0.00	1	-3.174E+01	3.231E+04	7.684E-01	1.887E-02	3.405E+02	7.421E+06	0.000E+00	0.000E+00
185	2	127.25	1	-2.961E+01	3.014E+04	7.684E-01	1.887E-02	2.428E+02	1.139E+07	-3.994E-02	1.165E-06
185	3	254.50	1	-2.748E+01	2.797E+04	7.684E-01	1.887E-02	1.450E+02	1.509E+07	-5.786E-02	1.268E-06
185	4	381.75	1	-2.535E+01	2.581E+04	7.684E-01	1.887E-02	4.719E+01	1.851E+07	-4.672E-02	7.373E-07
185	5	509.00	1	-2.322E+01	2.364E+04	7.684E-01	1.887E-02	-5.059E+01	2.166E+07	-5.530E-10	-2.786E-13
186	1	0.00	1	-3.174E+01	3.231E+04	-7.684E-01	-1.887E-02	-3.405E+02	7.421E+06	0.000E+00	0.000E+00
186	2	127.25	1	-2.961E+01	3.014E+04	-7.684E-01	-1.887E-02	-2.428E+02	1.139E+07	-3.994E-02	-1.165E-06
186	3	254.50	1	-2.748E+01	2.797E+04	-7.684E-01	-1.887E-02	-1.450E+02	1.509E+07	-5.786E-02	-1.268E-06
186	4	381.75	1	-2.535E+01	2.581E+04	-7.684E-01	-1.887E-02	-4.719E+01	1.851E+07	-4.672E-02	-7.373E-07
186	5	509.00	1	-2.322E+01	2.364E+04	-7.684E-01	-1.887E-02	5.059E+01	2.166E+07	-5.530E-10	2.784E-13
187	1	0.00	1	-1.376E+01	1.404E+04	2.144E+00	9.416E-03	-1.110E+02	2.166E+07	0.000E+00	0.000E+00
187	2	127.50	1	-1.164E+01	1.187E+04	2.144E+00	9.416E-03	-3.845E+02	2.331E+07	-6.983E-02	-3.733E-06
187	3	255.00	1	-9.507E+00	9.698E+03	2.144E+00	9.416E-03	-6.579E+02	2.469E+07	-9.477E-02	-5.778E-06
187	4	382.50	1	-7.379E+00	7.527E+03	2.144E+00	9.416E-03	-9.313E+02	2.578E+07	-7.219E-02	-4.933E-06
187	5	510.00	1	-5.251E+00	5.356E+03	2.144E+00	9.416E-03	-1.205E+03	2.661E+07	-1.346E-09	-2.104E-13
188	1	0.00	1	-1.376E+01	1.404E+04	-2.144E+00	-9.416E-03	1.110E+02	2.166E+07	0.000E+00	0.000E+00
188	2	127.50	1	-1.164E+01	1.187E+04	-2.144E+00	-9.416E-03	3.845E+02	2.331E+07	-6.983E-02	3.733E-06
188	3	255.00	1	-9.507E+00	9.698E+03	-2.144E+00	-9.416E-03	6.579E+02	2.469E+07	-9.477E-02	5.778E-06
188	4	382.50	1	-7.379E+00	7.527E+03	-2.144E+00	-9.416E-03	9.313E+02	2.578E+07	-7.219E-02	4.933E-06
188	5	510.00	1	-5.251E+00	5.356E+03	-2.144E+00	-9.416E-03	1.205E+03	2.661E+07	-1.346E-09	2.103E-13
189	1	0.00	1	5.251E+00	-5.356E+03	-4.206E+01	-9.417E-03	-1.288E+03	2.661E+07	0.000E+00	0.000E+00
189	2	127.50	1	7.379E+00	-7.527E+03	-4.206E+01	-9.417E-03	4.076E+03	2.578E+07	-7.219E-02	5.039E-05
189	3	255.00	1	9.507E+00	-9.698E+03	-4.206E+01	-9.417E-03	9.439E+03	2.469E+07	-9.477E-02	8.289E-05
189	4	382.50	1	1.164E+01	-1.187E+04	-4.206E+01	-9.417E-03	1.480E+04	2.331E+07	-6.983E-02	7.394E-05
189	5	510.00	1	1.376E+01	-1.404E+04	-4.206E+01	-9.417E-03	2.017E+04	2.166E+07	2.451E-09	5.940E-13
190	1	0.00	1	5.251E+00	-5.356E+03	4.206E+01	9.417E-03	1.288E+03	2.661E+07	0.000E+00	0.000E+00
190	2	127.50	1	7.379E+00	-7.527E+03	4.206E+01	9.417E-03	-4.076E+03	2.578E+07	-7.219E-02	-5.039E-05
190	3	255.00	1	9.507E+00	-9.698E+03	4.206E+01	9.417E-03	-9.439E+03	2.469E+07	-9.477E-02	-8.289E-05
190	4	382.50	1	1.164E+01	-1.187E+04	4.206E+01	9.417E-03	-1.480E+04	2.331E+07	-6.983E-02	-7.394E-05
190	5	510.00	1	1.376E+01	-1.404E+04	4.206E+01	9.417E-03	-2.017E+04	2.166E+07	2.451E-09	-5.940E-13
191	1	0.00	1	2.322E+01	-2.364E+04	3.483E+02	-1.887E-02	2.031E+04	2.166E+07	0.000E+00	0.000E+00
191	2	127.25	1	2.535E+01	-2.581E+04	3.483E+02	-1.887E-02	-2.402E+04	1.851E+07	-4.672E-02	-3.514E-04
191	3	254.50	1	2.748E+01	-2.797E+04	3.483E+02	-1.887E-02	-6.834E+04	1.509E+07	-5.786E-02	-5.978E-04
191	4	381.75	1	2.961E+01	-3.014E+04	3.483E+02	-1.887E-02	-1.127E+05	1.139E+07	-3.994E-02	-5.453E-04
191	5	509.00	1	3.174E+01	-3.231E+04	3.483E+02	-1.887E-02	-1.570E+05	7.421E+06	-9.714E-09	-3.901E-12
192	1	0.00	1	2.322E+01	-2.364E+04	-3.483E+02	1.887E-02	-2.031E+04	2.166E+07	0.000E+00	0.000E+00
192	2	127.25	1	2.535E+01	-2.581E+04	-3.483E+02	1.887E-02	2.402E+04	1.851E+07	-4.672E-02	3.514E-04
192	3	254.50	1	2.748E+01	-2.797E+04	-3.483E+02	1.887E-02	6.834E+04	1.509E+07	-5.786E-02	5.978E-04
192	4	381.75	1	2.961E+01	-3.014E+04	-3.483E+02	1.887E-02	1.127E+05	1.139E+07	-3.994E-02	5.453E-04
192	5	509.00	1	3.174E+01	-3.231E+04	-3.483E+02	1.887E-02	1.570E+05	7.421E+06	-9.714E-09	3.901E-12
193	1	0.00	1	4.385E+01	-3.968E+04	-9.149E+02	-1.138E-01	-1.584E+05	7.421E+06	0.000E+00	0.000E+00

193	2	45.25	1	4.470E+01	-4.045E+04	-9.149E+02	-1.138E-01	-1.170E+05	5.608E+06	-1.647E-03	-7.420E-05
193	3	90.50	1	4.555E+01	-4.123E+04	-9.149E+02	-1.138E-01	-7.564E+04	3.760E+06	-1.898E-03	-8.367E-05
193	4	135.75	1	4.640E+01	-4.200E+04	-9.149E+02	-1.138E-01	-3.424E+04	1.877E+06	-1.198E-03	-5.130E-05
193	5	181.00	1	4.726E+01	-4.277E+04	-9.149E+02	-1.138E-01	7.164E+03	-4.053E+04	-6.289E-10	1.992E-11
194	1	0.00	1	4.385E+01	-3.968E+04	9.149E+02	1.138E-01	1.584E+05	7.421E+06	0.000E+00	0.000E+00
194	2	45.25	1	4.470E+01	-4.045E+04	9.149E+02	1.138E-01	1.170E+05	5.608E+06	-1.647E-03	7.420E-05
194	3	90.50	1	4.555E+01	-4.123E+04	9.149E+02	1.138E-01	7.564E+04	3.760E+06	-1.898E-03	8.367E-05
194	4	135.75	1	4.640E+01	-4.200E+04	9.149E+02	1.138E-01	3.424E+04	1.877E+06	-1.198E-03	5.130E-05
194	5	181.00	1	4.726E+01	-4.277E+04	9.149E+02	1.138E-01	-7.164E+03	-4.053E+04	-6.289E-10	-1.992E-11
195	1	0.00	1	-1.703E+00	1.175E+03	9.710E-11	-2.232E-12	3.944E-09	-4.053E+04	0.000E+00	0.000E+00
195	2	17.25	1	-1.277E+00	8.812E+02	9.710E-11	-2.232E-12	2.269E-09	-2.280E+04	-9.263E-06	8.364E-20
195	3	34.50	1	-8.514E-01	5.874E+02	9.710E-11	-2.232E-12	5.935E-10	-1.013E+04	-1.262E-05	3.838E-20
195	4	51.75	1	-4.257E-01	2.937E+02	9.710E-11	-2.232E-12	-1.082E-09	-2.533E+03	-9.618E-06	-2.607E-20
195	5	69.00	1	-6.658E-11	-5.495E-10	9.710E-11	-2.232E-12	-2.757E-09	3.500E-08	1.621E-13	1.966E-26
196	1	0.00	1	-1.703E+00	1.175E+03	7.887E-12	5.242E-12	-3.813E-09	-4.053E+04	0.000E+00	0.000E+00
196	2	17.25	1	-1.277E+00	8.812E+02	7.887E-12	5.242E-12	-3.949E-09	-2.280E+04	-9.263E-06	-4.580E-19
196	3	34.50	1	-8.514E-01	5.874E+02	7.887E-12	5.242E-12	-4.085E-09	-1.013E+04	-1.262E-05	-6.187E-19
196	4	51.75	1	-4.257E-01	2.937E+02	7.887E-12	5.242E-12	-4.221E-09	-2.533E+03	-9.618E-06	-4.700E-19
196	5	69.00	1	-7.762E-11	3.891E-10	7.887E-12	5.242E-12	-4.357E-09	-5.297E-08	1.621E-13	-2.052E-26
197	1	0.00	1	4.610E-12	-1.418E-10	-1.933E-12	1.412E-13	-1.173E-10	1.448E-08	0.000E+00	0.000E+00
197	2	17.25	1	4.257E-01	-2.937E+02	-1.933E-12	1.412E-13	-8.399E-11	-2.533E+03	-9.618E-06	0.000E+00
197	3	34.50	1	8.514E-01	-5.874E+02	-1.933E-12	1.412E-13	-5.065E-11	-1.013E+04	-1.262E-05	0.000E+00
197	4	51.75	1	1.277E+00	-8.812E+02	-1.933E-12	1.412E-13	-1.731E-11	-2.280E+04	-9.263E-06	0.000E+00
197	5	69.00	1	1.703E+00	-1.175E+03	-1.933E-12	1.412E-13	1.603E-11	-4.053E+04	-1.369E-14	0.000E+00
198	1	0.00	1	-1.302E-12	2.602E-10	1.613E-12	-1.511E-13	3.365E-11	2.984E-08	0.000E+00	0.000E+00
198	2	17.25	1	4.257E-01	-2.937E+02	1.613E-12	-1.511E-13	5.828E-12	-2.533E+03	-9.618E-06	0.000E+00
198	3	34.50	1	8.514E-01	-5.874E+02	1.613E-12	-1.511E-13	-2.199E-11	-1.013E+04	-1.262E-05	0.000E+00
198	4	51.75	1	1.277E+00	-8.812E+02	1.613E-12	-1.511E-13	-4.982E-11	-2.280E+04	-9.263E-06	0.000E+00
198	5	69.00	1	1.703E+00	-1.175E+03	1.613E-12	-1.511E-13	-7.764E-11	-4.053E+04	-1.369E-14	0.000E+00
199	1	0.00	1	-4.726E+01	4.277E+04	9.293E+02	1.138E-01	7.193E+03	-4.053E+04	0.000E+00	0.000E+00
199	2	45.25	1	-4.640E+01	4.200E+04	9.293E+02	1.138E-01	-3.486E+04	1.877E+06	-1.198E-03	-5.218E-05
199	3	90.50	1	-4.555E+01	4.123E+04	9.293E+02	1.138E-01	-7.691E+04	3.760E+06	-1.898E-03	-8.507E-05
199	4	135.75	1	-4.470E+01	4.045E+04	9.293E+02	1.138E-01	-1.190E+05	5.608E+06	-1.647E-03	-7.543E-05
199	5	181.00	1	-4.385E+01	3.968E+04	9.293E+02	1.138E-01	-1.610E+05	7.421E+06	-1.187E-10	-1.008E-12
200	1	0.00	1	-4.726E+01	4.277E+04	-9.293E+02	-1.138E-01	-7.193E+03	-4.053E+04	0.000E+00	0.000E+00
200	2	45.25	1	-4.640E+01	4.200E+04	-9.293E+02	-1.138E-01	3.486E+04	1.877E+06	-1.198E-03	5.218E-05
200	3	90.50	1	-4.555E+01	4.123E+04	-9.293E+02	-1.138E-01	7.691E+04	3.760E+06	-1.898E-03	8.507E-05
200	4	135.75	1	-4.470E+01	4.045E+04	-9.293E+02	-1.138E-01	1.190E+05	5.608E+06	-1.647E-03	7.543E-05
200	5	181.00	1	-4.385E+01	3.968E+04	-9.293E+02	-1.138E-01	1.610E+05	7.421E+06	-1.187E-10	1.008E-12
201	1	0.00	1	-3.174E+01	3.231E+04	-3.543E+02	1.887E-02	-1.596E+05	7.421E+06	0.000E+00	0.000E+00
201	2	127.25	1	-2.961E+01	3.014E+04	-3.543E+02	1.887E-02	-1.145E+05	1.139E+07	-3.994E-02	-5.543E-04
201	3	254.50	1	-2.748E+01	2.797E+04	-3.543E+02	1.887E-02	-6.946E+04	1.509E+07	-5.786E-02	-6.076E-04
201	4	381.75	1	-2.535E+01	2.581E+04	-3.543E+02	1.887E-02	-2.437E+04	1.851E+07	-4.672E-02	-3.571E-04
201	5	509.00	1	-2.322E+01	2.364E+04	-3.543E+02	1.887E-02	2.072E+04	2.166E+07	-1.046E-09	-7.137E-11
202	1	0.00	1	-3.174E+01	3.231E+04	3.543E+02	-1.887E-02	1.596E+05	7.421E+06	0.000E+00	0.000E+00
202	2	127.25	1	-2.961E+01	3.014E+04	3.543E+02	-1.887E-02	1.145E+05	1.139E+07	-3.994E-02	5.543E-04
202	3	254.50	1	-2.748E+01	2.797E+04	3.543E+02	-1.887E-02	6.946E+04	1.509E+07	-5.786E-02	6.076E-04
202	4	381.75	1	-2.535E+01	2.581E+04	3.543E+02	-1.887E-02	2.437E+04	1.851E+07	-4.672E-02	3.571E-04
202	5	509.00	1	-2.322E+01	2.364E+04	3.543E+02	-1.887E-02	-2.072E+04	2.166E+07	-1.046E-09	7.137E-11
203	1	0.00	1	-1.376E+01	1.404E+04	4.254E+01	9.416E-03	2.045E+04	2.166E+07	0.000E+00	0.000E+00
203	2	127.50	1	-1.164E+01	1.187E+04	4.254E+01	9.416E-03	1.503E+04	2.331E+07	-6.983E-02	7.516E-05
203	3	255.00	1	-9.507E+00	9.698E+03	4.254E+01	9.416E-03	9.602E+03	2.469E+07	-9.477E-02	8.433E-05
203	4	382.50	1	-7.379E+00	7.527E+03	4.254E+01	9.416E-03	4.178E+03	2.578E+07	-7.219E-02	5.134E-05
203	5	510.00	1	-5.251E+00	5.356E+03	4.254E+01	9.416E-03	-1.246E+03	2.661E+07	-1.170E-09	-1.477E-12
204	1	0.00	1	-1.376E+01	1.404E+04	-4.254E+01	-9.416E-03	-2.045E+04	2.166E+07	0.000E+00	0.000E+00
204	2	127.50	1	-1.164E+01	1.187E+04	-4.254E+01	-9.416E-03	-1.503E+04	2.331E+07	-6.983E-02	-7.516E-05
204	3	255.00	1	-9.507E+00	9.698E+03	-4.254E+01	-9.416E-03	-9.602E+03	2.469E+07	-9.477E-02	-8.433E-05
204	4	382.50	1	-7.379E+00	7.527E+03	-4.254E+01	-9.416E-03	-4.178E+03	2.578E+07	-7.219E-02	-5.134E-05
204	5	510.00	1	-5.251E+00	5.356E+03	-4.254E+01	-9.416E-03	1.246E+03	2.661E+07	-1.170E-09	1.477E-12
205	1	0.00	1	5.251E+00	-5.356E+03	-2.593E+00	-9.416E-03	-1.298E+03	2.661E+07	0.000E+00	0.000E+00
205	2	127.50	1	7.379E+00	-7.527E+03	-2.593E+00	-9.416E-03	-9.679E+02	2.578E+07	-7.219E-02	-4.923E-06
205	3	255.00	1	9.507E+00	-9.698E+03	-2.593E+00	-9.416E-03	-6.373E+02	2.469E+07	-9.477E-02	-5.597E-06

205	4	382.50	1	1.164E+01	-1.187E+04	-2.593E+00	-9.416E-03	-3.067E+02	2.331E+07	-6.983E-02	-3.472E-06
205	5	510.00	1	1.376E+01	-1.404E+04	-2.593E+00	-9.416E-03	2.387E+01	2.166E+07	2.367E-09	4.823E-13
206	1	0.00	1	5.251E+00	-5.356E+03	2.593E+00	9.416E-03	1.298E+03	2.661E+07	0.000E+00	0.000E+00
206	2	127.50	1	7.379E+00	-7.527E+03	2.593E+00	9.416E-03	9.679E+02	2.578E+07	-7.219E-02	4.923E-06
206	3	255.00	1	9.507E+00	-9.698E+03	2.593E+00	9.416E-03	6.373E+02	2.469E+07	-9.477E-02	5.597E-06
206	4	382.50	1	1.164E+01	-1.187E+04	2.593E+00	9.416E-03	3.067E+02	2.331E+07	-6.983E-02	3.472E-06
206	5	510.00	1	1.376E+01	-1.404E+04	2.593E+00	9.416E-03	-2.387E+01	2.166E+07	2.367E-09	-4.823E-13
207	1	0.00	1	2.322E+01	-2.364E+04	5.137E-01	-1.887E-02	-3.643E+01	2.166E+07	0.000E+00	0.000E+00
207	2	127.25	1	2.535E+01	-2.581E+04	5.137E-01	-1.887E-02	-1.018E+02	1.851E+07	-4.672E-02	-9.538E-07
207	3	254.50	1	2.748E+01	-2.797E+04	5.137E-01	-1.887E-02	-1.672E+02	1.509E+07	-5.786E-02	-1.462E-06
207	4	381.75	1	2.961E+01	-3.014E+04	5.137E-01	-1.887E-02	-2.325E+02	1.139E+07	-3.994E-02	-1.240E-06
207	5	509.00	1	3.174E+01	-3.231E+04	5.137E-01	-1.887E-02	-2.979E+02	7.421E+06	-1.006E-08	1.761E-13
208	1	0.00	1	2.322E+01	-2.364E+04	-5.137E-01	1.887E-02	3.643E+01	2.166E+07	0.000E+00	0.000E+00
208	2	127.25	1	2.535E+01	-2.581E+04	-5.137E-01	1.887E-02	1.018E+02	1.851E+07	-4.672E-02	9.538E-07
208	3	254.50	1	2.748E+01	-2.797E+04	-5.137E-01	1.887E-02	1.672E+02	1.509E+07	-5.786E-02	1.462E-06
208	4	381.75	1	2.961E+01	-3.014E+04	-5.137E-01	1.887E-02	2.325E+02	1.139E+07	-3.994E-02	1.240E-06
208	5	509.00	1	3.174E+01	-3.231E+04	-5.137E-01	1.887E-02	2.979E+02	7.421E+06	-1.006E-08	-1.762E-13
209	1	0.00	1	4.385E+01	-3.968E+04	-2.257E+00	-1.138E-01	-3.480E+02	7.421E+06	0.000E+00	0.000E+00
209	2	45.25	1	4.470E+01	-4.045E+04	-2.257E+00	-1.138E-01	-2.459E+02	5.608E+06	-1.647E-03	-1.475E-07
209	3	90.50	1	4.555E+01	-4.123E+04	-2.257E+00	-1.138E-01	-1.438E+02	3.760E+06	-1.898E-03	-1.590E-07
209	4	135.75	1	4.640E+01	-4.200E+04	-2.257E+00	-1.138E-01	-4.166E+01	1.877E+06	-1.198E-03	-9.103E-08
209	5	181.00	1	4.726E+01	-4.277E+04	-2.257E+00	-1.138E-01	6.046E+01	-4.053E+04	-2.864E-10	-1.210E-14
210	1	0.00	1	4.385E+01	-3.968E+04	2.257E+00	1.138E-01	3.480E+02	7.421E+06	0.000E+00	0.000E+00
210	2	45.25	1	4.470E+01	-4.045E+04	2.257E+00	1.138E-01	2.459E+02	5.608E+06	-1.647E-03	1.475E-07
210	3	90.50	1	4.555E+01	-4.123E+04	2.257E+00	1.138E-01	1.438E+02	3.760E+06	-1.898E-03	1.590E-07
210	4	135.75	1	4.640E+01	-4.200E+04	2.257E+00	1.138E-01	4.166E+01	1.877E+06	-1.198E-03	9.103E-08
210	5	181.00	1	4.726E+01	-4.277E+04	2.257E+00	1.138E-01	-6.046E+01	-4.053E+04	-2.864E-10	1.210E-14
211	1	0.00	1	-3.865E-12	1.175E+03	-6.892E-13	-5.162E-16	4.803E-11	-4.053E+04	0.000E+00	0.000E+00
211	2	17.25	1	-3.865E-12	8.812E+02	-6.892E-13	-5.162E-16	5.992E-11	-2.280E+04	-9.263E-06	0.000E+00
211	3	34.50	1	-3.865E-12	5.874E+02	-6.892E-13	-5.162E-16	7.181E-11	-1.013E+04	-1.262E-05	0.000E+00
211	4	51.75	1	-3.865E-12	2.937E+02	-6.892E-13	-5.162E-16	8.370E-11	-2.533E+03	-9.618E-06	0.000E+00
211	5	69.00	1	-3.865E-12	2.418E-10	-6.892E-13	-5.162E-16	9.559E-11	-2.936E-08	3.799E-13	0.000E+00
212	1	0.00	1	-2.160E-12	1.175E+03	3.532E-12	7.000E-16	-3.450E-11	-4.053E+04	0.000E+00	0.000E+00
212	2	17.25	1	-2.160E-12	8.812E+02	3.532E-12	7.000E-16	-9.543E-11	-2.280E+04	-9.263E-06	0.000E+00
212	3	34.50	1	-2.160E-12	5.874E+02	3.532E-12	7.000E-16	-1.564E-10	-1.013E+04	-1.262E-05	0.000E+00
212	4	51.75	1	-2.160E-12	2.937E+02	3.532E-12	7.000E-16	-2.173E-10	-2.533E+03	-9.618E-06	0.000E+00
212	5	69.00	1	-2.160E-12	1.599E-10	3.532E-12	7.000E-16	-2.782E-10	9.724E-08	3.799E-13	0.000E+00
213	1	0.00	1	-3.638E-12	-3.807E-11	-5.773E-14	0.000E+00	-5.613E-12	5.922E-08	0.000E+00	0.000E+00
213	2	17.25	1	-3.638E-12	-2.937E+02	-5.773E-14	0.000E+00	-4.617E-12	-2.533E+03	-9.618E-06	0.000E+00
213	3	34.50	1	-3.638E-12	-5.874E+02	-5.773E-14	0.000E+00	-3.622E-12	-1.013E+04	-1.262E-05	0.000E+00
213	4	51.75	1	-3.638E-12	-8.812E+02	-5.773E-14	0.000E+00	-2.626E-12	-2.280E+04	-9.263E-06	0.000E+00
213	5	69.00	1	-3.638E-12	-1.175E+03	-5.773E-14	0.000E+00	-1.630E-12	-4.053E+04	7.488E-15	0.000E+00
214	1	0.00	1	-3.979E-12	-1.036E-10	5.451E-14	0.000E+00	-1.535E-12	1.039E-07	0.000E+00	0.000E+00
214	2	17.25	1	-3.979E-12	-2.937E+02	5.451E-14	0.000E+00	-2.475E-12	-2.533E+03	-9.618E-06	0.000E+00
214	3	34.50	1	-3.979E-12	-5.874E+02	5.451E-14	0.000E+00	-3.415E-12	-1.013E+04	-1.262E-05	0.000E+00
214	4	51.75	1	-3.979E-12	-8.812E+02	5.451E-14	0.000E+00	-4.356E-12	-2.280E+04	-9.263E-06	0.000E+00
214	5	69.00	1	-3.979E-12	-1.175E+03	5.451E-14	0.000E+00	-5.296E-12	-4.053E+04	7.480E-15	0.000E+00
215	1	0.00	1	-4.792E+01	4.337E+04	-2.488E+00	1.138E-01	-5.982E+01	-4.053E+04	0.000E+00	0.000E+00
215	2	45.25	1	-4.707E+01	4.260E+04	-2.488E+00	1.138E-01	5.276E+01	1.904E+06	-1.214E-03	1.060E-07
215	3	90.50	1	-4.622E+01	4.183E+04	-2.488E+00	1.138E-01	1.653E+02	3.814E+06	-1.924E-03	1.829E-07
215	4	135.75	1	-4.536E+01	4.105E+04	-2.488E+00	1.138E-01	2.779E+02	5.690E+06	-1.670E-03	1.683E-07
215	5	181.00	1	-4.451E+01	4.028E+04	-2.488E+00	1.138E-01	3.905E+02	7.530E+06	-3.518E-11	-7.953E-15
216	1	0.00	1	-4.792E+01	4.337E+04	2.488E+00	-1.138E-01	5.982E+01	-4.053E+04	0.000E+00	0.000E+00
216	2	45.25	1	-4.707E+01	4.260E+04	2.488E+00	-1.138E-01	-5.276E+01	1.904E+06	-1.214E-03	-1.060E-07
216	3	90.50	1	-4.622E+01	4.183E+04	2.488E+00	-1.138E-01	-1.653E+02	3.814E+06	-1.924E-03	-1.829E-07
216	4	135.75	1	-4.536E+01	4.105E+04	2.488E+00	-1.138E-01	-2.779E+02	5.690E+06	-1.670E-03	-1.683E-07
216	5	181.00	1	-4.451E+01	4.028E+04	2.488E+00	-1.138E-01	-3.905E+02	7.530E+06	-3.518E-11	7.955E-15
217	1	0.00	1	-3.232E+01	3.291E+04	7.700E-01	1.887E-02	3.408E+02	7.530E+06	0.000E+00	0.000E+00
217	2	127.25	1	-3.020E+01	3.074E+04	7.700E-01	1.887E-02	2.428E+02	1.158E+07	-4.061E-02	1.164E-06
217	3	254.50	1	-2.807E+01	2.857E+04	7.700E-01	1.887E-02	1.448E+02	1.535E+07	-5.885E-02	1.267E-06
217	4	381.75	1	-2.594E+01	2.641E+04	7.700E-01	1.887E-02	4.685E+01	1.885E+07	-4.754E-02	7.359E-07
217	5	509.00	1	-2.381E+01	2.424E+04	7.700E-01	1.887E-02	-5.113E+01	2.207E+07	-6.407E-10	-2.785E-13

218	1	0.00	1	-3.232E+01	3.291E+04	-7.700E-01	-1.887E-02	-3.408E+02	7.530E+06	0.000E+00	0.000E+00
218	2	127.25	1	-3.020E+01	3.074E+04	-7.700E-01	-1.887E-02	-2.428E+02	1.158E+07	-4.061E-02	-1.164E-06
218	3	254.50	1	-2.807E+01	2.857E+04	-7.700E-01	-1.887E-02	-1.448E+02	1.535E+07	-5.885E-02	-1.267E-06
218	4	381.75	1	-2.594E+01	2.641E+04	-7.700E-01	-1.887E-02	-4.685E+01	1.885E+07	-4.754E-02	-7.359E-07
218	5	509.00	1	-2.381E+01	2.424E+04	-7.700E-01	-1.887E-02	5.113E+01	2.207E+07	-6.407E-10	2.786E-13
219	1	0.00	1	-1.435E+01	1.464E+04	2.174E+00	9.416E-03	-1.116E+02	2.207E+07	0.000E+00	0.000E+00
219	2	127.50	1	-1.222E+01	1.247E+04	2.174E+00	9.416E-03	-3.887E+02	2.380E+07	-7.139E-02	-3.777E-06
219	3	255.00	1	-9.507E+00	9.698E+03	2.174E+00	9.416E-03	-6.658E+02	2.525E+07	-9.693E-02	-5.847E-06
219	4	382.50	1	-7.379E+00	7.527E+03	2.174E+00	9.416E-03	-9.430E+02	2.635E+07	-7.382E-02	-4.994E-06
219	5	510.00	1	-5.251E+00	5.356E+03	2.174E+00	9.416E-03	-1.220E+03	2.717E+07	-1.855E-09	-2.300E-13
220	1	0.00	1	-1.435E+01	1.464E+04	-2.174E+00	-9.416E-03	1.116E+02	2.207E+07	0.000E+00	0.000E+00
220	2	127.50	1	-1.222E+01	1.247E+04	-2.174E+00	-9.416E-03	3.887E+02	2.380E+07	-7.139E-02	3.777E-06
220	3	255.00	1	-9.507E+00	9.698E+03	-2.174E+00	-9.416E-03	6.658E+02	2.525E+07	-9.693E-02	5.847E-06
220	4	382.50	1	-7.379E+00	7.527E+03	-2.174E+00	-9.416E-03	9.430E+02	2.635E+07	-7.382E-02	4.994E-06
220	5	510.00	1	-5.251E+00	5.356E+03	-2.174E+00	-9.416E-03	1.220E+03	2.717E+07	-1.855E-09	2.300E-13
221	1	0.00	1	5.251E+00	-5.356E+03	-4.258E+01	-9.417E-03	-1.303E+03	2.717E+07	0.000E+00	0.000E+00
221	2	127.50	1	7.379E+00	-7.527E+03	-4.258E+01	-9.417E-03	4.126E+03	2.635E+07	-7.382E-02	5.102E-05
221	3	255.00	1	1.010E+01	-1.030E+04	-4.258E+01	-9.417E-03	9.556E+03	2.525E+07	-9.693E-02	8.392E-05
221	4	382.50	1	1.222E+01	-1.247E+04	-4.258E+01	-9.417E-03	1.499E+04	2.380E+07	-7.138E-02	7.486E-05
221	5	510.00	1	1.435E+01	-1.464E+04	-4.258E+01	-9.417E-03	2.042E+04	2.207E+07	3.125E-09	8.102E-13
222	1	0.00	1	5.251E+00	-5.356E+03	4.258E+01	9.417E-03	1.303E+03	2.717E+07	0.000E+00	0.000E+00
222	2	127.50	1	7.379E+00	-7.527E+03	4.258E+01	9.417E-03	-4.126E+03	2.635E+07	-7.382E-02	-5.102E-05
222	3	255.00	1	1.010E+01	-1.030E+04	4.258E+01	9.417E-03	-9.556E+03	2.525E+07	-9.693E-02	-8.392E-05
222	4	382.50	1	1.222E+01	-1.247E+04	4.258E+01	9.417E-03	-1.499E+04	2.380E+07	-7.138E-02	-7.486E-05
222	5	510.00	1	1.435E+01	-1.464E+04	4.258E+01	9.417E-03	-2.042E+04	2.207E+07	3.125E-09	-8.102E-13
223	1	0.00	1	2.381E+01	-2.424E+04	3.527E+02	-1.887E-02	2.056E+04	2.207E+07	0.000E+00	0.000E+00
223	2	127.25	1	2.594E+01	-2.641E+04	3.527E+02	-1.887E-02	-2.431E+04	1.885E+07	-4.754E-02	-3.558E-04
223	3	254.50	1	2.807E+01	-2.857E+04	3.527E+02	-1.887E-02	-6.919E+04	1.535E+07	-5.885E-02	-6.052E-04
223	4	381.75	1	3.020E+01	-3.074E+04	3.527E+02	-1.887E-02	-1.141E+05	1.158E+07	-4.061E-02	-5.521E-04
223	5	509.00	1	3.232E+01	-3.291E+04	3.527E+02	-1.887E-02	-1.589E+05	7.530E+06	-9.703E-09	-2.918E-12
224	1	0.00	1	2.381E+01	-2.424E+04	-3.527E+02	1.887E-02	-2.056E+04	2.207E+07	0.000E+00	0.000E+00
224	2	127.25	1	2.594E+01	-2.641E+04	-3.527E+02	1.887E-02	2.431E+04	1.885E+07	-4.754E-02	3.558E-04
224	3	254.50	1	2.807E+01	-2.857E+04	-3.527E+02	1.887E-02	6.919E+04	1.535E+07	-5.885E-02	6.052E-04
224	4	381.75	1	3.020E+01	-3.074E+04	-3.527E+02	1.887E-02	1.141E+05	1.158E+07	-4.061E-02	5.521E-04
224	5	509.00	1	3.232E+01	-3.291E+04	-3.527E+02	1.887E-02	1.589E+05	7.530E+06	-9.703E-09	2.918E-12
225	1	0.00	1	4.451E+01	-4.028E+04	-9.263E+02	-1.138E-01	-1.604E+05	7.530E+06	0.000E+00	0.000E+00
225	2	45.25	1	4.536E+01	-4.105E+04	-9.263E+02	-1.138E-01	-1.185E+05	5.690E+06	-1.670E-03	-7.512E-05
225	3	90.50	1	4.622E+01	-4.183E+04	-9.263E+02	-1.138E-01	-7.658E+04	3.814E+06	-1.924E-03	-8.470E-05
225	4	135.75	1	4.707E+01	-4.260E+04	-9.263E+02	-1.138E-01	-3.466E+04	1.904E+06	-1.214E-03	-5.194E-05
225	5	181.00	1	4.792E+01	-4.337E+04	-9.263E+02	-1.138E-01	7.253E+03	-4.053E+04	-6.270E-10	1.958E-11
226	1	0.00	1	4.451E+01	-4.028E+04	9.263E+02	1.138E-01	1.604E+05	7.530E+06	0.000E+00	0.000E+00
226	2	45.25	1	4.536E+01	-4.105E+04	9.263E+02	1.138E-01	1.185E+05	5.690E+06	-1.670E-03	7.512E-05
226	3	90.50	1	4.622E+01	-4.183E+04	9.263E+02	1.138E-01	7.658E+04	3.814E+06	-1.924E-03	8.470E-05
226	4	135.75	1	4.707E+01	-4.260E+04	9.263E+02	1.138E-01	3.466E+04	1.904E+06	-1.214E-03	5.194E-05
226	5	181.00	1	4.792E+01	-4.337E+04	9.263E+02	1.138E-01	-7.253E+03	-4.053E+04	-6.270E-10	-1.958E-11
227	1	0.00	1	-1.703E+00	1.175E+03	1.460E-10	-1.204E-12	7.636E-09	-4.053E+04	0.000E+00	0.000E+00
227	2	17.25	1	-1.277E+00	8.812E+02	1.460E-10	-1.204E-12	5.118E-09	-2.280E+04	-9.263E-06	3.863E-19
227	3	34.50	1	-8.514E-01	5.874E+02	1.460E-10	-1.204E-12	2.599E-09	-1.013E+04	-1.262E-05	3.777E-19
227	4	51.75	1	-4.257E-01	2.937E+02	1.460E-10	-1.204E-12	8.049E-11	-2.533E+03	-9.618E-06	1.802E-19
227	5	69.00	1	-4.596E-11	2.600E-10	1.460E-10	-1.204E-12	-2.438E-09	-8.005E-08	1.621E-13	1.478E-26
228	1	0.00	1	-1.703E+00	1.175E+03	3.635E-11	1.213E-12	-4.184E-10	-4.053E+04	0.000E+00	0.000E+00
228	2	17.25	1	-1.277E+00	8.812E+02	3.635E-11	1.213E-12	-1.045E-09	-2.280E+04	-9.263E-06	-1.497E-19
228	3	34.50	1	-8.514E-01	5.874E+02	3.635E-11	1.213E-12	-1.672E-09	-1.013E+04	-1.262E-05	-2.003E-19
228	4	51.75	1	-4.257E-01	2.937E+02	3.635E-11	1.213E-12	-2.300E-09	-2.533E+03	-9.618E-06	-1.507E-19
228	5	69.00	1	7.174E-11	-3.294E-10	3.635E-11	1.213E-12	-2.927E-09	1.899E-08	1.621E-13	-1.047E-26
229	1	0.00	1	-2.786E-13	1.650E-11	-1.364E-12	1.493E-13	5.093E-11	7.548E-08	0.000E+00	0.000E+00
229	2	17.25	1	4.257E-01	-2.937E+02	-1.364E-12	1.493E-13	7.446E-11	-2.533E+03	-9.618E-06	0.000E+00
229	3	34.50	1	8.514E-01	-5.874E+02	-1.364E-12	1.493E-13	9.800E-11	-1.013E+04	-1.262E-05	0.000E+00
229	4	51.75	1	1.277E+00	-8.812E+02	-1.364E-12	1.493E-13	1.215E-10	-2.280E+04	-9.263E-06	0.000E+00
229	5	69.00	1	1.703E+00	-1.175E+03	-1.364E-12	1.493E-13	1.451E-10	-4.053E+04	-1.369E-14	0.000E+00
230	1	0.00	1	-1.728E-12	1.438E-10	-3.084E-12	-1.497E-13	-2.001E-11	4.009E-08	0.000E+00	0.000E+00
230	2	17.25	1	4.257E-01	-2.937E+02	-3.084E-12	-1.497E-13	3.319E-11	-2.533E+03	-9.618E-06	0.000E+00

230	3	34.50	1	8.514E-01	-5.874E+02	-3.084E-12	-1.497E-13	8.638E-11	-1.013E+04	-1.262E-05	0.000E+00
230	4	51.75	1	1.277E+00	-8.812E+02	-3.084E-12	-1.497E-13	1.396E-10	-2.280E+04	-9.263E-06	0.000E+00
230	5	69.00	1	1.703E+00	-1.175E+03	-3.084E-12	-1.497E-13	1.928E-10	-4.053E+04	-1.370E-14	0.000E+00
231	1	0.00	1	-4.792E+01	4.337E+04	9.409E+02	1.138E-01	7.283E+03	-4.053E+04	0.000E+00	0.000E+00
231	2	45.25	1	-4.707E+01	4.260E+04	9.409E+02	1.138E-01	-3.529E+04	1.904E+06	-1.214E-03	-5.283E-05
231	3	90.50	1	-4.622E+01	4.183E+04	9.409E+02	1.138E-01	-7.787E+04	3.814E+06	-1.924E-03	-8.613E-05
231	4	135.75	1	-4.536E+01	4.105E+04	9.409E+02	1.138E-01	-1.204E+05	5.690E+06	-1.670E-03	-7.637E-05
231	5	181.00	1	-4.451E+01	4.028E+04	9.409E+02	1.138E-01	-1.630E+05	7.530E+06	-1.133E-10	-1.114E-12
232	1	0.00	1	-4.792E+01	4.337E+04	-9.409E+02	-1.138E-01	-7.283E+03	-4.053E+04	0.000E+00	0.000E+00
232	2	45.25	1	-4.707E+01	4.260E+04	-9.409E+02	-1.138E-01	3.529E+04	1.904E+06	-1.214E-03	5.283E-05
232	3	90.50	1	-4.622E+01	4.183E+04	-9.409E+02	-1.138E-01	7.787E+04	3.814E+06	-1.924E-03	8.613E-05
232	4	135.75	1	-4.536E+01	4.105E+04	-9.409E+02	-1.138E-01	1.204E+05	5.690E+06	-1.670E-03	7.637E-05
232	5	181.00	1	-4.451E+01	4.028E+04	-9.409E+02	-1.138E-01	1.630E+05	7.530E+06	-1.133E-10	1.114E-12
233	1	0.00	1	-3.232E+01	3.291E+04	-3.588E+02	1.887E-02	-1.616E+05	7.530E+06	0.000E+00	0.000E+00
233	2	127.25	1	-3.020E+01	3.074E+04	-3.588E+02	1.887E-02	-1.160E+05	1.158E+07	-4.061E-02	-5.612E-04
233	3	254.50	1	-2.807E+01	2.857E+04	-3.588E+02	1.887E-02	-7.032E+04	1.535E+07	-5.885E-02	-6.152E-04
233	4	381.75	1	-2.594E+01	2.641E+04	-3.588E+02	1.887E-02	-2.467E+04	1.885E+07	-4.754E-02	-3.615E-04
233	5	509.00	1	-2.381E+01	2.424E+04	-3.588E+02	1.887E-02	2.098E+04	2.207E+07	-1.146E-09	-7.072E-11
234	1	0.00	1	-3.232E+01	3.291E+04	3.588E+02	-1.887E-02	1.616E+05	7.530E+06	0.000E+00	0.000E+00
234	2	127.25	1	-3.020E+01	3.074E+04	3.588E+02	-1.887E-02	1.160E+05	1.158E+07	-4.061E-02	5.612E-04
234	3	254.50	1	-2.807E+01	2.857E+04	3.588E+02	-1.887E-02	7.032E+04	1.535E+07	-5.885E-02	6.152E-04
234	4	381.75	1	-2.594E+01	2.641E+04	3.588E+02	-1.887E-02	2.467E+04	1.885E+07	-4.754E-02	3.615E-04
234	5	509.00	1	-2.381E+01	2.424E+04	3.588E+02	-1.887E-02	-2.098E+04	2.207E+07	-1.146E-09	7.072E-11
235	1	0.00	1	-1.435E+01	1.464E+04	4.307E+01	9.416E-03	2.071E+04	2.207E+07	0.000E+00	0.000E+00
235	2	127.50	1	-1.222E+01	1.247E+04	4.307E+01	9.416E-03	1.521E+04	2.380E+07	-7.139E-02	7.609E-05
235	3	255.00	1	-9.507E+00	9.698E+03	4.307E+01	9.416E-03	9.722E+03	2.525E+07	-9.693E-02	8.538E-05
235	4	382.50	1	-7.379E+00	7.527E+03	4.307E+01	9.416E-03	4.230E+03	2.635E+07	-7.382E-02	5.198E-05
235	5	510.00	1	-5.251E+00	5.356E+03	4.307E+01	9.416E-03	-1.262E+03	2.717E+07	-1.679E-09	-1.506E-12
236	1	0.00	1	-1.435E+01	1.464E+04	-4.307E+01	-9.416E-03	-2.071E+04	2.207E+07	0.000E+00	0.000E+00
236	2	127.50	1	-1.222E+01	1.247E+04	-4.307E+01	-9.416E-03	-1.521E+04	2.380E+07	-7.139E-02	-7.609E-05
236	3	255.00	1	-9.507E+00	9.698E+03	-4.307E+01	-9.416E-03	-9.722E+03	2.525E+07	-9.693E-02	-8.538E-05
236	4	382.50	1	-7.379E+00	7.527E+03	-4.307E+01	-9.416E-03	-4.230E+03	2.635E+07	-7.382E-02	-5.198E-05
236	5	510.00	1	-5.251E+00	5.356E+03	-4.307E+01	-9.416E-03	1.262E+03	2.717E+07	-1.679E-09	1.505E-12
237	1	0.00	1	5.251E+00	-5.356E+03	-2.623E+00	-9.416E-03	-1.314E+03	2.717E+07	0.000E+00	0.000E+00
237	2	127.50	1	7.379E+00	-7.527E+03	-2.623E+00	-9.416E-03	-9.798E+02	2.635E+07	-7.382E-02	-4.985E-06
237	3	255.00	1	1.010E+01	-1.030E+04	-2.623E+00	-9.416E-03	-6.454E+02	2.525E+07	-9.693E-02	-5.668E-06
237	4	382.50	1	1.222E+01	-1.247E+04	-2.623E+00	-9.416E-03	-3.111E+02	2.380E+07	-7.138E-02	-3.517E-06
237	5	510.00	1	1.435E+01	-1.464E+04	-2.623E+00	-9.416E-03	2.332E+01	2.207E+07	3.041E-09	4.650E-13
238	1	0.00	1	5.251E+00	-5.356E+03	2.623E+00	9.416E-03	1.314E+03	2.717E+07	0.000E+00	0.000E+00
238	2	127.50	1	7.379E+00	-7.527E+03	2.623E+00	9.416E-03	9.798E+02	2.635E+07	-7.382E-02	4.985E-06
238	3	255.00	1	1.010E+01	-1.030E+04	2.623E+00	9.416E-03	6.454E+02	2.525E+07	-9.693E-02	5.668E-06
238	4	382.50	1	1.222E+01	-1.247E+04	2.623E+00	9.416E-03	3.111E+02	2.380E+07	-7.138E-02	3.517E-06
238	5	510.00	1	1.435E+01	-1.464E+04	2.623E+00	9.416E-03	-2.332E+01	2.207E+07	3.041E-09	-4.662E-13
239	1	0.00	1	2.381E+01	-2.424E+04	5.121E-01	-1.887E-02	-3.697E+01	2.207E+07	0.000E+00	0.000E+00
239	2	127.25	1	2.594E+01	-2.641E+04	5.121E-01	-1.887E-02	-1.021E+02	1.885E+07	-4.754E-02	-9.551E-07
239	3	254.50	1	2.807E+01	-2.857E+04	5.121E-01	-1.887E-02	-1.673E+02	1.535E+07	-5.885E-02	-1.464E-06
239	4	381.75	1	3.020E+01	-3.074E+04	5.121E-01	-1.887E-02	-2.325E+02	1.158E+07	-4.061E-02	-1.240E-06
239	5	509.00	1	3.232E+01	-3.291E+04	5.121E-01	-1.887E-02	-2.976E+02	7.530E+06	-1.004E-08	1.756E-13
240	1	0.00	1	2.381E+01	-2.424E+04	-5.121E-01	1.887E-02	3.697E+01	2.207E+07	0.000E+00	0.000E+00
240	2	127.25	1	2.594E+01	-2.641E+04	-5.121E-01	1.887E-02	1.021E+02	1.885E+07	-4.754E-02	9.551E-07
240	3	254.50	1	2.807E+01	-2.857E+04	-5.121E-01	1.887E-02	1.673E+02	1.535E+07	-5.885E-02	1.464E-06
240	4	381.75	1	3.020E+01	-3.074E+04	-5.121E-01	1.887E-02	2.325E+02	1.158E+07	-4.061E-02	1.240E-06
240	5	509.00	1	3.232E+01	-3.291E+04	-5.121E-01	1.887E-02	2.976E+02	7.530E+06	-1.004E-08	-1.770E-13
241	1	0.00	1	4.451E+01	-4.028E+04	-2.255E+00	-1.138E-01	-3.477E+02	7.530E+06	0.000E+00	0.000E+00
241	2	45.25	1	4.536E+01	-4.105E+04	-2.255E+00	-1.138E-01	-2.457E+02	5.690E+06	-1.670E-03	-1.474E-07
241	3	90.50	1	4.622E+01	-4.183E+04	-2.255E+00	-1.138E-01	-1.436E+02	3.814E+06	-1.924E-03	-1.589E-07
241	4	135.75	1	4.707E+01	-4.260E+04	-2.255E+00	-1.138E-01	-4.159E+01	1.904E+06	-1.214E-03	-9.094E-08
241	5	181.00	1	4.792E+01	-4.337E+04	-2.255E+00	-1.138E-01	6.046E+01	-4.053E+04	-2.845E-10	-1.203E-14
242	1	0.00	1	4.451E+01	-4.028E+04	2.255E+00	1.138E-01	3.477E+02	7.530E+06	0.000E+00	0.000E+00
242	2	45.25	1	4.536E+01	-4.105E+04	2.255E+00	1.138E-01	2.457E+02	5.690E+06	-1.670E-03	1.474E-07
242	3	90.50	1	4.622E+01	-4.183E+04	2.255E+00	1.138E-01	1.436E+02	3.814E+06	-1.924E-03	1.589E-07
242	4	135.75	1	4.707E+01	-4.260E+04	2.255E+00	1.138E-01	4.159E+01	1.904E+06	-1.214E-03	9.094E-08

242	5	181.00	1	4.792E+01	-4.337E+04	2.255E+00	1.138E-01	-6.046E+01	-4.053E+04	-2.845E-10	1.182E-14
243	1	0.00	1	1.137E-13	1.175E+03	1.731E-13	8.357E-16	1.641E-11	-4.053E+04	0.000E+00	0.000E+00
243	2	17.25	1	1.137E-13	8.812E+02	1.731E-13	8.357E-16	1.343E-11	-2.280E+04	-9.263E-06	0.000E+00
243	3	34.50	1	1.137E-13	5.874E+02	1.731E-13	8.357E-16	1.044E-11	-1.013E+04	-1.262E-05	0.000E+00
243	4	51.75	1	1.137E-13	2.937E+02	1.731E-13	8.357E-16	7.456E-12	-2.533E+03	-9.618E-06	0.000E+00
243	5	69.00	1	1.137E-13	-2.129E-10	1.731E-13	8.357E-16	4.471E-12	3.938E-08	3.799E-13	0.000E+00
244	1	0.00	1	-5.457E-12	1.175E+03	1.477E-14	-2.124E-15	-8.778E-08	-4.053E+04	0.000E+00	0.000E+00
244	2	17.25	1	-5.457E-12	8.812E+02	1.477E-14	-2.124E-15	-8.778E-08	-2.280E+04	-9.263E-06	-1.058E-17
244	3	34.50	1	-5.457E-12	5.874E+02	1.477E-14	-2.124E-15	-8.778E-08	-1.013E+04	-1.262E-05	-1.411E-17
244	4	51.75	1	-5.457E-12	2.937E+02	1.477E-14	-2.124E-15	-8.778E-08	-2.533E+03	-9.618E-06	-1.058E-17
244	5	69.00	1	-5.457E-12	-3.476E-10	1.477E-14	-2.124E-15	-8.778E-08	-9.284E-08	3.799E-13	-1.154E-24
245	1	0.00	1	-3.865E-12	-1.145E-10	-7.951E-14	0.000E+00	-1.747E-11	7.319E-08	0.000E+00	0.000E+00
245	2	17.25	1	-3.865E-12	-2.937E+02	-7.951E-14	0.000E+00	-1.610E-11	-2.533E+03	-9.618E-06	0.000E+00
245	3	34.50	1	-3.865E-12	-5.874E+02	-7.951E-14	0.000E+00	-1.473E-11	-1.013E+04	-1.262E-05	0.000E+00
245	4	51.75	1	-3.865E-12	-8.812E+02	-7.951E-14	0.000E+00	-1.336E-11	-2.280E+04	-9.263E-06	0.000E+00
245	5	69.00	1	-3.865E-12	-1.175E+03	-7.951E-14	0.000E+00	-1.199E-11	-4.053E+04	7.480E-15	0.000E+00
246	1	0.00	1	-3.865E-12	1.650E-11	1.661E-13	0.000E+00	-1.182E-11	6.015E-08	0.000E+00	0.000E+00
246	2	17.25	1	-3.865E-12	-2.937E+02	1.661E-13	0.000E+00	-1.468E-11	-2.533E+03	-9.618E-06	0.000E+00
246	3	34.50	1	-3.865E-12	-5.874E+02	1.661E-13	0.000E+00	-1.755E-11	-1.013E+04	-1.262E-05	0.000E+00
246	4	51.75	1	-3.865E-12	-8.812E+02	1.661E-13	0.000E+00	-2.041E-11	-2.280E+04	-9.263E-06	0.000E+00
246	5	69.00	1	-3.865E-12	-1.175E+03	1.661E-13	0.000E+00	-2.328E-11	-4.053E+04	7.487E-15	0.000E+00
247	1	0.00	1	-4.726E+01	4.277E+04	-2.487E+00	1.138E-01	-5.983E+01	-4.053E+04	0.000E+00	0.000E+00
247	2	45.25	1	-4.640E+01	4.200E+04	-2.487E+00	1.138E-01	5.270E+01	1.877E+06	-1.198E-03	1.060E-07
247	3	90.50	1	-4.555E+01	4.123E+04	-2.487E+00	1.138E-01	1.652E+02	3.760E+06	-1.898E-03	1.828E-07
247	4	135.75	1	-4.470E+01	4.045E+04	-2.487E+00	1.138E-01	2.777E+02	5.608E+06	-1.647E-03	1.682E-07
247	5	181.00	1	-4.385E+01	3.968E+04	-2.487E+00	1.138E-01	3.903E+02	7.421E+06	-3.586E-11	-7.957E-15
248	1	0.00	1	-4.726E+01	4.277E+04	2.487E+00	-1.138E-01	5.983E+01	-4.053E+04	0.000E+00	0.000E+00
248	2	45.25	1	-4.640E+01	4.200E+04	2.487E+00	-1.138E-01	-5.270E+01	1.877E+06	-1.198E-03	-1.060E-07
248	3	90.50	1	-4.555E+01	4.123E+04	2.487E+00	-1.138E-01	-1.652E+02	3.760E+06	-1.898E-03	-1.828E-07
248	4	135.75	1	-4.470E+01	4.045E+04	2.487E+00	-1.138E-01	-2.777E+02	5.608E+06	-1.647E-03	-1.682E-07
248	5	181.00	1	-4.385E+01	3.968E+04	2.487E+00	-1.138E-01	-3.903E+02	7.421E+06	-3.586E-11	7.954E-15
249	1	0.00	1	-3.174E+01	3.231E+04	7.684E-01	1.887E-02	3.405E+02	7.421E+06	0.000E+00	0.000E+00
249	2	127.25	1	-2.961E+01	3.014E+04	7.684E-01	1.887E-02	2.428E+02	1.139E+07	-3.994E-02	1.165E-06
249	3	254.50	1	-2.748E+01	2.797E+04	7.684E-01	1.887E-02	1.450E+02	1.509E+07	-5.786E-02	1.268E-06
249	4	381.75	1	-2.535E+01	2.581E+04	7.684E-01	1.887E-02	4.719E+01	1.851E+07	-4.672E-02	7.373E-07
249	5	509.00	1	-2.322E+01	2.364E+04	7.684E-01	1.887E-02	-5.059E+01	2.166E+07	-5.530E-10	-2.785E-13
250	1	0.00	1	-3.174E+01	3.231E+04	-7.684E-01	-1.887E-02	-3.405E+02	7.421E+06	0.000E+00	0.000E+00
250	2	127.25	1	-2.961E+01	3.014E+04	-7.684E-01	-1.887E-02	-2.428E+02	1.139E+07	-3.994E-02	-1.165E-06
250	3	254.50	1	-2.748E+01	2.797E+04	-7.684E-01	-1.887E-02	-1.450E+02	1.509E+07	-5.786E-02	-1.268E-06
250	4	381.75	1	-2.535E+01	2.581E+04	-7.684E-01	-1.887E-02	-4.719E+01	1.851E+07	-4.672E-02	-7.373E-07
250	5	509.00	1	-2.322E+01	2.364E+04	-7.684E-01	-1.887E-02	5.059E+01	2.166E+07	-5.530E-10	2.785E-13
251	1	0.00	1	-1.376E+01	1.404E+04	2.144E+00	9.416E-03	-1.110E+02	2.166E+07	0.000E+00	0.000E+00
251	2	127.50	1	-1.164E+01	1.187E+04	2.144E+00	9.416E-03	-3.845E+02	2.331E+07	-6.983E-02	-3.733E-06
251	3	255.00	1	-9.507E+00	9.698E+03	2.144E+00	9.416E-03	-6.579E+02	2.469E+07	-9.477E-02	-5.778E-06
251	4	382.50	1	-7.379E+00	7.527E+03	2.144E+00	9.416E-03	-9.313E+02	2.578E+07	-7.219E-02	-4.933E-06
251	5	510.00	1	-5.251E+00	5.356E+03	2.144E+00	9.416E-03	-1.205E+03	2.661E+07	-1.346E-09	-2.104E-13
252	1	0.00	1	-1.376E+01	1.404E+04	-2.144E+00	-9.416E-03	1.110E+02	2.166E+07	0.000E+00	0.000E+00
252	2	127.50	1	-1.164E+01	1.187E+04	-2.144E+00	-9.416E-03	3.845E+02	2.331E+07	-6.983E-02	3.733E-06
252	3	255.00	1	-9.507E+00	9.698E+03	-2.144E+00	-9.416E-03	6.579E+02	2.469E+07	-9.477E-02	5.778E-06
252	4	382.50	1	-7.379E+00	7.527E+03	-2.144E+00	-9.416E-03	9.313E+02	2.578E+07	-7.219E-02	4.933E-06
252	5	510.00	1	-5.251E+00	5.356E+03	-2.144E+00	-9.416E-03	1.205E+03	2.661E+07	-1.346E-09	2.104E-13
253	1	0.00	1	5.251E+00	-5.356E+03	-4.206E+01	-9.417E-03	-1.288E+03	2.661E+07	0.000E+00	0.000E+00
253	2	127.50	1	7.379E+00	-7.527E+03	-4.206E+01	-9.417E-03	4.076E+03	2.578E+07	-7.219E-02	5.039E-05
253	3	255.00	1	9.507E+00	-9.698E+03	-4.206E+01	-9.417E-03	9.439E+03	2.469E+07	-9.477E-02	8.289E-05
253	4	382.50	1	1.164E+01	-1.187E+04	-4.206E+01	-9.417E-03	1.480E+04	2.331E+07	-6.983E-02	7.394E-05
253	5	510.00	1	1.376E+01	-1.404E+04	-4.206E+01	-9.417E-03	2.017E+04	2.166E+07	2.451E-09	5.939E-13
254	1	0.00	1	5.251E+00	-5.356E+03	4.206E+01	9.417E-03	1.288E+03	2.661E+07	0.000E+00	0.000E+00
254	2	127.50	1	7.379E+00	-7.527E+03	4.206E+01	9.417E-03	-4.076E+03	2.578E+07	-7.219E-02	-5.039E-05
254	3	255.00	1	9.507E+00	-9.698E+03	4.206E+01	9.417E-03	-9.439E+03	2.469E+07	-9.477E-02	-8.289E-05
254	4	382.50	1	1.164E+01	-1.187E+04	4.206E+01	9.417E-03	-1.480E+04	2.331E+07	-6.983E-02	-7.394E-05
254	5	510.00	1	1.376E+01	-1.404E+04	4.206E+01	9.417E-03	-2.017E+04	2.166E+07	2.451E-09	-5.940E-13
255	1	0.00	1	2.322E+01	-2.364E+04	3.483E+02	-1.887E-02	2.031E+04	2.166E+07	0.000E+00	0.000E+00

255	2	127.25	1	2.535E+01	-2.581E+04	3.483E+02	-1.887E-02	-2.402E+04	1.851E+07	-4.672E-02	-3.514E-04
255	3	254.50	1	2.748E+01	-2.797E+04	3.483E+02	-1.887E-02	-6.834E+04	1.509E+07	-5.786E-02	-5.978E-04
255	4	381.75	1	2.961E+01	-3.014E+04	3.483E+02	-1.887E-02	-1.127E+05	1.139E+07	-3.994E-02	-5.453E-04
255	5	509.00	1	3.174E+01	-3.231E+04	3.483E+02	-1.887E-02	-1.570E+05	7.421E+06	-9.714E-09	-3.900E-12
256	1	0.00	1	2.322E+01	-2.364E+04	-3.483E+02	1.887E-02	-2.031E+04	2.166E+07	0.000E+00	0.000E+00
256	2	127.25	1	2.535E+01	-2.581E+04	-3.483E+02	1.887E-02	2.402E+04	1.851E+07	-4.672E-02	3.514E-04
256	3	254.50	1	2.748E+01	-2.797E+04	-3.483E+02	1.887E-02	6.834E+04	1.509E+07	-5.786E-02	5.978E-04
256	4	381.75	1	2.961E+01	-3.014E+04	-3.483E+02	1.887E-02	1.127E+05	1.139E+07	-3.994E-02	5.453E-04
256	5	509.00	1	3.174E+01	-3.231E+04	-3.483E+02	1.887E-02	1.570E+05	7.421E+06	-9.714E-09	3.900E-12
257	1	0.00	1	4.385E+01	-3.968E+04	-9.149E+02	-1.138E-01	-1.584E+05	7.421E+06	0.000E+00	0.000E+00
257	2	45.25	1	4.470E+01	-4.045E+04	-9.149E+02	-1.138E-01	-1.170E+05	5.608E+06	-1.647E-03	-7.420E-05
257	3	90.50	1	4.555E+01	-4.123E+04	-9.149E+02	-1.138E-01	-7.564E+04	3.760E+06	-1.898E-03	-8.367E-05
257	4	135.75	1	4.640E+01	-4.200E+04	-9.149E+02	-1.138E-01	-3.424E+04	1.877E+06	-1.198E-03	-5.130E-05
257	5	181.00	1	4.726E+01	-4.277E+04	-9.149E+02	-1.138E-01	7.164E+03	-4.053E+04	-6.289E-10	1.992E-11
258	1	0.00	1	4.385E+01	-3.968E+04	9.149E+02	1.138E-01	1.584E+05	7.421E+06	0.000E+00	0.000E+00
258	2	45.25	1	4.470E+01	-4.045E+04	9.149E+02	1.138E-01	1.170E+05	5.608E+06	-1.647E-03	7.420E-05
258	3	90.50	1	4.555E+01	-4.123E+04	9.149E+02	1.138E-01	7.564E+04	3.760E+06	-1.898E-03	8.367E-05
258	4	135.75	1	4.640E+01	-4.200E+04	9.149E+02	1.138E-01	3.424E+04	1.877E+06	-1.198E-03	5.130E-05
258	5	181.00	1	4.726E+01	-4.277E+04	9.149E+02	1.138E-01	-7.164E+03	-4.053E+04	-6.289E-10	-1.992E-11
259	1	0.00	1	-1.703E+00	1.175E+03	9.709E-11	4.612E-12	5.157E-10	-4.053E+04	0.000E+00	0.000E+00
259	2	17.25	1	-1.277E+00	8.812E+02	9.709E-11	4.612E-12	-1.159E-09	-2.280E+04	-9.263E-06	-2.336E-19
259	3	34.50	1	-8.514E-01	5.874E+02	9.709E-11	4.612E-12	-2.834E-09	-1.013E+04	-1.262E-05	-4.019E-19
259	4	51.75	1	-4.257E-01	2.937E+02	9.709E-11	4.612E-12	-4.509E-09	-2.533E+03	-9.618E-06	-3.692E-19
259	5	69.00	1	-4.885E-11	-1.092E-09	9.709E-11	4.612E-12	-6.183E-09	-5.407E-10	1.621E-13	5.504E-26
260	1	0.00	1	-1.703E+00	1.175E+03	1.611E-10	4.470E-12	3.744E-09	-4.053E+04	0.000E+00	0.000E+00
260	2	17.25	1	-1.277E+00	8.812E+02	1.611E-10	4.470E-12	9.654E-10	-2.280E+04	-9.263E-06	-1.404E-19
260	3	34.50	1	-8.514E-01	5.874E+02	1.611E-10	4.470E-12	-1.814E-09	-1.013E+04	-1.262E-05	-3.154E-19
260	4	51.75	1	-4.257E-01	2.937E+02	1.611E-10	4.470E-12	-4.593E-09	-2.533E+03	-9.618E-06	-3.327E-19
260	5	69.00	1	1.104E-10	-4.476E-10	1.611E-10	4.470E-12	-7.372E-09	-4.539E-09	1.621E-13	1.950E-27
261	1	0.00	1	3.160E-12	-2.091E-10	-3.155E-12	1.482E-13	-1.537E-10	8.665E-08	0.000E+00	0.000E+00
261	2	17.25	1	4.257E-01	-2.937E+02	-3.155E-12	1.482E-13	-9.928E-11	-2.533E+03	-9.618E-06	0.000E+00
261	3	34.50	1	8.514E-01	-5.874E+02	-3.155E-12	1.482E-13	-4.486E-11	-1.013E+04	-1.262E-05	0.000E+00
261	4	51.75	1	1.277E+00	-8.812E+02	-3.155E-12	1.482E-13	9.557E-12	-2.280E+04	-9.263E-06	0.000E+00
261	5	69.00	1	1.703E+00	-1.175E+03	-3.155E-12	1.482E-13	6.398E-11	-4.053E+04	-1.370E-14	0.000E+00
262	1	0.00	1	1.853E-12	-3.989E-11	-2.800E-12	-1.470E-13	3.638E-12	3.869E-08	0.000E+00	0.000E+00
262	2	17.25	1	4.257E-01	-2.937E+02	-2.800E-12	-1.470E-13	5.193E-11	-2.533E+03	-9.618E-06	0.000E+00
262	3	34.50	1	8.514E-01	-5.874E+02	-2.800E-12	-1.470E-13	1.002E-10	-1.013E+04	-1.262E-05	0.000E+00
262	4	51.75	1	1.277E+00	-8.812E+02	-2.800E-12	-1.470E-13	1.485E-10	-2.280E+04	-9.263E-06	0.000E+00
262	5	69.00	1	1.703E+00	-1.175E+03	-2.800E-12	-1.470E-13	1.968E-10	-4.053E+04	-1.369E-14	0.000E+00
263	1	0.00	1	-4.726E+01	4.277E+04	9.293E+02	1.138E-01	7.193E+03	-4.053E+04	0.000E+00	0.000E+00
263	2	45.25	1	-4.640E+01	4.200E+04	9.293E+02	1.138E-01	-3.486E+04	1.877E+06	-1.198E-03	-5.218E-05
263	3	90.50	1	-4.555E+01	4.123E+04	9.293E+02	1.138E-01	-7.691E+04	3.760E+06	-1.898E-03	-8.507E-05
263	4	135.75	1	-4.470E+01	4.045E+04	9.293E+02	1.138E-01	-1.190E+05	5.608E+06	-1.647E-03	-7.543E-05
263	5	181.00	1	-4.385E+01	3.968E+04	9.293E+02	1.138E-01	-1.610E+05	7.421E+06	-1.187E-10	-1.008E-12
264	1	0.00	1	-4.726E+01	4.277E+04	-9.293E+02	-1.138E-01	-7.193E+03	-4.053E+04	0.000E+00	0.000E+00
264	2	45.25	1	-4.640E+01	4.200E+04	-9.293E+02	-1.138E-01	3.486E+04	1.877E+06	-1.198E-03	5.218E-05
264	3	90.50	1	-4.555E+01	4.123E+04	-9.293E+02	-1.138E-01	7.691E+04	3.760E+06	-1.898E-03	8.507E-05
264	4	135.75	1	-4.470E+01	4.045E+04	-9.293E+02	-1.138E-01	1.190E+05	5.608E+06	-1.647E-03	7.543E-05
264	5	181.00	1	-4.385E+01	3.968E+04	-9.293E+02	-1.138E-01	1.610E+05	7.421E+06	-1.187E-10	1.008E-12
265	1	0.00	1	-3.174E+01	3.231E+04	-3.543E+02	1.887E-02	-1.596E+05	7.421E+06	0.000E+00	0.000E+00
265	2	127.25	1	-2.961E+01	3.014E+04	-3.543E+02	1.887E-02	-1.145E+05	1.139E+07	-3.994E-02	-5.543E-04
265	3	254.50	1	-2.748E+01	2.797E+04	-3.543E+02	1.887E-02	-6.946E+04	1.509E+07	-5.786E-02	-6.076E-04
265	4	381.75	1	-2.535E+01	2.581E+04	-3.543E+02	1.887E-02	-2.437E+04	1.851E+07	-4.672E-02	-3.571E-04
265	5	509.00	1	-2.322E+01	2.364E+04	-3.543E+02	1.887E-02	2.072E+04	2.166E+07	-1.046E-09	-7.137E-11
266	1	0.00	1	-3.174E+01	3.231E+04	3.543E+02	-1.887E-02	1.596E+05	7.421E+06	0.000E+00	0.000E+00
266	2	127.25	1	-2.961E+01	3.014E+04	3.543E+02	-1.887E-02	1.145E+05	1.139E+07	-3.994E-02	5.543E-04
266	3	254.50	1	-2.748E+01	2.797E+04	3.543E+02	-1.887E-02	6.946E+04	1.509E+07	-5.786E-02	6.076E-04
266	4	381.75	1	-2.535E+01	2.581E+04	3.543E+02	-1.887E-02	2.437E+04	1.851E+07	-4.672E-02	3.571E-04
266	5	509.00	1	-2.322E+01	2.364E+04	3.543E+02	-1.887E-02	-2.072E+04	2.166E+07	-1.046E-09	7.137E-11
267	1	0.00	1	-1.376E+01	1.404E+04	4.254E+01	9.416E-03	2.045E+04	2.166E+07	0.000E+00	0.000E+00
267	2	127.50	1	-1.164E+01	1.187E+04	4.254E+01	9.416E-03	1.503E+04	2.331E+07	-6.983E-02	7.516E-05
267	3	255.00	1	-9.507E+00	9.698E+03	4.254E+01	9.416E-03	9.602E+03	2.469E+07	-9.477E-02	8.433E-05

267	4	382.50	1	-7.379E+00	7.527E+03	4.254E+01	9.416E-03	4.178E+03	2.578E+07	-7.219E-02	5.134E-05
267	5	510.00	1	-5.251E+00	5.356E+03	4.254E+01	9.416E-03	-1.246E+03	2.661E+07	-1.170E-09	-1.477E-12
268	1	0.00	1	-1.376E+01	1.404E+04	-4.254E+01	-9.416E-03	-2.045E+04	2.166E+07	0.000E+00	0.000E+00
268	2	127.50	1	-1.164E+01	1.187E+04	-4.254E+01	-9.416E-03	-1.503E+04	2.331E+07	-6.983E-02	-7.516E-05
268	3	255.00	1	-9.507E+00	9.698E+03	-4.254E+01	-9.416E-03	-9.602E+03	2.469E+07	-9.477E-02	-8.433E-05
268	4	382.50	1	-7.379E+00	7.527E+03	-4.254E+01	-9.416E-03	-4.178E+03	2.578E+07	-7.219E-02	-5.134E-05
268	5	510.00	1	-5.251E+00	5.356E+03	-4.254E+01	-9.416E-03	1.246E+03	2.661E+07	-1.170E-09	1.477E-12
269	1	0.00	1	5.251E+00	-5.356E+03	-2.593E+00	-9.416E-03	-1.298E+03	2.661E+07	0.000E+00	0.000E+00
269	2	127.50	1	7.379E+00	-7.527E+03	-2.593E+00	-9.416E-03	-9.679E+02	2.578E+07	-7.219E-02	-4.923E-06
269	3	255.00	1	9.507E+00	-9.698E+03	-2.593E+00	-9.416E-03	-6.373E+02	2.469E+07	-9.477E-02	-5.597E-06
269	4	382.50	1	1.164E+01	-1.187E+04	-2.593E+00	-9.416E-03	-3.067E+02	2.331E+07	-6.983E-02	-3.472E-06
269	5	510.00	1	1.376E+01	-1.404E+04	-2.593E+00	-9.416E-03	2.387E+01	2.166E+07	2.367E-09	4.823E-13
270	1	0.00	1	5.251E+00	-5.356E+03	2.593E+00	9.416E-03	1.298E+03	2.661E+07	0.000E+00	0.000E+00
270	2	127.50	1	7.379E+00	-7.527E+03	2.593E+00	9.416E-03	9.679E+02	2.578E+07	-7.219E-02	4.923E-06
270	3	255.00	1	9.507E+00	-9.698E+03	2.593E+00	9.416E-03	6.373E+02	2.469E+07	-9.477E-02	5.597E-06
270	4	382.50	1	1.164E+01	-1.187E+04	2.593E+00	9.416E-03	3.067E+02	2.331E+07	-6.983E-02	3.472E-06
270	5	510.00	1	1.376E+01	-1.404E+04	2.593E+00	9.416E-03	-2.387E+01	2.166E+07	2.367E-09	-4.824E-13
271	1	0.00	1	2.322E+01	-2.364E+04	5.137E-01	-1.887E-02	-3.643E+01	2.166E+07	0.000E+00	0.000E+00
271	2	127.25	1	2.535E+01	-2.581E+04	5.137E-01	-1.887E-02	-1.018E+02	1.851E+07	-4.672E-02	-9.538E-07
271	3	254.50	1	2.748E+01	-2.797E+04	5.137E-01	-1.887E-02	-1.672E+02	1.509E+07	-5.786E-02	-1.462E-06
271	4	381.75	1	2.961E+01	-3.014E+04	5.137E-01	-1.887E-02	-2.325E+02	1.139E+07	-3.994E-02	-1.240E-06
271	5	509.00	1	3.174E+01	-3.231E+04	5.137E-01	-1.887E-02	-2.979E+02	7.421E+06	-1.006E-08	1.760E-13
272	1	0.00	1	2.322E+01	-2.364E+04	-5.137E-01	1.887E-02	3.643E+01	2.166E+07	0.000E+00	0.000E+00
272	2	127.25	1	2.535E+01	-2.581E+04	-5.137E-01	1.887E-02	1.018E+02	1.851E+07	-4.672E-02	9.538E-07
272	3	254.50	1	2.748E+01	-2.797E+04	-5.137E-01	1.887E-02	1.672E+02	1.509E+07	-5.786E-02	1.462E-06
272	4	381.75	1	2.961E+01	-3.014E+04	-5.137E-01	1.887E-02	2.325E+02	1.139E+07	-3.994E-02	1.240E-06
272	5	509.00	1	3.174E+01	-3.231E+04	-5.137E-01	1.887E-02	2.979E+02	7.421E+06	-1.006E-08	-1.762E-13
273	1	0.00	1	4.385E+01	-3.968E+04	-2.257E+00	-1.138E-01	-3.480E+02	7.421E+06	0.000E+00	0.000E+00
273	2	45.25	1	4.470E+01	-4.045E+04	-2.257E+00	-1.138E-01	-2.459E+02	5.608E+06	-1.647E-03	-1.475E-07
273	3	90.50	1	4.555E+01	-4.123E+04	-2.257E+00	-1.138E-01	-1.438E+02	3.760E+06	-1.898E-03	-1.590E-07
273	4	135.75	1	4.640E+01	-4.200E+04	-2.257E+00	-1.138E-01	-4.166E+01	1.877E+06	-1.198E-03	-9.103E-08
273	5	181.00	1	4.726E+01	-4.277E+04	-2.257E+00	-1.138E-01	6.046E+01	-4.053E+04	-2.864E-10	-1.210E-14
274	1	0.00	1	4.385E+01	-3.968E+04	2.257E+00	1.138E-01	3.480E+02	7.421E+06	0.000E+00	0.000E+00
274	2	45.25	1	4.470E+01	-4.045E+04	2.257E+00	1.138E-01	2.459E+02	5.608E+06	-1.647E-03	1.475E-07
274	3	90.50	1	4.555E+01	-4.123E+04	2.257E+00	1.138E-01	1.438E+02	3.760E+06	-1.898E-03	1.590E-07
274	4	135.75	1	4.640E+01	-4.200E+04	2.257E+00	1.138E-01	4.166E+01	1.877E+06	-1.198E-03	9.103E-08
274	5	181.00	1	4.726E+01	-4.277E+04	2.257E+00	1.138E-01	-6.046E+01	-4.053E+04	-2.864E-10	1.207E-14
275	1	0.00	1	-3.638E-12	1.175E+03	-1.686E-14	6.570E-16	-1.088E-10	-4.053E+04	0.000E+00	0.000E+00
275	2	17.25	1	-3.638E-12	8.812E+02	-1.686E-14	6.570E-16	-1.086E-10	-2.280E+04	-9.263E-06	0.000E+00
275	3	34.50	1	-3.638E-12	5.874E+02	-1.686E-14	6.570E-16	-1.083E-10	-1.013E+04	-1.262E-05	0.000E+00
275	4	51.75	1	-3.638E-12	2.937E+02	-1.686E-14	6.570E-16	-1.080E-10	-2.533E+03	-9.618E-06	0.000E+00
275	5	69.00	1	-3.638E-12	-1.838E-10	-1.686E-14	6.570E-16	-1.077E-10	-8.901E-09	3.799E-13	0.000E+00
276	1	0.00	1	7.276E-12	1.175E+03	-1.176E-13	7.033E-16	-1.603E-08	-4.053E+04	0.000E+00	0.000E+00
276	2	17.25	1	7.276E-12	8.812E+02	-1.176E-13	7.033E-16	-1.603E-08	-2.280E+04	-9.263E-06	-1.839E-18
276	3	34.50	1	7.276E-12	5.874E+02	-1.176E-13	7.033E-16	-1.603E-08	-1.013E+04	-1.262E-05	-2.451E-18
276	4	51.75	1	7.276E-12	2.937E+02	-1.176E-13	7.033E-16	-1.603E-08	-2.533E+03	-9.618E-06	-1.838E-18
276	5	69.00	1	7.276E-12	1.275E-09	-1.176E-13	7.033E-16	-1.602E-08	5.544E-08	3.799E-13	2.080E-26
277	1	0.00	1	-2.103E-12	2.930E-10	3.020E-13	0.000E+00	3.826E-12	7.458E-08	0.000E+00	0.000E+00
277	2	17.25	1	-2.103E-12	-2.937E+02	3.020E-13	0.000E+00	-1.383E-12	-2.533E+03	-9.618E-06	0.000E+00
277	3	34.50	1	-2.103E-12	-5.874E+02	3.020E-13	0.000E+00	-6.593E-12	-1.013E+04	-1.262E-05	0.000E+00
277	4	51.75	1	-2.103E-12	-8.812E+02	3.020E-13	0.000E+00	-1.180E-11	-2.280E+04	-9.263E-06	0.000E+00
277	5	69.00	1	-2.103E-12	-1.175E+03	3.020E-13	0.000E+00	-1.701E-11	-4.053E+04	7.475E-15	0.000E+00
278	1	0.00	1	-2.103E-12	-1.599E-10	1.428E-13	0.000E+00	-1.279E-11	5.642E-08	0.000E+00	0.000E+00
278	2	17.25	1	-2.103E-12	-2.937E+02	1.428E-13	0.000E+00	-1.525E-11	-2.533E+03	-9.618E-06	0.000E+00
278	3	34.50	1	-2.103E-12	-5.874E+02	1.428E-13	0.000E+00	-1.772E-11	-1.013E+04	-1.262E-05	0.000E+00
278	4	51.75	1	-2.103E-12	-8.812E+02	1.428E-13	0.000E+00	-2.018E-11	-2.280E+04	-9.263E-06	0.000E+00
278	5	69.00	1	-2.103E-12	-1.175E+03	1.428E-13	0.000E+00	-2.264E-11	-4.053E+04	7.484E-15	0.000E+00
279	1	0.00	1	-4.726E+01	4.277E+04	-2.487E+00	1.138E-01	-5.983E+01	-4.053E+04	0.000E+00	0.000E+00
279	2	45.25	1	-4.640E+01	4.200E+04	-2.487E+00	1.138E-01	5.270E+01	1.877E+06	-1.198E-03	1.060E-07
279	3	90.50	1	-4.555E+01	4.123E+04	-2.487E+00	1.138E-01	1.652E+02	3.760E+06	-1.898E-03	1.828E-07
279	4	135.75	1	-4.470E+01	4.045E+04	-2.487E+00	1.138E-01	2.777E+02	5.608E+06	-1.647E-03	1.682E-07
279	5	181.00	1	-4.385E+01	3.968E+04	-2.487E+00	1.138E-01	3.903E+02	7.421E+06	-3.586E-11	-7.955E-15

280	1	0.00	1	-4.726E+01	4.277E+04	2.487E+00	-1.138E-01	5.983E+01	-4.053E+04	0.000E+00	0.000E+00
280	2	45.25	1	-4.640E+01	4.200E+04	2.487E+00	-1.138E-01	-5.270E+01	1.877E+06	-1.198E-03	-1.060E-07
280	3	90.50	1	-4.555E+01	4.123E+04	2.487E+00	-1.138E-01	-1.652E+02	3.760E+06	-1.898E-03	-1.828E-07
280	4	135.75	1	-4.470E+01	4.045E+04	2.487E+00	-1.138E-01	-2.777E+02	5.608E+06	-1.647E-03	-1.682E-07
280	5	181.00	1	-4.385E+01	3.968E+04	2.487E+00	-1.138E-01	-3.903E+02	7.421E+06	-3.586E-11	7.956E-15
281	1	0.00	1	-3.174E+01	3.231E+04	7.684E-01	1.887E-02	3.405E+02	7.421E+06	0.000E+00	0.000E+00
281	2	127.25	1	-2.961E+01	3.014E+04	7.684E-01	1.887E-02	2.428E+02	1.139E+07	-3.994E-02	1.165E-06
281	3	254.50	1	-2.748E+01	2.797E+04	7.684E-01	1.887E-02	1.450E+02	1.509E+07	-5.786E-02	1.268E-06
281	4	381.75	1	-2.535E+01	2.581E+04	7.684E-01	1.887E-02	4.719E+01	1.851E+07	-4.672E-02	7.373E-07
281	5	509.00	1	-2.322E+01	2.364E+04	7.684E-01	1.887E-02	-5.059E+01	2.166E+07	-5.530E-10	-2.785E-13
282	1	0.00	1	-3.174E+01	3.231E+04	-7.684E-01	-1.887E-02	-3.405E+02	7.421E+06	0.000E+00	0.000E+00
282	2	127.25	1	-2.961E+01	3.014E+04	-7.684E-01	-1.887E-02	-2.428E+02	1.139E+07	-3.994E-02	-1.165E-06
282	3	254.50	1	-2.748E+01	2.797E+04	-7.684E-01	-1.887E-02	-1.450E+02	1.509E+07	-5.786E-02	-1.268E-06
282	4	381.75	1	-2.535E+01	2.581E+04	-7.684E-01	-1.887E-02	-4.719E+01	1.851E+07	-4.672E-02	-7.373E-07
282	5	509.00	1	-2.322E+01	2.364E+04	-7.684E-01	-1.887E-02	5.059E+01	2.166E+07	-5.529E-10	2.785E-13
283	1	0.00	1	-1.376E+01	1.404E+04	2.144E+00	9.416E-03	-1.110E+02	2.166E+07	0.000E+00	0.000E+00
283	2	127.50	1	-1.164E+01	1.187E+04	2.144E+00	9.416E-03	-3.845E+02	2.331E+07	-6.983E-02	-3.733E-06
283	3	255.00	1	-9.507E+00	9.698E+03	2.144E+00	9.416E-03	-6.579E+02	2.469E+07	-9.477E-02	-5.778E-06
283	4	382.50	1	-7.379E+00	7.527E+03	2.144E+00	9.416E-03	-9.313E+02	2.578E+07	-7.219E-02	-4.933E-06
283	5	510.00	1	-5.251E+00	5.356E+03	2.144E+00	9.416E-03	-1.205E+03	2.661E+07	-1.346E-09	-2.104E-13
284	1	0.00	1	-1.376E+01	1.404E+04	-2.144E+00	-9.416E-03	1.110E+02	2.166E+07	0.000E+00	0.000E+00
284	2	127.50	1	-1.164E+01	1.187E+04	-2.144E+00	-9.416E-03	3.845E+02	2.331E+07	-6.983E-02	3.733E-06
284	3	255.00	1	-9.507E+00	9.698E+03	-2.144E+00	-9.416E-03	6.579E+02	2.469E+07	-9.477E-02	5.778E-06
284	4	382.50	1	-7.379E+00	7.527E+03	-2.144E+00	-9.416E-03	9.313E+02	2.578E+07	-7.219E-02	4.933E-06
284	5	510.00	1	-5.251E+00	5.356E+03	-2.144E+00	-9.416E-03	1.205E+03	2.661E+07	-1.346E-09	2.104E-13
285	1	0.00	1	5.251E+00	-5.356E+03	-4.206E+01	-9.417E-03	-1.288E+03	2.661E+07	0.000E+00	0.000E+00
285	2	127.50	1	7.379E+00	-7.527E+03	-4.206E+01	-9.417E-03	4.076E+03	2.578E+07	-7.219E-02	5.039E-05
285	3	255.00	1	9.507E+00	-9.698E+03	-4.206E+01	-9.417E-03	9.439E+03	2.469E+07	-9.477E-02	8.289E-05
285	4	382.50	1	1.164E+01	-1.187E+04	-4.206E+01	-9.417E-03	1.480E+04	2.331E+07	-6.983E-02	7.394E-05
285	5	510.00	1	1.376E+01	-1.404E+04	-4.206E+01	-9.417E-03	2.017E+04	2.166E+07	2.451E-09	5.939E-13
286	1	0.00	1	5.251E+00	-5.356E+03	4.206E+01	9.417E-03	1.288E+03	2.661E+07	0.000E+00	0.000E+00
286	2	127.50	1	7.379E+00	-7.527E+03	4.206E+01	9.417E-03	-4.076E+03	2.578E+07	-7.219E-02	-5.039E-05
286	3	255.00	1	9.507E+00	-9.698E+03	4.206E+01	9.417E-03	-9.439E+03	2.469E+07	-9.477E-02	-8.289E-05
286	4	382.50	1	1.164E+01	-1.187E+04	4.206E+01	9.417E-03	-1.480E+04	2.331E+07	-6.983E-02	-7.394E-05
286	5	510.00	1	1.376E+01	-1.404E+04	4.206E+01	9.417E-03	-2.017E+04	2.166E+07	2.451E-09	-5.938E-13
287	1	0.00	1	2.322E+01	-2.364E+04	3.483E+02	-1.887E-02	2.031E+04	2.166E+07	0.000E+00	0.000E+00
287	2	127.25	1	2.535E+01	-2.581E+04	3.483E+02	-1.887E-02	-2.402E+04	1.851E+07	-4.672E-02	-3.514E-04
287	3	254.50	1	2.748E+01	-2.797E+04	3.483E+02	-1.887E-02	-6.834E+04	1.509E+07	-5.786E-02	-5.978E-04
287	4	381.75	1	2.961E+01	-3.014E+04	3.483E+02	-1.887E-02	-1.127E+05	1.139E+07	-3.994E-02	-5.453E-04
287	5	509.00	1	3.174E+01	-3.231E+04	3.483E+02	-1.887E-02	-1.570E+05	7.421E+06	-9.714E-09	-3.900E-12
288	1	0.00	1	2.322E+01	-2.364E+04	-3.483E+02	1.887E-02	-2.031E+04	2.166E+07	0.000E+00	0.000E+00
288	2	127.25	1	2.535E+01	-2.581E+04	-3.483E+02	1.887E-02	2.402E+04	1.851E+07	-4.672E-02	3.514E-04
288	3	254.50	1	2.748E+01	-2.797E+04	-3.483E+02	1.887E-02	6.834E+04	1.509E+07	-5.786E-02	5.978E-04
288	4	381.75	1	2.961E+01	-3.014E+04	-3.483E+02	1.887E-02	1.127E+05	1.139E+07	-3.994E-02	5.453E-04
288	5	509.00	1	3.174E+01	-3.231E+04	-3.483E+02	1.887E-02	1.570E+05	7.421E+06	-9.714E-09	3.900E-12
289	1	0.00	1	4.385E+01	-3.968E+04	-9.149E+02	-1.138E-01	-1.584E+05	7.421E+06	0.000E+00	0.000E+00
289	2	45.25	1	4.470E+01	-4.045E+04	-9.149E+02	-1.138E-01	-1.170E+05	5.608E+06	-1.647E-03	-7.420E-05
289	3	90.50	1	4.555E+01	-4.123E+04	-9.149E+02	-1.138E-01	-7.564E+04	3.760E+06	-1.898E-03	-8.367E-05
289	4	135.75	1	4.640E+01	-4.200E+04	-9.149E+02	-1.138E-01	-3.424E+04	1.877E+06	-1.198E-03	-5.130E-05
289	5	181.00	1	4.726E+01	-4.277E+04	-9.149E+02	-1.138E-01	7.164E+03	-4.053E+04	-6.289E-10	1.992E-11
290	1	0.00	1	4.385E+01	-3.968E+04	9.149E+02	1.138E-01	1.584E+05	7.421E+06	0.000E+00	0.000E+00
290	2	45.25	1	4.470E+01	-4.045E+04	9.149E+02	1.138E-01	1.170E+05	5.608E+06	-1.647E-03	7.420E-05
290	3	90.50	1	4.555E+01	-4.123E+04	9.149E+02	1.138E-01	7.564E+04	3.760E+06	-1.898E-03	8.367E-05
290	4	135.75	1	4.640E+01	-4.200E+04	9.149E+02	1.138E-01	3.424E+04	1.877E+06	-1.198E-03	5.130E-05
290	5	181.00	1	4.726E+01	-4.277E+04	9.149E+02	1.138E-01	-7.164E+03	-4.053E+04	-6.289E-10	-1.992E-11
291	1	0.00	1	-1.703E+00	1.175E+03	8.352E-11	-2.071E-13	3.252E-09	-4.053E+04	0.000E+00	0.000E+00
291	2	17.25	1	-1.277E+00	8.812E+02	8.352E-11	-2.071E-13	1.812E-09	-2.280E+04	-9.263E-06	9.452E-20
291	3	34.50	1	-8.514E-01	5.874E+02	8.352E-11	-2.071E-13	3.708E-10	-1.013E+04	-1.262E-05	5.205E-20
291	4	51.75	1	-4.257E-01	2.937E+02	8.352E-11	-2.071E-13	-1.070E-09	-2.533E+03	-9.618E-06	-1.645E-20
291	5	69.00	1	9.847E-11	1.981E-10	8.352E-11	-2.071E-13	-2.511E-09	-1.327E-07	1.621E-13	2.017E-25
292	1	0.00	1	-1.703E+00	1.175E+03	-3.841E-11	-4.186E-12	2.099E-09	-4.053E+04	0.000E+00	0.000E+00
292	2	17.25	1	-1.277E+00	8.812E+02	-3.841E-11	-4.186E-12	2.762E-09	-2.280E+04	-9.263E-06	3.657E-19

292	3	34.50	1	-8.514E-01	5.874E+02	-3.841E-11	-4.186E-12	3.424E-09	-1.013E+04	-1.262E-05	5.271E-19
292	4	51.75	1	-4.257E-01	2.937E+02	-3.841E-11	-4.186E-12	4.087E-09	-2.533E+03	-9.618E-06	4.250E-19
292	5	69.00	1	-4.686E-11	-1.831E-11	-3.841E-11	-4.186E-12	4.750E-09	-2.428E-08	1.621E-13	-5.118E-26
293	1	0.00	1	2.930E-12	2.002E-10	-2.842E-13	-2.935E-15	-1.664E-10	2.751E-08	0.000E+00	0.000E+00
293	2	17.25	1	4.257E-01	-2.937E+02	-2.842E-13	-2.935E-15	-1.615E-10	-2.533E+03	-9.618E-06	0.000E+00
293	3	34.50	1	8.514E-01	-5.874E+02	-2.842E-13	-2.935E-15	-1.566E-10	-1.013E+04	-1.262E-05	0.000E+00
293	4	51.75	1	1.277E+00	-8.812E+02	-2.842E-13	-2.935E-15	-1.517E-10	-2.280E+04	-9.263E-06	0.000E+00
293	5	69.00	1	1.703E+00	-1.175E+03	-2.842E-13	-2.935E-15	-1.468E-10	-4.053E+04	-1.369E-14	0.000E+00
294	1	0.00	1	5.847E-13	-3.080E-11	-2.160E-12	2.700E-15	6.730E-11	7.268E-08	0.000E+00	0.000E+00
294	2	17.25	1	4.257E-01	-2.937E+02	-2.160E-12	2.700E-15	1.046E-10	-2.533E+03	-9.618E-06	0.000E+00
294	3	34.50	1	8.514E-01	-5.874E+02	-2.160E-12	2.700E-15	1.418E-10	-1.013E+04	-1.262E-05	0.000E+00
294	4	51.75	1	1.277E+00	-8.812E+02	-2.160E-12	2.700E-15	1.791E-10	-2.280E+04	-9.263E-06	0.000E+00
294	5	69.00	1	1.703E+00	-1.175E+03	-2.160E-12	2.700E-15	2.163E-10	-4.053E+04	-1.370E-14	0.000E+00
295	1	0.00	1	-4.726E+01	4.277E+04	9.293E+02	1.138E-01	7.193E+03	-4.053E+04	0.000E+00	0.000E+00
295	2	45.25	1	-4.640E+01	4.200E+04	9.293E+02	1.138E-01	-3.486E+04	1.877E+06	-1.198E-03	-5.218E-05
295	3	90.50	1	-4.555E+01	4.123E+04	9.293E+02	1.138E-01	-7.691E+04	3.760E+06	-1.898E-03	-8.507E-05
295	4	135.75	1	-4.470E+01	4.045E+04	9.293E+02	1.138E-01	-1.190E+05	5.608E+06	-1.647E-03	-7.543E-05
295	5	181.00	1	-4.385E+01	3.968E+04	9.293E+02	1.138E-01	-1.610E+05	7.421E+06	-1.187E-10	-1.007E-12
296	1	0.00	1	-4.726E+01	4.277E+04	-9.293E+02	-1.138E-01	-7.193E+03	-4.053E+04	0.000E+00	0.000E+00
296	2	45.25	1	-4.640E+01	4.200E+04	-9.293E+02	-1.138E-01	3.486E+04	1.877E+06	-1.198E-03	5.218E-05
296	3	90.50	1	-4.555E+01	4.123E+04	-9.293E+02	-1.138E-01	7.691E+04	3.760E+06	-1.898E-03	8.507E-05
296	4	135.75	1	-4.470E+01	4.045E+04	-9.293E+02	-1.138E-01	1.190E+05	5.608E+06	-1.647E-03	7.543E-05
296	5	181.00	1	-4.385E+01	3.968E+04	-9.293E+02	-1.138E-01	1.610E+05	7.421E+06	-1.187E-10	1.007E-12
297	1	0.00	1	-3.174E+01	3.231E+04	-3.543E+02	1.887E-02	-1.596E+05	7.421E+06	0.000E+00	0.000E+00
297	2	127.25	1	-2.961E+01	3.014E+04	-3.543E+02	1.887E-02	-1.145E+05	1.139E+07	-3.994E-02	-5.543E-04
297	3	254.50	1	-2.748E+01	2.797E+04	-3.543E+02	1.887E-02	-6.946E+04	1.509E+07	-5.786E-02	-6.076E-04
297	4	381.75	1	-2.535E+01	2.581E+04	-3.543E+02	1.887E-02	-2.437E+04	1.851E+07	-4.672E-02	-3.571E-04
297	5	509.00	1	-2.322E+01	2.364E+04	-3.543E+02	1.887E-02	2.072E+04	2.166E+07	-1.046E-09	-7.137E-11
298	1	0.00	1	-3.174E+01	3.231E+04	3.543E+02	-1.887E-02	1.596E+05	7.421E+06	0.000E+00	0.000E+00
298	2	127.25	1	-2.961E+01	3.014E+04	3.543E+02	-1.887E-02	1.145E+05	1.139E+07	-3.994E-02	5.543E-04
298	3	254.50	1	-2.748E+01	2.797E+04	3.543E+02	-1.887E-02	6.946E+04	1.509E+07	-5.786E-02	6.076E-04
298	4	381.75	1	-2.535E+01	2.581E+04	3.543E+02	-1.887E-02	2.437E+04	1.851E+07	-4.672E-02	3.571E-04
298	5	509.00	1	-2.322E+01	2.364E+04	3.543E+02	-1.887E-02	-2.072E+04	2.166E+07	-1.046E-09	7.137E-11
299	1	0.00	1	-1.376E+01	1.404E+04	4.254E+01	9.416E-03	2.045E+04	2.166E+07	0.000E+00	0.000E+00
299	2	127.50	1	-1.164E+01	1.187E+04	4.254E+01	9.416E-03	1.503E+04	2.331E+07	-6.983E-02	7.516E-05
299	3	255.00	1	-9.507E+00	9.698E+03	4.254E+01	9.416E-03	9.602E+03	2.469E+07	-9.477E-02	8.433E-05
299	4	382.50	1	-7.379E+00	7.527E+03	4.254E+01	9.416E-03	4.178E+03	2.578E+07	-7.219E-02	5.134E-05
299	5	510.00	1	-5.251E+00	5.356E+03	4.254E+01	9.416E-03	-1.246E+03	2.661E+07	-1.170E-09	-1.478E-12
300	1	0.00	1	-1.376E+01	1.404E+04	-4.254E+01	-9.416E-03	-2.045E+04	2.166E+07	0.000E+00	0.000E+00
300	2	127.50	1	-1.164E+01	1.187E+04	-4.254E+01	-9.416E-03	-1.503E+04	2.331E+07	-6.983E-02	-7.516E-05
300	3	255.00	1	-9.507E+00	9.698E+03	-4.254E+01	-9.416E-03	-9.602E+03	2.469E+07	-9.477E-02	-8.433E-05
300	4	382.50	1	-7.379E+00	7.527E+03	-4.254E+01	-9.416E-03	-4.178E+03	2.578E+07	-7.219E-02	-5.134E-05
300	5	510.00	1	-5.251E+00	5.356E+03	-4.254E+01	-9.416E-03	1.246E+03	2.661E+07	-1.170E-09	1.477E-12
301	1	0.00	1	5.251E+00	-5.356E+03	-2.593E+00	-9.416E-03	-1.298E+03	2.661E+07	0.000E+00	0.000E+00
301	2	127.50	1	7.379E+00	-7.527E+03	-2.593E+00	-9.416E-03	-9.679E+02	2.578E+07	-7.219E-02	-4.923E-06
301	3	255.00	1	9.507E+00	-9.698E+03	-2.593E+00	-9.416E-03	-6.373E+02	2.469E+07	-9.477E-02	-5.597E-06
301	4	382.50	1	1.164E+01	-1.187E+04	-2.593E+00	-9.416E-03	-3.067E+02	2.331E+07	-6.983E-02	-3.472E-06
301	5	510.00	1	1.376E+01	-1.404E+04	-2.593E+00	-9.416E-03	2.387E+01	2.166E+07	2.367E-09	4.822E-13
302	1	0.00	1	5.251E+00	-5.356E+03	2.593E+00	9.416E-03	1.298E+03	2.661E+07	0.000E+00	0.000E+00
302	2	127.50	1	7.379E+00	-7.527E+03	2.593E+00	9.416E-03	9.679E+02	2.578E+07	-7.219E-02	4.923E-06
302	3	255.00	1	9.507E+00	-9.698E+03	2.593E+00	9.416E-03	6.373E+02	2.469E+07	-9.477E-02	5.597E-06
302	4	382.50	1	1.164E+01	-1.187E+04	2.593E+00	9.416E-03	3.067E+02	2.331E+07	-6.983E-02	3.472E-06
302	5	510.00	1	1.376E+01	-1.404E+04	2.593E+00	9.416E-03	-2.387E+01	2.166E+07	2.367E-09	-4.825E-13
303	1	0.00	1	2.322E+01	-2.364E+04	5.137E-01	-1.887E-02	-3.643E+01	2.166E+07	0.000E+00	0.000E+00
303	2	127.25	1	2.535E+01	-2.581E+04	5.137E-01	-1.887E-02	-1.018E+02	1.851E+07	-4.672E-02	-9.538E-07
303	3	254.50	1	2.748E+01	-2.797E+04	5.137E-01	-1.887E-02	-1.672E+02	1.509E+07	-5.786E-02	-1.462E-06
303	4	381.75	1	2.961E+01	-3.014E+04	5.137E-01	-1.887E-02	-2.325E+02	1.139E+07	-3.994E-02	-1.240E-06
303	5	509.00	1	3.174E+01	-3.231E+04	5.137E-01	-1.887E-02	-2.979E+02	7.421E+06	-1.006E-08	1.759E-13
304	1	0.00	1	2.322E+01	-2.364E+04	-5.137E-01	1.887E-02	3.643E+01	2.166E+07	0.000E+00	0.000E+00
304	2	127.25	1	2.535E+01	-2.581E+04	-5.137E-01	1.887E-02	1.018E+02	1.851E+07	-4.672E-02	9.538E-07
304	3	254.50	1	2.748E+01	-2.797E+04	-5.137E-01	1.887E-02	1.672E+02	1.509E+07	-5.786E-02	1.462E-06
304	4	381.75	1	2.961E+01	-3.014E+04	-5.137E-01	1.887E-02	2.325E+02	1.139E+07	-3.994E-02	1.240E-06

304	5	509.00	1	3.174E+01	-3.231E+04	-5.137E-01	1.887E-02	2.979E+02	7.421E+06	-1.006E-08	-1.763E-13
305	1	0.00	1	4.385E+01	-3.968E+04	-2.257E+00	-1.138E-01	-3.480E+02	7.421E+06	0.000E+00	0.000E+00
305	2	45.25	1	4.470E+01	-4.045E+04	-2.257E+00	-1.138E-01	-2.459E+02	5.608E+06	-1.647E-03	-1.475E-07
305	3	90.50	1	4.555E+01	-4.123E+04	-2.257E+00	-1.138E-01	-1.438E+02	3.760E+06	-1.898E-03	-1.590E-07
305	4	135.75	1	4.640E+01	-4.200E+04	-2.257E+00	-1.138E-01	-4.166E+01	1.877E+06	-1.198E-03	-9.103E-08
305	5	181.00	1	4.726E+01	-4.277E+04	-2.257E+00	-1.138E-01	6.046E+01	-4.053E+04	-2.864E-10	-1.211E-14
306	1	0.00	1	4.385E+01	-3.968E+04	2.257E+00	1.138E-01	3.480E+02	7.421E+06	0.000E+00	0.000E+00
306	2	45.25	1	4.470E+01	-4.045E+04	2.257E+00	1.138E-01	2.459E+02	5.608E+06	-1.647E-03	1.475E-07
306	3	90.50	1	4.555E+01	-4.123E+04	2.257E+00	1.138E-01	1.438E+02	3.760E+06	-1.898E-03	1.590E-07
306	4	135.75	1	4.640E+01	-4.200E+04	2.257E+00	1.138E-01	4.166E+01	1.877E+06	-1.198E-03	9.103E-08
306	5	181.00	1	4.726E+01	-4.277E+04	2.257E+00	1.138E-01	-6.046E+01	-4.053E+04	-2.864E-10	1.205E-14
307	1	0.00	1	1.933E-12	1.175E+03	5.055E-13	1.192E-15	1.268E-10	-4.053E+04	0.000E+00	0.000E+00
307	2	17.25	1	1.933E-12	8.812E+02	5.055E-13	1.192E-15	1.181E-10	-2.280E+04	-9.263E-06	0.000E+00
307	3	34.50	1	1.933E-12	5.874E+02	5.055E-13	1.192E-15	1.093E-10	-1.013E+04	-1.262E-05	0.000E+00
307	4	51.75	1	1.933E-12	2.937E+02	5.055E-13	1.192E-15	1.006E-10	-2.533E+03	-9.618E-06	0.000E+00
307	5	69.00	1	1.933E-12	2.000E-10	5.055E-13	1.192E-15	9.190E-11	-6.205E-08	3.799E-13	0.000E+00
308	1	0.00	1	1.137E-11	1.175E+03	1.541E-13	-1.846E-16	-2.486E-08	-4.053E+04	0.000E+00	0.000E+00
308	2	17.25	1	1.137E-11	8.812E+02	1.541E-13	-1.846E-16	-2.486E-08	-2.280E+04	-9.263E-06	-2.954E-18
308	3	34.50	1	1.137E-11	5.874E+02	1.541E-13	-1.846E-16	-2.486E-08	-1.013E+04	-1.262E-05	-3.938E-18
308	4	51.75	1	1.137E-11	2.937E+02	1.541E-13	-1.846E-16	-2.487E-08	-2.533E+03	-9.618E-06	-2.954E-18
308	5	69.00	1	1.137E-11	1.113E-09	1.541E-13	-1.846E-16	-2.487E-08	2.077E-07	3.799E-13	-1.650E-25
309	1	0.00	1	-5.741E-12	-4.171E-11	2.063E-12	0.000E+00	-8.788E-11	5.875E-08	0.000E+00	0.000E+00
309	2	17.25	1	-5.741E-12	-2.937E+02	2.063E-12	0.000E+00	-1.235E-10	-2.533E+03	-9.618E-06	0.000E+00
309	3	34.50	1	-5.741E-12	-5.874E+02	2.063E-12	0.000E+00	-1.591E-10	-1.013E+04	-1.262E-05	0.000E+00
309	4	51.75	1	-5.741E-12	-8.812E+02	2.063E-12	0.000E+00	-1.947E-10	-2.280E+04	-9.263E-06	0.000E+00
309	5	69.00	1	-5.741E-12	-1.175E+03	2.063E-12	0.000E+00	-2.302E-10	-4.053E+04	7.484E-15	0.000E+00
310	1	0.00	1	-1.194E-12	1.947E-12	-1.237E-12	0.000E+00	-3.918E-10	4.525E-08	0.000E+00	0.000E+00
310	2	17.25	1	-1.194E-12	-2.937E+02	-1.237E-12	0.000E+00	-3.704E-10	-2.533E+03	-9.618E-06	0.000E+00
310	3	34.50	1	-1.194E-12	-5.874E+02	-1.237E-12	0.000E+00	-3.491E-10	-1.013E+04	-1.262E-05	0.000E+00
310	4	51.75	1	-1.194E-12	-8.812E+02	-1.237E-12	0.000E+00	-3.277E-10	-2.280E+04	-9.263E-06	0.000E+00
310	5	69.00	1	-1.194E-12	-1.175E+03	-1.237E-12	0.000E+00	-3.064E-10	-4.053E+04	7.487E-15	0.000E+00
311	1	0.00	1	-4.726E+01	4.277E+04	-2.487E+00	1.138E-01	-5.983E+01	-4.053E+04	0.000E+00	0.000E+00
311	2	45.25	1	-4.640E+01	4.200E+04	-2.487E+00	1.138E-01	5.270E+01	1.877E+06	-1.198E-03	1.060E-07
311	3	90.50	1	-4.555E+01	4.123E+04	-2.487E+00	1.138E-01	1.652E+02	3.760E+06	-1.898E-03	1.828E-07
311	4	135.75	1	-4.470E+01	4.045E+04	-2.487E+00	1.138E-01	2.777E+02	5.608E+06	-1.647E-03	1.682E-07
311	5	181.00	1	-4.385E+01	3.968E+04	-2.487E+00	1.138E-01	3.903E+02	7.421E+06	-3.586E-11	-7.962E-15
312	1	0.00	1	-4.726E+01	4.277E+04	2.487E+00	-1.138E-01	5.983E+01	-4.053E+04	0.000E+00	0.000E+00
312	2	45.25	1	-4.640E+01	4.200E+04	2.487E+00	-1.138E-01	-5.270E+01	1.877E+06	-1.198E-03	-1.060E-07
312	3	90.50	1	-4.555E+01	4.123E+04	2.487E+00	-1.138E-01	-1.652E+02	3.760E+06	-1.898E-03	-1.828E-07
312	4	135.75	1	-4.470E+01	4.045E+04	2.487E+00	-1.138E-01	-2.777E+02	5.608E+06	-1.647E-03	-1.682E-07
312	5	181.00	1	-4.385E+01	3.968E+04	2.487E+00	-1.138E-01	-3.903E+02	7.421E+06	-3.586E-11	7.975E-15
313	1	0.00	1	-3.174E+01	3.231E+04	7.684E-01	1.887E-02	3.405E+02	7.421E+06	0.000E+00	0.000E+00
313	2	127.25	1	-2.961E+01	3.014E+04	7.684E-01	1.887E-02	2.428E+02	1.139E+07	-3.994E-02	1.165E-06
313	3	254.50	1	-2.748E+01	2.797E+04	7.684E-01	1.887E-02	1.450E+02	1.509E+07	-5.786E-02	1.268E-06
313	4	381.75	1	-2.535E+01	2.581E+04	7.684E-01	1.887E-02	4.719E+01	1.851E+07	-4.672E-02	7.373E-07
313	5	509.00	1	-2.322E+01	2.364E+04	7.684E-01	1.887E-02	-5.059E+01	2.166E+07	-5.530E-10	-2.784E-13
314	1	0.00	1	-3.174E+01	3.231E+04	-7.684E-01	-1.887E-02	-3.405E+02	7.421E+06	0.000E+00	0.000E+00
314	2	127.25	1	-2.961E+01	3.014E+04	-7.684E-01	-1.887E-02	-2.428E+02	1.139E+07	-3.994E-02	-1.165E-06
314	3	254.50	1	-2.748E+01	2.797E+04	-7.684E-01	-1.887E-02	-1.450E+02	1.509E+07	-5.786E-02	-1.268E-06
314	4	381.75	1	-2.535E+01	2.581E+04	-7.684E-01	-1.887E-02	-4.719E+01	1.851E+07	-4.672E-02	-7.373E-07
314	5	509.00	1	-2.322E+01	2.364E+04	-7.684E-01	-1.887E-02	5.059E+01	2.166E+07	-5.529E-10	2.787E-13
315	1	0.00	1	-1.376E+01	1.404E+04	2.144E+00	9.416E-03	-1.110E+02	2.166E+07	0.000E+00	0.000E+00
315	2	127.50	1	-1.164E+01	1.187E+04	2.144E+00	9.416E-03	-3.845E+02	2.331E+07	-6.983E-02	-3.733E-06
315	3	255.00	1	-9.507E+00	9.698E+03	2.144E+00	9.416E-03	-6.579E+02	2.469E+07	-9.477E-02	-5.778E-06
315	4	382.50	1	-7.379E+00	7.527E+03	2.144E+00	9.416E-03	-9.313E+02	2.578E+07	-7.219E-02	-4.933E-06
315	5	510.00	1	-5.251E+00	5.356E+03	2.144E+00	9.416E-03	-1.205E+03	2.661E+07	-1.346E-09	-2.103E-13
316	1	0.00	1	-1.376E+01	1.404E+04	-2.144E+00	-9.416E-03	1.110E+02	2.166E+07	0.000E+00	0.000E+00
316	2	127.50	1	-1.164E+01	1.187E+04	-2.144E+00	-9.416E-03	3.845E+02	2.331E+07	-6.983E-02	3.733E-06
316	3	255.00	1	-9.507E+00	9.698E+03	-2.144E+00	-9.416E-03	6.579E+02	2.469E+07	-9.477E-02	5.778E-06
316	4	382.50	1	-7.379E+00	7.527E+03	-2.144E+00	-9.416E-03	9.313E+02	2.578E+07	-7.219E-02	4.933E-06
316	5	510.00	1	-5.251E+00	5.356E+03	-2.144E+00	-9.416E-03	1.205E+03	2.661E+07	-1.346E-09	2.105E-13
317	1	0.00	1	5.251E+00	-5.356E+03	-4.206E+01	-9.417E-03	-1.288E+03	2.661E+07	0.000E+00	0.000E+00

317	2	127.50	1	7.379E+00	-7.527E+03	-4.206E+01	-9.417E-03	4.076E+03	2.578E+07	-7.219E-02	5.039E-05
317	3	255.00	1	9.507E+00	-9.698E+03	-4.206E+01	-9.417E-03	9.439E+03	2.469E+07	-9.477E-02	8.289E-05
317	4	382.50	1	1.164E+01	-1.187E+04	-4.206E+01	-9.417E-03	1.480E+04	2.331E+07	-6.983E-02	7.394E-05
317	5	510.00	1	1.376E+01	-1.404E+04	-4.206E+01	-9.417E-03	2.017E+04	2.166E+07	2.451E-09	5.938E-13
318	1	0.00	1	5.251E+00	-5.356E+03	4.206E+01	9.417E-03	1.288E+03	2.661E+07	0.000E+00	0.000E+00
318	2	127.50	1	7.379E+00	-7.527E+03	4.206E+01	9.417E-03	-4.076E+03	2.578E+07	-7.219E-02	-5.039E-05
318	3	255.00	1	9.507E+00	-9.698E+03	4.206E+01	9.417E-03	-9.439E+03	2.469E+07	-9.477E-02	-8.289E-05
318	4	382.50	1	1.164E+01	-1.187E+04	4.206E+01	9.417E-03	-1.480E+04	2.331E+07	-6.983E-02	-7.394E-05
318	5	510.00	1	1.376E+01	-1.404E+04	4.206E+01	9.417E-03	-2.017E+04	2.166E+07	2.451E-09	-5.938E-13
319	1	0.00	1	2.322E+01	-2.364E+04	3.483E+02	-1.887E-02	2.031E+04	2.166E+07	0.000E+00	0.000E+00
319	2	127.25	1	2.535E+01	-2.581E+04	3.483E+02	-1.887E-02	-2.402E+04	1.851E+07	-4.672E-02	-3.514E-04
319	3	254.50	1	2.748E+01	-2.797E+04	3.483E+02	-1.887E-02	-6.834E+04	1.509E+07	-5.786E-02	-5.978E-04
319	4	381.75	1	2.961E+01	-3.014E+04	3.483E+02	-1.887E-02	-1.127E+05	1.139E+07	-3.994E-02	-5.453E-04
319	5	509.00	1	3.174E+01	-3.231E+04	3.483E+02	-1.887E-02	-1.570E+05	7.421E+06	-9.714E-09	-3.900E-12
320	1	0.00	1	2.322E+01	-2.364E+04	-3.483E+02	1.887E-02	-2.031E+04	2.166E+07	0.000E+00	0.000E+00
320	2	127.25	1	2.535E+01	-2.581E+04	-3.483E+02	1.887E-02	2.402E+04	1.851E+07	-4.672E-02	3.514E-04
320	3	254.50	1	2.748E+01	-2.797E+04	-3.483E+02	1.887E-02	6.834E+04	1.509E+07	-5.786E-02	5.978E-04
320	4	381.75	1	2.961E+01	-3.014E+04	-3.483E+02	1.887E-02	1.127E+05	1.139E+07	-3.994E-02	5.453E-04
320	5	509.00	1	3.174E+01	-3.231E+04	-3.483E+02	1.887E-02	1.570E+05	7.421E+06	-9.714E-09	3.900E-12
321	1	0.00	1	4.385E+01	-3.968E+04	-9.149E+02	-1.138E-01	-1.584E+05	7.421E+06	0.000E+00	0.000E+00
321	2	45.25	1	4.470E+01	-4.045E+04	-9.149E+02	-1.138E-01	-1.170E+05	5.608E+06	-1.647E-03	-7.420E-05
321	3	90.50	1	4.555E+01	-4.123E+04	-9.149E+02	-1.138E-01	-7.564E+04	3.760E+06	-1.898E-03	-8.367E-05
321	4	135.75	1	4.640E+01	-4.200E+04	-9.149E+02	-1.138E-01	-3.424E+04	1.877E+06	-1.198E-03	-5.130E-05
321	5	181.00	1	4.726E+01	-4.277E+04	-9.149E+02	-1.138E-01	7.164E+03	-4.053E+04	-6.289E-10	1.992E-11
322	1	0.00	1	4.385E+01	-3.968E+04	9.149E+02	1.138E-01	1.584E+05	7.421E+06	0.000E+00	0.000E+00
322	2	45.25	1	4.470E+01	-4.045E+04	9.149E+02	1.138E-01	1.170E+05	5.608E+06	-1.647E-03	7.420E-05
322	3	90.50	1	4.555E+01	-4.123E+04	9.149E+02	1.138E-01	7.564E+04	3.760E+06	-1.898E-03	8.367E-05
322	4	135.75	1	4.640E+01	-4.200E+04	9.149E+02	1.138E-01	3.424E+04	1.877E+06	-1.198E-03	5.130E-05
322	5	181.00	1	4.726E+01	-4.277E+04	9.149E+02	1.138E-01	-7.164E+03	-4.053E+04	-6.289E-10	-1.992E-11
323	1	0.00	1	-1.703E+00	1.175E+03	-1.357E-10	-2.346E-12	-1.281E-09	-4.053E+04	0.000E+00	0.000E+00
323	2	17.25	1	-1.277E+00	8.812E+02	-1.357E-10	-2.346E-12	1.060E-09	-2.280E+04	-9.263E-06	3.124E-19
323	3	34.50	1	-8.514E-01	5.874E+02	-1.357E-10	-2.346E-12	3.401E-09	-1.013E+04	-1.262E-05	5.280E-19
323	4	51.75	1	-4.257E-01	2.937E+02	-1.357E-10	-2.346E-12	5.742E-09	-2.533E+03	-9.618E-06	4.795E-19
323	5	69.00	1	6.093E-11	8.719E-11	-1.357E-10	-2.346E-12	8.084E-09	-8.964E-08	1.621E-13	-5.101E-26
324	1	0.00	1	-1.703E+00	1.175E+03	7.233E-11	2.276E-11	-1.432E-09	-4.053E+04	0.000E+00	0.000E+00
324	2	17.25	1	-1.277E+00	8.812E+02	7.233E-11	2.276E-11	-2.679E-09	-2.280E+04	-9.263E-06	-3.983E-19
324	3	34.50	1	-8.514E-01	5.874E+02	7.233E-11	2.276E-11	-3.927E-09	-1.013E+04	-1.262E-05	-5.868E-19
324	4	51.75	1	-4.257E-01	2.937E+02	7.233E-11	2.276E-11	-5.174E-09	-2.533E+03	-9.618E-06	-4.819E-19
324	5	69.00	1	8.641E-11	-1.456E-10	7.233E-11	2.276E-11	-6.422E-09	8.149E-08	1.621E-13	1.425E-26
325	1	0.00	1	1.999E-12	2.013E-11	6.395E-13	6.811E-16	4.457E-11	2.565E-08	0.000E+00	0.000E+00
325	2	17.25	1	4.257E-01	-2.937E+02	6.395E-13	6.811E-16	3.353E-11	-2.533E+03	-9.618E-06	0.000E+00
325	3	34.50	1	8.514E-01	-5.874E+02	6.395E-13	6.811E-16	2.250E-11	-1.013E+04	-1.262E-05	0.000E+00
325	4	51.75	1	1.277E+00	-8.812E+02	6.395E-13	6.811E-16	1.147E-11	-2.280E+04	-9.263E-06	0.000E+00
325	5	69.00	1	1.703E+00	-1.175E+03	6.395E-13	6.811E-16	4.405E-13	-4.053E+04	-1.369E-14	0.000E+00
326	1	0.00	1	2.766E-12	-1.490E-10	-3.475E-12	8.060E-16	-5.184E-11	1.308E-08	0.000E+00	0.000E+00
326	2	17.25	1	4.257E-01	-2.937E+02	-3.475E-12	8.060E-16	8.095E-12	-2.533E+03	-9.618E-06	0.000E+00
326	3	34.50	1	8.514E-01	-5.874E+02	-3.475E-12	8.060E-16	6.803E-11	-1.013E+04	-1.262E-05	0.000E+00
326	4	51.75	1	1.277E+00	-8.812E+02	-3.475E-12	8.060E-16	1.280E-10	-2.280E+04	-9.263E-06	0.000E+00
326	5	69.00	1	1.703E+00	-1.175E+03	-3.475E-12	8.060E-16	1.879E-10	-4.053E+04	-1.369E-14	0.000E+00
327	1	0.00	1	-4.726E+01	4.277E+04	9.293E+02	1.138E-01	7.193E+03	-4.053E+04	0.000E+00	0.000E+00
327	2	45.25	1	-4.640E+01	4.200E+04	9.293E+02	1.138E-01	-3.486E+04	1.877E+06	-1.198E-03	-5.218E-05
327	3	90.50	1	-4.555E+01	4.123E+04	9.293E+02	1.138E-01	-7.691E+04	3.760E+06	-1.898E-03	-8.507E-05
327	4	135.75	1	-4.470E+01	4.045E+04	9.293E+02	1.138E-01	-1.190E+05	5.608E+06	-1.647E-03	-7.543E-05
327	5	181.00	1	-4.385E+01	3.968E+04	9.293E+02	1.138E-01	-1.610E+05	7.421E+06	-1.187E-10	-1.007E-12
328	1	0.00	1	-4.726E+01	4.277E+04	-9.293E+02	-1.138E-01	-7.193E+03	-4.053E+04	0.000E+00	0.000E+00
328	2	45.25	1	-4.640E+01	4.200E+04	-9.293E+02	-1.138E-01	3.486E+04	1.877E+06	-1.198E-03	5.218E-05
328	3	90.50	1	-4.555E+01	4.123E+04	-9.293E+02	-1.138E-01	7.691E+04	3.760E+06	-1.898E-03	8.507E-05
328	4	135.75	1	-4.470E+01	4.045E+04	-9.293E+02	-1.138E-01	1.190E+05	5.608E+06	-1.647E-03	7.543E-05
328	5	181.00	1	-4.385E+01	3.968E+04	-9.293E+02	-1.138E-01	1.610E+05	7.421E+06	-1.187E-10	1.008E-12
329	1	0.00	1	-3.174E+01	3.231E+04	-3.543E+02	1.887E-02	-1.596E+05	7.421E+06	0.000E+00	0.000E+00
329	2	127.25	1	-2.961E+01	3.014E+04	-3.543E+02	1.887E-02	-1.145E+05	1.139E+07	-3.994E-02	-5.543E-04
329	3	254.50	1	-2.748E+01	2.797E+04	-3.543E+02	1.887E-02	-6.946E+04	1.509E+07	-5.786E-02	-6.076E-04

329	4	381.75	1	-2.535E+01	2.581E+04	-3.543E+02	1.887E-02	-2.437E+04	1.851E+07	-4.672E-02	-3.571E-04
329	5	509.00	1	-2.322E+01	2.364E+04	-3.543E+02	1.887E-02	2.072E+04	2.166E+07	-1.046E-09	-7.137E-11
330	1	0.00	1	-3.174E+01	3.231E+04	3.543E+02	-1.887E-02	1.596E+05	7.421E+06	0.000E+00	0.000E+00
330	2	127.25	1	-2.961E+01	3.014E+04	3.543E+02	-1.887E-02	1.145E+05	1.139E+07	-3.994E-02	5.543E-04
330	3	254.50	1	-2.748E+01	2.797E+04	3.543E+02	-1.887E-02	6.946E+04	1.509E+07	-5.786E-02	6.076E-04
330	4	381.75	1	-2.535E+01	2.581E+04	3.543E+02	-1.887E-02	2.437E+04	1.851E+07	-4.672E-02	3.571E-04
330	5	509.00	1	-2.322E+01	2.364E+04	3.543E+02	-1.887E-02	-2.072E+04	2.166E+07	-1.046E-09	7.137E-11
331	1	0.00	1	-1.376E+01	1.404E+04	4.254E+01	9.416E-03	2.045E+04	2.166E+07	0.000E+00	0.000E+00
331	2	127.50	1	-1.164E+01	1.187E+04	4.254E+01	9.416E-03	1.503E+04	2.331E+07	-6.983E-02	7.516E-05
331	3	255.00	1	-9.507E+00	9.698E+03	4.254E+01	9.416E-03	9.602E+03	2.469E+07	-9.477E-02	8.433E-05
331	4	382.50	1	-7.379E+00	7.527E+03	4.254E+01	9.416E-03	4.178E+03	2.578E+07	-7.219E-02	5.134E-05
331	5	510.00	1	-5.251E+00	5.356E+03	4.254E+01	9.416E-03	-1.246E+03	2.661E+07	-1.170E-09	-1.477E-12
332	1	0.00	1	-1.376E+01	1.404E+04	-4.254E+01	-9.416E-03	-2.045E+04	2.166E+07	0.000E+00	0.000E+00
332	2	127.50	1	-1.164E+01	1.187E+04	-4.254E+01	-9.416E-03	-1.503E+04	2.331E+07	-6.983E-02	-7.516E-05
332	3	255.00	1	-9.507E+00	9.698E+03	-4.254E+01	-9.416E-03	-9.602E+03	2.469E+07	-9.477E-02	-8.433E-05
332	4	382.50	1	-7.379E+00	7.527E+03	-4.254E+01	-9.416E-03	-4.178E+03	2.578E+07	-7.219E-02	-5.134E-05
332	5	510.00	1	-5.251E+00	5.356E+03	-4.254E+01	-9.416E-03	1.246E+03	2.661E+07	-1.170E-09	1.478E-12
333	1	0.00	1	5.251E+00	-5.356E+03	-2.593E+00	-9.416E-03	-1.298E+03	2.661E+07	0.000E+00	0.000E+00
333	2	127.50	1	7.379E+00	-7.527E+03	-2.593E+00	-9.416E-03	-9.679E+02	2.578E+07	-7.219E-02	-4.923E-06
333	3	255.00	1	9.507E+00	-9.698E+03	-2.593E+00	-9.416E-03	-6.373E+02	2.469E+07	-9.477E-02	-5.597E-06
333	4	382.50	1	1.164E+01	-1.187E+04	-2.593E+00	-9.416E-03	-3.067E+02	2.331E+07	-6.983E-02	-3.472E-06
333	5	510.00	1	1.376E+01	-1.404E+04	-2.593E+00	-9.416E-03	2.387E+01	2.166E+07	2.367E-09	4.823E-13
334	1	0.00	1	5.251E+00	-5.356E+03	2.593E+00	9.416E-03	1.298E+03	2.661E+07	0.000E+00	0.000E+00
334	2	127.50	1	7.379E+00	-7.527E+03	2.593E+00	9.416E-03	9.679E+02	2.578E+07	-7.219E-02	4.923E-06
334	3	255.00	1	9.507E+00	-9.698E+03	2.593E+00	9.416E-03	6.373E+02	2.469E+07	-9.477E-02	5.597E-06
334	4	382.50	1	1.164E+01	-1.187E+04	2.593E+00	9.416E-03	3.067E+02	2.331E+07	-6.983E-02	3.472E-06
334	5	510.00	1	1.376E+01	-1.404E+04	2.593E+00	9.416E-03	-2.387E+01	2.166E+07	2.367E-09	-4.823E-13
335	1	0.00	1	2.322E+01	-2.364E+04	5.137E-01	-1.887E-02	-3.643E+01	2.166E+07	0.000E+00	0.000E+00
335	2	127.25	1	2.535E+01	-2.581E+04	5.137E-01	-1.887E-02	-1.018E+02	1.851E+07	-4.672E-02	-9.538E-07
335	3	254.50	1	2.748E+01	-2.797E+04	5.137E-01	-1.887E-02	-1.672E+02	1.509E+07	-5.786E-02	-1.462E-06
335	4	381.75	1	2.961E+01	-3.014E+04	5.137E-01	-1.887E-02	-2.325E+02	1.139E+07	-3.994E-02	-1.240E-06
335	5	509.00	1	3.174E+01	-3.231E+04	5.137E-01	-1.887E-02	-2.979E+02	7.421E+06	-1.006E-08	1.761E-13
336	1	0.00	1	2.322E+01	-2.364E+04	-5.137E-01	1.887E-02	3.643E+01	2.166E+07	0.000E+00	0.000E+00
336	2	127.25	1	2.535E+01	-2.581E+04	-5.137E-01	1.887E-02	1.018E+02	1.851E+07	-4.672E-02	9.538E-07
336	3	254.50	1	2.748E+01	-2.797E+04	-5.137E-01	1.887E-02	1.672E+02	1.509E+07	-5.786E-02	1.462E-06
336	4	381.75	1	2.961E+01	-3.014E+04	-5.137E-01	1.887E-02	2.325E+02	1.139E+07	-3.994E-02	1.240E-06
336	5	509.00	1	3.174E+01	-3.231E+04	-5.137E-01	1.887E-02	2.979E+02	7.421E+06	-1.006E-08	-1.762E-13
337	1	0.00	1	4.385E+01	-3.968E+04	-2.257E+00	-1.138E-01	-3.480E+02	7.421E+06	0.000E+00	0.000E+00
337	2	45.25	1	4.470E+01	-4.045E+04	-2.257E+00	-1.138E-01	-2.459E+02	5.608E+06	-1.647E-03	-1.475E-07
337	3	90.50	1	4.555E+01	-4.123E+04	-2.257E+00	-1.138E-01	-1.438E+02	3.760E+06	-1.898E-03	-1.590E-07
337	4	135.75	1	4.640E+01	-4.200E+04	-2.257E+00	-1.138E-01	-4.166E+01	1.877E+06	-1.198E-03	-9.103E-08
337	5	181.00	1	4.726E+01	-4.277E+04	-2.257E+00	-1.138E-01	6.046E+01	-4.053E+04	-2.864E-10	-1.211E-14
338	1	0.00	1	4.385E+01	-3.968E+04	2.257E+00	1.138E-01	3.480E+02	7.421E+06	0.000E+00	0.000E+00
338	2	45.25	1	4.470E+01	-4.045E+04	2.257E+00	1.138E-01	2.459E+02	5.608E+06	-1.647E-03	1.475E-07
338	3	90.50	1	4.555E+01	-4.123E+04	2.257E+00	1.138E-01	1.438E+02	3.760E+06	-1.898E-03	1.590E-07
338	4	135.75	1	4.640E+01	-4.200E+04	2.257E+00	1.138E-01	4.166E+01	1.877E+06	-1.198E-03	9.103E-08
338	5	181.00	1	4.726E+01	-4.277E+04	2.257E+00	1.138E-01	-6.046E+01	-4.053E+04	-2.864E-10	1.209E-14
339	1	0.00	1	-1.933E-12	1.175E+03	-5.905E-12	3.538E-16	-2.086E-10	-4.053E+04	0.000E+00	0.000E+00
339	2	17.25	1	-1.933E-12	8.812E+02	-5.905E-12	3.538E-16	-1.068E-10	-2.280E+04	-9.263E-06	0.000E+00
339	3	34.50	1	-1.933E-12	5.874E+02	-5.905E-12	3.538E-16	-4.906E-12	-1.013E+04	-1.262E-05	0.000E+00
339	4	51.75	1	-1.933E-12	2.937E+02	-5.905E-12	3.538E-16	9.695E-11	-2.533E+03	-9.618E-06	0.000E+00
339	5	69.00	1	-1.933E-12	-8.005E-10	-5.905E-12	3.538E-16	1.988E-10	-4.633E-08	3.799E-13	0.000E+00
340	1	0.00	1	-2.842E-13	1.175E+03	-1.344E-11	1.569E-15	-8.537E-10	-4.053E+04	0.000E+00	0.000E+00
340	2	17.25	1	-2.842E-13	8.812E+02	-1.344E-11	1.569E-15	-6.219E-10	-2.280E+04	-9.263E-06	0.000E+00
340	3	34.50	1	-2.842E-13	5.874E+02	-1.344E-11	1.569E-15	-3.902E-10	-1.013E+04	-1.262E-05	0.000E+00
340	4	51.75	1	-2.842E-13	2.937E+02	-1.344E-11	1.569E-15	-1.584E-10	-2.533E+03	-9.618E-06	0.000E+00
340	5	69.00	1	-2.842E-13	6.674E-10	-1.344E-11	1.569E-15	7.337E-11	6.800E-08	3.799E-13	0.000E+00
341	1	0.00	1	-1.182E-10	5.834E-11	9.326E-15	0.000E+00	-2.842E-13	7.319E-08	0.000E+00	0.000E+00
341	2	17.25	1	-1.182E-10	-2.937E+02	9.326E-15	0.000E+00	-4.451E-13	-2.533E+03	-9.618E-06	0.000E+00
341	3	34.50	1	-1.182E-10	-5.874E+02	9.326E-15	0.000E+00	-6.060E-13	-1.013E+04	-1.262E-05	0.000E+00
341	4	51.75	1	-1.182E-10	-8.812E+02	9.326E-15	0.000E+00	-7.668E-13	-2.280E+04	-9.263E-06	0.000E+00
341	5	69.00	1	-1.182E-10	-1.175E+03	9.326E-15	0.000E+00	-9.277E-13	-4.053E+04	7.483E-15	0.000E+00

342	1	0.00	1	-6.730E-11	1.875E-10	-7.105E-15	0.000E+00	2.842E-13	7.319E-08	0.000E+00	0.000E+00
342	2	17.25	1	-6.730E-11	-2.937E+02	-7.105E-15	0.000E+00	4.068E-13	-2.533E+03	-9.618E-06	0.000E+00
342	3	34.50	1	-6.730E-11	-5.874E+02	-7.105E-15	0.000E+00	5.294E-13	-1.013E+04	-1.262E-05	0.000E+00
342	4	51.75	1	-6.730E-11	-8.812E+02	-7.105E-15	0.000E+00	6.519E-13	-2.280E+04	-9.263E-06	0.000E+00
342	5	69.00	1	-6.730E-11	-1.175E+03	-7.105E-15	0.000E+00	7.745E-13	-4.053E+04	7.475E-15	0.000E+00
343	1	0.00	1	-4.726E+01	4.277E+04	-2.372E+00	1.138E-01	-6.014E+01	-4.053E+04	0.000E+00	0.000E+00
343	2	45.25	1	-4.640E+01	4.200E+04	-2.372E+00	1.138E-01	4.720E+01	1.877E+06	-1.198E-03	9.852E-08
343	3	90.50	1	-4.555E+01	4.123E+04	-2.372E+00	1.138E-01	1.545E+02	3.760E+06	-1.898E-03	1.709E-07
343	4	135.75	1	-4.470E+01	4.045E+04	-2.372E+00	1.138E-01	2.619E+02	5.608E+06	-1.647E-03	1.579E-07
343	5	181.00	1	-4.385E+01	3.968E+04	-2.372E+00	1.138E-01	3.692E+02	7.421E+06	-3.586E-11	-4.887E-15
344	1	0.00	1	-4.726E+01	4.277E+04	2.372E+00	-1.138E-01	6.014E+01	-4.053E+04	0.000E+00	0.000E+00
344	2	45.25	1	-4.640E+01	4.200E+04	2.372E+00	-1.138E-01	-4.720E+01	1.877E+06	-1.198E-03	-9.852E-08
344	3	90.50	1	-4.555E+01	4.123E+04	2.372E+00	-1.138E-01	-1.545E+02	3.760E+06	-1.898E-03	-1.709E-07
344	4	135.75	1	-4.470E+01	4.045E+04	2.372E+00	-1.138E-01	-2.619E+02	5.608E+06	-1.647E-03	-1.579E-07
344	5	181.00	1	-4.385E+01	3.968E+04	2.372E+00	-1.138E-01	-3.692E+02	7.421E+06	-3.586E-11	4.894E-15
345	1	0.00	1	-3.174E+01	3.231E+04	6.416E-01	1.887E-02	3.193E+02	7.421E+06	0.000E+00	0.000E+00
345	2	127.25	1	-2.961E+01	3.014E+04	6.416E-01	1.887E-02	2.377E+02	1.139E+07	-3.994E-02	1.202E-06
345	3	254.50	1	-2.748E+01	2.797E+04	6.416E-01	1.887E-02	1.560E+02	1.509E+07	-5.786E-02	1.365E-06
345	4	381.75	1	-2.535E+01	2.581E+04	6.416E-01	1.887E-02	7.438E+01	1.851E+07	-4.672E-02	8.451E-07
345	5	509.00	1	-2.322E+01	2.364E+04	6.416E-01	1.887E-02	-7.262E+00	2.166E+07	-5.530E-10	-1.148E-13
346	1	0.00	1	-3.174E+01	3.231E+04	-6.416E-01	-1.887E-02	-3.193E+02	7.421E+06	0.000E+00	0.000E+00
346	2	127.25	1	-2.961E+01	3.014E+04	-6.416E-01	-1.887E-02	-2.377E+02	1.139E+07	-3.994E-02	-1.202E-06
346	3	254.50	1	-2.748E+01	2.797E+04	-6.416E-01	-1.887E-02	-1.560E+02	1.509E+07	-5.786E-02	-1.365E-06
346	4	381.75	1	-2.535E+01	2.581E+04	-6.416E-01	-1.887E-02	-7.438E+01	1.851E+07	-4.672E-02	-8.451E-07
346	5	509.00	1	-2.322E+01	2.364E+04	-6.416E-01	-1.887E-02	7.262E+00	2.166E+07	-5.529E-10	1.149E-13
347	1	0.00	1	-1.376E+01	1.404E+04	-2.146E-01	9.416E-03	-6.763E+01	2.166E+07	0.000E+00	0.000E+00
347	2	127.50	1	-1.164E+01	1.187E+04	-2.146E-01	9.416E-03	-4.028E+01	2.331E+07	-6.983E-02	-1.452E-07
347	3	255.00	1	-9.507E+00	9.698E+03	-2.146E-01	9.416E-03	-1.292E+01	2.469E+07	-9.477E-02	-1.135E-07
347	4	382.50	1	-7.379E+00	7.527E+03	-2.146E-01	9.416E-03	1.443E+01	2.578E+07	-7.219E-02	-2.506E-08
347	5	510.00	1	-5.251E+00	5.356E+03	-2.146E-01	9.416E-03	4.179E+01	2.661E+07	-1.346E-09	5.023E-14
348	1	0.00	1	-1.376E+01	1.404E+04	2.146E-01	-9.416E-03	6.763E+01	2.166E+07	0.000E+00	0.000E+00
348	2	127.50	1	-1.164E+01	1.187E+04	2.146E-01	-9.416E-03	4.028E+01	2.331E+07	-6.983E-02	1.452E-07
348	3	255.00	1	-9.507E+00	9.698E+03	2.146E-01	-9.416E-03	1.292E+01	2.469E+07	-9.477E-02	1.135E-07
348	4	382.50	1	-7.379E+00	7.527E+03	2.146E-01	-9.416E-03	-1.443E+01	2.578E+07	-7.219E-02	2.506E-08
348	5	510.00	1	-5.251E+00	5.356E+03	2.146E-01	-9.416E-03	-4.179E+01	2.661E+07	-1.346E-09	-5.017E-14
349	1	0.00	1	5.251E+00	-5.356E+03	6.657E-02	-9.416E-03	-2.594E+01	2.661E+07	0.000E+00	0.000E+00
349	2	127.50	1	7.379E+00	-7.527E+03	6.657E-02	-9.416E-03	-3.443E+01	2.578E+07	-7.219E-02	-2.640E-07
349	3	255.00	1	9.507E+00	-9.698E+03	6.657E-02	-9.416E-03	-4.291E+01	2.469E+07	-9.477E-02	-3.769E-07
349	4	382.50	1	1.164E+01	-1.187E+04	6.657E-02	-9.416E-03	-5.140E+01	2.331E+07	-6.983E-02	-3.013E-07
349	5	510.00	1	1.376E+01	-1.404E+04	6.657E-02	-9.416E-03	-5.989E+01	2.166E+07	2.451E-09	-9.103E-14
350	1	0.00	1	5.251E+00	-5.356E+03	-6.657E-02	9.416E-03	2.594E+01	2.661E+07	0.000E+00	0.000E+00
350	2	127.50	1	7.379E+00	-7.527E+03	-6.657E-02	9.416E-03	3.443E+01	2.578E+07	-7.219E-02	2.640E-07
350	3	255.00	1	9.507E+00	-9.698E+03	-6.657E-02	9.416E-03	4.291E+01	2.469E+07	-9.477E-02	3.769E-07
350	4	382.50	1	1.164E+01	-1.187E+04	-6.657E-02	9.416E-03	5.140E+01	2.331E+07	-6.983E-02	3.013E-07
350	5	510.00	1	1.376E+01	-1.404E+04	-6.657E-02	9.416E-03	5.989E+01	2.166E+07	2.451E-09	9.110E-14
351	1	0.00	1	2.322E+01	-2.364E+04	-1.569E+00	-1.887E-02	-1.216E+02	2.166E+07	0.000E+00	0.000E+00
351	2	127.25	1	2.535E+01	-2.581E+04	-1.569E+00	-1.887E-02	7.803E+01	1.851E+07	-4.672E-02	1.385E-06
351	3	254.50	1	2.748E+01	-2.797E+04	-1.569E+00	-1.887E-02	2.776E+02	1.509E+07	-5.786E-02	2.429E-06
351	4	381.75	1	2.961E+01	-3.014E+04	-1.569E+00	-1.887E-02	4.772E+02	1.139E+07	-3.994E-02	2.258E-06
351	5	509.00	1	3.174E+01	-3.231E+04	-1.569E+00	-1.887E-02	6.768E+02	7.421E+06	-9.714E-09	7.873E-14
352	1	0.00	1	2.322E+01	-2.364E+04	1.569E+00	1.887E-02	1.216E+02	2.166E+07	0.000E+00	0.000E+00
352	2	127.25	1	2.535E+01	-2.581E+04	1.569E+00	1.887E-02	-7.803E+01	1.851E+07	-4.672E-02	-1.385E-06
352	3	254.50	1	2.748E+01	-2.797E+04	1.569E+00	1.887E-02	-2.776E+02	1.509E+07	-5.786E-02	-2.429E-06
352	4	381.75	1	2.961E+01	-3.014E+04	1.569E+00	1.887E-02	-4.772E+02	1.139E+07	-3.994E-02	-2.258E-06
352	5	509.00	1	3.174E+01	-3.231E+04	1.569E+00	1.887E-02	-6.768E+02	7.421E+06	-9.714E-09	-7.867E-14
353	1	0.00	1	4.385E+01	-3.968E+04	3.430E+00	-1.138E-01	6.358E+02	7.421E+06	0.000E+00	0.000E+00
353	2	45.25	1	4.470E+01	-4.045E+04	3.430E+00	-1.138E-01	4.806E+02	5.608E+06	-1.647E-03	3.129E-07
353	3	90.50	1	4.555E+01	-4.123E+04	3.430E+00	-1.138E-01	3.254E+02	3.760E+06	-1.898E-03	3.599E-07
353	4	135.75	1	4.640E+01	-4.200E+04	3.430E+00	-1.138E-01	1.702E+02	1.877E+06	-1.198E-03	2.270E-07
353	5	181.00	1	4.726E+01	-4.277E+04	3.430E+00	-1.138E-01	1.496E+01	-4.053E+04	-6.289E-10	7.214E-14
354	1	0.00	1	4.385E+01	-3.968E+04	-3.430E+00	1.138E-01	-6.358E+02	7.421E+06	0.000E+00	0.000E+00
354	2	45.25	1	4.470E+01	-4.045E+04	-3.430E+00	1.138E-01	-4.806E+02	5.608E+06	-1.647E-03	-3.129E-07

354	3	90.50	1	4.555E+01	-4.123E+04	-3.430E+00	1.138E-01	-3.254E+02	3.760E+06	-1.898E-03	-3.599E-07
354	4	135.75	1	4.640E+01	-4.200E+04	-3.430E+00	1.138E-01	-1.702E+02	1.877E+06	-1.198E-03	-2.270E-07
354	5	181.00	1	4.726E+01	-4.277E+04	-3.430E+00	1.138E-01	-1.496E+01	-4.053E+04	-6.289E-10	-7.213E-14
355	1	0.00	1	-1.703E+00	1.175E+03	1.728E-11	-6.269E-14	3.512E-10	-4.053E+04	0.000E+00	0.000E+00
355	2	17.25	1	-1.277E+00	8.812E+02	1.728E-11	-6.269E-14	5.307E-11	-2.280E+04	-9.263E-06	0.000E+00
355	3	34.50	1	-8.514E-01	5.874E+02	1.728E-11	-6.269E-14	-2.451E-10	-1.013E+04	-1.262E-05	0.000E+00
355	4	51.75	1	-4.257E-01	2.937E+02	1.728E-11	-6.269E-14	-5.432E-10	-2.533E+03	-9.618E-06	0.000E+00
355	5	69.00	1	2.193E-10	4.765E-10	1.728E-11	-6.269E-14	-8.413E-10	-3.644E-09	1.621E-13	0.000E+00
356	1	0.00	1	-1.703E+00	1.175E+03	-6.283E-12	8.908E-13	-7.844E-10	-4.053E+04	0.000E+00	0.000E+00
356	2	17.25	1	-1.277E+00	8.812E+02	-6.283E-12	8.908E-13	-6.760E-10	-2.280E+04	-9.263E-06	0.000E+00
356	3	34.50	1	-8.514E-01	5.874E+02	-6.283E-12	8.908E-13	-5.677E-10	-1.013E+04	-1.262E-05	0.000E+00
356	4	51.75	1	-4.257E-01	2.937E+02	-6.283E-12	8.908E-13	-4.593E-10	-2.533E+03	-9.618E-06	0.000E+00
356	5	69.00	1	-1.878E-10	4.128E-10	-6.283E-12	8.908E-13	-3.509E-10	3.760E-08	1.621E-13	0.000E+00
501	1	0.00	1	-7.154E+01	2.633E+03	-3.841E-12	-4.098E-08	-1.062E+02	-3.547E-03	0.000E+00	0.000E+00
501	2	76.10	1	-7.154E+01	1.317E+03	-3.841E-12	-4.098E-08	-1.062E+02	1.503E+05	-7.352E-03	-1.011E-05
501	3	152.20	1	-7.154E+01	-7.874E-12	-3.841E-12	-4.098E-08	-1.062E+02	2.004E+05	-1.027E-02	-1.349E-05
501	4	228.30	1	-7.154E+01	-1.317E+03	-3.841E-12	-4.098E-08	-1.062E+02	1.503E+05	-7.352E-03	-1.011E-05
501	5	304.40	1	-7.154E+01	-2.633E+03	-3.841E-12	-4.098E-08	-1.062E+02	-3.547E-03	-9.325E-10	-3.045E-12
502	1	0.00	1	-2.374E+00	2.633E+03	-5.597E-12	-3.595E-08	-6.014E-01	4.733E-02	0.000E+00	0.000E+00
502	2	76.10	1	-2.374E+00	1.317E+03	-5.597E-12	-3.595E-08	-6.014E+01	1.503E+05	-7.352E-03	-5.728E-06
502	3	152.20	1	-2.374E+00	-1.516E-11	-5.597E-12	-3.595E-08	-6.014E+01	2.004E+05	-1.027E-02	-7.637E-06
502	4	228.30	1	-2.374E+00	-1.317E+03	-5.597E-12	-3.595E-08	-6.014E+01	1.503E+05	-7.352E-03	-5.728E-06
502	5	304.40	1	-2.374E+00	-2.633E+03	-5.597E-12	-3.595E-08	-6.014E+01	4.733E-02	2.065E-10	1.367E-12
503	1	0.00	1	2.487E+00	2.633E+03	3.607E-12	1.973E-07	-5.983E+01	4.767E-02	0.000E+00	0.000E+00
503	2	76.10	1	2.487E+00	1.317E+03	3.607E-12	1.973E-07	-5.983E+01	1.503E+05	-7.352E-03	-5.699E-06
503	3	152.20	1	2.487E+00	-8.141E-12	3.607E-12	1.973E-07	-5.983E+01	2.004E+05	-1.027E-02	-7.598E-06
503	4	228.30	1	2.487E+00	-1.317E+03	3.607E-12	1.973E-07	-5.983E+01	1.503E+05	-7.352E-03	-5.699E-06
503	5	304.40	1	2.487E+00	-2.633E+03	3.607E-12	1.973E-07	-5.983E+01	4.767E-02	1.372E-10	-2.081E-12
504	1	0.00	1	1.140E+04	2.633E+03	9.557E-12	1.910E-07	-7.164E+03	-7.803E+00	0.000E+00	0.000E+00
504	2	76.10	1	1.140E+04	1.317E+03	9.557E-12	1.910E-07	-7.164E+03	1.503E+05	-7.352E-03	-6.824E-04
504	3	152.20	1	1.140E+04	-3.741E-12	9.557E-12	1.910E-07	-7.164E+03	2.004E+05	-1.027E-02	-9.099E-04
504	4	228.30	1	1.140E+04	-1.317E+03	9.557E-12	1.910E-07	-7.164E+03	1.503E+05	-7.352E-03	-6.824E-04
504	5	304.40	1	1.140E+04	-2.633E+03	9.557E-12	1.910E-07	-7.164E+03	-7.803E+00	1.460E-10	-3.375E-10
505	1	0.00	1	1.165E+04	2.633E+03	-2.768E-11	-1.509E-07	7.193E+03	8.062E+00	0.000E+00	0.000E+00
505	2	76.10	1	1.165E+04	1.317E+03	-2.768E-11	-1.509E-07	7.193E+03	1.503E+05	-7.353E-03	6.851E-04
505	3	152.20	1	1.165E+04	-4.665E-12	-2.768E-11	-1.509E-07	7.193E+03	2.004E+05	-1.027E-02	9.135E-04
505	4	228.30	1	1.165E+04	-1.317E+03	-2.768E-11	-1.509E-07	7.193E+03	1.503E+05	-7.353E-03	6.851E-04
505	5	304.40	1	1.165E+04	-2.633E+03	-2.768E-11	-1.509E-07	7.193E+03	8.062E+00	-1.244E-09	-1.017E-10
506	1	0.00	1	-2.257E+00	2.633E+03	-6.642E-11	-1.696E-07	-6.046E+01	4.698E-02	0.000E+00	0.000E+00
506	2	76.10	1	-2.257E+00	1.317E+03	-6.642E-11	-1.696E-07	-6.046E+01	1.503E+05	-7.352E-03	-5.758E-06
506	3	152.20	1	-2.257E+00	-3.653E-12	-6.642E-11	-1.696E-07	-6.046E+01	2.004E+05	-1.027E-02	-7.678E-06
506	4	228.30	1	-2.257E+00	-1.317E+03	-6.642E-11	-1.696E-07	-6.046E+01	1.503E+05	-7.352E-03	-5.758E-06
506	5	304.40	1	-2.257E+00	-2.633E+03	-6.642E-11	-1.696E-07	-6.046E+01	4.698E-02	2.749E-10	-3.495E-13
507	1	0.00	1	2.487E+00	2.633E+03	-1.121E-11	1.153E-07	-5.983E+01	4.767E-02	0.000E+00	0.000E+00
507	2	76.10	1	2.487E+00	1.317E+03	-1.121E-11	1.153E-07	-5.983E+01	1.503E+05	-7.352E-03	-5.699E-06
507	3	152.20	1	2.487E+00	5.637E-12	-1.121E-11	1.153E-07	-5.983E+01	2.004E+05	-1.027E-02	-7.598E-06
507	4	228.30	1	2.487E+00	-1.317E+03	-1.121E-11	1.153E-07	-5.983E+01	1.503E+05	-7.352E-03	-5.699E-06
507	5	304.40	1	2.487E+00	-2.633E+03	-1.121E-11	1.153E-07	-5.983E+01	4.767E-02	1.372E-10	-2.081E-12
508	1	0.00	1	1.140E+04	2.633E+03	-1.480E-11	8.972E-08	-7.164E+03	-7.803E+00	0.000E+00	0.000E+00
508	2	76.10	1	1.140E+04	1.317E+03	-1.480E-11	8.972E-08	-7.164E+03	1.503E+05	-7.352E-03	-6.824E-04
508	3	152.20	1	1.140E+04	-2.516E-12	-1.480E-11	8.972E-08	-7.164E+03	2.004E+05	-1.027E-02	-9.099E-04
508	4	228.30	1	1.140E+04	-1.317E+03	-1.480E-11	8.972E-08	-7.164E+03	1.503E+05	-7.352E-03	-6.824E-04
508	5	304.40	1	1.140E+04	-2.633E+03	-1.480E-11	8.972E-08	-7.164E+03	-7.803E+00	1.460E-10	-3.375E-10
509	1	0.00	1	1.165E+04	2.633E+03	1.469E-11	-9.173E-08	7.193E+03	8.062E+00	0.000E+00	0.000E+00
509	2	76.10	1	1.165E+04	1.317E+03	1.469E-11	-9.173E-08	7.193E+03	1.503E+05	-7.353E-03	6.851E-04
509	3	152.20	1	1.165E+04	-4.928E-12	1.469E-11	-9.173E-08	7.193E+03	2.004E+05	-1.027E-02	9.135E-04
509	4	228.30	1	1.165E+04	-1.317E+03	1.469E-11	-9.173E-08	7.193E+03	1.503E+05	-7.353E-03	6.851E-04
509	5	304.40	1	1.165E+04	-2.633E+03	1.469E-11	-9.173E-08	7.193E+03	8.062E+00	-1.244E-09	-1.017E-10
510	1	0.00	1	-2.257E+00	2.633E+03	5.699E-12	-9.042E-08	-6.046E+01	4.698E-02	0.000E+00	0.000E+00
510	2	76.10	1	-2.257E+00	1.317E+03	5.699E-12	-9.042E-08	-6.046E+01	1.503E+05	-7.352E-03	-5.758E-06
510	3	152.20	1	-2.257E+00	-4.731E-12	5.699E-12	-9.042E-08	-6.046E+01	2.004E+05	-1.027E-02	-7.678E-06
510	4	228.30	1	-2.257E+00	-1.317E+03	5.699E-12	-9.042E-08	-6.046E+01	1.503E+05	-7.352E-03	-5.758E-06

510	5	304.40	1	-2.257E+00	-2.633E+03	5.699E-12	-9.042E-08	-6.046E+01	4.698E-02	2.749E-10	-3.474E-13
511	1	0.00	1	2.487E+00	2.633E+03	2.199E-11	-7.178E-09	-5.983E+01	4.767E-02	0.000E+00	0.000E+00
511	2	76.10	1	2.487E+00	1.317E+03	2.199E-11	-7.178E-09	-5.983E+01	1.503E+05	-7.352E-03	-5.699E-06
511	3	152.20	1	2.487E+00	7.599E-12	2.199E-11	-7.178E-09	-5.983E+01	2.004E+05	-1.027E-02	-7.598E-06
511	4	228.30	1	2.487E+00	-1.317E+03	2.199E-11	-7.178E-09	-5.983E+01	1.503E+05	-7.352E-03	-5.699E-06
511	5	304.40	1	2.487E+00	-2.633E+03	2.199E-11	-7.178E-09	-5.983E+01	4.767E-02	1.372E-10	-2.080E-12
512	1	0.00	1	1.140E+04	2.633E+03	2.947E-11	-1.263E-08	-7.164E+03	-7.803E+00	0.000E+00	0.000E+00
512	2	76.10	1	1.140E+04	1.317E+03	2.947E-11	-1.263E-08	-7.164E+03	1.503E+05	-7.352E-03	-6.824E-04
512	3	152.20	1	1.140E+04	-6.749E-12	2.947E-11	-1.263E-08	-7.164E+03	2.004E+05	-1.027E-02	-9.099E-04
512	4	228.30	1	1.140E+04	-1.317E+03	2.947E-11	-1.263E-08	-7.164E+03	1.503E+05	-7.352E-03	-6.824E-04
512	5	304.40	1	1.140E+04	-2.633E+03	2.947E-11	-1.263E-08	-7.164E+03	-7.803E+00	1.460E-10	-3.375E-10
513	1	0.00	1	1.165E+04	2.633E+03	1.094E-13	-6.414E-08	7.193E+03	8.062E+00	0.000E+00	0.000E+00
513	2	76.10	1	1.165E+04	1.317E+03	1.094E-13	-6.414E-08	7.193E+03	1.503E+05	-7.353E-03	6.851E-04
513	3	152.20	1	1.165E+04	8.005E-13	1.094E-13	-6.414E-08	7.193E+03	2.004E+05	-1.027E-02	9.135E-04
513	4	228.30	1	1.165E+04	-1.317E+03	1.094E-13	-6.414E-08	7.193E+03	1.503E+05	-7.353E-03	6.851E-04
513	5	304.40	1	1.165E+04	-2.633E+03	1.094E-13	-6.414E-08	7.193E+03	8.062E+00	-1.244E-09	-1.017E-10
514	1	0.00	1	-2.257E+00	2.633E+03	1.070E-13	-8.266E-08	-6.046E+01	4.698E-02	0.000E+00	0.000E+00
514	2	76.10	1	-2.257E+00	1.317E+03	1.070E-13	-8.266E-08	-6.046E+01	1.503E+05	-7.352E-03	-5.758E-06
514	3	152.20	1	-2.257E+00	1.178E-11	1.070E-13	-8.266E-08	-6.046E+01	2.004E+05	-1.027E-02	-7.678E-06
514	4	228.30	1	-2.257E+00	-1.317E+03	1.070E-13	-8.266E-08	-6.046E+01	1.503E+05	-7.352E-03	-5.758E-06
514	5	304.40	1	-2.257E+00	-2.633E+03	1.070E-13	-8.266E-08	-6.046E+01	4.698E-02	2.749E-10	-3.475E-13
515	1	0.00	1	2.488E+00	2.633E+03	-1.867E-12	1.294E-07	-5.982E+01	4.768E-02	0.000E+00	0.000E+00
515	2	76.10	1	2.488E+00	1.317E+03	-1.867E-12	1.294E-07	-5.982E+01	1.503E+05	-7.352E-03	-5.698E-06
515	3	152.20	1	2.488E+00	4.411E-12	-1.867E-12	1.294E-07	-5.982E+01	2.004E+05	-1.027E-02	-7.598E-06
515	4	228.30	1	2.488E+00	-1.317E+03	-1.867E-12	1.294E-07	-5.982E+01	1.503E+05	-7.352E-03	-5.698E-06
515	5	304.40	1	2.488E+00	-2.633E+03	-1.867E-12	1.294E-07	-5.982E+01	4.768E-02	1.372E-10	-2.081E-12
516	1	0.00	1	1.154E+04	2.633E+03	-7.378E-12	1.283E-07	-7.253E+03	-7.900E+00	0.000E+00	0.000E+00
516	2	76.10	1	1.154E+04	1.317E+03	-7.378E-12	1.283E-07	-7.253E+03	1.503E+05	-7.352E-03	-6.908E-04
516	3	152.20	1	1.154E+04	8.167E-12	-7.378E-12	1.283E-07	-7.253E+03	2.004E+05	-1.027E-02	-9.211E-04
516	4	228.30	1	1.154E+04	-1.317E+03	-7.378E-12	1.283E-07	-7.253E+03	1.503E+05	-7.352E-03	-6.908E-04
516	5	304.40	1	1.154E+04	-2.633E+03	-7.378E-12	1.283E-07	-7.253E+03	-7.900E+00	1.460E-10	-3.334E-10
517	1	0.00	1	1.179E+04	2.633E+03	1.983E-11	3.085E-08	7.283E+03	8.161E+00	0.000E+00	0.000E+00
517	2	76.10	1	1.179E+04	1.317E+03	1.983E-11	3.085E-08	7.283E+03	1.503E+05	-7.353E-03	6.937E-04
517	3	152.20	1	1.179E+04	-5.165E-12	1.983E-11	3.085E-08	7.283E+03	2.004E+05	-1.027E-02	9.250E-04
517	4	228.30	1	1.179E+04	-1.317E+03	1.983E-11	3.085E-08	7.283E+03	1.503E+05	-7.353E-03	6.937E-04
517	5	304.40	1	1.179E+04	-2.633E+03	1.983E-11	3.085E-08	7.283E+03	8.161E+00	-1.244E-09	-9.692E-11
518	1	0.00	1	-2.255E+00	2.633E+03	1.174E-10	5.875E-08	-6.046E+01	4.697E-02	0.000E+00	0.000E+00
518	2	76.10	1	-2.255E+00	1.317E+03	1.174E-10	5.875E-08	-6.046E+01	1.503E+05	-7.352E-03	-5.759E-06
518	3	152.20	1	-2.255E+00	-3.577E-12	1.174E-10	5.875E-08	-6.046E+01	2.004E+05	-1.027E-02	-7.678E-06
518	4	228.30	1	-2.255E+00	-1.317E+03	1.174E-10	5.875E-08	-6.046E+01	1.503E+05	-7.352E-03	-5.759E-06
518	5	304.40	1	-2.255E+00	-2.633E+03	1.174E-10	5.875E-08	-6.046E+01	4.697E-02	2.749E-10	-3.441E-13
519	1	0.00	1	2.487E+00	2.633E+03	2.024E-12	-1.900E-07	-5.983E+01	4.767E-02	0.000E+00	0.000E+00
519	2	76.10	1	2.487E+00	1.317E+03	2.024E-12	-1.900E-07	-5.983E+01	1.503E+05	-7.352E-03	-5.699E-06
519	3	152.20	1	2.487E+00	-4.870E-12	2.024E-12	-1.900E-07	-5.983E+01	2.004E+05	-1.027E-02	-7.598E-06
519	4	228.30	1	2.487E+00	-1.317E+03	2.024E-12	-1.900E-07	-5.983E+01	1.503E+05	-7.352E-03	-5.699E-06
519	5	304.40	1	2.487E+00	-2.633E+03	2.024E-12	-1.900E-07	-5.983E+01	4.767E-02	1.372E-10	-2.081E-12
520	1	0.00	1	1.140E+04	2.633E+03	7.513E-12	-1.922E-07	-7.164E+03	-7.803E+00	0.000E+00	0.000E+00
520	2	76.10	1	1.140E+04	1.317E+03	7.513E-12	-1.922E-07	-7.164E+03	1.503E+05	-7.352E-03	-6.824E-04
520	3	152.20	1	1.140E+04	3.402E-12	7.513E-12	-1.922E-07	-7.164E+03	2.004E+05	-1.027E-02	-9.099E-04
520	4	228.30	1	1.140E+04	-1.317E+03	7.513E-12	-1.922E-07	-7.164E+03	1.503E+05	-7.352E-03	-6.824E-04
520	5	304.40	1	1.140E+04	-2.633E+03	7.513E-12	-1.922E-07	-7.164E+03	-7.803E+00	1.460E-10	-3.375E-10
521	1	0.00	1	1.165E+04	2.633E+03	2.009E-11	1.155E-07	7.193E+03	8.062E+00	0.000E+00	0.000E+00
521	2	76.10	1	1.165E+04	1.317E+03	2.009E-11	1.155E-07	7.193E+03	1.503E+05	-7.353E-03	6.851E-04
521	3	152.20	1	1.165E+04	-5.439E-12	2.009E-11	1.155E-07	7.193E+03	2.004E+05	-1.027E-02	9.135E-04
521	4	228.30	1	1.165E+04	-1.317E+03	2.009E-11	1.155E-07	7.193E+03	1.503E+05	-7.353E-03	6.851E-04
521	5	304.40	1	1.165E+04	-2.633E+03	2.009E-11	1.155E-07	7.193E+03	8.062E+00	-1.244E-09	-1.017E-10
522	1	0.00	1	-2.257E+00	2.633E+03	3.045E-11	1.100E-07	-6.046E+01	4.698E-02	0.000E+00	0.000E+00
522	2	76.10	1	-2.257E+00	1.317E+03	3.045E-11	1.100E-07	-6.046E+01	1.503E+05	-7.352E-03	-5.758E-06
522	3	152.20	1	-2.257E+00	3.092E-12	3.045E-11	1.100E-07	-6.046E+01	2.004E+05	-1.027E-02	-7.678E-06
522	4	228.30	1	-2.257E+00	-1.317E+03	3.045E-11	1.100E-07	-6.046E+01	1.503E+05	-7.352E-03	-5.758E-06
522	5	304.40	1	-2.257E+00	-2.633E+03	3.045E-11	1.100E-07	-6.046E+01	4.698E-02	2.749E-10	-3.467E-13
523	1	0.00	1	2.487E+00	2.633E+03	-1.304E-12	2.403E-08	-5.983E+01	4.767E-02	0.000E+00	0.000E+00

523	2	76.10	1	2.487E+00	1.317E+03	-1.304E-12	2.403E-08	-5.983E+01	1.503E+05	-7.352E-03	-5.699E-06
523	3	152.20	1	2.487E+00	1.617E-11	-1.304E-12	2.403E-08	-5.983E+01	2.004E+05	-1.027E-02	-7.598E-06
523	4	228.30	1	2.487E+00	-1.317E+03	-1.304E-12	2.403E-08	-5.983E+01	1.503E+05	-7.352E-03	-5.699E-06
523	5	304.40	1	2.487E+00	-2.633E+03	-1.304E-12	2.403E-08	-5.983E+01	4.767E-02	1.372E-10	-2.081E-12
524	1	0.00	1	1.140E+04	2.633E+03	-5.655E-12	-1.013E-08	-7.164E+03	-7.803E+00	0.000E+00	0.000E+00
524	2	76.10	1	1.140E+04	1.317E+03	-5.655E-12	-1.013E-08	-7.164E+03	1.503E+05	-7.352E-03	-6.824E-04
524	3	152.20	1	1.140E+04	-6.705E-12	-5.655E-12	-1.013E-08	-7.164E+03	2.004E+05	-1.027E-02	-9.099E-04
524	4	228.30	1	1.140E+04	-1.317E+03	-5.655E-12	-1.013E-08	-7.164E+03	1.503E+05	-7.352E-03	-6.824E-04
524	5	304.40	1	1.140E+04	-2.633E+03	-5.655E-12	-1.013E-08	-7.164E+03	-7.803E+00	1.460E-10	-3.375E-10
525	1	0.00	1	1.165E+04	2.633E+03	7.180E-12	-3.142E-08	7.193E+03	8.062E+00	0.000E+00	0.000E+00
525	2	76.10	1	1.165E+04	1.317E+03	7.180E-12	-3.142E-08	7.193E+03	1.503E+05	-7.353E-03	6.851E-04
525	3	152.20	1	1.165E+04	-9.574E-13	7.180E-12	-3.142E-08	7.193E+03	2.004E+05	-1.027E-02	9.135E-04
525	4	228.30	1	1.165E+04	-1.317E+03	7.180E-12	-3.142E-08	7.193E+03	1.503E+05	-7.353E-03	6.851E-04
525	5	304.40	1	1.165E+04	-2.633E+03	7.180E-12	-3.142E-08	7.193E+03	8.062E+00	-1.244E-09	-1.017E-10
526	1	0.00	1	-2.257E+00	2.633E+03	3.409E-11	-3.395E-08	-6.046E+01	4.698E-02	0.000E+00	0.000E+00
526	2	76.10	1	-2.257E+00	1.317E+03	3.409E-11	-3.395E-08	-6.046E+01	1.503E+05	-7.352E-03	-5.758E-06
526	3	152.20	1	-2.257E+00	1.565E-11	3.409E-11	-3.395E-08	-6.046E+01	2.004E+05	-1.027E-02	-7.678E-06
526	4	228.30	1	-2.257E+00	-1.317E+03	3.409E-11	-3.395E-08	-6.046E+01	1.503E+05	-7.352E-03	-5.758E-06
526	5	304.40	1	-2.257E+00	-2.633E+03	3.409E-11	-3.395E-08	-6.046E+01	4.698E-02	2.749E-10	-3.466E-13
527	1	0.00	1	2.487E+00	2.633E+03	-4.319E-11	1.131E-08	-5.983E+01	4.767E-02	0.000E+00	0.000E+00
527	2	76.10	1	2.487E+00	1.317E+03	-4.319E-11	1.131E-08	-5.983E+01	1.503E+05	-7.352E-03	-5.699E-06
527	3	152.20	1	2.487E+00	3.726E-12	-4.319E-11	1.131E-08	-5.983E+01	2.004E+05	-1.027E-02	-7.598E-06
527	4	228.30	1	2.487E+00	-1.317E+03	-4.319E-11	1.131E-08	-5.983E+01	1.503E+05	-7.352E-03	-5.699E-06
527	5	304.40	1	2.487E+00	-2.633E+03	-4.319E-11	1.131E-08	-5.983E+01	4.767E-02	1.372E-10	-2.082E-12
528	1	0.00	1	1.140E+04	2.633E+03	-4.605E-11	-7.974E-09	-7.164E+03	-7.803E+00	0.000E+00	0.000E+00
528	2	76.10	1	1.140E+04	1.317E+03	-4.605E-11	-7.974E-09	-7.164E+03	1.503E+05	-7.352E-03	-6.824E-04
528	3	152.20	1	1.140E+04	-2.026E-12	-4.605E-11	-7.974E-09	-7.164E+03	2.004E+05	-1.027E-02	-9.099E-04
528	4	228.30	1	1.140E+04	-1.317E+03	-4.605E-11	-7.974E-09	-7.164E+03	1.503E+05	-7.352E-03	-6.824E-04
528	5	304.40	1	1.140E+04	-2.633E+03	-4.605E-11	-7.974E-09	-7.164E+03	-7.803E+00	1.460E-10	-3.375E-10
529	1	0.00	1	1.165E+04	2.633E+03	-1.004E-11	1.514E-07	7.193E+03	8.062E+00	0.000E+00	0.000E+00
529	2	76.10	1	1.165E+04	1.317E+03	-1.004E-11	1.514E-07	7.193E+03	1.503E+05	-7.353E-03	6.851E-04
529	3	152.20	1	1.165E+04	-9.023E-13	-1.004E-11	1.514E-07	7.193E+03	2.004E+05	-1.027E-02	9.135E-04
529	4	228.30	1	1.165E+04	-1.317E+03	-1.004E-11	1.514E-07	7.193E+03	1.503E+05	-7.353E-03	6.851E-04
529	5	304.40	1	1.165E+04	-2.633E+03	-1.004E-11	1.514E-07	7.193E+03	8.062E+00	-1.244E-09	-1.017E-10
530	1	0.00	1	-2.257E+00	2.633E+03	-1.209E-11	1.123E-07	-6.046E+01	4.698E-02	0.000E+00	0.000E+00
530	2	76.10	1	-2.257E+00	1.317E+03	-1.209E-11	1.123E-07	-6.046E+01	1.503E+05	-7.352E-03	-5.758E-06
530	3	152.20	1	-2.257E+00	-1.583E-12	-1.209E-11	1.123E-07	-6.046E+01	2.004E+05	-1.027E-02	-7.678E-06
530	4	228.30	1	-2.257E+00	-1.317E+03	-1.209E-11	1.123E-07	-6.046E+01	1.503E+05	-7.352E-03	-5.758E-06
530	5	304.40	1	-2.257E+00	-2.633E+03	-1.209E-11	1.123E-07	-6.046E+01	4.698E-02	2.749E-10	-3.479E-13
531	1	0.00	1	2.372E+00	2.633E+03	-5.493E-12	-1.408E-07	-6.014E+01	4.733E-02	0.000E+00	0.000E+00
531	2	76.10	1	2.372E+00	1.317E+03	-5.493E-12	-1.408E-07	-6.014E+01	1.503E+05	-7.352E-03	-5.728E-06
531	3	152.20	1	2.372E+00	-8.028E-14	-5.493E-12	-1.408E-07	-6.014E+01	2.004E+05	-1.027E-02	-7.638E-06
531	4	228.30	1	2.372E+00	-1.317E+03	-5.493E-12	-1.408E-07	-6.014E+01	1.503E+05	-7.352E-03	-5.728E-06
531	5	304.40	1	2.372E+00	-2.633E+03	-5.493E-12	-1.408E-07	-6.014E+01	4.733E-02	2.074E-10	6.229E-13
532	1	0.00	1	-7.489E+01	2.633E+03	3.721E-12	-1.805E-07	-1.496E+01	9.725E-02	0.000E+00	0.000E+00
532	2	76.10	1	-7.489E+01	1.317E+03	3.721E-12	-1.805E-07	-1.496E+01	1.503E+05	-7.352E-03	-1.425E-06
532	3	152.20	1	-7.489E+01	-7.140E-13	3.721E-12	-1.805E-07	-1.496E+01	2.004E+05	-1.027E-02	-1.900E-06
532	4	228.30	1	-7.489E+01	-1.317E+03	3.721E-12	-1.805E-07	-1.496E+01	1.503E+05	-7.352E-03	-1.425E-06
532	5	304.40	1	-7.489E+01	-2.633E+03	3.721E-12	-1.805E-07	-1.496E+01	9.725E-02	1.070E-09	-1.668E-12
701	1	0.00	1	-1.118E+01	7.378E+03	-1.111E-12	-1.499E-08	-5.894E+01	-3.238E-01	0.000E+00	0.000E+00
701	2	76.10	1	-1.118E+01	3.689E+03	-1.111E-12	-1.499E-08	-5.894E+01	4.211E+05	-2.143E-02	-1.971E-05
701	3	152.20	1	-1.118E+01	3.358E-12	-1.111E-12	-1.499E-08	-5.894E+01	5.615E+05	-2.990E-02	-2.628E-05
701	4	228.30	1	-1.118E+01	-3.689E+03	-1.111E-12	-1.499E-08	-5.894E+01	4.211E+05	-2.143E-02	-1.971E-05
701	5	304.40	1	-1.118E+01	-7.378E+03	-1.111E-12	-1.499E-08	-5.894E+01	-3.238E-01	-3.407E-09	-1.103E-11
702	1	0.00	1	3.367E+00	9.600E+03	-1.110E-12	-1.362E-08	-5.904E+01	-6.706E-02	0.000E+00	0.000E+00
702	2	76.10	1	3.367E+00	4.800E+03	-1.110E-12	-1.362E-08	-5.904E+01	5.479E+05	-2.788E-02	-1.974E-05
702	3	152.20	1	3.367E+00	4.899E-11	-1.110E-12	-1.362E-08	-5.904E+01	7.306E+05	-3.891E-02	-2.632E-05
702	4	228.30	1	3.367E+00	-4.800E+03	-1.110E-12	-1.362E-08	-5.904E+01	5.479E+05	-2.788E-02	-1.974E-05
702	5	304.40	1	3.367E+00	-9.600E+03	-1.110E-12	-1.362E-08	-5.904E+01	-6.706E-02	1.413E-11	4.344E-13
703	1	0.00	1	-2.865E-01	1.071E+04	-1.241E-12	-1.232E-08	-6.792E+01	-8.542E-02	0.000E+00	0.000E+00
703	2	76.10	1	-2.865E-01	5.356E+03	-1.241E-12	-1.232E-08	-6.792E+01	6.113E+05	-3.111E-02	-2.271E-05
703	3	152.20	1	-2.865E-01	-2.040E-11	-1.241E-12	-1.232E-08	-6.792E+01	8.151E+05	-4.341E-02	-3.028E-05

703	4	228.30	1	-2.865E-01	-5.356E+03	-1.241E-12	-1.232E-08	-6.792E+01	6.113E+05	-3.111E-02	-2.271E-05
703	5	304.40	1	-2.865E-01	-1.071E+04	-1.241E-12	-1.232E-08	-6.792E+01	-8.542E-02	1.984E-09	2.230E-12
704	1	0.00	1	-8.277E-01	9.600E+03	-1.361E-12	-1.242E-08	-6.037E+01	-6.863E-02	0.000E+00	0.000E+00
704	2	76.10	1	-8.277E-01	4.800E+03	-1.361E-12	-1.242E-08	-6.037E+01	5.479E+05	-2.788E-02	-2.019E-05
704	3	152.20	1	-8.277E-01	-3.793E-11	-1.361E-12	-1.242E-08	-6.037E+01	7.306E+05	-3.891E-02	-2.692E-05
704	4	228.30	1	-8.277E-01	-4.800E+03	-1.361E-12	-1.242E-08	-6.037E+01	5.479E+05	-2.788E-02	-2.019E-05
704	5	304.40	1	-8.277E-01	-9.600E+03	-1.361E-12	-1.242E-08	-6.037E+01	-6.863E-02	9.364E-10	-4.545E-13
705	1	0.00	1	3.017E+00	7.378E+03	-1.599E-12	-1.326E-08	-4.991E+01	-1.893E-01	0.000E+00	0.000E+00
705	2	76.10	1	3.017E+00	3.689E+03	-1.599E-12	-1.326E-08	-4.991E+01	4.211E+05	-2.143E-02	-1.669E-05
705	3	152.20	1	3.017E+00	-6.373E-12	-1.599E-12	-1.326E-08	-4.991E+01	5.615E+05	-2.990E-02	-2.225E-05
705	4	228.30	1	3.017E+00	-3.689E+03	-1.599E-12	-1.326E-08	-4.991E+01	4.211E+05	-2.143E-02	-1.669E-05
705	5	304.40	1	3.017E+00	-7.378E+03	-1.599E-12	-1.326E-08	-4.991E+01	-1.893E-01	-3.120E-09	3.951E-12
706	1	0.00	1	-3.255E+00	7.378E+03	1.155E-12	7.463E-08	-4.973E+01	-1.916E-01	0.000E+00	0.000E+00
706	2	76.10	1	-3.255E+00	3.689E+03	1.155E-12	7.463E-08	-4.973E+01	4.211E+05	-2.143E-02	-1.663E-05
706	3	152.20	1	-3.255E+00	1.384E-11	1.155E-12	7.463E-08	-4.973E+01	5.615E+05	-2.990E-02	-2.217E-05
706	4	228.30	1	-3.255E+00	-3.689E+03	1.155E-12	7.463E-08	-4.973E+01	4.211E+05	-2.143E-02	-1.663E-05
706	5	304.40	1	-3.255E+00	-7.378E+03	1.155E-12	7.463E-08	-4.973E+01	-1.916E-01	-2.684E-09	-1.359E-12
707	1	0.00	1	-1.376E+00	9.600E+03	1.447E-12	7.554E-08	-6.045E+01	-6.862E-02	0.000E+00	0.000E+00
707	2	76.10	1	-1.376E+00	4.800E+03	1.447E-12	7.554E-08	-6.045E+01	5.479E+05	-2.788E-02	-2.022E-05
707	3	152.20	1	-1.376E+00	1.527E-11	1.447E-12	7.554E-08	-6.045E+01	7.306E+05	-3.891E-02	-2.696E-05
707	4	228.30	1	-1.376E+00	-4.800E+03	1.447E-12	7.554E-08	-6.045E+01	5.479E+05	-2.788E-02	-2.022E-05
707	5	304.40	1	-1.376E+00	-9.600E+03	1.447E-12	7.554E-08	-6.045E+01	-6.862E-02	9.355E-10	-9.019E-13
708	1	0.00	1	4.421E+01	1.071E+04	1.764E-12	7.460E-08	-8.297E+01	-1.002E-01	0.000E+00	0.000E+00
708	2	76.10	1	4.421E+01	5.356E+03	1.764E-12	7.460E-08	-8.297E+01	6.113E+05	-3.111E-02	-2.775E-05
708	3	152.20	1	4.421E+01	5.710E-11	1.764E-12	7.460E-08	-8.297E+01	8.151E+05	-4.341E-02	-3.700E-05
708	4	228.30	1	4.421E+01	-5.356E+03	1.764E-12	7.460E-08	-8.297E+01	6.113E+05	-3.111E-02	-2.775E-05
708	5	304.40	1	4.421E+01	-1.071E+04	1.764E-12	7.460E-08	-8.297E+01	-1.002E-01	2.930E-09	7.284E-12
709	1	0.00	1	-3.904E+02	9.600E+03	2.114E-12	7.325E-08	1.460E+02	1.728E-01	0.000E+00	0.000E+00
709	2	76.10	1	-3.904E+02	4.800E+03	2.114E-12	7.325E-08	1.460E+02	5.479E+05	-2.788E-02	4.882E-05
709	3	152.20	1	-3.904E+02	2.977E-11	2.114E-12	7.325E-08	1.460E+02	7.306E+05	-3.891E-02	6.510E-05
709	4	228.30	1	-3.904E+02	-4.800E+03	2.114E-12	7.325E-08	1.460E+02	5.479E+05	-2.788E-02	4.882E-05
709	5	304.40	1	-3.904E+02	-9.600E+03	2.114E-12	7.325E-08	1.460E+02	1.728E-01	1.409E-09	1.007E-11
710	1	0.00	1	1.263E+03	7.378E+03	2.544E-12	7.214E-08	-1.444E+03	-2.095E+01	0.000E+00	0.000E+00
710	2	76.10	1	1.263E+03	3.689E+03	2.544E-12	7.214E-08	-1.444E+03	4.211E+05	-2.143E-02	-4.827E-04
710	3	152.20	1	1.263E+03	1.403E-11	2.544E-12	7.214E-08	-1.444E+03	5.614E+05	-2.990E-02	-6.437E-04
710	4	228.30	1	1.263E+03	-3.689E+03	2.544E-12	7.214E-08	-1.444E+03	4.211E+05	-2.143E-02	-4.827E-04
710	5	304.40	1	1.263E+03	-7.378E+03	2.544E-12	7.214E-08	-1.444E+03	-2.095E+01	4.214E-09	3.723E-11
711	1	0.00	1	1.284E+03	7.378E+03	-8.539E-12	-5.791E-08	1.373E+03	2.100E+01	0.000E+00	0.000E+00
711	2	76.10	1	1.284E+03	3.689E+03	-8.539E-12	-5.791E-08	1.373E+03	4.211E+05	-2.143E-02	4.591E-04
711	3	152.20	1	1.284E+03	-1.062E-11	-8.539E-12	-5.791E-08	1.373E+03	5.615E+05	-2.990E-02	6.122E-04
711	4	228.30	1	1.284E+03	-3.689E+03	-8.539E-12	-5.791E-08	1.373E+03	4.211E+05	-2.143E-02	4.591E-04
711	5	304.40	1	1.284E+03	-7.378E+03	-8.539E-12	-5.791E-08	1.373E+03	2.100E+01	2.115E-10	1.331E-10
712	1	0.00	1	-3.969E+02	9.600E+03	-9.659E-12	-6.124E-08	-2.711E+02	-3.151E-01	0.000E+00	0.000E+00
712	2	76.10	1	-3.969E+02	4.800E+03	-9.659E-12	-6.124E-08	-2.711E+02	5.479E+05	-2.788E-02	-9.065E-05
712	3	152.20	1	-3.969E+02	-2.724E-11	-9.659E-12	-6.124E-08	-2.711E+02	7.306E+05	-3.891E-02	-1.209E-04
712	4	228.30	1	-3.969E+02	-4.800E+03	-9.659E-12	-6.124E-08	-2.711E+02	5.479E+05	-2.788E-02	-9.065E-05
712	5	304.40	1	-3.969E+02	-9.600E+03	-9.659E-12	-6.124E-08	-2.711E+02	-3.151E-01	1.719E-09	2.474E-12
713	1	0.00	1	4.514E+01	1.071E+04	-1.140E-11	-6.368E-08	-5.236E+01	-7.016E-02	0.000E+00	0.000E+00
713	2	76.10	1	4.514E+01	5.356E+03	-1.140E-11	-6.368E-08	-5.236E+01	6.113E+05	-3.111E-02	-1.751E-05
713	3	152.20	1	4.514E+01	-1.526E-11	-1.140E-11	-6.368E-08	-5.236E+01	8.151E+05	-4.341E-02	-2.334E-05
713	4	228.30	1	4.514E+01	-5.356E+03	-1.140E-11	-6.368E-08	-5.236E+01	6.113E+05	-3.111E-02	-1.751E-05
713	5	304.40	1	4.514E+01	-1.071E+04	-1.140E-11	-6.368E-08	-5.236E+01	-7.016E-02	8.663E-12	2.540E-12
714	1	0.00	1	-3.107E+00	9.600E+03	-1.397E-11	-6.472E-08	-6.029E+01	-6.863E-02	0.000E+00	0.000E+00
714	2	76.10	1	-3.107E+00	4.800E+03	-1.397E-11	-6.472E-08	-6.029E+01	5.479E+05	-2.788E-02	-2.016E-05
714	3	152.20	1	-3.107E+00	-4.771E-11	-1.397E-11	-6.472E-08	-6.029E+01	7.306E+05	-3.891E-02	-2.688E-05
714	4	228.30	1	-3.107E+00	-4.800E+03	-1.397E-11	-6.472E-08	-6.029E+01	5.479E+05	-2.788E-02	-2.016E-05
714	5	304.40	1	-3.107E+00	-9.600E+03	-1.397E-11	-6.472E-08	-6.029E+01	-6.863E-02	9.372E-10	-1.168E-12
715	1	0.00	1	2.770E+00	7.378E+03	-1.766E-11	-6.445E-08	-5.009E+01	-1.868E-01	0.000E+00	0.000E+00
715	2	76.10	1	2.770E+00	3.689E+03	-1.766E-11	-6.445E-08	-5.009E+01	4.211E+05	-2.143E-02	-1.675E-05
715	3	152.20	1	2.770E+00	1.327E-11	-1.766E-11	-6.445E-08	-5.009E+01	5.615E+05	-2.990E-02	-2.233E-05
715	4	228.30	1	2.770E+00	-3.689E+03	-1.766E-11	-6.445E-08	-5.009E+01	4.211E+05	-2.143E-02	-1.675E-05
715	5	304.40	1	2.770E+00	-7.378E+03	-1.766E-11	-6.445E-08	-5.009E+01	-1.868E-01	-3.630E-09	-4.287E-12

716	1	0.00	1	-3.255E+00	7.378E+03	-3.528E-12	4.325E-08	-4.973E+01	-1.916E-01	0.000E+00	0.000E+00
716	2	76.10	1	-3.255E+00	3.689E+03	-3.528E-12	4.325E-08	-4.973E+01	4.211E+05	-2.143E-02	-1.663E-05
716	3	152.20	1	-3.255E+00	-1.935E-11	-3.528E-12	4.325E-08	-4.973E+01	5.615E+05	-2.990E-02	-2.217E-05
716	4	228.30	1	-3.255E+00	-3.689E+03	-3.528E-12	4.325E-08	-4.973E+01	4.211E+05	-2.143E-02	-1.663E-05
716	5	304.40	1	-3.255E+00	-7.378E+03	-3.528E-12	4.325E-08	-4.973E+01	-1.916E-01	-2.684E-09	-1.359E-12
717	1	0.00	1	-1.376E+00	9.600E+03	-4.027E-12	4.276E-08	-6.045E+01	-6.862E-02	0.000E+00	0.000E+00
717	2	76.10	1	-1.376E+00	4.800E+03	-4.027E-12	4.276E-08	-6.045E+01	5.479E+05	-2.788E-02	-2.022E-05
717	3	152.20	1	-1.376E+00	8.827E-12	-4.027E-12	4.276E-08	-6.045E+01	7.306E+05	-3.891E-02	-2.696E-05
717	4	228.30	1	-1.376E+00	-4.800E+03	-4.027E-12	4.276E-08	-6.045E+01	5.479E+05	-2.788E-02	-2.022E-05
717	5	304.40	1	-1.376E+00	-9.600E+03	-4.027E-12	4.276E-08	-6.045E+01	-6.862E-02	9.355E-10	-9.024E-13
718	1	0.00	1	4.421E+01	1.071E+04	-4.361E-12	4.106E-08	-8.297E+01	-1.002E-01	0.000E+00	0.000E+00
718	2	76.10	1	4.421E+01	5.356E+03	-4.361E-12	4.106E-08	-8.297E+01	6.113E+05	-3.111E-02	-2.775E-05
718	3	152.20	1	4.421E+01	-3.789E-11	-4.361E-12	4.106E-08	-8.297E+01	8.151E+05	-4.341E-02	-3.700E-05
718	4	228.30	1	4.421E+01	-5.356E+03	-4.361E-12	4.106E-08	-8.297E+01	6.113E+05	-3.111E-02	-2.775E-05
718	5	304.40	1	4.421E+01	-1.071E+04	-4.361E-12	4.106E-08	-8.297E+01	-1.002E-01	2.930E-09	7.284E-12
719	1	0.00	1	-3.904E+02	9.600E+03	-4.496E-12	3.845E-08	1.460E+02	1.728E-01	0.000E+00	0.000E+00
719	2	76.10	1	-3.904E+02	4.800E+03	-4.496E-12	3.845E-08	1.460E+02	5.479E+05	-2.788E-02	4.882E-05
719	3	152.20	1	-3.904E+02	-3.256E-12	-4.496E-12	3.845E-08	1.460E+02	7.306E+05	-3.891E-02	6.510E-05
719	4	228.30	1	-3.904E+02	-4.800E+03	-4.496E-12	3.845E-08	1.460E+02	5.479E+05	-2.788E-02	4.882E-05
719	5	304.40	1	-3.904E+02	-9.600E+03	-4.496E-12	3.845E-08	1.460E+02	1.728E-01	1.409E-09	1.007E-11
720	1	0.00	1	1.263E+03	7.378E+03	-4.347E-12	3.509E-08	-1.444E+03	-2.095E+01	0.000E+00	0.000E+00
720	2	76.10	1	1.263E+03	3.689E+03	-4.347E-12	3.509E-08	-1.444E+03	4.211E+05	-2.143E-02	-4.827E-04
720	3	152.20	1	1.263E+03	1.592E-11	-4.347E-12	3.509E-08	-1.444E+03	5.614E+05	-2.990E-02	-6.437E-04
720	4	228.30	1	1.263E+03	-3.689E+03	-4.347E-12	3.509E-08	-1.444E+03	4.211E+05	-2.143E-02	-4.827E-04
720	5	304.40	1	1.263E+03	-7.378E+03	-4.347E-12	3.509E-08	-1.444E+03	-2.095E+01	4.214E-09	3.723E-11
721	1	0.00	1	1.284E+03	7.378E+03	4.570E-12	-3.514E-08	1.373E+03	2.100E+01	0.000E+00	0.000E+00
721	2	76.10	1	1.284E+03	3.689E+03	4.570E-12	-3.514E-08	1.373E+03	4.211E+05	-2.143E-02	4.591E-04
721	3	152.20	1	1.284E+03	-7.735E-12	4.570E-12	-3.514E-08	1.373E+03	5.615E+05	-2.990E-02	6.122E-04
721	4	228.30	1	1.284E+03	-3.689E+03	4.570E-12	-3.514E-08	1.373E+03	4.211E+05	-2.143E-02	4.591E-04
721	5	304.40	1	1.284E+03	-7.378E+03	4.570E-12	-3.514E-08	1.373E+03	2.100E+01	2.115E-10	1.331E-10
722	1	0.00	1	-3.969E+02	9.600E+03	3.871E-12	-3.619E-08	-2.711E+02	-3.151E-01	0.000E+00	0.000E+00
722	2	76.10	1	-3.969E+02	4.800E+03	3.871E-12	-3.619E-08	-2.711E+02	5.479E+05	-2.788E-02	-9.065E-05
722	3	152.20	1	-3.969E+02	-3.030E-12	3.871E-12	-3.619E-08	-2.711E+02	7.306E+05	-3.891E-02	-1.209E-04
722	4	228.30	1	-3.969E+02	-4.800E+03	3.871E-12	-3.619E-08	-2.711E+02	5.479E+05	-2.788E-02	-9.065E-05
722	5	304.40	1	-3.969E+02	-9.600E+03	3.871E-12	-3.619E-08	-2.711E+02	-3.151E-01	1.719E-09	2.474E-12
723	1	0.00	1	4.514E+01	1.071E+04	3.043E-12	-3.547E-08	-5.236E+01	-7.016E-02	0.000E+00	0.000E+00
723	2	76.10	1	4.514E+01	5.356E+03	3.043E-12	-3.547E-08	-5.236E+01	6.113E+05	-3.111E-02	-1.751E-05
723	3	152.20	1	4.514E+01	7.198E-12	3.043E-12	-3.547E-08	-5.236E+01	8.151E+05	-4.341E-02	-2.334E-05
723	4	228.30	1	4.514E+01	-5.356E+03	3.043E-12	-3.547E-08	-5.236E+01	6.113E+05	-3.111E-02	-1.751E-05
723	5	304.40	1	4.514E+01	-1.071E+04	3.043E-12	-3.547E-08	-5.236E+01	-7.016E-02	8.665E-12	2.541E-12
724	1	0.00	1	-3.107E+00	9.600E+03	2.301E-12	-3.468E-08	-6.029E+01	-6.863E-02	0.000E+00	0.000E+00
724	2	76.10	1	-3.107E+00	4.800E+03	2.301E-12	-3.468E-08	-6.029E+01	5.479E+05	-2.788E-02	-2.016E-05
724	3	152.20	1	-3.107E+00	4.742E-12	2.301E-12	-3.468E-08	-6.029E+01	7.306E+05	-3.891E-02	-2.688E-05
724	4	228.30	1	-3.107E+00	-4.800E+03	2.301E-12	-3.468E-08	-6.029E+01	5.479E+05	-2.788E-02	-2.016E-05
724	5	304.40	1	-3.107E+00	-9.600E+03	2.301E-12	-3.468E-08	-6.029E+01	-6.863E-02	9.372E-10	-1.167E-12
725	1	0.00	1	2.770E+00	7.378E+03	1.804E-12	-3.427E-08	-5.009E+01	-1.868E-01	0.000E+00	0.000E+00
725	2	76.10	1	2.770E+00	3.689E+03	1.804E-12	-3.427E-08	-5.009E+01	4.211E+05	-2.143E-02	-1.675E-05
725	3	152.20	1	2.770E+00	1.072E-12	1.804E-12	-3.427E-08	-5.009E+01	5.615E+05	-2.990E-02	-2.233E-05
725	4	228.30	1	2.770E+00	-3.689E+03	1.804E-12	-3.427E-08	-5.009E+01	4.211E+05	-2.143E-02	-1.675E-05
725	5	304.40	1	2.770E+00	-7.378E+03	1.804E-12	-3.427E-08	-5.009E+01	-1.868E-01	-3.630E-09	-4.286E-12
726	1	0.00	1	-3.255E+00	7.378E+03	6.961E-12	-1.943E-09	-4.973E+01	-1.916E-01	0.000E+00	0.000E+00
726	2	76.10	1	-3.255E+00	3.689E+03	6.961E-12	-1.943E-09	-4.973E+01	4.211E+05	-2.143E-02	-1.663E-05
726	3	152.20	1	-3.255E+00	1.127E-11	6.961E-12	-1.943E-09	-4.973E+01	5.615E+05	-2.990E-02	-2.217E-05
726	4	228.30	1	-3.255E+00	-3.689E+03	6.961E-12	-1.943E-09	-4.973E+01	4.211E+05	-2.143E-02	-1.663E-05
726	5	304.40	1	-3.255E+00	-7.378E+03	6.961E-12	-1.943E-09	-4.973E+01	-1.916E-01	-2.684E-09	-1.359E-12
727	1	0.00	1	-1.376E+00	9.600E+03	8.230E-12	1.723E-10	-6.045E+01	-6.862E-02	0.000E+00	0.000E+00
727	2	76.10	1	-1.376E+00	4.800E+03	8.230E-12	1.723E-10	-6.045E+01	5.479E+05	-2.788E-02	-2.022E-05
727	3	152.20	1	-1.376E+00	7.140E-11	8.230E-12	1.723E-10	-6.045E+01	7.306E+05	-3.891E-02	-2.696E-05
727	4	228.30	1	-1.376E+00	-4.800E+03	8.230E-12	1.723E-10	-6.045E+01	5.479E+05	-2.788E-02	-2.022E-05
727	5	304.40	1	-1.376E+00	-9.600E+03	8.230E-12	1.723E-10	-6.045E+01	-6.862E-02	9.355E-10	-9.013E-13
728	1	0.00	1	4.421E+01	1.071E+04	8.955E-12	9.902E-10	-8.297E+01	-1.002E-01	0.000E+00	0.000E+00
728	2	76.10	1	4.421E+01	5.356E+03	8.955E-12	9.902E-10	-8.297E+01	6.113E+05	-3.111E-02	-2.775E-05

728	3	152.20	1	4.421E+01	6.983E-12	8.955E-12	9.902E-10	-8.297E+01	8.151E+05	-4.341E-02	-3.700E-05
728	4	228.30	1	4.421E+01	-5.356E+03	8.955E-12	9.902E-10	-8.297E+01	6.113E+05	-3.111E-02	-2.775E-05
728	5	304.40	1	4.421E+01	-1.071E+04	8.955E-12	9.902E-10	-8.297E+01	-1.002E-01	2.930E-09	7.285E-12
729	1	0.00	1	-3.904E+02	9.600E+03	9.184E-12	-5.934E-10	1.460E+02	1.728E-01	0.000E+00	0.000E+00
729	2	76.10	1	-3.904E+02	4.800E+03	9.184E-12	-5.934E-10	1.460E+02	5.479E+05	-2.788E-02	4.882E-05
729	3	152.20	1	-3.904E+02	5.947E-12	9.184E-12	-5.934E-10	1.460E+02	7.306E+05	-3.891E-02	6.510E-05
729	4	228.30	1	-3.904E+02	-4.800E+03	9.184E-12	-5.934E-10	1.460E+02	5.479E+05	-2.788E-02	4.882E-05
729	5	304.40	1	-3.904E+02	-9.600E+03	9.184E-12	-5.934E-10	1.460E+02	1.728E-01	1.409E-09	1.008E-11
730	1	0.00	1	1.263E+03	7.378E+03	8.894E-12	-3.813E-09	-1.444E+03	-2.095E+01	0.000E+00	0.000E+00
730	2	76.10	1	1.263E+03	3.689E+03	8.894E-12	-3.813E-09	-1.444E+03	4.211E+05	-2.143E-02	-4.827E-04
730	3	152.20	1	1.263E+03	-2.124E-13	8.894E-12	-3.813E-09	-1.444E+03	5.614E+05	-2.990E-02	-6.437E-04
730	4	228.30	1	1.263E+03	-3.689E+03	8.894E-12	-3.813E-09	-1.444E+03	4.211E+05	-2.143E-02	-4.827E-04
730	5	304.40	1	1.263E+03	-7.378E+03	8.894E-12	-3.813E-09	-1.444E+03	-2.095E+01	4.214E-09	3.723E-11
731	1	0.00	1	1.284E+03	7.378E+03	9.048E-15	-2.351E-08	1.373E+03	2.100E+01	0.000E+00	0.000E+00
731	2	76.10	1	1.284E+03	3.689E+03	9.048E-15	-2.351E-08	1.373E+03	4.211E+05	-2.143E-02	4.591E-04
731	3	152.20	1	1.284E+03	1.218E-11	9.048E-15	-2.351E-08	1.373E+03	5.615E+05	-2.990E-02	6.122E-04
731	4	228.30	1	1.284E+03	-3.689E+03	9.048E-15	-2.351E-08	1.373E+03	4.211E+05	-2.143E-02	4.591E-04
731	5	304.40	1	1.284E+03	-7.378E+03	9.048E-15	-2.351E-08	1.373E+03	2.100E+01	2.115E-10	1.331E-10
732	1	0.00	1	-3.969E+02	9.600E+03	-1.054E-12	-2.427E-08	-2.711E+02	-3.151E-01	0.000E+00	0.000E+00
732	2	76.10	1	-3.969E+02	4.800E+03	-1.054E-12	-2.427E-08	-2.711E+02	5.479E+05	-2.788E-02	-9.065E-05
732	3	152.20	1	-3.969E+02	7.729E-11	-1.054E-12	-2.427E-08	-2.711E+02	7.306E+05	-3.891E-02	-1.209E-04
732	4	228.30	1	-3.969E+02	-4.800E+03	-1.054E-12	-2.427E-08	-2.711E+02	5.479E+05	-2.788E-02	-9.065E-05
732	5	304.40	1	-3.969E+02	-9.600E+03	-1.054E-12	-2.427E-08	-2.711E+02	-3.151E-01	1.719E-09	2.474E-12
733	1	0.00	1	4.514E+01	1.071E+04	-6.907E-13	-2.672E-08	-5.236E+01	-7.016E-02	0.000E+00	0.000E+00
733	2	76.10	1	4.514E+01	5.356E+03	-6.907E-13	-2.672E-08	-5.236E+01	6.113E+05	-3.111E-02	-1.751E-05
733	3	152.20	1	4.514E+01	-1.939E-11	-6.907E-13	-2.672E-08	-5.236E+01	8.151E+05	-4.341E-02	-2.334E-05
733	4	228.30	1	4.514E+01	-5.356E+03	-6.907E-13	-2.672E-08	-5.236E+01	6.113E+05	-3.111E-02	-1.751E-05
733	5	304.40	1	4.514E+01	-1.071E+04	-6.907E-13	-2.672E-08	-5.236E+01	-7.016E-02	8.664E-12	2.541E-12
734	1	0.00	1	-3.107E+00	9.600E+03	-2.962E-13	-2.878E-08	-6.029E+01	-6.863E-02	0.000E+00	0.000E+00
734	2	76.10	1	-3.107E+00	4.800E+03	-2.962E-13	-2.878E-08	-6.029E+01	5.479E+05	-2.788E-02	-2.016E-05
734	3	152.20	1	-3.107E+00	-2.758E-11	-2.962E-13	-2.878E-08	-6.029E+01	7.306E+05	-3.891E-02	-2.688E-05
734	4	228.30	1	-3.107E+00	-4.800E+03	-2.962E-13	-2.878E-08	-6.029E+01	5.479E+05	-2.788E-02	-2.016E-05
734	5	304.40	1	-3.107E+00	-9.600E+03	-2.962E-13	-2.878E-08	-6.029E+01	-6.863E-02	9.372E-10	-1.167E-12
735	1	0.00	1	2.770E+00	7.378E+03	9.532E-15	-3.061E-08	-5.009E+01	-1.868E-01	0.000E+00	0.000E+00
735	2	76.10	1	2.770E+00	3.689E+03	9.532E-15	-3.061E-08	-5.009E+01	4.211E+05	-2.143E-02	-1.675E-05
735	3	152.20	1	2.770E+00	1.921E-12	9.532E-15	-3.061E-08	-5.009E+01	5.615E+05	-2.990E-02	-2.233E-05
735	4	228.30	1	2.770E+00	-3.689E+03	9.532E-15	-3.061E-08	-5.009E+01	4.211E+05	-2.143E-02	-1.675E-05
735	5	304.40	1	2.770E+00	-7.378E+03	9.532E-15	-3.061E-08	-5.009E+01	-1.868E-01	-3.630E-09	-4.286E-12
736	1	0.00	1	-3.258E+00	7.378E+03	-6.127E-13	4.826E-08	-4.973E+01	-1.917E-01	0.000E+00	0.000E+00
736	2	76.10	1	-3.258E+00	3.689E+03	-6.127E-13	4.826E-08	-4.973E+01	4.211E+05	-2.143E-02	-1.663E-05
736	3	152.20	1	-3.258E+00	2.470E-11	-6.127E-13	4.826E-08	-4.973E+01	5.615E+05	-2.990E-02	-2.217E-05
736	4	228.30	1	-3.258E+00	-3.689E+03	-6.127E-13	4.826E-08	-4.973E+01	4.211E+05	-2.143E-02	-1.663E-05
736	5	304.40	1	-3.258E+00	-7.378E+03	-6.127E-13	4.826E-08	-4.973E+01	-1.917E-01	-2.684E-09	-1.360E-12
737	1	0.00	1	-1.404E+00	9.600E+03	-8.399E-13	4.641E-08	-6.046E+01	-6.862E-02	0.000E+00	0.000E+00
737	2	76.10	1	-1.404E+00	4.800E+03	-8.399E-13	4.641E-08	-6.046E+01	5.479E+05	-2.788E-02	-2.022E-05
737	3	152.20	1	-1.404E+00	-2.475E-12	-8.399E-13	4.641E-08	-6.046E+01	7.306E+05	-3.891E-02	-2.696E-05
737	4	228.30	1	-1.404E+00	-4.800E+03	-8.399E-13	4.641E-08	-6.046E+01	5.479E+05	-2.788E-02	-2.022E-05
737	5	304.40	1	-1.404E+00	-9.600E+03	-8.399E-13	4.641E-08	-6.046E+01	-6.862E-02	9.355E-10	-9.017E-13
738	1	0.00	1	4.476E+01	1.071E+04	-1.112E-12	4.694E-08	-8.316E+01	-1.004E-01	0.000E+00	0.000E+00
738	2	76.10	1	4.476E+01	5.356E+03	-1.112E-12	4.694E-08	-8.316E+01	6.113E+05	-3.111E-02	-2.781E-05
738	3	152.20	1	4.476E+01	-2.174E-11	-1.112E-12	4.694E-08	-8.316E+01	8.151E+05	-4.341E-02	-3.708E-05
738	4	228.30	1	4.476E+01	-5.356E+03	-1.112E-12	4.694E-08	-8.316E+01	6.113E+05	-3.111E-02	-2.781E-05
738	5	304.40	1	4.476E+01	-1.071E+04	-1.112E-12	4.694E-08	-8.316E+01	-1.004E-01	2.930E-09	7.338E-12
739	1	0.00	1	-3.952E+02	9.600E+03	-1.452E-12	4.848E-08	1.486E+02	1.758E-01	0.000E+00	0.000E+00
739	2	76.10	1	-3.952E+02	4.800E+03	-1.452E-12	4.848E-08	1.486E+02	5.479E+05	-2.788E-02	4.968E-05
739	3	152.20	1	-3.952E+02	-2.397E-12	-1.452E-12	4.848E-08	1.486E+02	7.306E+05	-3.891E-02	6.624E-05
739	4	228.30	1	-3.952E+02	-4.800E+03	-1.452E-12	4.848E-08	1.486E+02	5.479E+05	-2.788E-02	4.968E-05
739	5	304.40	1	-3.952E+02	-9.600E+03	-1.452E-12	4.848E-08	1.486E+02	1.758E-01	1.409E-09	9.715E-12
740	1	0.00	1	1.279E+03	7.378E+03	-1.902E-12	4.880E-08	-1.461E+03	-2.120E+01	0.000E+00	0.000E+00
740	2	76.10	1	1.279E+03	3.689E+03	-1.902E-12	4.880E-08	-1.461E+03	4.211E+05	-2.143E-02	-4.885E-04
740	3	152.20	1	1.279E+03	-3.034E-12	-1.902E-12	4.880E-08	-1.461E+03	5.614E+05	-2.990E-02	-6.514E-04
740	4	228.30	1	1.279E+03	-3.689E+03	-1.902E-12	4.880E-08	-1.461E+03	4.211E+05	-2.143E-02	-4.885E-04

740	5	304.40	1	1.279E+03	-7.378E+03	-1.902E-12	4.880E-08	-1.461E+03	-2.120E+01	4.214E-09	4.011E-11
741	1	0.00	1	1.300E+03	7.378E+03	6.460E-12	1.316E-08	1.391E+03	2.127E+01	0.000E+00	0.000E+00
741	2	76.10	1	1.300E+03	3.689E+03	6.460E-12	1.316E-08	1.391E+03	4.211E+05	-2.143E-02	4.650E-04
741	3	152.20	1	1.300E+03	-2.071E-11	6.460E-12	1.316E-08	1.391E+03	5.615E+05	-2.990E-02	6.201E-04
741	4	228.30	1	1.300E+03	-3.689E+03	6.460E-12	1.316E-08	1.391E+03	4.211E+05	-2.143E-02	4.650E-04
741	5	304.40	1	1.300E+03	-7.378E+03	6.460E-12	1.316E-08	1.391E+03	2.127E+01	2.115E-10	1.367E-10
742	1	0.00	1	-4.018E+02	9.600E+03	9.323E-12	1.628E-08	-2.737E+02	-3.182E-01	0.000E+00	0.000E+00
742	2	76.10	1	-4.018E+02	4.800E+03	9.323E-12	1.628E-08	-2.737E+02	5.479E+05	-2.788E-02	-9.153E-05
742	3	152.20	1	-4.018E+02	2.674E-11	9.323E-12	1.628E-08	-2.737E+02	7.306E+05	-3.891E-02	-1.220E-04
742	4	228.30	1	-4.018E+02	-4.800E+03	9.323E-12	1.628E-08	-2.737E+02	5.479E+05	-2.788E-02	-9.153E-05
742	5	304.40	1	-4.018E+02	-9.600E+03	9.323E-12	1.628E-08	-2.737E+02	-3.182E-01	1.719E-09	1.783E-12
743	1	0.00	1	4.570E+01	1.071E+04	1.491E-11	1.875E-08	-5.216E+01	-6.997E-02	0.000E+00	0.000E+00
743	2	76.10	1	4.570E+01	5.356E+03	1.491E-11	1.875E-08	-5.216E+01	6.113E+05	-3.111E-02	-1.744E-05
743	3	152.20	1	4.570E+01	-3.710E-11	1.491E-11	1.875E-08	-5.216E+01	8.151E+05	-4.341E-02	-2.326E-05
743	4	228.30	1	4.570E+01	-5.356E+03	1.491E-11	1.875E-08	-5.216E+01	6.113E+05	-3.111E-02	-1.744E-05
743	5	304.40	1	4.570E+01	-1.071E+04	1.491E-11	1.875E-08	-5.216E+01	-6.997E-02	8.664E-12	2.567E-12
744	1	0.00	1	-3.135E+00	9.600E+03	2.190E-11	2.047E-08	-6.029E+01	-6.863E-02	0.000E+00	0.000E+00
744	2	76.10	1	-3.135E+00	4.800E+03	2.190E-11	2.047E-08	-6.029E+01	5.479E+05	-2.788E-02	-2.016E-05
744	3	152.20	1	-3.135E+00	-2.905E-11	2.190E-11	2.047E-08	-6.029E+01	7.306E+05	-3.891E-02	-2.688E-05
744	4	228.30	1	-3.135E+00	-4.800E+03	2.190E-11	2.047E-08	-6.029E+01	5.479E+05	-2.788E-02	-2.016E-05
744	5	304.40	1	-3.135E+00	-9.600E+03	2.190E-11	2.047E-08	-6.029E+01	-6.863E-02	9.372E-10	-1.165E-12
745	1	0.00	1	2.767E+00	7.378E+03	3.056E-11	2.165E-08	-5.009E+01	-1.868E-01	0.000E+00	0.000E+00
745	2	76.10	1	2.767E+00	3.689E+03	3.056E-11	2.165E-08	-5.009E+01	4.211E+05	-2.143E-02	-1.675E-05
745	3	152.20	1	2.767E+00	2.138E-12	3.056E-11	2.165E-08	-5.009E+01	5.615E+05	-2.990E-02	-2.233E-05
745	4	228.30	1	2.767E+00	-3.689E+03	3.056E-11	2.165E-08	-5.009E+01	4.211E+05	-2.143E-02	-1.675E-05
745	5	304.40	1	2.767E+00	-7.378E+03	3.056E-11	2.165E-08	-5.009E+01	-1.868E-01	-3.630E-09	-4.282E-12
746	1	0.00	1	-3.255E+00	7.378E+03	6.538E-13	-7.204E-08	-4.973E+01	-1.916E-01	0.000E+00	0.000E+00
746	2	76.10	1	-3.255E+00	3.689E+03	6.538E-13	-7.204E-08	-4.973E+01	4.211E+05	-2.143E-02	-1.663E-05
746	3	152.20	1	-3.255E+00	-4.227E-12	6.538E-13	-7.204E-08	-4.973E+01	5.615E+05	-2.990E-02	-2.217E-05
746	4	228.30	1	-3.255E+00	-3.689E+03	6.538E-13	-7.204E-08	-4.973E+01	4.211E+05	-2.143E-02	-1.663E-05
746	5	304.40	1	-3.255E+00	-7.378E+03	6.538E-13	-7.204E-08	-4.973E+01	-1.916E-01	-2.684E-09	-1.359E-12
747	1	0.00	1	-1.376E+00	9.600E+03	8.571E-13	-7.344E-08	-6.045E+01	-6.862E-02	0.000E+00	0.000E+00
747	2	76.10	1	-1.376E+00	4.800E+03	8.571E-13	-7.344E-08	-6.045E+01	5.479E+05	-2.788E-02	-2.022E-05
747	3	152.20	1	-1.376E+00	-2.977E-11	8.571E-13	-7.344E-08	-6.045E+01	7.306E+05	-3.891E-02	-2.696E-05
747	4	228.30	1	-1.376E+00	-4.800E+03	8.571E-13	-7.344E-08	-6.045E+01	5.479E+05	-2.788E-02	-2.022E-05
747	5	304.40	1	-1.376E+00	-9.600E+03	8.571E-13	-7.344E-08	-6.045E+01	-6.862E-02	9.355E-10	-9.019E-13
748	1	0.00	1	4.421E+01	1.071E+04	1.141E-12	-7.349E-08	-8.297E+01	-1.002E-01	0.000E+00	0.000E+00
748	2	76.10	1	4.421E+01	5.356E+03	1.141E-12	-7.349E-08	-8.297E+01	6.113E+05	-3.111E-02	-2.775E-05
748	3	152.20	1	4.421E+01	3.405E-12	1.141E-12	-7.349E-08	-8.297E+01	8.151E+05	-4.341E-02	-3.700E-05
748	4	228.30	1	4.421E+01	-5.356E+03	1.141E-12	-7.349E-08	-8.297E+01	6.113E+05	-3.111E-02	-2.775E-05
748	5	304.40	1	4.421E+01	-1.071E+04	1.141E-12	-7.349E-08	-8.297E+01	-1.002E-01	2.930E-09	7.284E-12
749	1	0.00	1	-3.904E+02	9.600E+03	1.505E-12	-7.387E-08	1.460E+02	1.728E-01	0.000E+00	0.000E+00
749	2	76.10	1	-3.904E+02	4.800E+03	1.505E-12	-7.387E-08	1.460E+02	5.479E+05	-2.788E-02	4.882E-05
749	3	152.20	1	-3.904E+02	1.194E-11	1.505E-12	-7.387E-08	1.460E+02	7.306E+05	-3.891E-02	6.510E-05
749	4	228.30	1	-3.904E+02	-4.800E+03	1.505E-12	-7.387E-08	1.460E+02	5.479E+05	-2.788E-02	4.882E-05
749	5	304.40	1	-3.904E+02	-9.600E+03	1.505E-12	-7.387E-08	1.460E+02	1.728E-01	1.409E-09	1.007E-11
750	1	0.00	1	1.263E+03	7.378E+03	1.998E-12	-7.308E-08	-1.444E+03	-2.095E+01	0.000E+00	0.000E+00
750	2	76.10	1	1.263E+03	3.689E+03	1.998E-12	-7.308E-08	-1.444E+03	4.211E+05	-2.143E-02	-4.827E-04
750	3	152.20	1	1.263E+03	1.686E-11	1.998E-12	-7.308E-08	-1.444E+03	5.614E+05	-2.990E-02	-6.437E-04
750	4	228.30	1	1.263E+03	-3.689E+03	1.998E-12	-7.308E-08	-1.444E+03	4.211E+05	-2.143E-02	-4.827E-04
750	5	304.40	1	1.263E+03	-7.378E+03	1.998E-12	-7.308E-08	-1.444E+03	-2.095E+01	4.214E-09	3.723E-11
751	1	0.00	1	1.284E+03	7.378E+03	6.207E-12	4.386E-08	1.373E+03	2.100E+01	0.000E+00	0.000E+00
751	2	76.10	1	1.284E+03	3.689E+03	6.207E-12	4.386E-08	1.373E+03	4.211E+05	-2.143E-02	4.591E-04
751	3	152.20	1	1.284E+03	-2.527E-11	6.207E-12	4.386E-08	1.373E+03	5.615E+05	-2.990E-02	6.122E-04
751	4	228.30	1	1.284E+03	-3.689E+03	6.207E-12	4.386E-08	1.373E+03	4.211E+05	-2.143E-02	4.591E-04
751	5	304.40	1	1.284E+03	-7.378E+03	6.207E-12	4.386E-08	1.373E+03	2.100E+01	2.115E-10	1.331E-10
752	1	0.00	1	-3.969E+02	9.600E+03	6.939E-12	4.508E-08	-2.711E+02	-3.151E-01	0.000E+00	0.000E+00
752	2	76.10	1	-3.969E+02	4.800E+03	6.939E-12	4.508E-08	-2.711E+02	5.479E+05	-2.788E-02	-9.065E-05
752	3	152.20	1	-3.969E+02	2.814E-11	6.939E-12	4.508E-08	-2.711E+02	7.306E+05	-3.891E-02	-1.209E-04
752	4	228.30	1	-3.969E+02	-4.800E+03	6.939E-12	4.508E-08	-2.711E+02	5.479E+05	-2.788E-02	-9.065E-05
752	5	304.40	1	-3.969E+02	-9.600E+03	6.939E-12	4.508E-08	-2.711E+02	-3.151E-01	1.719E-09	2.475E-12
753	1	0.00	1	4.514E+01	1.071E+04	7.132E-12	4.557E-08	-5.236E+01	-7.016E-02	0.000E+00	0.000E+00

753	2	76.10	1	4.514E+01	5.356E+03	7.132E-12	4.557E-08	-5.236E+01	6.113E+05	-3.111E-02	-1.751E-05
753	3	152.20	1	4.514E+01	-6.070E-12	7.132E-12	4.557E-08	-5.236E+01	8.151E+05	-4.341E-02	-2.334E-05
753	4	228.30	1	4.514E+01	-5.356E+03	7.132E-12	4.557E-08	-5.236E+01	6.113E+05	-3.111E-02	-1.751E-05
753	5	304.40	1	4.514E+01	-1.071E+04	7.132E-12	4.557E-08	-5.236E+01	-7.016E-02	8.663E-12	2.542E-12
754	1	0.00	1	-3.107E+00	9.600E+03	7.529E-12	4.502E-08	-6.029E+01	-6.863E-02	0.000E+00	0.000E+00
754	2	76.10	1	-3.107E+00	4.800E+03	7.529E-12	4.502E-08	-6.029E+01	5.479E+05	-2.788E-02	-2.016E-05
754	3	152.20	1	-3.107E+00	5.056E-11	7.529E-12	4.502E-08	-6.029E+01	7.306E+05	-3.891E-02	-2.688E-05
754	4	228.30	1	-3.107E+00	-4.800E+03	7.529E-12	4.502E-08	-6.029E+01	5.479E+05	-2.788E-02	-2.016E-05
754	5	304.40	1	-3.107E+00	-9.600E+03	7.529E-12	4.502E-08	-6.029E+01	-6.863E-02	9.372E-10	-1.167E-12
755	1	0.00	1	2.770E+00	7.378E+03	8.415E-12	4.236E-08	-5.009E+01	-1.868E-01	0.000E+00	0.000E+00
755	2	76.10	1	2.770E+00	3.689E+03	8.415E-12	4.236E-08	-5.009E+01	4.211E+05	-2.143E-02	-1.675E-05
755	3	152.20	1	2.770E+00	-3.385E-12	8.415E-12	4.236E-08	-5.009E+01	5.615E+05	-2.990E-02	-2.233E-05
755	4	228.30	1	2.770E+00	-3.689E+03	8.415E-12	4.236E-08	-5.009E+01	4.211E+05	-2.143E-02	-1.675E-05
755	5	304.40	1	2.770E+00	-7.378E+03	8.415E-12	4.236E-08	-5.009E+01	-1.868E-01	-3.630E-09	-4.285E-12
756	1	0.00	1	-3.255E+00	7.378E+03	-4.128E-13	8.799E-09	-4.973E+01	-1.916E-01	0.000E+00	0.000E+00
756	2	76.10	1	-3.255E+00	3.689E+03	-4.128E-13	8.799E-09	-4.973E+01	4.211E+05	-2.143E-02	-1.663E-05
756	3	152.20	1	-3.255E+00	1.535E-11	-4.128E-13	8.799E-09	-4.973E+01	5.615E+05	-2.990E-02	-2.217E-05
756	4	228.30	1	-3.255E+00	-3.689E+03	-4.128E-13	8.799E-09	-4.973E+01	4.211E+05	-2.143E-02	-1.663E-05
756	5	304.40	1	-3.255E+00	-7.378E+03	-4.128E-13	8.799E-09	-4.973E+01	-1.916E-01	-2.684E-09	-1.359E-12
757	1	0.00	1	-1.376E+00	9.600E+03	-5.477E-13	5.891E-09	-6.045E+01	-6.862E-02	0.000E+00	0.000E+00
757	2	76.10	1	-1.376E+00	4.800E+03	-5.477E-13	5.891E-09	-6.045E+01	5.479E+05	-2.788E-02	-2.022E-05
757	3	152.20	1	-1.376E+00	-3.953E-11	-5.477E-13	5.891E-09	-6.045E+01	7.306E+05	-3.891E-02	-2.696E-05
757	4	228.30	1	-1.376E+00	-4.800E+03	-5.477E-13	5.891E-09	-6.045E+01	5.479E+05	-2.788E-02	-2.022E-05
757	5	304.40	1	-1.376E+00	-9.600E+03	-5.477E-13	5.891E-09	-6.045E+01	-6.862E-02	9.355E-10	-9.020E-13
758	1	0.00	1	4.421E+01	1.071E+04	-7.406E-13	2.999E-09	-8.297E+01	-1.002E-01	0.000E+00	0.000E+00
758	2	76.10	1	4.421E+01	5.356E+03	-7.406E-13	2.999E-09	-8.297E+01	6.113E+05	-3.111E-02	-2.775E-05
758	3	152.20	1	4.421E+01	2.213E-11	-7.406E-13	2.999E-09	-8.297E+01	8.151E+05	-4.341E-02	-3.700E-05
758	4	228.30	1	4.421E+01	-5.356E+03	-7.406E-13	2.999E-09	-8.297E+01	6.113E+05	-3.111E-02	-2.775E-05
758	5	304.40	1	4.421E+01	-1.071E+04	-7.406E-13	2.999E-09	-8.297E+01	-1.002E-01	2.930E-09	7.284E-12
759	1	0.00	1	-3.904E+02	9.600E+03	-1.035E-12	3.538E-10	1.460E+02	1.728E-01	0.000E+00	0.000E+00
759	2	76.10	1	-3.904E+02	4.800E+03	-1.035E-12	3.538E-10	1.460E+02	5.479E+05	-2.788E-02	4.882E-05
759	3	152.20	1	-3.904E+02	2.341E-11	-1.035E-12	3.538E-10	1.460E+02	7.306E+05	-3.891E-02	6.510E-05
759	4	228.30	1	-3.904E+02	-4.800E+03	-1.035E-12	3.538E-10	1.460E+02	5.479E+05	-2.788E-02	4.882E-05
759	5	304.40	1	-3.904E+02	-9.600E+03	-1.035E-12	3.538E-10	1.460E+02	1.728E-01	1.409E-09	1.007E-11
760	1	0.00	1	1.263E+03	7.378E+03	-1.415E-12	-2.655E-09	-1.444E+03	-2.095E+01	0.000E+00	0.000E+00
760	2	76.10	1	1.263E+03	3.689E+03	-1.415E-12	-2.655E-09	-1.444E+03	4.211E+05	-2.143E-02	-4.827E-04
760	3	152.20	1	1.263E+03	1.621E-12	-1.415E-12	-2.655E-09	-1.444E+03	5.614E+05	-2.990E-02	-6.437E-04
760	4	228.30	1	1.263E+03	-3.689E+03	-1.415E-12	-2.655E-09	-1.444E+03	4.211E+05	-2.143E-02	-4.827E-04
760	5	304.40	1	1.263E+03	-7.378E+03	-1.415E-12	-2.655E-09	-1.444E+03	-2.095E+01	4.214E-09	3.723E-11
761	1	0.00	1	1.284E+03	7.378E+03	1.930E-12	-1.157E-08	1.373E+03	2.100E+01	0.000E+00	0.000E+00
761	2	76.10	1	1.284E+03	3.689E+03	1.930E-12	-1.157E-08	1.373E+03	4.211E+05	-2.143E-02	4.591E-04
761	3	152.20	1	1.284E+03	1.854E-11	1.930E-12	-1.157E-08	1.373E+03	5.615E+05	-2.990E-02	6.122E-04
761	4	228.30	1	1.284E+03	-3.689E+03	1.930E-12	-1.157E-08	1.373E+03	4.211E+05	-2.143E-02	4.591E-04
761	5	304.40	1	1.284E+03	-7.378E+03	1.930E-12	-1.157E-08	1.373E+03	2.100E+01	2.115E-10	1.331E-10
762	1	0.00	1	-3.969E+02	9.600E+03	2.637E-12	-1.076E-08	-2.711E+02	-3.151E-01	0.000E+00	0.000E+00
762	2	76.10	1	-3.969E+02	4.800E+03	2.637E-12	-1.076E-08	-2.711E+02	5.479E+05	-2.788E-02	-9.065E-05
762	3	152.20	1	-3.969E+02	4.155E-11	2.637E-12	-1.076E-08	-2.711E+02	7.306E+05	-3.891E-02	-1.209E-04
762	4	228.30	1	-3.969E+02	-4.800E+03	2.637E-12	-1.076E-08	-2.711E+02	5.479E+05	-2.788E-02	-9.065E-05
762	5	304.40	1	-3.969E+02	-9.600E+03	2.637E-12	-1.076E-08	-2.711E+02	-3.151E-01	1.719E-09	2.475E-12
763	1	0.00	1	4.514E+01	1.071E+04	4.206E-12	-9.433E-09	-5.236E+01	-7.016E-02	0.000E+00	0.000E+00
763	2	76.10	1	4.514E+01	5.356E+03	4.206E-12	-9.433E-09	-5.236E+01	6.113E+05	-3.111E-02	-1.751E-05
763	3	152.20	1	4.514E+01	4.709E-13	4.206E-12	-9.433E-09	-5.236E+01	8.151E+05	-4.341E-02	-2.334E-05
763	4	228.30	1	4.514E+01	-5.356E+03	4.206E-12	-9.433E-09	-5.236E+01	6.113E+05	-3.111E-02	-1.751E-05
763	5	304.40	1	4.514E+01	-1.071E+04	4.206E-12	-9.433E-09	-5.236E+01	-7.016E-02	8.665E-12	2.541E-12
764	1	0.00	1	-3.107E+00	9.600E+03	6.331E-12	-9.773E-09	-6.029E+01	-6.863E-02	0.000E+00	0.000E+00
764	2	76.10	1	-3.107E+00	4.800E+03	6.331E-12	-9.773E-09	-6.029E+01	5.479E+05	-2.788E-02	-2.016E-05
764	3	152.20	1	-3.107E+00	-6.911E-12	6.331E-12	-9.773E-09	-6.029E+01	7.306E+05	-3.891E-02	-2.688E-05
764	4	228.30	1	-3.107E+00	-4.800E+03	6.331E-12	-9.773E-09	-6.029E+01	5.479E+05	-2.788E-02	-2.016E-05
764	5	304.40	1	-3.107E+00	-9.600E+03	6.331E-12	-9.773E-09	-6.029E+01	-6.863E-02	9.372E-10	-1.167E-12
765	1	0.00	1	2.770E+00	7.378E+03	8.906E-12	-1.217E-08	-5.009E+01	-1.868E-01	0.000E+00	0.000E+00
765	2	76.10	1	2.770E+00	3.689E+03	8.906E-12	-1.217E-08	-5.009E+01	4.211E+05	-2.143E-02	-1.675E-05
765	3	152.20	1	2.770E+00	1.978E-11	8.906E-12	-1.217E-08	-5.009E+01	5.615E+05	-2.990E-02	-2.233E-05

765	4	228.30	1	2.770E+00	-3.689E+03	8.906E-12	-1.217E-08	-5.009E+01	4.211E+05	-2.143E-02	-1.675E-05
765	5	304.40	1	2.770E+00	-7.378E+03	8.906E-12	-1.217E-08	-5.009E+01	-1.868E-01	-3.630E-09	-4.285E-12
766	1	0.00	1	-3.255E+00	7.378E+03	-1.369E-11	3.552E-09	-4.973E+01	-1.916E-01	0.000E+00	0.000E+00
766	2	76.10	1	-3.255E+00	3.689E+03	-1.369E-11	3.552E-09	-4.973E+01	4.211E+05	-2.143E-02	-1.663E-05
766	3	152.20	1	-3.255E+00	-1.339E-11	-1.369E-11	3.552E-09	-4.973E+01	5.615E+05	-2.990E-02	-2.217E-05
766	4	228.30	1	-3.255E+00	-3.689E+03	-1.369E-11	3.552E-09	-4.973E+01	4.211E+05	-2.143E-02	-1.663E-05
766	5	304.40	1	-3.255E+00	-7.378E+03	-1.369E-11	3.552E-09	-4.973E+01	-1.916E-01	-2.684E-09	-1.360E-12
767	1	0.00	1	-1.376E+00	9.600E+03	-1.595E-11	-4.311E-10	-6.045E+01	-6.862E-02	0.000E+00	0.000E+00
767	2	76.10	1	-1.376E+00	4.800E+03	-1.595E-11	-4.311E-10	-6.045E+01	5.479E+05	-2.788E-02	-2.022E-05
767	3	152.20	1	-1.376E+00	2.152E-11	-1.595E-11	-4.311E-10	-6.045E+01	7.306E+05	-3.891E-02	-2.696E-05
767	4	228.30	1	-1.376E+00	-4.800E+03	-1.595E-11	-4.311E-10	-6.045E+01	5.479E+05	-2.788E-02	-2.022E-05
767	5	304.40	1	-1.376E+00	-9.600E+03	-1.595E-11	-4.311E-10	-6.045E+01	-6.862E-02	9.355E-10	-9.034E-13
768	1	0.00	1	4.421E+01	1.071E+04	-1.690E-11	-3.024E-09	-8.297E+01	-1.002E-01	0.000E+00	0.000E+00
768	2	76.10	1	4.421E+01	5.356E+03	-1.690E-11	-3.024E-09	-8.297E+01	6.113E+05	-3.111E-02	-2.775E-05
768	3	152.20	1	4.421E+01	-2.002E-11	-1.690E-11	-3.024E-09	-8.297E+01	8.151E+05	-4.341E-02	-3.700E-05
768	4	228.30	1	4.421E+01	-5.356E+03	-1.690E-11	-3.024E-09	-8.297E+01	6.113E+05	-3.111E-02	-2.775E-05
768	5	304.40	1	4.421E+01	-1.071E+04	-1.690E-11	-3.024E-09	-8.297E+01	-1.002E-01	2.930E-09	7.283E-12
769	1	0.00	1	-3.904E+02	9.600E+03	-1.643E-11	-3.754E-09	1.460E+02	1.728E-01	0.000E+00	0.000E+00
769	2	76.10	1	-3.904E+02	4.800E+03	-1.643E-11	-3.754E-09	1.460E+02	5.479E+05	-2.788E-02	4.882E-05
769	3	152.20	1	-3.904E+02	-3.420E-11	-1.643E-11	-3.754E-09	1.460E+02	7.306E+05	-3.891E-02	6.510E-05
769	4	228.30	1	-3.904E+02	-4.800E+03	-1.643E-11	-3.754E-09	1.460E+02	5.479E+05	-2.788E-02	4.882E-05
769	5	304.40	1	-3.904E+02	-9.600E+03	-1.643E-11	-3.754E-09	1.460E+02	1.728E-01	1.409E-09	1.007E-11
770	1	0.00	1	1.263E+03	7.378E+03	-1.448E-11	-3.380E-09	-1.444E+03	-2.095E+01	0.000E+00	0.000E+00
770	2	76.10	1	1.263E+03	3.689E+03	-1.448E-11	-3.380E-09	-1.444E+03	4.211E+05	-2.143E-02	-4.827E-04
770	3	152.20	1	1.263E+03	3.578E-12	-1.448E-11	-3.380E-09	-1.444E+03	5.614E+05	-2.990E-02	-6.437E-04
770	4	228.30	1	1.263E+03	-3.689E+03	-1.448E-11	-3.380E-09	-1.444E+03	4.211E+05	-2.143E-02	-4.827E-04
770	5	304.40	1	1.263E+03	-7.378E+03	-1.448E-11	-3.380E-09	-1.444E+03	-2.095E+01	4.214E-09	3.723E-11
771	1	0.00	1	1.284E+03	7.378E+03	-3.284E-12	5.719E-08	1.373E+03	2.100E+01	0.000E+00	0.000E+00
771	2	76.10	1	1.284E+03	3.689E+03	-3.284E-12	5.719E-08	1.373E+03	4.211E+05	-2.143E-02	4.591E-04
771	3	152.20	1	1.284E+03	-3.531E-12	-3.284E-12	5.719E-08	1.373E+03	5.615E+05	-2.990E-02	6.122E-04
771	4	228.30	1	1.284E+03	-3.689E+03	-3.284E-12	5.719E-08	1.373E+03	4.211E+05	-2.143E-02	4.591E-04
771	5	304.40	1	1.284E+03	-7.378E+03	-3.284E-12	5.719E-08	1.373E+03	2.100E+01	2.115E-10	1.331E-10
772	1	0.00	1	-3.969E+02	9.600E+03	-4.296E-12	5.457E-08	-2.711E+02	-3.151E-01	0.000E+00	0.000E+00
772	2	76.10	1	-3.969E+02	4.800E+03	-4.296E-12	5.457E-08	-2.711E+02	5.479E+05	-2.788E-02	-9.065E-05
772	3	152.20	1	-3.969E+02	-1.151E-11	-4.296E-12	5.457E-08	-2.711E+02	7.306E+05	-3.891E-02	-1.209E-04
772	4	228.30	1	-3.969E+02	-4.800E+03	-4.296E-12	5.457E-08	-2.711E+02	5.479E+05	-2.788E-02	-9.065E-05
772	5	304.40	1	-3.969E+02	-9.600E+03	-4.296E-12	5.457E-08	-2.711E+02	-3.151E-01	1.719E-09	2.474E-12
773	1	0.00	1	4.514E+01	1.071E+04	-4.741E-12	5.000E-08	-5.236E+01	-7.016E-02	0.000E+00	0.000E+00
773	2	76.10	1	4.514E+01	5.356E+03	-4.741E-12	5.000E-08	-5.236E+01	6.113E+05	-3.111E-02	-1.751E-05
773	3	152.20	1	4.514E+01	2.933E-11	-4.741E-12	5.000E-08	-5.236E+01	8.151E+05	-4.341E-02	-2.334E-05
773	4	228.30	1	4.514E+01	-5.356E+03	-4.741E-12	5.000E-08	-5.236E+01	6.113E+05	-3.111E-02	-1.751E-05
773	5	304.40	1	4.514E+01	-1.071E+04	-4.741E-12	5.000E-08	-5.236E+01	-7.016E-02	8.665E-12	2.541E-12
774	1	0.00	1	-3.107E+00	9.600E+03	-4.588E-12	4.544E-08	-6.029E+01	-6.863E-02	0.000E+00	0.000E+00
774	2	76.10	1	-3.107E+00	4.800E+03	-4.588E-12	4.544E-08	-6.029E+01	5.479E+05	-2.788E-02	-2.016E-05
774	3	152.20	1	-3.107E+00	-1.183E-11	-4.588E-12	4.544E-08	-6.029E+01	7.306E+05	-3.891E-02	-2.688E-05
774	4	228.30	1	-3.107E+00	-4.800E+03	-4.588E-12	4.544E-08	-6.029E+01	5.479E+05	-2.788E-02	-2.016E-05
774	5	304.40	1	-3.107E+00	-9.600E+03	-4.588E-12	4.544E-08	-6.029E+01	-6.863E-02	9.372E-10	-1.168E-12
775	1	0.00	1	2.770E+00	7.378E+03	-3.907E-12	4.264E-08	-5.009E+01	-1.868E-01	0.000E+00	0.000E+00
775	2	76.10	1	2.770E+00	3.689E+03	-3.907E-12	4.264E-08	-5.009E+01	4.211E+05	-2.143E-02	-1.675E-05
775	3	152.20	1	2.770E+00	-1.273E-11	-3.907E-12	4.264E-08	-5.009E+01	5.615E+05	-2.990E-02	-2.233E-05
775	4	228.30	1	2.770E+00	-3.689E+03	-3.907E-12	4.264E-08	-5.009E+01	4.211E+05	-2.143E-02	-1.675E-05
775	5	304.40	1	2.770E+00	-7.378E+03	-3.907E-12	4.264E-08	-5.009E+01	-1.868E-01	-3.630E-09	-4.286E-12
776	1	0.00	1	-3.014E+00	7.378E+03	-1.415E-12	-5.391E-08	-4.991E+01	-1.892E-01	0.000E+00	0.000E+00
776	2	76.10	1	-3.014E+00	3.689E+03	-1.415E-12	-5.391E-08	-4.991E+01	4.211E+05	-2.143E-02	-1.669E-05
776	3	152.20	1	-3.014E+00	6.661E-12	-1.415E-12	-5.391E-08	-4.991E+01	5.615E+05	-2.990E-02	-2.225E-05
776	4	228.30	1	-3.014E+00	-3.689E+03	-1.415E-12	-5.391E-08	-4.991E+01	4.211E+05	-2.143E-02	-1.669E-05
776	5	304.40	1	-3.014E+00	-7.378E+03	-1.415E-12	-5.391E-08	-4.991E+01	-1.892E-01	-3.126E-09	4.260E-12
777	1	0.00	1	8.561E-01	9.600E+03	-9.684E-13	-5.914E-08	-6.037E+01	-6.863E-02	0.000E+00	0.000E+00
777	2	76.10	1	8.561E-01	4.800E+03	-9.684E-13	-5.914E-08	-6.037E+01	5.479E+05	-2.788E-02	-2.019E-05
777	3	152.20	1	8.561E-01	-3.528E-11	-9.684E-13	-5.914E-08	-6.037E+01	7.306E+05	-3.891E-02	-2.692E-05
777	4	228.30	1	8.561E-01	-4.800E+03	-9.684E-13	-5.914E-08	-6.037E+01	5.479E+05	-2.788E-02	-2.019E-05
777	5	304.40	1	8.561E-01	-9.600E+03	-9.684E-13	-5.914E-08	-6.037E+01	-6.863E-02	9.364E-10	1.096E-12

778	1	0.00	1	-2.811E-01	1.071E+04	-4.427E-13	-6.406E-08	-6.773E+01	-8.523E-02	0.000E+00	0.000E+00
778	2	76.10	1	-2.811E-01	5.356E+03	-4.427E-13	-6.406E-08	-6.773E+01	6.113E+05	-3.111E-02	-2.265E-05
778	3	152.20	1	-2.811E-01	-2.151E-11	-4.427E-13	-6.406E-08	-6.773E+01	8.151E+05	-4.341E-02	-3.020E-05
778	4	228.30	1	-2.811E-01	-5.356E+03	-4.427E-13	-6.406E-08	-6.773E+01	6.113E+05	-3.111E-02	-2.265E-05
778	5	304.40	1	-2.811E-01	-1.071E+04	-4.427E-13	-6.406E-08	-6.773E+01	-8.523E-02	1.945E-09	6.492E-12
779	1	0.00	1	1.635E+00	9.600E+03	3.150E-14	-6.727E-08	-6.169E+01	-7.016E-02	0.000E+00	0.000E+00
779	2	76.10	1	1.635E+00	4.800E+03	3.150E-14	-6.727E-08	-6.169E+01	5.479E+05	-2.788E-02	-2.063E-05
779	3	152.20	1	1.635E+00	-1.029E-11	3.150E-14	-6.727E-08	-6.169E+01	7.306E+05	-3.891E-02	-2.750E-05
779	4	228.30	1	1.635E+00	-4.800E+03	3.150E-14	-6.727E-08	-6.169E+01	5.479E+05	-2.788E-02	-2.063E-05
779	5	304.40	1	1.635E+00	-9.600E+03	3.150E-14	-6.727E-08	-6.169E+01	-7.016E-02	1.144E-09	-5.902E-13
780	1	0.00	1	-4.999E+00	7.378E+03	5.901E-13	-6.790E-08	-4.105E+01	-5.725E-02	0.000E+00	0.000E+00
780	2	76.10	1	-4.999E+00	3.689E+03	5.901E-13	-6.790E-08	-4.105E+01	4.211E+05	-2.143E-02	-1.373E-05
780	3	152.20	1	-4.999E+00	2.826E-12	5.901E-13	-6.790E-08	-4.105E+01	5.615E+05	-2.990E-02	-1.830E-05
780	4	228.30	1	-4.999E+00	-3.689E+03	5.901E-13	-6.790E-08	-4.105E+01	4.211E+05	-2.143E-02	-1.373E-05
780	5	304.40	1	-4.999E+00	-7.378E+03	5.901E-13	-6.790E-08	-4.105E+01	-5.725E-02	2.786E-09	-1.345E-12
1001	1	0.00	1	-4.677E+04	3.099E-10	-7.982E+01	0.000E+00	-2.802E+03	-9.917E-09	0.000E+00	0.000E+00
1001	2	8.77	1	-4.672E+04	3.099E-10	-7.982E+01	0.000E+00	-2.101E+03	-7.198E-09	6.995E-18	-2.261E-06
1001	3	17.54	1	-4.667E+04	3.099E-10	-7.982E+01	0.000E+00	-1.401E+03	-4.478E-09	7.757E-18	-2.584E-06
1001	4	26.31	1	-4.662E+04	3.099E-10	-7.982E+01	0.000E+00	-7.004E+02	-1.759E-09	4.640E-18	-1.615E-06
1001	5	35.08	1	-4.657E+04	3.099E-10	-7.982E+01	0.000E+00	-1.208E-12	9.607E-10	-1.933E-24	-4.933E-13
1002	1	0.00	1	-4.677E+04	2.419E-10	7.982E+01	0.000E+00	2.802E+03	-7.720E-09	0.000E+00	0.000E+00
1002	2	8.77	1	-4.672E+04	2.419E-10	7.982E+01	0.000E+00	2.101E+03	-5.597E-09	5.421E-18	2.261E-06
1002	3	17.54	1	-4.667E+04	2.419E-10	7.982E+01	0.000E+00	1.401E+03	-3.474E-09	6.011E-18	2.584E-06
1002	4	26.31	1	-4.662E+04	2.419E-10	7.982E+01	0.000E+00	7.004E+02	-1.351E-09	3.596E-18	1.615E-06
1002	5	35.08	1	-4.657E+04	2.419E-10	7.982E+01	0.000E+00	9.948E-14	7.718E-10	-2.862E-25	4.933E-13
1003	1	0.00	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1003	2	1.98	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1003	3	3.96	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1003	4	5.94	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1003	5	7.92	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1004	1	0.00	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1004	2	1.98	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1004	3	3.96	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1004	4	5.94	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1004	5	7.92	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1005	1	0.00	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1005	2	2.02	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1005	3	4.04	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1005	4	6.06	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1005	5	8.08	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1006	1	0.00	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1006	2	2.02	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1006	3	4.04	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1006	4	6.06	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1006	5	8.08	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1007	1	0.00	1	-4.662E+04	-1.999E-10	1.232E+04	0.000E+00	9.730E+04	1.135E-09	0.000E+00	0.000E+00
1007	2	1.98	1	-4.661E+04	-1.999E-10	1.232E+04	0.000E+00	7.297E+04	7.403E-10	0.000E+00	3.977E-06
1007	3	3.96	1	-4.660E+04	-1.999E-10	1.232E+04	0.000E+00	4.865E+04	3.456E-10	0.000E+00	4.545E-06
1007	4	5.94	1	-4.659E+04	-1.999E-10	1.232E+04	0.000E+00	2.432E+04	-4.913E-11	0.000E+00	2.841E-06
1007	5	7.92	1	-4.657E+04	-1.999E-10	1.232E+04	0.000E+00	2.001E-09	-4.439E-10	0.000E+00	-1.058E-13
1008	1	0.00	1	-4.662E+04	4.479E-11	-1.232E+04	0.000E+00	-9.730E+04	-7.685E-10	0.000E+00	0.000E+00
1008	2	1.98	1	-4.661E+04	4.479E-11	-1.232E+04	0.000E+00	-7.297E+04	-6.801E-10	0.000E+00	-3.977E-06
1008	3	3.96	1	-4.660E+04	4.479E-11	-1.232E+04	0.000E+00	-4.865E+04	-5.916E-10	0.000E+00	-4.545E-06
1008	4	5.94	1	-4.659E+04	4.479E-11	-1.232E+04	0.000E+00	-2.432E+04	-5.031E-10	0.000E+00	-2.841E-06
1008	5	7.92	1	-4.657E+04	4.479E-11	-1.232E+04	0.000E+00	-2.060E-09	-4.147E-10	0.000E+00	1.058E-13
1009	1	0.00	1	-4.662E+04	5.014E-11	1.257E+04	0.000E+00	1.019E+05	-3.720E-10	0.000E+00	0.000E+00
1009	2	2.02	1	-4.661E+04	5.014E-11	1.257E+04	0.000E+00	7.639E+04	-2.705E-10	0.000E+00	4.377E-06
1009	3	4.04	1	-4.660E+04	5.014E-11	1.257E+04	0.000E+00	5.093E+04	-1.689E-10	0.000E+00	5.002E-06
1009	4	6.06	1	-4.659E+04	5.014E-11	1.257E+04	0.000E+00	2.546E+04	-6.741E-11	0.000E+00	3.126E-06
1009	5	8.08	1	-4.657E+04	5.014E-11	1.257E+04	0.000E+00	1.069E-10	3.412E-11	0.000E+00	-2.209E-12
1010	1	0.00	1	-4.662E+04	-6.025E-11	-1.257E+04	0.000E+00	-1.019E+05	5.111E-10	0.000E+00	0.000E+00
1010	2	2.02	1	-4.661E+04	-6.025E-11	-1.257E+04	0.000E+00	-7.639E+04	3.891E-10	0.000E+00	-4.377E-06

1010	3	4.04	1	-4.660E+04	-6.025E-11	-1.257E+04	0.000E+00	-5.093E+04	2.671E-10	0.000E+00	-5.002E-06
1010	4	6.06	1	-4.659E+04	-6.025E-11	-1.257E+04	0.000E+00	-2.546E+04	1.451E-10	0.000E+00	-3.126E-06
1010	5	8.08	1	-4.657E+04	-6.025E-11	-1.257E+04	0.000E+00	-2.974E-10	2.308E-11	0.000E+00	2.209E-12
1011	1	0.00	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1011	2	1.98	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1011	3	3.96	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1011	4	5.94	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1011	5	7.92	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1012	1	0.00	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1012	2	1.98	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1012	3	3.96	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1012	4	5.94	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1012	5	7.92	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1013	1	0.00	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1013	2	2.02	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1013	3	4.04	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1013	4	6.06	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1013	5	8.08	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1014	1	0.00	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1014	2	2.02	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1014	3	4.04	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1014	4	6.06	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1014	5	8.08	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1015	1	0.00	1	-4.662E+04	1.762E-10	1.232E+04	0.000E+00	9.730E+04	-1.815E-09	0.000E+00	0.000E+00
1015	2	1.98	1	-4.661E+04	1.762E-10	1.232E+04	0.000E+00	7.297E+04	-1.467E-09	0.000E+00	3.977E-06
1015	3	3.96	1	-4.660E+04	1.762E-10	1.232E+04	0.000E+00	4.865E+04	-1.119E-09	0.000E+00	4.545E-06
1015	4	5.94	1	-4.659E+04	1.762E-10	1.232E+04	0.000E+00	2.432E+04	-7.713E-10	0.000E+00	2.841E-06
1015	5	7.92	1	-4.657E+04	1.762E-10	1.232E+04	0.000E+00	2.255E-09	-4.233E-10	0.000E+00	-1.057E-13
1016	1	0.00	1	-4.662E+04	4.991E-11	-1.232E+04	0.000E+00	-9.730E+04	-8.349E-10	0.000E+00	0.000E+00
1016	2	1.98	1	-4.661E+04	4.991E-11	-1.232E+04	0.000E+00	-7.297E+04	-7.363E-10	0.000E+00	-3.977E-06
1016	3	3.96	1	-4.660E+04	4.991E-11	-1.232E+04	0.000E+00	-4.865E+04	-6.378E-10	0.000E+00	-4.545E-06
1016	4	5.94	1	-4.659E+04	4.991E-11	-1.232E+04	0.000E+00	-2.432E+04	-5.392E-10	0.000E+00	-2.841E-06
1016	5	7.92	1	-4.657E+04	4.991E-11	-1.232E+04	0.000E+00	-2.283E-09	-4.406E-10	0.000E+00	1.057E-13
1017	1	0.00	1	-4.662E+04	-1.241E-10	1.257E+04	0.000E+00	1.019E+05	1.237E-09	0.000E+00	0.000E+00
1017	2	2.02	1	-4.661E+04	-1.241E-10	1.257E+04	0.000E+00	7.639E+04	9.855E-10	0.000E+00	4.377E-06
1017	3	4.04	1	-4.660E+04	-1.241E-10	1.257E+04	0.000E+00	5.093E+04	7.341E-10	0.000E+00	5.002E-06
1017	4	6.06	1	-4.659E+04	-1.241E-10	1.257E+04	0.000E+00	2.546E+04	4.827E-10	0.000E+00	3.126E-06
1017	5	8.08	1	-4.657E+04	-1.241E-10	1.257E+04	0.000E+00	1.320E-09	2.313E-10	0.000E+00	-2.209E-12
1018	1	0.00	1	-4.662E+04	1.181E-10	-1.257E+04	0.000E+00	-1.019E+05	-7.267E-10	0.000E+00	0.000E+00
1018	2	2.02	1	-4.661E+04	1.181E-10	-1.257E+04	0.000E+00	-7.639E+04	-4.875E-10	0.000E+00	-4.377E-06
1018	3	4.04	1	-4.660E+04	1.181E-10	-1.257E+04	0.000E+00	-5.093E+04	-2.483E-10	0.000E+00	-5.002E-06
1018	4	6.06	1	-4.659E+04	1.181E-10	-1.257E+04	0.000E+00	-2.546E+04	-9.103E-12	0.000E+00	-3.126E-06
1018	5	8.08	1	-4.657E+04	1.181E-10	-1.257E+04	0.000E+00	-1.092E-09	2.301E-10	0.000E+00	2.209E-12
1019	1	0.00	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1019	2	1.98	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1019	3	3.96	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1019	4	5.94	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1019	5	7.92	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1020	1	0.00	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1020	2	1.98	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1020	3	3.96	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1020	4	5.94	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1020	5	7.92	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1021	1	0.00	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1021	2	2.02	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1021	3	4.04	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1021	4	6.06	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1021	5	8.08	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1022	1	0.00	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1022	2	2.02	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1022	3	4.04	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1022	4	6.06	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

1022	5	8.08	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1023	1	0.00	1	-4.662E+04	-7.515E-11	1.232E+04	0.000E+00	9.730E+04	7.021E-10	0.000E+00	0.000E+00
1023	2	1.98	1	-4.661E+04	-7.515E-11	1.232E+04	0.000E+00	7.297E+04	5.537E-10	0.000E+00	3.977E-06
1023	3	3.96	1	-4.660E+04	-7.515E-11	1.232E+04	0.000E+00	4.865E+04	4.053E-10	0.000E+00	4.545E-06
1023	4	5.94	1	-4.659E+04	-7.515E-11	1.232E+04	0.000E+00	2.432E+04	2.569E-10	0.000E+00	2.841E-06
1023	5	7.92	1	-4.657E+04	-7.515E-11	1.232E+04	0.000E+00	-5.664E-10	1.085E-10	0.000E+00	-1.057E-13
1024	1	0.00	1	-4.662E+04	-2.444E-11	-1.232E+04	0.000E+00	-9.730E+04	2.592E-10	0.000E+00	0.000E+00
1024	2	1.98	1	-4.661E+04	-2.444E-11	-1.232E+04	0.000E+00	-7.297E+04	2.109E-10	0.000E+00	-3.977E-06
1024	3	3.96	1	-4.660E+04	-2.444E-11	-1.232E+04	0.000E+00	-4.865E+04	1.627E-10	0.000E+00	-4.545E-06
1024	4	5.94	1	-4.659E+04	-2.444E-11	-1.232E+04	0.000E+00	-2.432E+04	1.144E-10	0.000E+00	-2.841E-06
1024	5	7.92	1	-4.657E+04	-2.444E-11	-1.232E+04	0.000E+00	6.246E-10	6.611E-11	0.000E+00	1.057E-13
1025	1	0.00	1	-4.662E+04	-9.743E-11	1.257E+04	0.000E+00	1.019E+05	8.959E-10	0.000E+00	0.000E+00
1025	2	2.02	1	-4.661E+04	-9.743E-11	1.257E+04	0.000E+00	7.639E+04	6.986E-10	0.000E+00	4.377E-06
1025	3	4.04	1	-4.660E+04	-9.743E-11	1.257E+04	0.000E+00	5.093E+04	5.013E-10	0.000E+00	5.002E-06
1025	4	6.06	1	-4.659E+04	-9.743E-11	1.257E+04	0.000E+00	2.546E+04	3.040E-10	0.000E+00	3.126E-06
1025	5	8.08	1	-4.657E+04	-9.743E-11	1.257E+04	0.000E+00	2.010E-10	1.067E-10	0.000E+00	-2.209E-12
1026	1	0.00	1	-4.662E+04	7.537E-11	-1.257E+04	0.000E+00	-1.019E+05	-5.957E-10	0.000E+00	0.000E+00
1026	2	2.02	1	-4.661E+04	7.537E-11	-1.257E+04	0.000E+00	-7.639E+04	-4.431E-10	0.000E+00	-4.377E-06
1026	3	4.04	1	-4.660E+04	7.537E-11	-1.257E+04	0.000E+00	-5.093E+04	-2.905E-10	0.000E+00	-5.002E-06
1026	4	6.06	1	-4.659E+04	7.537E-11	-1.257E+04	0.000E+00	-2.546E+04	-1.378E-10	0.000E+00	-3.126E-06
1026	5	8.08	1	-4.657E+04	7.537E-11	-1.257E+04	0.000E+00	1.191E-10	1.481E-11	0.000E+00	2.209E-12
1027	1	0.00	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1027	2	1.98	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1027	3	3.96	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1027	4	5.94	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1027	5	7.92	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1028	1	0.00	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1028	2	1.98	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1028	3	3.96	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1028	4	5.94	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1028	5	7.92	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1029	1	0.00	1	-4.717E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1029	2	2.02	1	-4.717E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1029	3	4.04	1	-4.717E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1029	4	6.06	1	-4.717E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1029	5	8.08	1	-4.717E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1030	1	0.00	1	-4.717E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1030	2	2.02	1	-4.717E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1030	3	4.04	1	-4.717E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1030	4	6.06	1	-4.717E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1030	5	8.08	1	-4.717E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1031	1	0.00	1	-4.722E+04	1.137E-12	1.247E+04	0.000E+00	9.851E+04	-4.202E-10	0.000E+00	0.000E+00
1031	2	1.98	1	-4.721E+04	1.137E-12	1.247E+04	0.000E+00	7.388E+04	-4.179E-10	0.000E+00	4.027E-06
1031	3	3.96	1	-4.720E+04	1.137E-12	1.247E+04	0.000E+00	4.925E+04	-4.157E-10	0.000E+00	4.602E-06
1031	4	5.94	1	-4.719E+04	1.137E-12	1.247E+04	0.000E+00	2.463E+04	-4.135E-10	0.000E+00	2.876E-06
1031	5	7.92	1	-4.717E+04	1.137E-12	1.247E+04	0.000E+00	2.467E-09	-4.112E-10	0.000E+00	-8.659E-14
1032	1	0.00	1	-4.722E+04	-2.274E-13	-1.247E+04	0.000E+00	-9.851E+04	-4.129E-10	0.000E+00	0.000E+00
1032	2	1.98	1	-4.721E+04	-2.274E-13	-1.247E+04	0.000E+00	-7.388E+04	-4.134E-10	0.000E+00	-4.027E-06
1032	3	3.96	1	-4.720E+04	-2.274E-13	-1.247E+04	0.000E+00	-4.925E+04	-4.138E-10	0.000E+00	-4.602E-06
1032	4	5.94	1	-4.719E+04	-2.274E-13	-1.247E+04	0.000E+00	-2.463E+04	-4.143E-10	0.000E+00	-2.876E-06
1032	5	7.92	1	-4.717E+04	-2.274E-13	-1.247E+04	0.000E+00	-2.281E-09	-4.147E-10	0.000E+00	8.659E-14
1033	1	0.00	1	-4.722E+04	-1.048E-10	1.273E+04	0.000E+00	1.031E+05	8.677E-10	0.000E+00	0.000E+00
1033	2	2.02	1	-4.721E+04	-1.048E-10	1.273E+04	0.000E+00	7.734E+04	6.554E-10	0.000E+00	4.431E-06
1033	3	4.04	1	-4.720E+04	-1.048E-10	1.273E+04	0.000E+00	5.156E+04	4.431E-10	0.000E+00	5.064E-06
1033	4	6.06	1	-4.719E+04	-1.048E-10	1.273E+04	0.000E+00	2.578E+04	2.309E-10	0.000E+00	3.165E-06
1033	5	8.08	1	-4.717E+04	-1.048E-10	1.273E+04	0.000E+00	1.942E-10	1.862E-11	0.000E+00	-2.245E-12
1034	1	0.00	1	-4.722E+04	1.364E-10	-1.273E+04	0.000E+00	-1.031E+05	-1.091E-09	0.000E+00	0.000E+00
1034	2	2.02	1	-4.721E+04	1.364E-10	-1.273E+04	0.000E+00	-7.734E+04	-8.151E-10	0.000E+00	-4.431E-06
1034	3	4.04	1	-4.720E+04	1.364E-10	-1.273E+04	0.000E+00	-5.156E+04	-5.389E-10	0.000E+00	-5.064E-06
1034	4	6.06	1	-4.719E+04	1.364E-10	-1.273E+04	0.000E+00	-2.578E+04	-2.626E-10	0.000E+00	-3.165E-06
1034	5	8.08	1	-4.717E+04	1.364E-10	-1.273E+04	0.000E+00	1.619E-10	1.364E-11	0.000E+00	2.245E-12
1035	1	0.00	1	-4.717E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

1035	2	1.98	1	-4.717E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1035	3	3.96	1	-4.717E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1035	4	5.94	1	-4.717E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1035	5	7.92	1	-4.717E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1036	1	0.00	1	-4.717E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1036	2	1.98	1	-4.717E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1036	3	3.96	1	-4.717E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1036	4	5.94	1	-4.717E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1036	5	7.92	1	-4.717E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1037	1	0.00	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1037	2	2.02	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1037	3	4.04	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1037	4	6.06	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1037	5	8.08	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1038	1	0.00	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1038	2	2.02	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1038	3	4.04	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1038	4	6.06	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1038	5	8.08	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1039	1	0.00	1	-4.662E+04	6.503E-11	1.232E+04	0.000E+00	9.730E+04	-9.632E-10	0.000E+00	0.000E+00
1039	2	1.98	1	-4.661E+04	6.503E-11	1.232E+04	0.000E+00	7.297E+04	-8.347E-10	0.000E+00	3.977E-06
1039	3	3.96	1	-4.660E+04	6.503E-11	1.232E+04	0.000E+00	4.865E+04	-7.063E-10	0.000E+00	4.545E-06
1039	4	5.94	1	-4.659E+04	6.503E-11	1.232E+04	0.000E+00	2.432E+04	-5.779E-10	0.000E+00	2.841E-06
1039	5	7.92	1	-4.657E+04	6.503E-11	1.232E+04	0.000E+00	2.288E-09	-4.494E-10	0.000E+00	-1.057E-13
1040	1	0.00	1	-4.662E+04	1.265E-10	-1.232E+04	0.000E+00	-9.730E+04	-1.422E-09	0.000E+00	0.000E+00
1040	2	1.98	1	-4.661E+04	1.265E-10	-1.232E+04	0.000E+00	-7.297E+04	-1.172E-09	0.000E+00	-3.977E-06
1040	3	3.96	1	-4.660E+04	1.265E-10	-1.232E+04	0.000E+00	-4.865E+04	-9.217E-10	0.000E+00	-4.545E-06
1040	4	5.94	1	-4.659E+04	1.265E-10	-1.232E+04	0.000E+00	-2.432E+04	-6.718E-10	0.000E+00	-2.841E-06
1040	5	7.92	1	-4.657E+04	1.265E-10	-1.232E+04	0.000E+00	-2.229E-09	-4.219E-10	0.000E+00	1.057E-13
1041	1	0.00	1	-4.662E+04	-4.229E-11	1.257E+04	0.000E+00	1.019E+05	4.002E-10	0.000E+00	0.000E+00
1041	2	2.02	1	-4.661E+04	-4.229E-11	1.257E+04	0.000E+00	7.639E+04	3.145E-10	0.000E+00	4.377E-06
1041	3	4.04	1	-4.660E+04	-4.229E-11	1.257E+04	0.000E+00	5.093E+04	2.289E-10	0.000E+00	5.002E-06
1041	4	6.06	1	-4.659E+04	-4.229E-11	1.257E+04	0.000E+00	2.546E+04	1.433E-10	0.000E+00	3.126E-06
1041	5	8.08	1	-4.657E+04	-4.229E-11	1.257E+04	0.000E+00	2.071E-10	5.762E-11	0.000E+00	-2.209E-12
1042	1	0.00	1	-4.662E+04	1.552E-10	-1.257E+04	0.000E+00	-1.019E+05	-1.302E-09	0.000E+00	0.000E+00
1042	2	2.02	1	-4.661E+04	1.552E-10	-1.257E+04	0.000E+00	-7.639E+04	-9.882E-10	0.000E+00	-4.377E-06
1042	3	4.04	1	-4.660E+04	1.552E-10	-1.257E+04	0.000E+00	-5.093E+04	-6.739E-10	0.000E+00	-5.002E-06
1042	4	6.06	1	-4.659E+04	1.552E-10	-1.257E+04	0.000E+00	-2.546E+04	-3.597E-10	0.000E+00	-3.126E-06
1042	5	8.08	1	-4.657E+04	1.552E-10	-1.257E+04	0.000E+00	-3.752E-10	-4.542E-11	0.000E+00	2.209E-12
1043	1	0.00	1	-4.677E+04	3.433E-11	-7.832E+01	0.000E+00	-2.733E+03	-3.347E-10	0.000E+00	0.000E+00
1043	2	8.73	1	-4.672E+04	3.433E-11	-7.832E+01	0.000E+00	-2.050E+03	-3.513E-11	0.000E+00	-2.180E-06
1043	3	17.46	1	-4.667E+04	3.433E-11	-7.832E+01	0.000E+00	-1.367E+03	2.644E-10	0.000E+00	-2.492E-06
1043	4	26.19	1	-4.662E+04	3.433E-11	-7.832E+01	0.000E+00	-6.833E+02	5.640E-10	0.000E+00	-1.557E-06
1043	5	34.92	1	-4.657E+04	3.433E-11	-7.832E+01	0.000E+00	2.416E-13	8.635E-10	0.000E+00	-1.782E-12
1044	1	0.00	1	-4.677E+04	3.149E-10	7.832E+01	0.000E+00	2.733E+03	-1.038E-08	0.000E+00	0.000E+00
1044	2	8.73	1	-4.672E+04	3.149E-10	7.832E+01	0.000E+00	2.050E+03	-7.628E-09	7.093E-18	2.180E-06
1044	3	17.46	1	-4.667E+04	3.149E-10	7.832E+01	0.000E+00	1.367E+03	-4.880E-09	7.953E-18	2.492E-06
1044	4	26.19	1	-4.662E+04	3.149E-10	7.832E+01	0.000E+00	6.833E+02	-2.133E-09	4.836E-18	1.557E-06
1044	5	34.92	1	-4.657E+04	3.149E-10	7.832E+01	0.000E+00	-2.274E-13	6.149E-10	1.518E-25	1.782E-12
1045	1	0.00	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1045	2	1.98	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1045	3	3.96	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1045	4	5.94	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1045	5	7.92	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1046	1	0.00	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1046	2	1.98	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1046	3	3.96	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1046	4	5.94	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1046	5	7.92	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1047	1	0.00	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1047	2	2.02	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1047	3	4.04	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

1047	4	6.06	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1047	5	8.08	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1048	1	0.00	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1048	2	2.02	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1048	3	4.04	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1048	4	6.06	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1048	5	8.08	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1049	1	0.00	1	-4.662E+04	9.561E-11	1.232E+04	0.000E+00	9.730E+04	-1.142E-09	0.000E+00	0.000E+00
1049	2	1.98	1	-4.661E+04	9.561E-11	1.232E+04	0.000E+00	7.297E+04	-9.535E-10	0.000E+00	3.977E-06
1049	3	3.96	1	-4.660E+04	9.561E-11	1.232E+04	0.000E+00	4.865E+04	-7.647E-10	0.000E+00	4.545E-06
1049	4	5.94	1	-4.659E+04	9.561E-11	1.232E+04	0.000E+00	2.432E+04	-5.758E-10	0.000E+00	2.841E-06
1049	5	7.92	1	-4.657E+04	9.561E-11	1.232E+04	0.000E+00	2.438E-09	-3.870E-10	0.000E+00	-1.058E-13
1050	1	0.00	1	-4.662E+04	-3.968E-10	-1.232E+04	0.000E+00	-9.730E+04	2.651E-09	0.000E+00	0.000E+00
1050	2	1.98	1	-4.661E+04	-3.968E-10	-1.232E+04	0.000E+00	-7.297E+04	1.868E-09	0.000E+00	-3.977E-06
1050	3	3.96	1	-4.660E+04	-3.968E-10	-1.232E+04	0.000E+00	-4.865E+04	1.084E-09	0.000E+00	-4.545E-06
1050	4	5.94	1	-4.659E+04	-3.968E-10	-1.232E+04	0.000E+00	-2.432E+04	3.003E-10	0.000E+00	-2.841E-06
1050	5	7.92	1	-4.657E+04	-3.968E-10	-1.232E+04	0.000E+00	-2.237E-09	-4.833E-10	0.000E+00	1.058E-13
1051	1	0.00	1	-4.662E+04	-2.675E-10	1.257E+04	0.000E+00	1.019E+05	2.141E-09	0.000E+00	0.000E+00
1051	2	2.02	1	-4.661E+04	-2.675E-10	1.257E+04	0.000E+00	7.639E+04	1.599E-09	0.000E+00	4.377E-06
1051	3	4.04	1	-4.660E+04	-2.675E-10	1.257E+04	0.000E+00	5.093E+04	1.058E-09	0.000E+00	5.002E-06
1051	4	6.06	1	-4.659E+04	-2.675E-10	1.257E+04	0.000E+00	2.546E+04	5.159E-10	0.000E+00	3.126E-06
1051	5	8.08	1	-4.657E+04	-2.675E-10	1.257E+04	0.000E+00	5.321E-11	-2.584E-11	0.000E+00	-2.209E-12
1052	1	0.00	1	-4.662E+04	-1.090E-10	-1.257E+04	0.000E+00	-1.019E+05	9.304E-10	0.000E+00	0.000E+00
1052	2	2.02	1	-4.661E+04	-1.090E-10	-1.257E+04	0.000E+00	-7.639E+04	7.096E-10	0.000E+00	-4.377E-06
1052	3	4.04	1	-4.660E+04	-1.090E-10	-1.257E+04	0.000E+00	-5.093E+04	4.889E-10	0.000E+00	-5.002E-06
1052	4	6.06	1	-4.659E+04	-1.090E-10	-1.257E+04	0.000E+00	-2.546E+04	2.681E-10	0.000E+00	-3.126E-06
1052	5	8.08	1	-4.657E+04	-1.090E-10	-1.257E+04	0.000E+00	-3.183E-12	4.731E-11	0.000E+00	2.209E-12
1053	1	0.00	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1053	2	1.98	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1053	3	3.96	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1053	4	5.94	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1053	5	7.92	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1054	1	0.00	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1054	2	1.98	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1054	3	3.96	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1054	4	5.94	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1054	5	7.92	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1055	1	0.00	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1055	2	2.02	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1055	3	4.04	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1055	4	6.06	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1055	5	8.08	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1056	1	0.00	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1056	2	2.02	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1056	3	4.04	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1056	4	6.06	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1056	5	8.08	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1057	1	0.00	1	-4.662E+04	3.303E-10	1.232E+04	0.000E+00	9.730E+04	-2.460E-09	0.000E+00	0.000E+00
1057	2	1.98	1	-4.661E+04	3.303E-10	1.232E+04	0.000E+00	7.297E+04	-1.808E-09	0.000E+00	3.977E-06
1057	3	3.96	1	-4.660E+04	3.303E-10	1.232E+04	0.000E+00	4.865E+04	-1.156E-09	0.000E+00	4.545E-06
1057	4	5.94	1	-4.659E+04	3.303E-10	1.232E+04	0.000E+00	2.432E+04	-5.034E-10	0.000E+00	2.841E-06
1057	5	7.92	1	-4.657E+04	3.303E-10	1.232E+04	0.000E+00	-6.673E-10	1.489E-10	0.000E+00	-1.058E-13
1058	1	0.00	1	-4.662E+04	-8.856E-11	-1.232E+04	0.000E+00	-9.730E+04	9.095E-10	0.000E+00	0.000E+00
1058	2	1.98	1	-4.661E+04	-8.856E-11	-1.232E+04	0.000E+00	-7.297E+04	7.346E-10	0.000E+00	-3.977E-06
1058	3	3.96	1	-4.660E+04	-8.856E-11	-1.232E+04	0.000E+00	-4.865E+04	5.597E-10	0.000E+00	-4.545E-06
1058	4	5.94	1	-4.659E+04	-8.856E-11	-1.232E+04	0.000E+00	-2.432E+04	3.848E-10	0.000E+00	-2.841E-06
1058	5	7.92	1	-4.657E+04	-8.856E-11	-1.232E+04	0.000E+00	8.847E-10	2.099E-10	0.000E+00	1.058E-13
1059	1	0.00	1	-4.662E+04	1.489E-11	1.257E+04	0.000E+00	1.019E+05	9.823E-11	0.000E+00	0.000E+00
1059	2	2.02	1	-4.661E+04	1.489E-11	1.257E+04	0.000E+00	7.639E+04	1.284E-10	0.000E+00	4.377E-06
1059	3	4.04	1	-4.660E+04	1.489E-11	1.257E+04	0.000E+00	5.093E+04	1.585E-10	0.000E+00	5.002E-06
1059	4	6.06	1	-4.659E+04	1.489E-11	1.257E+04	0.000E+00	2.546E+04	1.887E-10	0.000E+00	3.126E-06
1059	5	8.08	1	-4.657E+04	1.489E-11	1.257E+04	0.000E+00	1.054E-09	2.189E-10	0.000E+00	-2.209E-12

1060	1	0.00	1	-4.662E+04	1.194E-11	-1.257E+04	0.000E+00	-1.019E+05	1.501E-10	0.000E+00	0.000E+00
1060	2	2.02	1	-4.661E+04	1.194E-11	-1.257E+04	0.000E+00	-7.639E+04	1.742E-10	0.000E+00	-4.377E-06
1060	3	4.04	1	-4.660E+04	1.194E-11	-1.257E+04	0.000E+00	-5.093E+04	1.984E-10	0.000E+00	-5.002E-06
1060	4	6.06	1	-4.659E+04	1.194E-11	-1.257E+04	0.000E+00	-2.546E+04	2.226E-10	0.000E+00	-3.126E-06
1060	5	8.08	1	-4.657E+04	1.194E-11	-1.257E+04	0.000E+00	-1.412E-09	2.468E-10	0.000E+00	2.209E-12
1061	1	0.00	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1061	2	1.98	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1061	3	3.96	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1061	4	5.94	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1061	5	7.92	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1062	1	0.00	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1062	2	1.98	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1062	3	3.96	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1062	4	5.94	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1062	5	7.92	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1063	1	0.00	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1063	2	2.02	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1063	3	4.04	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1063	4	6.06	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1063	5	8.08	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1064	1	0.00	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1064	2	2.02	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1064	3	4.04	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1064	4	6.06	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1064	5	8.08	1	-4.657E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

FILE: astec004.bin												
Caso di carico: 4 - Rara VentoY (1xC1 + 1xC2 + 1xC3 +/- 1xC4 + 1xC5)												
Asta	Prog.	Dist. (cm)	Sest.	N (kN)	Ty (kN)	Tz (kN)	Mx (kNm)	My (kNm)	Mz (kNm)	freccia Y (cm)	freccia Z (cm)	
1	1	0.00	1	-2.088E+05	7.723E-11	-4.545E-11	0.000E+00	2.484E+02	-9.506E-06	0.000E+00	0.000E+00	
1	1	0.00	2	-2.088E+05	7.720E-11	-4.328E-11	0.000E+00	-2.484E+02	-9.186E-06	0.000E+00	0.000E+00	
1	2	68.75	1	-2.068E+05	7.723E-11	-4.545E-11	0.000E+00	2.484E+02	-9.501E-06	3.007E-14	7.863E-07	
1	2	68.75	2	-2.068E+05	7.720E-11	-4.328E-11	0.000E+00	-2.484E+02	-9.181E-06	2.906E-14	-7.863E-07	
1	3	137.50	1	-2.049E+05	7.723E-11	-4.545E-11	0.000E+00	2.484E+02	-9.496E-06	4.008E-14	1.048E-06	
1	3	137.50	2	-2.049E+05	7.720E-11	-4.328E-11	0.000E+00	-2.484E+02	-9.175E-06	3.873E-14	-1.048E-06	
1	4	206.25	1	-2.029E+05	7.723E-11	-4.545E-11	0.000E+00	2.484E+02	-9.490E-06	3.006E-14	7.863E-07	
1	4	206.25	2	-2.029E+05	7.720E-11	-4.328E-11	0.000E+00	-2.484E+02	-9.170E-06	2.904E-14	-7.863E-07	
1	5	275.00	1	-2.010E+05	7.723E-11	-4.545E-11	0.000E+00	2.484E+02	-9.485E-06	-4.466E-21	2.843E-13	
1	5	275.00	2	-2.010E+05	7.720E-11	-4.328E-11	0.000E+00	-2.484E+02	-9.165E-06	-4.694E-21	-2.843E-13	
2	1	0.00	1	-2.142E+05	-9.607E-09	2.284E+04	0.000E+00	1.069E+07	-1.809E+02	0.000E+00	0.000E+00	
2	1	0.00	2	-2.142E+05	9.630E-09	-2.284E+04	0.000E+00	-1.069E+07	-1.809E+02	0.000E+00	0.000E+00	
2	2	115.00	1	-2.109E+05	-9.607E-09	2.284E+04	0.000E+00	8.063E+06	-1.809E+02	1.602E-06	5.591E-02	
2	2	115.00	2	-2.109E+05	9.630E-09	-2.284E+04	0.000E+00	-8.063E+06	-1.809E+02	1.602E-06	-5.591E-02	
2	3	230.00	1	-2.077E+05	-9.607E-09	2.284E+04	0.000E+00	5.436E+06	-1.809E+02	2.137E-06	6.421E-02	
2	3	230.00	2	-2.077E+05	9.630E-09	-2.284E+04	0.000E+00	-5.436E+06	-1.809E+02	2.137E-06	-6.421E-02	
2	4	345.00	1	-2.044E+05	-9.607E-09	2.284E+04	0.000E+00	2.809E+06	-1.809E+02	1.602E-06	4.040E-02	
2	4	345.00	2	-2.044E+05	9.630E-09	-2.284E+04	0.000E+00	-2.809E+06	-1.809E+02	1.602E-06	-4.040E-02	
2	5	460.00	1	-2.012E+05	-9.607E-09	2.284E+04	0.000E+00	1.822E+05	-1.809E+02	-6.863E-13	-2.027E-08	
2	5	460.00	2	-2.012E+05	9.630E-09	-2.284E+04	0.000E+00	-1.822E+05	-1.809E+02	-6.863E-13	2.027E-08	
3	1	0.00	1	-2.140E+05	-4.752E-10	-3.004E-10	0.000E+00	5.475E+02	-5.993E-06	0.000E+00	0.000E+00	
3	1	0.00	2	-2.140E+05	-4.786E-10	-2.865E-10	0.000E+00	-5.475E+02	-6.173E-06	0.000E+00	0.000E+00	
3	2	115.00	1	-2.108E+05	-4.752E-10	-3.004E-10	0.000E+00	5.475E+02	-6.048E-06	5.390E-14	4.850E-06	
3	2	115.00	2	-2.108E+05	-4.786E-10	-2.865E-10	0.000E+00	-5.475E+02	-6.228E-06	5.550E-14	-4.850E-06	
3	3	230.00	1	-2.075E+05	-4.752E-10	-3.004E-10	0.000E+00	5.475E+02	-6.102E-06	7.208E-14	6.466E-06	
3	3	230.00	2	-2.075E+05	-4.786E-10	-2.865E-10	0.000E+00	-5.475E+02	-6.283E-06	7.421E-14	-6.466E-06	
3	4	345.00	1	-2.042E+05	-4.752E-10	-3.004E-10	0.000E+00	5.475E+02	-6.157E-06	5.422E-14	4.850E-06	
3	4	345.00	2	-2.042E+05	-4.786E-10	-2.865E-10	0.000E+00	-5.475E+02	-6.338E-06	5.582E-14	-4.850E-06	
3	5	460.00	1	-2.010E+05	-4.752E-10	-3.004E-10	0.000E+00	5.475E+02	-6.212E-06	-8.429E-21	-2.574E-12	
3	5	460.00	2	-2.010E+05	-4.786E-10	-2.865E-10	0.000E+00	-5.475E+02	-6.393E-06	-7.890E-21	2.574E-12	
4	1	0.00	1	-2.150E+05	2.374E-09	2.284E+04	0.000E+00	1.137E+07	-1.809E+02	0.000E+00	0.000E+00	
4	1	0.00	2	-2.150E+05	-2.037E-09	-2.284E+04	0.000E+00	-1.137E+07	-1.809E+02	0.000E+00	0.000E+00	
4	2	122.50	1	-2.116E+05	2.374E-09	2.284E+04	0.000E+00	8.577E+06	-1.809E+02	1.818E-06	6.746E-02	

4	2	122.50	2	-2.116E+05	-2.037E-09	-2.284E+04	0.000E+00	-8.577E+06	-1.809E+02	1.818E-06	-6.746E-02
4	3	245.00	1	-2.081E+05	2.374E-09	2.284E+04	0.000E+00	5.778E+06	-1.809E+02	2.424E-06	7.745E-02
4	3	245.00	2	-2.081E+05	-2.037E-09	-2.284E+04	0.000E+00	-5.778E+06	-1.809E+02	2.424E-06	-7.745E-02
4	4	367.50	1	-2.046E+05	2.374E-09	2.284E+04	0.000E+00	2.980E+06	-1.809E+02	1.818E-06	4.871E-02
4	4	367.50	2	-2.046E+05	-2.037E-09	-2.284E+04	0.000E+00	-2.980E+06	-1.809E+02	1.818E-06	-4.871E-02
4	5	490.00	1	-2.012E+05	2.374E-09	2.284E+04	0.000E+00	1.822E+05	-1.809E+02	5.965E-14	-1.386E-08
4	5	490.00	2	-2.012E+05	-2.037E-09	-2.284E+04	0.000E+00	-1.822E+05	-1.809E+02	5.965E-14	1.386E-08
5	1	0.00	1	-2.160E+05	-3.027E-10	2.390E-10	0.000E+00	5.337E+02	-7.792E-07	0.000E+00	0.000E+00
5	1	0.00	2	-2.160E+05	-2.942E-10	2.598E-10	0.000E+00	-5.337E+02	-1.127E-06	0.000E+00	0.000E+00
5	2	132.50	1	-2.122E+05	-3.027E-10	2.390E-10	0.000E+00	5.337E+02	-8.193E-07	9.950E-15	6.276E-06
5	2	132.50	2	-2.122E+05	-2.942E-10	2.598E-10	0.000E+00	-5.337E+02	-1.166E-06	1.402E-14	-6.276E-06
5	3	265.00	1	-2.085E+05	-3.027E-10	2.390E-10	0.000E+00	5.337E+02	-8.594E-07	1.348E-14	8.369E-06
5	3	265.00	2	-2.085E+05	-2.942E-10	2.598E-10	0.000E+00	-5.337E+02	-1.205E-06	1.890E-14	-8.369E-06
5	4	397.50	1	-2.047E+05	-3.027E-10	2.390E-10	0.000E+00	5.337E+02	-8.995E-07	1.026E-14	6.276E-06
5	4	397.50	2	-2.047E+05	-2.942E-10	2.598E-10	0.000E+00	-5.337E+02	-1.244E-06	1.433E-14	-6.276E-06
5	5	530.00	1	-2.010E+05	-3.027E-10	2.390E-10	0.000E+00	5.337E+02	-9.396E-07	-1.589E-21	8.193E-13
5	5	530.00	2	-2.010E+05	-2.942E-10	2.598E-10	0.000E+00	-5.337E+02	-1.283E-06	-1.026E-21	-8.193E-13
6	1	0.00	1	-2.138E+05	1.036E-07	2.284E+04	0.000E+00	1.035E+07	-1.809E+02	0.000E+00	0.000E+00
6	1	0.00	2	-2.138E+05	-1.042E-07	-2.284E+04	0.000E+00	-1.035E+07	-1.809E+02	0.000E+00	0.000E+00
6	2	111.25	1	-2.106E+05	1.036E-07	2.284E+04	0.000E+00	7.806E+06	-1.809E+02	1.500E-06	5.067E-02
6	2	111.25	2	-2.106E+05	-1.042E-07	-2.284E+04	0.000E+00	-7.806E+06	-1.809E+02	1.500E-06	-5.067E-02
6	3	222.50	1	-2.075E+05	1.036E-07	2.284E+04	0.000E+00	5.265E+06	-1.809E+02	2.000E-06	5.819E-02
6	3	222.50	2	-2.075E+05	-1.042E-07	-2.284E+04	0.000E+00	-5.265E+06	-1.809E+02	2.000E-06	-5.819E-02
6	4	333.75	1	-2.043E+05	1.036E-07	2.284E+04	0.000E+00	2.723E+06	-1.809E+02	1.500E-06	3.662E-02
6	4	333.75	2	-2.043E+05	-1.042E-07	-2.284E+04	0.000E+00	-2.723E+06	-1.809E+02	1.500E-06	-3.662E-02
6	5	445.00	1	-2.012E+05	1.036E-07	2.284E+04	0.000E+00	1.822E+05	-1.809E+02	-2.868E-13	7.270E-10
6	5	445.00	2	-2.012E+05	-1.042E-07	-2.284E+04	0.000E+00	-1.822E+05	-1.809E+02	-2.868E-13	-7.270E-10
7	1	0.00	1	-2.161E+05	1.197E-09	6.687E-10	0.000E+00	5.433E+02	-9.780E+04	0.000E+00	0.000E+00
7	1	0.00	2	-2.161E+05	1.193E-09	6.766E-10	0.000E+00	-5.433E+02	-9.780E+04	0.000E+00	0.000E+00
7	2	122.50	1	-2.126E+05	1.197E-09	6.687E-10	0.000E+00	5.433E+02	-9.780E+04	9.831E-04	5.461E-06
7	2	122.50	2	-2.126E+05	1.193E-09	6.766E-10	0.000E+00	-5.433E+02	-9.780E+04	9.831E-04	-5.461E-06
7	3	245.00	1	-2.091E+05	1.197E-09	6.687E-10	0.000E+00	5.433E+02	-9.780E+04	1.311E-03	7.282E-06
7	3	245.00	2	-2.091E+05	1.193E-09	6.766E-10	0.000E+00	-5.433E+02	-9.780E+04	1.311E-03	-7.282E-06
7	4	367.50	1	-2.057E+05	1.197E-09	6.687E-10	0.000E+00	5.433E+02	-9.780E+04	9.831E-04	5.461E-06
7	4	367.50	2	-2.057E+05	1.193E-09	6.766E-10	0.000E+00	-5.433E+02	-9.780E+04	9.831E-04	-5.461E-06
7	5	490.00	1	-2.022E+05	1.197E-09	6.687E-10	0.000E+00	5.433E+02	-9.780E+04	-1.472E-10	2.472E-12
7	5	490.00	2	-2.022E+05	1.193E-09	6.766E-10	0.000E+00	-5.433E+02	-9.780E+04	-1.472E-10	-2.472E-12
8	1	0.00	1	-2.177E+05	7.795E-08	2.284E+04	0.000E+00	1.160E+07	-1.809E+02	0.000E+00	0.000E+00
8	1	0.00	2	-2.177E+05	-7.843E-08	-2.284E+04	0.000E+00	-1.160E+07	-1.809E+02	0.000E+00	0.000E+00
8	2	125.00	1	-2.142E+05	7.795E-08	2.284E+04	0.000E+00	8.748E+06	-1.809E+02	1.893E-06	7.164E-02
8	2	125.00	2	-2.142E+05	-7.843E-08	-2.284E+04	0.000E+00	-8.748E+06	-1.809E+02	1.893E-06	-7.164E-02
8	3	250.00	1	-2.106E+05	7.795E-08	2.284E+04	0.000E+00	5.893E+06	-1.809E+02	2.525E-06	8.223E-02
8	3	250.00	2	-2.106E+05	-7.843E-08	-2.284E+04	0.000E+00	-5.893E+06	-1.809E+02	2.525E-06	-8.223E-02
8	4	375.00	1	-2.071E+05	7.795E-08	2.284E+04	0.000E+00	3.037E+06	-1.809E+02	1.893E-06	5.171E-02
8	4	375.00	2	-2.071E+05	-7.843E-08	-2.284E+04	0.000E+00	-3.037E+06	-1.809E+02	1.893E-06	-5.171E-02
8	5	500.00	1	-2.036E+05	7.795E-08	2.284E+04	0.000E+00	1.821E+05	-1.809E+02	-1.804E-13	-1.699E-08
8	5	500.00	2	-2.036E+05	-7.843E-08	-2.284E+04	0.000E+00	-1.821E+05	-1.809E+02	-1.804E-13	1.699E-08
9	1	0.00	1	-2.168E+05	-1.608E-09	-2.959E-10	0.000E+00	6.130E+02	9.780E+04	0.000E+00	0.000E+00
9	1	0.00	2	-2.168E+05	-1.606E-09	-2.962E-10	0.000E+00	-6.130E+02	9.780E+04	0.000E+00	0.000E+00
9	2	128.75	1	-2.131E+05	-1.608E-09	-2.959E-10	0.000E+00	6.130E+02	9.780E+04	-1.086E-03	6.807E-06
9	2	128.75	2	-2.131E+05	-1.606E-09	-2.962E-10	0.000E+00	-6.130E+02	9.780E+04	-1.086E-03	-6.807E-06
9	3	257.50	1	-2.095E+05	-1.608E-09	-2.959E-10	0.000E+00	6.130E+02	9.780E+04	-1.448E-03	9.076E-06
9	3	257.50	2	-2.095E+05	-1.606E-09	-2.962E-10	0.000E+00	-6.130E+02	9.780E+04	-1.448E-03	-9.076E-06
9	4	386.25	1	-2.058E+05	-1.608E-09	-2.959E-10	0.000E+00	6.130E+02	9.780E+04	-1.086E-03	6.807E-06
9	4	386.25	2	-2.058E+05	-1.606E-09	-2.962E-10	0.000E+00	-6.130E+02	9.780E+04	-1.086E-03	-6.807E-06
9	5	515.00	1	-2.022E+05	-1.608E-09	-2.959E-10	0.000E+00	6.130E+02	9.780E+04	-1.463E-10	-7.670E-13
9	5	515.00	2	-2.022E+05	-1.606E-09	-2.962E-10	0.000E+00	-6.130E+02	9.780E+04	-1.463E-10	7.670E-13
10	1	0.00	1	-2.157E+05	7.638E-09	2.284E+04	0.000E+00	1.195E+07	-1.809E+02	0.000E+00	0.000E+00
10	1	0.00	2	-2.157E+05	-7.346E-09	-2.284E+04	0.000E+00	-1.195E+07	-1.809E+02	0.000E+00	0.000E+00
10	2	128.75	1	-2.121E+05	7.638E-09	2.284E+04	0.000E+00	9.005E+06	-1.809E+02	2.009E-06	7.822E-02
10	2	128.75	2	-2.121E+05	-7.346E-09	-2.284E+04	0.000E+00	-9.005E+06	-1.809E+02	2.009E-06	-7.822E-02
10	3	257.50	1	-2.085E+05	7.638E-09	2.284E+04	0.000E+00	6.064E+06	-1.809E+02	2.678E-06	8.978E-02

10	3	257.50	2	-2.085E+05	-7.346E-09	-2.284E+04	0.000E+00	-6.064E+06	-1.809E+02	2.678E-06	-8.978E-02
10	4	386.25	1	-2.048E+05	7.638E-09	2.284E+04	0.000E+00	3.123E+06	-1.809E+02	2.009E-06	5.645E-02
10	4	386.25	2	-2.048E+05	-7.346E-09	-2.284E+04	0.000E+00	-3.123E+06	-1.809E+02	2.009E-06	-5.645E-02
10	5	515.00	1	-2.012E+05	7.638E-09	2.284E+04	0.000E+00	1.821E+05	-1.809E+02	-2.754E-13	9.887E-09
10	5	515.00	2	-2.012E+05	-7.346E-09	-2.284E+04	0.000E+00	-1.821E+05	-1.809E+02	-2.754E-13	-9.887E-09
11	1	0.00	1	-2.136E+05	-8.067E-11	-6.317E-11	0.000E+00	6.447E+02	4.881E-06	0.000E+00	0.000E+00
11	1	0.00	2	-2.136E+05	-9.385E-11	-7.439E-11	0.000E+00	-6.447E+02	4.801E-06	0.000E+00	0.000E+00
11	2	111.25	1	-2.104E+05	-8.067E-11	-6.317E-11	0.000E+00	6.447E+02	4.872E-06	-4.034E-14	5.344E-06
11	2	111.25	2	-2.104E+05	-9.385E-11	-7.439E-11	0.000E+00	-6.447E+02	4.791E-06	-3.966E-14	-5.344E-06
11	3	222.50	1	-2.073E+05	-8.067E-11	-6.317E-11	0.000E+00	6.447E+02	4.863E-06	-5.375E-14	7.126E-06
11	3	222.50	2	-2.073E+05	-9.385E-11	-7.439E-11	0.000E+00	-6.447E+02	4.780E-06	-5.284E-14	-7.126E-06
11	4	333.75	1	-2.041E+05	-8.067E-11	-6.317E-11	0.000E+00	6.447E+02	4.854E-06	-4.029E-14	5.344E-06
11	4	333.75	2	-2.041E+05	-9.385E-11	-7.439E-11	0.000E+00	-6.447E+02	4.770E-06	-3.960E-14	-5.344E-06
11	5	445.00	1	-2.010E+05	-8.067E-11	-6.317E-11	0.000E+00	6.447E+02	4.845E-06	1.645E-21	-2.748E-12
11	5	445.00	2	-2.010E+05	-9.385E-11	-7.439E-11	0.000E+00	-6.447E+02	4.759E-06	1.580E-21	2.748E-12
12	1	0.00	1	-2.162E+05	1.850E-07	2.284E+04	0.000E+00	1.229E+07	-1.809E+02	0.000E+00	0.000E+00
12	1	0.00	2	-2.162E+05	-1.861E-07	-2.284E+04	0.000E+00	-1.229E+07	-1.809E+02	0.000E+00	0.000E+00
12	2	132.50	1	-2.124E+05	1.850E-07	2.284E+04	0.000E+00	9.262E+06	-1.809E+02	2.127E-06	8.519E-02
12	2	132.50	2	-2.124E+05	-1.861E-07	-2.284E+04	0.000E+00	-9.262E+06	-1.809E+02	2.127E-06	-8.519E-02
12	3	265.00	1	-2.087E+05	1.850E-07	2.284E+04	0.000E+00	6.235E+06	-1.809E+02	2.836E-06	9.777E-02
12	3	265.00	2	-2.087E+05	-1.861E-07	-2.284E+04	0.000E+00	-6.235E+06	-1.809E+02	2.836E-06	-9.777E-02
12	4	397.50	1	-2.049E+05	1.850E-07	2.284E+04	0.000E+00	3.209E+06	-1.809E+02	2.127E-06	6.146E-02
12	4	397.50	2	-2.049E+05	-1.861E-07	-2.284E+04	0.000E+00	-3.209E+06	-1.809E+02	2.127E-06	-6.146E-02
12	5	530.00	1	-2.012E+05	1.850E-07	2.284E+04	0.000E+00	1.821E+05	-1.809E+02	-6.009E-13	5.514E-09
12	5	530.00	2	-2.012E+05	-1.861E-07	-2.284E+04	0.000E+00	-1.821E+05	-1.809E+02	-6.009E-13	-5.514E-09
13	1	0.00	1	-2.149E+05	-4.007E-11	-6.009E-12	0.000E+00	5.899E+02	-4.086E-06	0.000E+00	0.000E+00
13	1	0.00	2	-2.149E+05	-4.095E-11	-6.176E-12	0.000E+00	-5.899E+02	-4.785E-06	0.000E+00	0.000E+00
13	2	122.50	1	-2.114E+05	-4.007E-11	-6.009E-12	0.000E+00	5.899E+02	-4.091E-06	4.116E-14	5.929E-06
13	2	122.50	2	-2.114E+05	-4.095E-11	-6.176E-12	0.000E+00	-5.899E+02	-4.790E-06	4.818E-14	-5.929E-06
13	3	245.00	1	-2.079E+05	-4.007E-11	-6.009E-12	0.000E+00	5.899E+02	-4.096E-06	5.490E-14	7.906E-06
13	3	245.00	2	-2.079E+05	-4.095E-11	-6.176E-12	0.000E+00	-5.899E+02	-4.795E-06	6.427E-14	-7.906E-06
13	4	367.50	1	-2.045E+05	-4.007E-11	-6.009E-12	0.000E+00	5.899E+02	-4.101E-06	4.119E-14	5.929E-06
13	4	367.50	2	-2.045E+05	-4.095E-11	-6.176E-12	0.000E+00	-5.899E+02	-4.800E-06	4.822E-14	-5.929E-06
13	5	490.00	1	-2.010E+05	-4.007E-11	-6.009E-12	0.000E+00	5.899E+02	-4.106E-06	5.801E-21	2.380E-13
13	5	490.00	2	-2.010E+05	-4.095E-11	-6.176E-12	0.000E+00	-5.899E+02	-4.805E-06	7.755E-21	-2.380E-13
14	1	0.00	1	-2.142E+05	-1.787E-08	2.284E+04	0.000E+00	1.069E+07	-1.809E+02	0.000E+00	0.000E+00
14	1	0.00	2	-2.142E+05	1.836E-08	-2.284E+04	0.000E+00	-1.069E+07	-1.809E+02	0.000E+00	0.000E+00
14	2	115.00	1	-2.109E+05	-1.787E-08	2.284E+04	0.000E+00	8.063E+06	-1.809E+02	1.602E-06	5.591E-02
14	2	115.00	2	-2.109E+05	1.836E-08	-2.284E+04	0.000E+00	-8.063E+06	-1.809E+02	1.602E-06	-5.591E-02
14	3	230.00	1	-2.077E+05	-1.787E-08	2.284E+04	0.000E+00	5.436E+06	-1.809E+02	2.137E-06	6.421E-02
14	3	230.00	2	-2.077E+05	1.836E-08	-2.284E+04	0.000E+00	-5.436E+06	-1.809E+02	2.137E-06	-6.421E-02
14	4	345.00	1	-2.044E+05	-1.787E-08	2.284E+04	0.000E+00	2.809E+06	-1.809E+02	1.602E-06	4.040E-02
14	4	345.00	2	-2.044E+05	1.836E-08	-2.284E+04	0.000E+00	-2.809E+06	-1.809E+02	1.602E-06	-4.040E-02
14	5	460.00	1	-2.012E+05	-1.787E-08	2.284E+04	0.000E+00	1.822E+05	-1.809E+02	-4.355E-13	-2.006E-08
14	5	460.00	2	-2.012E+05	1.836E-08	-2.284E+04	0.000E+00	-1.822E+05	-1.809E+02	-4.355E-13	2.006E-08
15	1	0.00	1	-2.112E+05	1.849E-10	-4.448E-11	0.000E+00	2.516E+02	4.760E-06	0.000E+00	0.000E+00
15	1	0.00	2	-2.112E+05	1.815E-10	-3.784E-11	0.000E+00	-2.516E+02	4.108E-06	0.000E+00	0.000E+00
15	2	90.00	1	-2.086E+05	1.849E-10	-4.448E-11	0.000E+00	2.516E+02	4.776E-06	-2.597E-14	1.365E-06
15	2	90.00	2	-2.086E+05	1.815E-10	-3.784E-11	0.000E+00	-2.516E+02	4.124E-06	-2.244E-14	-1.365E-06
15	3	180.00	1	-2.061E+05	1.849E-10	-4.448E-11	0.000E+00	2.516E+02	4.793E-06	-3.467E-14	1.820E-06
15	3	180.00	2	-2.061E+05	1.815E-10	-3.784E-11	0.000E+00	-2.516E+02	4.140E-06	-2.995E-14	-1.820E-06
15	4	270.00	1	-2.035E+05	1.849E-10	-4.448E-11	0.000E+00	2.516E+02	4.810E-06	-2.603E-14	1.365E-06
15	4	270.00	2	-2.035E+05	1.815E-10	-3.784E-11	0.000E+00	-2.516E+02	4.157E-06	-2.249E-14	-1.365E-06
15	5	360.00	1	-2.010E+05	1.849E-10	-4.448E-11	0.000E+00	2.516E+02	4.826E-06	3.267E-22	-4.742E-14
15	5	360.00	2	-2.010E+05	1.815E-10	-3.784E-11	0.000E+00	-2.516E+02	4.173E-06	6.892E-22	4.742E-14
101	1	0.00	1	4.127E-11	1.554E-10	6.732E-11	-3.981E-13	-3.871E-09	1.372E-08	0.000E+00	0.000E+00
101	1	0.00	2	-7.571E-11	1.286E-10	-6.734E-11	3.920E-13	3.878E-09	1.523E-08	0.000E+00	0.000E+00
101	2	17.25	1	4.257E-01	-2.937E+02	-7.763E+01	-3.981E-13	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06
101	2	17.25	2	4.257E-01	-2.937E+02	7.763E+01	3.920E-13	-6.695E+02	-2.533E+03	-9.618E-06	2.382E-06
101	3	34.50	1	8.514E-01	-5.874E+02	-1.553E+02	-3.981E-13	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
101	3	34.50	2	8.514E-01	-5.874E+02	1.553E+02	3.920E-13	-2.678E+03	-1.013E+04	-1.262E-05	3.050E-06
101	4	51.75	1	1.277E+00	-8.812E+02	-2.329E+02	-3.981E-13	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06

101	4	51.75	2	1.277E+00	-8.812E+02	2.329E+02	3.920E-13	-6.026E+03	-2.280E+04	-9.263E-06	2.166E-06
101	5	69.00	1	1.703E+00	-1.175E+03	-3.105E+02	-3.981E-13	1.071E+04	-4.053E+04	-1.369E-14	-2.259E-15
101	5	69.00	2	1.703E+00	-1.175E+03	3.105E+02	3.920E-13	-1.071E+04	-4.053E+04	-1.369E-14	2.259E-15
102	1	0.00	1	9.876E-11	3.469E-11	-4.663E-15	-2.066E-13	-1.490E-08	4.387E-08	0.000E+00	0.000E+00
102	1	0.00	2	-8.143E-11	3.105E-11	-4.663E-15	2.126E-13	1.490E-08	4.469E-08	0.000E+00	0.000E+00
102	2	17.25	1	4.257E-01	-2.937E+02	-4.663E-15	-2.066E-13	-1.490E-08	-2.533E+03	-9.618E-06	-1.797E-18
102	2	17.25	2	4.257E-01	-2.937E+02	-4.663E-15	2.126E-13	1.490E-08	-2.533E+03	-9.618E-06	1.797E-18
102	3	34.50	1	8.514E-01	-5.874E+02	-4.663E-15	-2.066E-13	-1.490E-08	-1.013E+04	-1.262E-05	-2.395E-18
102	3	34.50	2	8.514E-01	-5.874E+02	-4.663E-15	2.126E-13	1.490E-08	-1.013E+04	-1.262E-05	2.395E-18
102	4	51.75	1	1.277E+00	-8.812E+02	-4.663E-15	-2.066E-13	-1.490E-08	-2.280E+04	-9.263E-06	-1.797E-18
102	4	51.75	2	1.277E+00	-8.812E+02	-4.663E-15	2.126E-13	1.490E-08	-2.280E+04	-9.263E-06	1.797E-18
102	5	69.00	1	1.703E+00	-1.175E+03	-4.663E-15	-2.066E-13	-1.490E-08	-4.053E+04	-1.369E-14	-5.634E-25
102	5	69.00	2	1.703E+00	-1.175E+03	-4.663E-15	2.126E-13	1.490E-08	-4.053E+04	-1.369E-14	5.634E-25
103	1	0.00	1	3.005E+04	4.277E+04	5.666E+03	1.131E-01	2.284E+06	-4.076E+04	0.000E+00	0.000E+00
103	1	0.00	2	-3.014E+04	4.276E+04	-5.683E+03	1.145E-01	-2.284E+06	-4.031E+04	0.000E+00	0.000E+00
103	2	45.25	1	3.005E+04	4.200E+04	5.462E+03	1.131E-01	2.032E+06	1.877E+06	-1.198E-03	1.535E-03
103	2	45.25	2	-3.014E+04	4.199E+04	-5.479E+03	1.145E-01	-2.031E+06	1.877E+06	-1.198E-03	-1.534E-03
103	3	90.50	1	3.005E+04	4.123E+04	5.259E+03	1.131E-01	1.789E+06	3.760E+06	-1.898E-03	1.958E-03
103	3	90.50	2	-3.014E+04	4.122E+04	-5.275E+03	1.145E-01	-1.788E+06	3.760E+06	-1.898E-03	-1.957E-03
103	4	135.75	1	3.005E+04	4.046E+04	5.055E+03	1.131E-01	1.556E+06	5.609E+06	-1.647E-03	1.403E-03
103	4	135.75	2	-3.014E+04	4.045E+04	-5.072E+03	1.145E-01	-1.554E+06	5.608E+06	-1.647E-03	-1.402E-03
103	5	181.00	1	3.005E+04	3.969E+04	4.851E+03	1.131E-01	1.332E+06	7.422E+06	-1.187E-10	4.941E-10
103	5	181.00	2	-3.014E+04	3.968E+04	-4.868E+03	1.145E-01	-1.329E+06	7.421E+06	-1.187E-10	-4.940E-10
104	1	0.00	1	-3.014E+04	4.276E+04	5.445E+03	-1.145E-01	2.272E+06	-4.031E+04	0.000E+00	0.000E+00
104	1	0.00	2	3.005E+04	4.277E+04	-5.428E+03	-1.131E-01	-2.271E+06	-4.076E+04	0.000E+00	0.000E+00
104	2	45.25	1	-3.014E+04	4.199E+04	5.445E+03	-1.145E-01	2.025E+06	1.877E+06	-1.198E-03	1.544E-03
104	2	45.25	2	3.005E+04	4.200E+04	-5.428E+03	-1.131E-01	-2.026E+06	1.877E+06	-1.198E-03	-1.545E-03
104	3	90.50	1	-3.014E+04	4.122E+04	5.445E+03	-1.145E-01	1.779E+06	3.760E+06	-1.898E-03	1.968E-03
104	3	90.50	2	3.005E+04	4.123E+04	-5.428E+03	-1.131E-01	-1.780E+06	3.760E+06	-1.898E-03	-1.969E-03
104	4	135.75	1	-3.014E+04	4.045E+04	5.445E+03	-1.145E-01	1.533E+06	5.608E+06	-1.647E-03	1.408E-03
104	4	135.75	2	3.005E+04	4.046E+04	-5.428E+03	-1.131E-01	-1.535E+06	5.609E+06	-1.647E-03	-1.409E-03
104	5	181.00	1	-3.014E+04	3.968E+04	5.445E+03	-1.145E-01	1.286E+06	7.421E+06	-1.187E-10	2.295E-10
104	5	181.00	2	3.005E+04	3.969E+04	-5.428E+03	-1.131E-01	-1.289E+06	7.422E+06	-1.187E-10	-2.296E-10
105	1	0.00	1	2.545E+04	3.231E+04	5.665E+03	1.858E-02	2.033E+06	7.422E+06	0.000E+00	0.000E+00
105	1	0.00	2	-2.552E+04	3.231E+04	-5.659E+03	1.916E-02	-2.031E+06	7.421E+06	0.000E+00	0.000E+00
105	2	127.25	1	2.546E+04	3.014E+04	5.092E+03	1.858E-02	1.349E+06	1.139E+07	-3.994E-02	6.152E-03
105	2	127.25	2	-2.551E+04	3.014E+04	-5.087E+03	1.916E-02	-1.347E+06	1.139E+07	-3.994E-02	-6.143E-03
105	3	254.50	1	2.546E+04	2.797E+04	4.520E+03	1.858E-02	7.374E+05	1.509E+07	-5.786E-02	6.473E-03
105	3	254.50	2	-2.551E+04	2.797E+04	-4.514E+03	1.916E-02	-7.362E+05	1.509E+07	-5.786E-02	-6.463E-03
105	4	381.75	1	2.546E+04	2.581E+04	3.947E+03	1.858E-02	1.987E+05	1.851E+07	-4.672E-02	3.637E-03
105	4	381.75	2	-2.551E+04	2.581E+04	-3.941E+03	1.916E-02	-1.982E+05	1.851E+07	-4.672E-02	-3.631E-03
105	5	509.00	1	2.546E+04	2.364E+04	3.374E+03	1.858E-02	-2.671E+05	2.166E+07	-1.046E-09	4.273E-09
105	5	509.00	2	-2.551E+04	2.364E+04	-3.369E+03	1.916E-02	2.669E+05	2.166E+07	-1.045E-09	-4.274E-09
106	1	0.00	1	-2.552E+04	3.231E+04	4.631E+03	-1.916E-02	1.988E+06	7.421E+06	0.000E+00	0.000E+00
106	1	0.00	2	2.545E+04	3.231E+04	-4.637E+03	-1.858E-02	-1.990E+06	7.422E+06	0.000E+00	0.000E+00
106	2	127.25	1	-2.551E+04	3.014E+04	4.631E+03	-1.916E-02	1.398E+06	1.139E+07	-3.994E-02	6.596E-03
106	2	127.25	2	2.546E+04	3.014E+04	-4.637E+03	-1.858E-02	-1.400E+06	1.139E+07	-3.994E-02	-6.605E-03
106	3	254.50	1	-2.551E+04	2.797E+04	4.631E+03	-1.916E-02	8.089E+05	1.509E+07	-5.786E-02	7.076E-03
106	3	254.50	2	2.546E+04	2.797E+04	-4.637E+03	-1.858E-02	-8.101E+05	1.509E+07	-5.786E-02	-7.087E-03
106	4	381.75	1	-2.551E+04	2.581E+04	4.631E+03	-1.916E-02	2.196E+05	1.851E+07	-4.672E-02	4.019E-03
106	4	381.75	2	2.546E+04	2.581E+04	-4.637E+03	-1.858E-02	-2.201E+05	1.851E+07	-4.672E-02	-4.025E-03
106	5	509.00	1	-2.551E+04	2.364E+04	4.631E+03	-1.916E-02	-3.696E+05	2.166E+07	-1.045E-09	-1.133E-10
106	5	509.00	2	2.546E+04	2.364E+04	-4.637E+03	-1.858E-02	3.699E+05	2.166E+07	-1.046E-09	1.144E-10
107	1	0.00	1	2.065E+04	1.404E+04	4.581E+03	9.171E-03	4.666E+05	2.166E+07	0.000E+00	0.000E+00
107	1	0.00	2	-2.068E+04	1.404E+04	-4.582E+03	9.661E-03	-4.670E+05	2.166E+07	0.000E+00	0.000E+00
107	2	127.50	1	2.065E+04	1.187E+04	4.008E+03	9.171E-03	-8.091E+04	2.331E+07	-6.983E-02	-2.639E-03
107	2	127.50	2	-2.068E+04	1.187E+04	-4.009E+03	9.661E-03	8.064E+04	2.331E+07	-6.983E-02	2.637E-03
107	3	255.00	1	2.065E+04	9.697E+03	3.434E+03	9.171E-03	-5.553E+05	2.469E+07	-9.477E-02	-4.854E-03
107	3	255.00	2	-2.067E+04	9.698E+03	-3.435E+03	9.661E-03	5.552E+05	2.469E+07	-9.477E-02	4.852E-03
107	4	382.50	1	2.066E+04	7.526E+03	2.860E+03	9.171E-03	-9.566E+05	2.578E+07	-7.219E-02	-4.561E-03
107	4	382.50	2	-2.067E+04	7.527E+03	-2.861E+03	9.661E-03	9.565E+05	2.578E+07	-7.219E-02	4.560E-03
107	5	510.00	1	2.066E+04	5.355E+03	2.286E+03	9.171E-03	-1.285E+06	2.661E+07	-1.170E-09	3.319E-10

107	5	510.00	2	-2.067E+04	5.356E+03	-2.287E+03	9.661E-03	1.285E+06	2.660E+07	-1.171E-09	-3.316E-10
108	1	0.00	1	-2.068E+04	1.404E+04	3.424E+03	-9.661E-03	3.643E+05	2.166E+07	0.000E+00	0.000E+00
108	1	0.00	2	2.065E+04	1.404E+04	-3.423E+03	-9.171E-03	-3.639E+05	2.166E+07	0.000E+00	0.000E+00
108	2	127.50	1	-2.068E+04	1.187E+04	3.424E+03	-9.661E-03	-7.226E+04	2.331E+07	-6.983E-02	-2.393E-03
108	2	127.50	2	2.065E+04	1.187E+04	-3.423E+03	-9.171E-03	7.254E+04	2.331E+07	-6.983E-02	2.394E-03
108	3	255.00	1	-2.067E+04	9.698E+03	3.424E+03	-9.661E-03	-5.088E+05	2.469E+07	-9.477E-02	-4.469E-03
108	3	255.00	2	2.065E+04	9.697E+03	-3.423E+03	-9.171E-03	5.090E+05	2.469E+07	-9.477E-02	4.470E-03
108	4	382.50	1	-2.067E+04	7.527E+03	3.424E+03	-9.661E-03	-9.454E+05	2.578E+07	-7.219E-02	-4.310E-03
108	4	382.50	2	2.066E+04	7.526E+03	-3.423E+03	-9.171E-03	9.454E+05	2.578E+07	-7.219E-02	4.311E-03
108	5	510.00	1	-2.067E+04	5.356E+03	3.424E+03	-9.661E-03	-1.382E+06	2.660E+07	-1.171E-09	2.892E-10
108	5	510.00	2	2.066E+04	5.355E+03	-3.423E+03	-9.171E-03	1.382E+06	2.661E+07	-1.170E-09	-2.895E-10
109	1	0.00	1	1.620E+04	-5.356E+03	3.424E+03	-9.625E-03	-6.044E+05	2.661E+07	0.000E+00	0.000E+00
109	1	0.00	2	-1.619E+04	-5.355E+03	-3.424E+03	-9.207E-03	6.044E+05	2.660E+07	0.000E+00	0.000E+00
109	2	127.50	1	1.620E+04	-7.527E+03	2.850E+03	-9.625E-03	-1.004E+06	2.578E+07	-7.219E-02	-8.073E-03
109	2	127.50	2	-1.619E+04	-7.526E+03	-2.850E+03	-9.207E-03	1.004E+06	2.578E+07	-7.219E-02	8.073E-03
109	3	255.00	1	1.620E+04	-9.698E+03	2.276E+03	-9.625E-03	-1.331E+06	2.469E+07	-9.477E-02	-1.167E-02
109	3	255.00	2	-1.618E+04	-9.697E+03	-2.277E+03	-9.207E-03	1.331E+06	2.469E+07	-9.477E-02	1.167E-02
109	4	382.50	1	1.621E+04	-1.187E+04	1.702E+03	-9.625E-03	-1.585E+06	2.331E+07	-6.983E-02	-9.347E-03
109	4	382.50	2	-1.618E+04	-1.187E+04	-1.703E+03	-9.207E-03	1.585E+06	2.331E+07	-6.983E-02	9.348E-03
109	5	510.00	1	1.621E+04	-1.404E+04	1.129E+03	-9.625E-03	-1.765E+06	2.166E+07	2.367E-09	2.793E-10
109	5	510.00	2	-1.618E+04	-1.404E+04	-1.129E+03	-9.207E-03	1.765E+06	2.166E+07	2.367E-09	-2.793E-10
110	1	0.00	1	-1.619E+04	-5.355E+03	2.287E+03	9.207E-03	-7.016E+05	2.660E+07	0.000E+00	0.000E+00
110	1	0.00	2	1.620E+04	-5.356E+03	-2.286E+03	9.625E-03	7.016E+05	2.661E+07	0.000E+00	0.000E+00
110	2	127.50	1	-1.619E+04	-7.526E+03	2.287E+03	9.207E-03	-9.931E+05	2.578E+07	-7.219E-02	-7.822E-03
110	2	127.50	2	1.620E+04	-7.527E+03	-2.286E+03	9.625E-03	9.931E+05	2.578E+07	-7.219E-02	7.821E-03
110	3	255.00	1	-1.618E+04	-9.697E+03	2.287E+03	9.207E-03	-1.285E+06	2.469E+07	-9.477E-02	-1.128E-02
110	3	255.00	2	1.620E+04	-9.698E+03	-2.286E+03	9.625E-03	1.285E+06	2.469E+07	-9.477E-02	1.128E-02
110	4	382.50	1	-1.618E+04	-1.187E+04	2.287E+03	9.207E-03	-1.576E+06	2.331E+07	-6.983E-02	-9.102E-03
110	4	382.50	2	1.621E+04	-1.187E+04	-2.286E+03	9.625E-03	1.576E+06	2.331E+07	-6.983E-02	9.102E-03
110	5	510.00	1	-1.618E+04	-1.404E+04	2.287E+03	9.207E-03	-1.868E+06	2.166E+07	2.367E-09	9.684E-10
110	5	510.00	2	1.621E+04	-1.404E+04	-2.286E+03	9.625E-03	1.868E+06	2.166E+07	2.367E-09	-9.684E-10
111	1	0.00	1	1.242E+04	-2.364E+04	2.337E+03	-1.907E-02	-1.188E+06	2.166E+07	0.000E+00	0.000E+00
111	1	0.00	2	-1.238E+04	-2.364E+04	-2.336E+03	-1.867E-02	1.188E+06	2.166E+07	0.000E+00	0.000E+00
111	2	127.25	1	1.243E+04	-2.581E+04	1.764E+03	-1.907E-02	-1.449E+06	1.851E+07	-4.672E-02	-1.035E-02
111	2	127.25	2	-1.238E+04	-2.581E+04	-1.763E+03	-1.867E-02	1.449E+06	1.851E+07	-4.672E-02	1.035E-02
111	3	254.50	1	1.243E+04	-2.797E+04	1.192E+03	-1.907E-02	-1.637E+06	1.509E+07	-5.786E-02	-1.430E-02
111	3	254.50	2	-1.237E+04	-2.797E+04	-1.190E+03	-1.867E-02	1.637E+06	1.509E+07	-5.786E-02	1.430E-02
111	4	381.75	1	1.243E+04	-3.014E+04	6.189E+02	-1.907E-02	-1.752E+06	1.139E+07	-3.994E-02	-1.102E-02
111	4	381.75	2	-1.237E+04	-3.014E+04	-6.177E+02	-1.867E-02	1.752E+06	1.139E+07	-3.994E-02	1.101E-02
111	5	509.00	1	1.243E+04	-3.231E+04	4.632E+01	-1.907E-02	-1.795E+06	7.422E+06	-1.006E-08	-1.813E-09
111	5	509.00	2	-1.237E+04	-3.231E+04	-4.503E+01	-1.867E-02	1.794E+06	7.421E+06	-1.006E-08	1.813E-09
112	1	0.00	1	-1.238E+04	-2.364E+04	1.079E+03	1.867E-02	-1.291E+06	2.166E+07	0.000E+00	0.000E+00
112	1	0.00	2	1.242E+04	-2.364E+04	-1.080E+03	1.907E-02	1.291E+06	2.166E+07	0.000E+00	0.000E+00
112	2	127.25	1	-1.238E+04	-2.581E+04	1.079E+03	1.867E-02	-1.428E+06	1.851E+07	-4.672E-02	-9.969E-03
112	2	127.25	2	1.243E+04	-2.581E+04	-1.080E+03	1.907E-02	1.428E+06	1.851E+07	-4.672E-02	9.970E-03
112	3	254.50	1	-1.237E+04	-2.797E+04	1.079E+03	1.867E-02	-1.565E+06	1.509E+07	-5.786E-02	-1.369E-02
112	3	254.50	2	1.243E+04	-2.797E+04	-1.080E+03	1.907E-02	1.566E+06	1.509E+07	-5.786E-02	1.369E-02
112	4	381.75	1	-1.237E+04	-3.014E+04	1.079E+03	1.867E-02	-1.702E+06	1.139E+07	-3.994E-02	-1.057E-02
112	4	381.75	2	1.243E+04	-3.014E+04	-1.080E+03	1.907E-02	1.703E+06	1.139E+07	-3.994E-02	1.057E-02
112	5	509.00	1	-1.237E+04	-3.231E+04	1.079E+03	1.867E-02	-1.840E+06	7.421E+06	-1.006E-08	-5.743E-10
112	5	509.00	2	1.243E+04	-3.231E+04	-1.080E+03	1.907E-02	1.840E+06	7.422E+06	-1.006E-08	5.744E-10
113	1	0.00	1	9.441E+03	-3.968E+04	8.556E+02	-1.137E-01	-1.338E+06	7.421E+06	0.000E+00	0.000E+00
113	1	0.00	2	-9.353E+03	-3.968E+04	-8.603E+02	-1.138E-01	1.337E+06	7.421E+06	0.000E+00	0.000E+00
113	2	45.25	1	9.442E+03	-4.045E+04	6.519E+02	-1.137E-01	-1.372E+06	5.608E+06	-1.647E-03	-1.168E-03
113	2	45.25	2	-9.352E+03	-4.045E+04	-6.567E+02	-1.138E-01	1.371E+06	5.608E+06	-1.647E-03	1.168E-03
113	3	90.50	1	9.443E+03	-4.123E+04	4.483E+02	-1.137E-01	-1.397E+06	3.760E+06	-1.898E-03	-1.566E-03
113	3	90.50	2	-9.352E+03	-4.123E+04	-4.531E+02	-1.138E-01	1.396E+06	3.760E+06	-1.898E-03	1.566E-03
113	4	135.75	1	9.444E+03	-4.200E+04	2.447E+02	-1.137E-01	-1.412E+06	1.877E+06	-1.198E-03	-1.179E-03
113	4	135.75	2	-9.351E+03	-4.200E+04	-2.494E+02	-1.138E-01	1.412E+06	1.877E+06	-1.198E-03	1.179E-03
113	5	181.00	1	9.444E+03	-4.277E+04	4.106E+01	-1.137E-01	-1.419E+06	-4.036E+04	-2.864E-10	1.908E-10
113	5	181.00	2	-9.350E+03	-4.277E+04	-4.581E+01	-1.138E-01	1.419E+06	-4.070E+04	-2.863E-10	-1.911E-10
114	1	0.00	1	-9.353E+03	-3.968E+04	2.694E+02	1.138E-01	-1.382E+06	7.421E+06	0.000E+00	0.000E+00

114	1	0.00	2	9.441E+03	-3.968E+04	-2.647E+02	1.137E-01	1.383E+06	7.421E+06	0.000E+00	0.000E+00
114	2	45.25	1	-9.352E+03	-4.045E+04	2.694E+02	1.138E-01	-1.394E+06	5.608E+06	-1.647E-03	-1.164E-03
114	2	45.25	2	9.442E+03	-4.045E+04	-2.647E+02	1.137E-01	1.395E+06	5.608E+06	-1.647E-03	1.164E-03
114	3	90.50	1	-9.352E+03	-4.123E+04	2.694E+02	1.138E-01	-1.407E+06	3.760E+06	-1.898E-03	-1.556E-03
114	3	90.50	2	9.443E+03	-4.123E+04	-2.647E+02	1.137E-01	1.407E+06	3.760E+06	-1.898E-03	1.556E-03
114	4	135.75	1	-9.351E+03	-4.200E+04	2.694E+02	1.138E-01	-1.419E+06	1.877E+06	-1.198E-03	-1.170E-03
114	4	135.75	2	9.444E+03	-4.200E+04	-2.647E+02	1.137E-01	1.419E+06	1.877E+06	-1.198E-03	1.170E-03
114	5	181.00	1	-9.350E+03	-4.277E+04	2.694E+02	1.138E-01	-1.431E+06	-4.070E+04	-2.863E-10	7.315E-11
114	5	181.00	2	9.444E+03	-4.277E+04	-2.647E+02	1.137E-01	1.431E+06	-4.036E+04	-2.864E-10	-7.287E-11
115	1	0.00	1	3.511E-10	1.175E+03	3.105E+02	1.793E-16	1.071E+04	-4.053E+04	0.000E+00	0.000E+00
115	1	0.00	2	-1.146E-10	1.175E+03	-3.105E+02	-4.279E-17	-1.071E+04	-4.053E+04	0.000E+00	0.000E+00
115	2	17.25	1	3.511E-10	8.812E+02	2.329E+02	1.793E-16	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06
115	2	17.25	2	-1.146E-10	8.812E+02	-2.329E+02	-4.279E-17	-6.026E+03	-2.280E+04	-9.263E-06	2.166E-06
115	3	34.50	1	3.511E-10	5.874E+02	1.553E+02	1.793E-16	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
115	3	34.50	2	-1.146E-10	5.874E+02	-1.553E+02	-4.279E-17	-2.678E+03	-1.013E+04	-1.262E-05	3.050E-06
115	4	51.75	1	3.511E-10	2.937E+02	7.763E+01	1.793E-16	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06
115	4	51.75	2	-1.146E-10	2.937E+02	-7.763E+01	-4.279E-17	-6.695E+02	-2.533E+03	-9.618E-06	2.382E-06
115	5	69.00	1	3.511E-10	5.437E-10	5.239E-10	1.793E-16	1.596E-08	-7.558E-08	3.799E-13	1.375E-13
115	5	69.00	2	-1.146E-10	5.437E-10	-5.239E-10	-4.279E-17	-1.606E-08	-7.558E-08	3.799E-13	-1.375E-13
116	1	0.00	1	-4.075E-10	1.175E+03	2.794E-09	-1.601E-15	1.640E-07	-4.053E+04	0.000E+00	0.000E+00
116	1	0.00	2	5.239E-10	1.175E+03	-2.794E-09	-1.851E-15	-1.638E-07	-4.053E+04	0.000E+00	0.000E+00
116	2	17.25	1	-4.075E-10	8.812E+02	2.794E-09	-1.601E-15	1.158E-07	-2.280E+04	-9.263E-06	1.008E-17
116	2	17.25	2	5.239E-10	8.812E+02	-2.794E-09	-1.851E-15	-1.156E-07	-2.280E+04	-9.263E-06	-1.008E-17
116	3	34.50	1	-4.075E-10	5.874E+02	2.794E-09	-1.601E-15	6.760E-08	-1.013E+04	-1.262E-05	1.085E-17
116	3	34.50	2	5.239E-10	5.874E+02	-2.794E-09	-1.851E-15	-6.745E-08	-1.013E+04	-1.262E-05	-1.085E-17
116	4	51.75	1	-4.075E-10	2.937E+02	2.794E-09	-1.601E-15	1.940E-08	-2.533E+03	-9.618E-06	6.204E-18
116	4	51.75	2	5.239E-10	2.937E+02	-2.794E-09	-1.851E-15	-1.925E-08	-2.533E+03	-9.618E-06	-6.204E-18
116	5	69.00	1	-4.075E-10	2.511E-11	2.794E-09	-1.601E-15	-2.880E-08	-7.068E-08	3.799E-13	-2.546E-24
116	5	69.00	2	5.239E-10	1.165E-10	-2.794E-09	-1.851E-15	2.894E-08	-6.844E-08	3.799E-13	2.546E-24
117	1	0.00	1	-9.334E-10	-6.092E-10	-4.424E-09	0.000E+00	-4.023E-07	9.740E-08	0.000E+00	0.000E+00
117	1	0.00	2	9.292E-10	3.075E-10	4.424E-09	0.000E+00	4.023E-07	5.642E-08	0.000E+00	0.000E+00
117	2	17.25	1	-9.334E-10	-2.937E+02	-7.763E+01	0.000E+00	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06
117	2	17.25	2	9.292E-10	-2.937E+02	7.763E+01	0.000E+00	-6.695E+02	-2.533E+03	-9.618E-06	2.382E-06
117	3	34.50	1	-9.334E-10	-5.874E+02	-1.553E+02	0.000E+00	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
117	3	34.50	2	9.292E-10	-5.874E+02	1.553E+02	0.000E+00	-2.678E+03	-1.013E+04	-1.262E-05	3.050E-06
117	4	51.75	1	-9.334E-10	-8.812E+02	-2.329E+02	0.000E+00	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06
117	4	51.75	2	9.292E-10	-8.812E+02	2.329E+02	0.000E+00	-6.026E+03	-2.280E+04	-9.263E-06	2.166E-06
117	5	69.00	1	-9.334E-10	-1.175E+03	-3.105E+02	0.000E+00	1.071E+04	-4.053E+04	7.480E-15	3.219E-15
117	5	69.00	2	9.292E-10	-1.175E+03	3.105E+02	0.000E+00	-1.071E+04	-4.053E+04	7.480E-15	-3.219E-15
118	1	0.00	1	9.274E-10	-2.254E-10	1.397E-09	0.000E+00	-3.874E-07	1.544E-08	0.000E+00	0.000E+00
118	1	0.00	2	-9.352E-10	-2.254E-10	-1.397E-09	0.000E+00	3.874E-07	7.994E-09	0.000E+00	0.000E+00
118	2	17.25	1	9.274E-10	-2.937E+02	1.397E-09	0.000E+00	-4.115E-07	-2.533E+03	-9.618E-06	-5.155E-17
118	2	17.25	2	-9.352E-10	-2.937E+02	-1.397E-09	0.000E+00	4.115E-07	-2.533E+03	-9.618E-06	5.155E-17
118	3	34.50	1	9.274E-10	-5.874E+02	1.397E-09	0.000E+00	-4.356E-07	-1.013E+04	-1.262E-05	-7.003E-17
118	3	34.50	2	-9.352E-10	-5.874E+02	-1.397E-09	0.000E+00	4.356E-07	-1.013E+04	-1.262E-05	7.003E-17
118	4	51.75	1	9.274E-10	-8.812E+02	1.397E-09	0.000E+00	-4.597E-07	-2.280E+04	-9.263E-06	-5.349E-17
118	4	51.75	2	-9.352E-10	-8.812E+02	-1.397E-09	0.000E+00	4.597E-07	-2.280E+04	-9.263E-06	5.349E-17
118	5	69.00	1	9.274E-10	-1.175E+03	1.397E-09	0.000E+00	-4.838E-07	-4.053E+04	7.489E-15	9.886E-24
118	5	69.00	2	-9.352E-10	-1.175E+03	-1.397E-09	0.000E+00	4.838E-07	-4.053E+04	7.489E-15	-9.886E-24
119	1	0.00	1	9.350E+03	4.277E+04	-4.592E+01	1.145E-01	-1.419E+06	-4.021E+04	0.000E+00	0.000E+00
119	1	0.00	2	-9.444E+03	4.277E+04	4.095E+01	1.131E-01	1.419E+06	-4.086E+04	0.000E+00	0.000E+00
119	2	45.25	1	9.351E+03	4.200E+04	-2.495E+02	1.145E-01	-1.412E+06	1.878E+06	-1.198E-03	-1.179E-03
119	2	45.25	2	-9.444E+03	4.200E+04	2.446E+02	1.131E-01	1.412E+06	1.877E+06	-1.198E-03	1.179E-03
119	3	90.50	1	9.352E+03	4.122E+04	-4.532E+02	1.145E-01	-1.396E+06	3.760E+06	-1.898E-03	-1.566E-03
119	3	90.50	2	-9.443E+03	4.123E+04	4.482E+02	1.131E-01	1.397E+06	3.760E+06	-1.898E-03	1.566E-03
119	4	135.75	1	9.352E+03	4.045E+04	-6.568E+02	1.145E-01	-1.371E+06	5.608E+06	-1.647E-03	-1.168E-03
119	4	135.75	2	-9.442E+03	4.046E+04	6.518E+02	1.131E-01	1.372E+06	5.608E+06	-1.647E-03	1.168E-03
119	5	181.00	1	9.353E+03	3.968E+04	-8.604E+02	1.145E-01	-1.337E+06	7.421E+06	-3.585E-11	1.443E-10
119	5	181.00	2	-9.441E+03	3.969E+04	8.554E+02	1.131E-01	1.338E+06	7.421E+06	-3.587E-11	-1.443E-10
120	1	0.00	1	-9.444E+03	4.277E+04	-2.646E+02	-1.131E-01	-1.431E+06	-4.086E+04	0.000E+00	0.000E+00
120	1	0.00	2	9.350E+03	4.277E+04	2.696E+02	-1.145E-01	1.431E+06	-4.021E+04	0.000E+00	0.000E+00
120	2	45.25	1	-9.444E+03	4.200E+04	-2.646E+02	-1.131E-01	-1.419E+06	1.877E+06	-1.198E-03	-1.170E-03

120	2	45.25	2	9.351E+03	4.200E+04	2.696E+02	-1.145E-01	1.419E+06	1.878E+06	-1.198E-03	1.170E-03
120	3	90.50	1	-9.443E+03	4.123E+04	-2.646E+02	-1.131E-01	-1.407E+06	3.760E+06	-1.898E-03	-1.556E-03
120	3	90.50	2	9.352E+03	4.122E+04	2.696E+02	-1.145E-01	1.407E+06	3.760E+06	-1.898E-03	1.556E-03
120	4	135.75	1	-9.442E+03	4.046E+04	-2.646E+02	-1.131E-01	-1.395E+06	5.608E+06	-1.647E-03	-1.164E-03
120	4	135.75	2	9.352E+03	4.045E+04	2.696E+02	-1.145E-01	1.394E+06	5.608E+06	-1.647E-03	1.164E-03
120	5	181.00	1	-9.441E+03	3.969E+04	-2.646E+02	-1.131E-01	-1.383E+06	7.421E+06	-3.587E-11	-9.772E-11
120	5	181.00	2	9.353E+03	3.968E+04	2.696E+02	-1.145E-01	1.382E+06	7.421E+06	-3.585E-11	9.773E-11
121	1	0.00	1	1.237E+04	3.231E+04	-4.490E+01	1.935E-02	-1.794E+06	7.422E+06	0.000E+00	0.000E+00
121	1	0.00	2	-1.243E+04	3.231E+04	4.644E+01	1.839E-02	1.795E+06	7.421E+06	0.000E+00	0.000E+00
121	2	127.25	1	1.237E+04	3.014E+04	-6.175E+02	1.935E-02	-1.752E+06	1.139E+07	-3.994E-02	-1.101E-02
121	2	127.25	2	-1.243E+04	3.014E+04	6.191E+02	1.839E-02	1.752E+06	1.139E+07	-3.994E-02	1.102E-02
121	3	254.50	1	1.237E+04	2.797E+04	-1.190E+03	1.935E-02	-1.637E+06	1.509E+07	-5.786E-02	-1.430E-02
121	3	254.50	2	-1.243E+04	2.797E+04	1.192E+03	1.839E-02	1.637E+06	1.509E+07	-5.786E-02	1.430E-02
121	4	381.75	1	1.238E+04	2.581E+04	-1.763E+03	1.935E-02	-1.449E+06	1.851E+07	-4.672E-02	-1.035E-02
121	4	381.75	2	-1.243E+04	2.581E+04	1.764E+03	1.839E-02	1.449E+06	1.851E+07	-4.672E-02	1.035E-02
121	5	509.00	1	1.238E+04	2.364E+04	-2.335E+03	1.935E-02	-1.188E+06	2.166E+07	-5.530E-10	9.654E-10
121	5	509.00	2	-1.242E+04	2.364E+04	2.337E+03	1.839E-02	1.188E+06	2.166E+07	-5.529E-10	-9.660E-10
122	1	0.00	1	-1.243E+04	3.231E+04	-1.080E+03	-1.839E-02	-1.840E+06	7.421E+06	0.000E+00	0.000E+00
122	1	0.00	2	1.237E+04	3.231E+04	1.079E+03	-1.935E-02	1.840E+06	7.422E+06	0.000E+00	0.000E+00
122	2	127.25	1	-1.243E+04	3.014E+04	-1.080E+03	-1.839E-02	-1.703E+06	1.139E+07	-3.994E-02	-1.057E-02
122	2	127.25	2	1.237E+04	3.014E+04	1.079E+03	-1.935E-02	1.702E+06	1.139E+07	-3.994E-02	1.057E-02
122	3	254.50	1	-1.243E+04	2.797E+04	-1.080E+03	-1.839E-02	-1.566E+06	1.509E+07	-5.786E-02	-1.369E-02
122	3	254.50	2	1.237E+04	2.797E+04	1.079E+03	-1.935E-02	1.565E+06	1.509E+07	-5.786E-02	1.369E-02
122	4	381.75	1	-1.243E+04	2.581E+04	-1.080E+03	-1.839E-02	-1.428E+06	1.851E+07	-4.672E-02	-9.970E-03
122	4	381.75	2	1.238E+04	2.581E+04	1.079E+03	-1.935E-02	1.428E+06	1.851E+07	-4.672E-02	9.969E-03
122	5	509.00	1	-1.242E+04	2.364E+04	-1.080E+03	-1.839E-02	-1.291E+06	2.166E+07	-5.529E-10	-8.349E-10
122	5	509.00	2	1.238E+04	2.364E+04	1.079E+03	-1.935E-02	1.291E+06	2.166E+07	-5.530E-10	8.355E-10
123	1	0.00	1	1.618E+04	1.404E+04	-1.127E+03	9.897E-03	-1.765E+06	2.166E+07	0.000E+00	0.000E+00
123	1	0.00	2	-1.621E+04	1.404E+04	1.131E+03	8.935E-03	1.765E+06	2.166E+07	0.000E+00	0.000E+00
123	2	127.50	1	1.618E+04	1.187E+04	-1.700E+03	9.897E-03	-1.585E+06	2.331E+07	-6.983E-02	-9.351E-03
123	2	127.50	2	-1.621E+04	1.187E+04	1.705E+03	8.935E-03	1.584E+06	2.331E+07	-6.983E-02	9.344E-03
123	3	255.00	1	1.618E+04	9.697E+03	-2.274E+03	9.897E-03	-1.332E+06	2.469E+07	-9.477E-02	-1.167E-02
123	3	255.00	2	-1.620E+04	9.698E+03	2.279E+03	8.935E-03	1.331E+06	2.469E+07	-9.477E-02	1.166E-02
123	4	382.50	1	1.619E+04	7.526E+03	-2.848E+03	9.897E-03	-1.005E+06	2.578E+07	-7.219E-02	-8.078E-03
123	4	382.50	2	-1.620E+04	7.527E+03	2.852E+03	8.935E-03	1.003E+06	2.578E+07	-7.219E-02	8.068E-03
123	5	510.00	1	1.619E+04	5.355E+03	-3.422E+03	9.897E-03	-6.056E+05	2.660E+07	-1.346E-09	2.055E-09
123	5	510.00	2	-1.620E+04	5.356E+03	3.426E+03	8.935E-03	6.032E+05	2.661E+07	-1.346E-09	-2.056E-09
124	1	0.00	1	-1.621E+04	1.404E+04	-2.289E+03	-8.935E-03	-1.868E+06	2.166E+07	0.000E+00	0.000E+00
124	1	0.00	2	1.618E+04	1.404E+04	2.284E+03	-9.897E-03	1.868E+06	2.166E+07	0.000E+00	0.000E+00
124	2	127.50	1	-1.621E+04	1.187E+04	-2.289E+03	-8.935E-03	-1.576E+06	2.331E+07	-6.983E-02	-9.098E-03
124	2	127.50	2	1.618E+04	1.187E+04	2.284E+03	-9.897E-03	1.577E+06	2.331E+07	-6.983E-02	9.105E-03
124	3	255.00	1	-1.620E+04	9.698E+03	-2.289E+03	-8.935E-03	-1.284E+06	2.469E+07	-9.477E-02	-1.128E-02
124	3	255.00	2	1.618E+04	9.697E+03	2.284E+03	-9.897E-03	1.285E+06	2.469E+07	-9.477E-02	1.129E-02
124	4	382.50	1	-1.620E+04	7.527E+03	-2.289E+03	-8.935E-03	-9.922E+05	2.578E+07	-7.219E-02	-7.817E-03
124	4	382.50	2	1.619E+04	7.526E+03	2.284E+03	-9.897E-03	9.941E+05	2.578E+07	-7.219E-02	7.826E-03
124	5	510.00	1	-1.620E+04	5.356E+03	-2.289E+03	-8.935E-03	-7.004E+05	2.661E+07	-1.346E-09	2.102E-09
124	5	510.00	2	1.619E+04	5.355E+03	2.284E+03	-9.897E-03	7.028E+05	2.660E+07	-1.346E-09	-2.101E-09
125	1	0.00	1	2.067E+04	-5.356E+03	-2.329E+03	-8.972E-03	-1.286E+06	2.660E+07	0.000E+00	0.000E+00
125	1	0.00	2	-2.066E+04	-5.355E+03	2.245E+03	-9.862E-03	1.283E+06	2.661E+07	0.000E+00	0.000E+00
125	2	127.50	1	2.067E+04	-7.527E+03	-2.903E+03	-8.972E-03	-9.525E+05	2.578E+07	-7.219E-02	-4.510E-03
125	2	127.50	2	-2.066E+04	-7.526E+03	2.819E+03	-9.862E-03	9.606E+05	2.578E+07	-7.219E-02	4.611E-03
125	3	255.00	1	2.067E+04	-9.698E+03	-3.477E+03	-8.972E-03	-5.457E+05	2.469E+07	-9.477E-02	-4.769E-03
125	3	255.00	2	-2.065E+04	-9.697E+03	3.393E+03	-9.862E-03	5.646E+05	2.469E+07	-9.477E-02	4.935E-03
125	4	382.50	1	2.068E+04	-1.187E+04	-4.050E+03	-8.972E-03	-6.589E+04	2.331E+07	-6.983E-02	-2.564E-03
125	4	382.50	2	-2.065E+04	-1.187E+04	3.966E+03	-9.862E-03	9.549E+04	2.331E+07	-6.983E-02	2.712E-03
125	5	510.00	1	2.068E+04	-1.404E+04	-4.624E+03	-8.972E-03	4.871E+05	2.166E+07	2.451E-09	1.163E-09
125	5	510.00	2	-2.065E+04	-1.404E+04	4.540E+03	-9.862E-03	-4.468E+05	2.166E+07	2.451E-09	-1.162E-09
126	1	0.00	1	-2.066E+04	-5.355E+03	-3.381E+03	9.862E-03	-1.381E+06	2.661E+07	0.000E+00	0.000E+00
126	1	0.00	2	2.067E+04	-5.356E+03	3.465E+03	8.972E-03	1.383E+06	2.660E+07	0.000E+00	0.000E+00
126	2	127.50	1	-2.066E+04	-7.526E+03	-3.381E+03	9.862E-03	-9.495E+05	2.578E+07	-7.219E-02	-4.361E-03
126	2	127.50	2	2.067E+04	-7.527E+03	3.465E+03	8.972E-03	9.414E+05	2.578E+07	-7.219E-02	4.260E-03
126	3	255.00	1	-2.065E+04	-9.697E+03	-3.381E+03	9.862E-03	-5.184E+05	2.469E+07	-9.477E-02	-4.553E-03

126	3	255.00	2	2.067E+04	-9.698E+03	3.465E+03	8.972E-03	4.995E+05	2.469E+07	-9.477E-02	4.387E-03
126	4	382.50	1	-2.065E+04	-1.187E+04	-3.381E+03	9.862E-03	-8.729E+04	2.331E+07	-6.983E-02	-2.468E-03
126	4	382.50	2	2.068E+04	-1.187E+04	3.465E+03	8.972E-03	5.768E+04	2.331E+07	-6.983E-02	2.320E-03
126	5	510.00	1	-2.065E+04	-1.404E+04	-3.381E+03	9.862E-03	3.438E+05	2.166E+07	2.451E-09	-5.584E-10
126	5	510.00	2	2.068E+04	-1.404E+04	3.465E+03	8.972E-03	-3.842E+05	2.166E+07	2.451E-09	5.572E-10
127	1	0.00	1	2.551E+04	-2.364E+04	-3.021E+03	-1.848E-02	-2.466E+05	2.166E+07	0.000E+00	0.000E+00
127	1	0.00	2	-2.546E+04	-2.364E+04	3.718E+03	-1.926E-02	2.872E+05	2.166E+07	0.000E+00	0.000E+00
127	2	127.25	1	2.551E+04	-2.581E+04	-3.594E+03	-1.848E-02	1.743E+05	1.851E+07	-4.671E-02	3.280E-03
127	2	127.25	2	-2.546E+04	-2.581E+04	4.291E+03	-1.926E-02	-2.224E+05	1.851E+07	-4.672E-02	-3.983E-03
127	3	254.50	1	2.551E+04	-2.797E+04	-4.166E+03	-1.848E-02	6.681E+05	1.509E+07	-5.785E-02	5.866E-03
127	3	254.50	2	-2.546E+04	-2.797E+04	4.863E+03	-1.926E-02	-8.048E+05	1.509E+07	-5.786E-02	-7.062E-03
127	4	381.75	1	2.551E+04	-3.014E+04	-4.739E+03	-1.848E-02	1.235E+06	1.139E+07	-3.994E-02	5.599E-03
127	4	381.75	2	-2.546E+04	-3.014E+04	5.436E+03	-1.926E-02	-1.460E+06	1.140E+07	-3.994E-02	-6.690E-03
127	5	509.00	1	2.552E+04	-3.231E+04	-5.312E+03	-1.848E-02	1.874E+06	7.420E+06	-9.713E-09	4.486E-11
127	5	509.00	2	-2.545E+04	-3.231E+04	6.008E+03	-1.926E-02	-2.188E+06	7.422E+06	-9.714E-09	-5.266E-11
128	1	0.00	1	-2.546E+04	-2.364E+04	-4.984E+03	1.926E-02	-3.902E+05	2.166E+07	0.000E+00	0.000E+00
128	1	0.00	2	2.551E+04	-2.364E+04	4.288E+03	1.848E-02	3.496E+05	2.166E+07	0.000E+00	0.000E+00
128	2	127.25	1	-2.546E+04	-2.581E+04	-4.984E+03	1.926E-02	2.440E+05	1.851E+07	-4.672E-02	4.375E-03
128	2	127.25	2	2.551E+04	-2.581E+04	4.288E+03	1.848E-02	-1.960E+05	1.851E+07	-4.671E-02	-3.672E-03
128	3	254.50	1	-2.546E+04	-2.797E+04	-4.984E+03	1.926E-02	8.783E+05	1.509E+07	-5.786E-02	7.683E-03
128	3	254.50	2	2.551E+04	-2.797E+04	4.288E+03	1.848E-02	-7.416E+05	1.509E+07	-5.785E-02	-6.487E-03
128	4	381.75	1	-2.546E+04	-3.014E+04	-4.984E+03	1.926E-02	1.513E+06	1.140E+07	-3.994E-02	7.149E-03
128	4	381.75	2	2.551E+04	-3.014E+04	4.288E+03	1.848E-02	-1.287E+06	1.139E+07	-3.994E-02	-6.059E-03
128	5	509.00	1	-2.545E+04	-3.231E+04	-4.984E+03	1.926E-02	2.147E+06	7.422E+06	-9.714E-09	2.146E-10
128	5	509.00	2	2.552E+04	-3.231E+04	4.288E+03	1.848E-02	-1.833E+06	7.420E+06	-9.713E-09	-2.068E-10
129	1	0.00	1	3.014E+04	-3.968E+04	-5.780E+03	-1.138E-01	1.171E+06	7.420E+06	0.000E+00	0.000E+00
129	1	0.00	2	-3.005E+04	-3.969E+04	3.950E+03	-1.137E-01	-1.488E+06	7.422E+06	0.000E+00	0.000E+00
129	2	45.25	1	3.014E+04	-4.045E+04	-5.984E+03	-1.138E-01	1.437E+06	5.607E+06	-1.647E-03	1.328E-03
129	2	45.25	2	-3.005E+04	-4.046E+04	4.154E+03	-1.137E-01	-1.671E+06	5.609E+06	-1.647E-03	-1.477E-03
129	3	90.50	1	3.014E+04	-4.122E+04	-6.187E+03	-1.138E-01	1.712E+06	3.759E+06	-1.897E-03	1.873E-03
129	3	90.50	2	-3.005E+04	-4.123E+04	4.357E+03	-1.137E-01	-1.864E+06	3.761E+06	-1.898E-03	-2.041E-03
129	4	135.75	1	3.014E+04	-4.199E+04	-6.391E+03	-1.138E-01	1.997E+06	1.877E+06	-1.197E-03	1.483E-03
129	4	135.75	2	-3.005E+04	-4.200E+04	4.561E+03	-1.137E-01	-2.065E+06	1.878E+06	-1.198E-03	-1.586E-03
129	5	181.00	1	3.014E+04	-4.276E+04	-6.595E+03	-1.138E-01	2.291E+06	-4.081E+04	-6.289E-10	3.202E-10
129	5	181.00	2	-3.005E+04	-4.277E+04	4.765E+03	-1.137E-01	-2.276E+06	-4.026E+04	-6.289E-10	-2.804E-10
130	1	0.00	1	-3.005E+04	-3.969E+04	-4.516E+03	1.137E-01	1.447E+06	7.422E+06	0.000E+00	0.000E+00
130	1	0.00	2	3.014E+04	-3.968E+04	6.346E+03	1.138E-01	-1.130E+06	7.420E+06	0.000E+00	0.000E+00
130	2	45.25	1	-3.005E+04	-4.046E+04	-4.516E+03	1.137E-01	1.651E+06	5.609E+06	-1.647E-03	1.483E-03
130	2	45.25	2	3.014E+04	-4.045E+04	6.346E+03	1.138E-01	-1.417E+06	5.607E+06	-1.647E-03	-1.335E-03
130	3	90.50	1	-3.005E+04	-4.123E+04	-4.516E+03	1.137E-01	1.856E+06	3.761E+06	-1.898E-03	2.053E-03
130	3	90.50	2	3.014E+04	-4.122E+04	6.346E+03	1.138E-01	-1.704E+06	3.759E+06	-1.897E-03	-1.885E-03
130	4	135.75	1	-3.005E+04	-4.200E+04	-4.516E+03	1.137E-01	2.060E+06	1.878E+06	-1.198E-03	1.596E-03
130	4	135.75	2	3.014E+04	-4.199E+04	6.346E+03	1.138E-01	-1.992E+06	1.877E+06	-1.197E-03	-1.493E-03
130	5	181.00	1	-3.005E+04	-4.277E+04	-4.516E+03	1.137E-01	2.264E+06	-4.026E+04	-6.289E-10	2.217E-10
130	5	181.00	2	3.014E+04	-4.276E+04	6.346E+03	1.138E-01	-2.279E+06	-4.081E+04	-6.289E-10	-2.615E-10
131	1	0.00	1	-1.703E+00	1.175E+03	3.105E+02	1.025E-10	1.071E+04	-4.053E+04	0.000E+00	0.000E+00
131	1	0.00	2	-1.703E+00	1.175E+03	-3.105E+02	-9.521E-11	-1.071E+04	-4.053E+04	0.000E+00	0.000E+00
131	2	17.25	1	-1.277E+00	8.812E+02	2.329E+02	1.025E-10	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06
131	2	17.25	2	-1.277E+00	8.812E+02	-2.329E+02	-9.521E-11	-6.026E+03	-2.280E+04	-9.263E-06	2.166E-06
131	3	34.50	1	-8.514E-01	5.874E+02	1.553E+02	1.025E-10	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
131	3	34.50	2	-8.514E-01	5.874E+02	-1.553E+02	-9.521E-11	-2.678E+03	-1.013E+04	-1.262E-05	3.050E-06
131	4	51.75	1	-4.257E-01	2.937E+02	7.763E+01	1.025E-10	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06
131	4	51.75	2	-4.257E-01	2.937E+02	-7.763E+01	-9.521E-11	-6.695E+02	-2.533E+03	-9.618E-06	2.382E-06
131	5	69.00	1	-1.111E-09	3.018E-10	2.999E-09	1.025E-10	2.648E-08	6.719E-08	1.621E-13	-2.431E-13
131	5	69.00	2	7.548E-10	-6.440E-10	-3.036E-09	-9.521E-11	-2.797E-08	2.428E-08	1.621E-13	2.431E-13
132	1	0.00	1	-1.703E+00	1.175E+03	-1.174E-09	5.207E-11	-7.749E-09	-4.053E+04	0.000E+00	0.000E+00
132	1	0.00	2	-1.703E+00	1.175E+03	9.213E-10	-4.752E-11	-7.749E-09	-4.053E+04	0.000E+00	0.000E+00
132	2	17.25	1	-1.277E+00	8.812E+02	-1.174E-09	5.207E-11	1.251E-08	-2.280E+04	-9.263E-06	3.171E-18
132	2	17.25	2	-1.277E+00	8.812E+02	9.213E-10	-4.752E-11	-2.364E-08	-2.280E+04	-9.263E-06	-4.092E-18
132	3	34.50	1	-8.514E-01	5.874E+02	-1.174E-09	5.207E-11	3.276E-08	-1.013E+04	-1.262E-05	5.310E-18
132	3	34.50	2	-8.514E-01	5.874E+02	9.213E-10	-4.752E-11	-3.953E-08	-1.013E+04	-1.262E-05	-6.311E-18
132	4	51.75	1	-4.257E-01	2.937E+02	-1.174E-09	5.207E-11	5.301E-08	-2.533E+03	-9.618E-06	4.794E-18

132	4	51.75	2	-4.257E-01	2.937E+02	9.213E-10	-4.752E-11	-5.543E-08	-2.533E+03	-9.618E-06	-5.375E-18
132	5	69.00	1	6.913E-10	9.712E-10	-1.174E-09	5.207E-11	7.327E-08	-9.942E-08	1.621E-13	1.824E-25
132	5	69.00	2	-6.111E-10	-6.877E-10	9.213E-10	-4.752E-11	-7.132E-08	-2.176E-07	1.621E-13	-2.077E-25
133	1	0.00	1	8.094E-11	-3.382E-10	-7.064E-10	-2.763E-11	1.651E-09	5.033E-08	0.000E+00	0.000E+00
133	1	0.00	2	-8.277E-11	2.730E-10	7.015E-10	2.793E-11	-1.776E-09	6.151E-08	0.000E+00	0.000E+00
133	2	17.25	1	4.257E-01	-2.937E+02	-7.763E+01	-2.763E-11	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06
133	2	17.25	2	4.257E-01	-2.937E+02	7.763E+01	2.793E-11	-6.695E+02	-2.533E+03	-9.618E-06	2.382E-06
133	3	34.50	1	8.514E-01	-5.874E+02	-1.553E+02	-2.763E-11	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
133	3	34.50	2	8.514E-01	-5.874E+02	1.553E+02	2.793E-11	-2.678E+03	-1.013E+04	-1.262E-05	3.050E-06
133	4	51.75	1	1.277E+00	-8.812E+02	-2.329E+02	-2.763E-11	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06
133	4	51.75	2	1.277E+00	-8.812E+02	2.329E+02	2.793E-11	-6.026E+03	-2.280E+04	-9.263E-06	2.166E-06
133	5	69.00	1	1.703E+00	-1.175E+03	-3.105E+02	-2.763E-11	1.071E+04	-4.053E+04	-1.370E-14	-2.245E-15
133	5	69.00	2	1.703E+00	-1.175E+03	3.105E+02	2.793E-11	-1.071E+04	-4.053E+04	-1.370E-14	2.245E-15
134	1	0.00	1	-2.956E-10	1.857E-10	2.751E-10	-2.793E-11	1.506E-08	5.219E-08	0.000E+00	0.000E+00
134	1	0.00	2	2.901E-10	-3.819E-10	-2.778E-10	2.763E-11	-1.474E-08	1.006E-07	0.000E+00	0.000E+00
134	2	17.25	1	4.257E-01	-2.937E+02	2.751E-10	-2.793E-11	1.031E-08	-2.533E+03	-9.618E-06	8.382E-19
134	2	17.25	2	4.257E-01	-2.937E+02	-2.778E-10	2.763E-11	-9.951E-09	-2.533E+03	-9.618E-06	-8.382E-19
134	3	34.50	1	8.514E-01	-5.874E+02	2.751E-10	-2.793E-11	5.566E-09	-1.013E+04	-1.262E-05	8.620E-19
134	3	34.50	2	8.514E-01	-5.874E+02	-2.778E-10	2.763E-11	-5.159E-09	-1.013E+04	-1.262E-05	-8.620E-19
134	4	51.75	1	1.277E+00	-8.812E+02	2.751E-10	-2.793E-11	8.198E-10	-2.280E+04	-9.263E-06	4.548E-19
134	4	51.75	2	1.277E+00	-8.812E+02	-2.778E-10	2.763E-11	-3.661E-10	-2.280E+04	-9.263E-06	-4.548E-19
134	5	69.00	1	1.703E+00	-1.175E+03	2.751E-10	-2.793E-11	-3.926E-09	-4.053E+04	-1.370E-14	6.531E-25
134	5	69.00	2	1.703E+00	-1.175E+03	-2.778E-10	2.763E-11	4.426E-09	-4.053E+04	-1.370E-14	-6.531E-25
135	1	0.00	1	3.005E+04	4.277E+04	6.609E+03	1.124E-01	2.291E+06	-4.130E+04	0.000E+00	0.000E+00
135	1	0.00	2	-3.014E+04	4.276E+04	-4.750E+03	1.152E-01	-2.276E+06	-3.977E+04	0.000E+00	0.000E+00
135	2	45.25	1	3.005E+04	4.200E+04	6.405E+03	1.124E-01	1.996E+06	1.877E+06	-1.198E-03	1.482E-03
135	2	45.25	2	-3.014E+04	4.199E+04	-4.547E+03	1.152E-01	-2.066E+06	1.878E+06	-1.198E-03	-1.586E-03
135	3	90.50	1	3.005E+04	4.123E+04	6.202E+03	1.124E-01	1.711E+06	3.760E+06	-1.898E-03	1.872E-03
135	3	90.50	2	-3.014E+04	4.122E+04	-4.343E+03	1.152E-01	-1.865E+06	3.760E+06	-1.898E-03	-2.042E-03
135	4	135.75	1	3.005E+04	4.046E+04	5.998E+03	1.124E-01	1.435E+06	5.608E+06	-1.647E-03	1.327E-03
135	4	135.75	2	-3.014E+04	4.045E+04	-4.139E+03	1.152E-01	-1.673E+06	5.608E+06	-1.647E-03	-1.478E-03
135	5	181.00	1	3.005E+04	3.969E+04	5.794E+03	1.124E-01	1.168E+06	7.422E+06	-1.187E-10	3.008E-10
135	5	181.00	2	-3.014E+04	3.968E+04	-3.936E+03	1.152E-01	-1.490E+06	7.421E+06	-1.187E-10	-3.029E-10
136	1	0.00	1	-3.014E+04	4.276E+04	4.502E+03	-1.152E-01	2.264E+06	-3.977E+04	0.000E+00	0.000E+00
136	1	0.00	2	3.005E+04	4.277E+04	-6.360E+03	-1.124E-01	-2.279E+06	-4.130E+04	0.000E+00	0.000E+00
136	2	45.25	1	-3.014E+04	4.199E+04	4.502E+03	-1.152E-01	2.061E+06	1.878E+06	-1.198E-03	1.597E-03
136	2	45.25	2	3.005E+04	4.200E+04	-6.360E+03	-1.124E-01	-1.991E+06	1.877E+06	-1.198E-03	-1.492E-03
136	3	90.50	1	-3.014E+04	4.122E+04	4.502E+03	-1.152E-01	1.857E+06	3.760E+06	-1.898E-03	2.054E-03
136	3	90.50	2	3.005E+04	4.123E+04	-6.360E+03	-1.124E-01	-1.703E+06	3.760E+06	-1.898E-03	-1.884E-03
136	4	135.75	1	-3.014E+04	4.045E+04	4.502E+03	-1.152E-01	1.653E+06	5.608E+06	-1.647E-03	1.484E-03
136	4	135.75	2	3.005E+04	4.046E+04	-6.360E+03	-1.124E-01	-1.415E+06	5.608E+06	-1.647E-03	-1.333E-03
136	5	181.00	1	-3.014E+04	3.968E+04	4.502E+03	-1.152E-01	1.450E+06	7.421E+06	-1.187E-10	1.149E-10
136	5	181.00	2	3.005E+04	3.969E+04	-6.360E+03	-1.124E-01	-1.127E+06	7.422E+06	-1.187E-10	-1.128E-10
137	1	0.00	1	2.545E+04	3.231E+04	5.306E+03	1.784E-02	1.872E+06	7.421E+06	0.000E+00	0.000E+00
137	1	0.00	2	-2.552E+04	3.231E+04	-6.014E+03	1.990E-02	-2.191E+06	7.421E+06	0.000E+00	0.000E+00
137	2	127.25	1	2.546E+04	3.014E+04	4.733E+03	1.784E-02	1.233E+06	1.139E+07	-3.994E-02	5.590E-03
137	2	127.25	2	-2.551E+04	3.014E+04	-5.442E+03	1.990E-02	-1.462E+06	1.139E+07	-3.994E-02	-6.699E-03
137	3	254.50	1	2.546E+04	2.797E+04	4.160E+03	1.784E-02	6.670E+05	1.509E+07	-5.786E-02	5.857E-03
137	3	254.50	2	-2.551E+04	2.797E+04	-4.869E+03	1.990E-02	-8.059E+05	1.509E+07	-5.786E-02	-7.072E-03
137	4	381.75	1	2.546E+04	2.581E+04	3.588E+03	1.784E-02	1.740E+05	1.851E+07	-4.672E-02	3.275E-03
137	4	381.75	2	-2.551E+04	2.581E+04	-4.297E+03	1.990E-02	-2.227E+05	1.851E+07	-4.672E-02	-3.989E-03
137	5	509.00	1	2.546E+04	2.364E+04	3.015E+03	1.784E-02	-2.462E+05	2.166E+07	-1.046E-09	-1.390E-09
137	5	509.00	2	-2.551E+04	2.364E+04	-3.724E+03	1.990E-02	2.876E+05	2.166E+07	-1.046E-09	1.247E-09
138	1	0.00	1	-2.552E+04	3.231E+04	4.990E+03	-1.990E-02	2.149E+06	7.421E+06	0.000E+00	0.000E+00
138	1	0.00	2	2.545E+04	3.231E+04	-4.282E+03	-1.784E-02	-1.830E+06	7.421E+06	0.000E+00	0.000E+00
138	2	127.25	1	-2.551E+04	3.014E+04	4.990E+03	-1.990E-02	1.514E+06	1.139E+07	-3.994E-02	7.158E-03
138	2	127.25	2	2.546E+04	3.014E+04	-4.282E+03	-1.784E-02	-1.285E+06	1.139E+07	-3.994E-02	-6.050E-03
138	3	254.50	1	-2.551E+04	2.797E+04	4.990E+03	-1.990E-02	8.794E+05	1.509E+07	-5.786E-02	7.693E-03
138	3	254.50	2	2.546E+04	2.797E+04	-4.282E+03	-1.784E-02	-7.405E+05	1.509E+07	-5.786E-02	-6.477E-03
138	4	381.75	1	-2.551E+04	2.581E+04	4.990E+03	-1.990E-02	2.444E+05	1.851E+07	-4.672E-02	4.381E-03
138	4	381.75	2	2.546E+04	2.581E+04	-4.282E+03	-1.784E-02	-1.956E+05	1.851E+07	-4.672E-02	-3.667E-03
138	5	509.00	1	-2.551E+04	2.364E+04	4.990E+03	-1.990E-02	-3.906E+05	2.166E+07	-1.046E-09	1.610E-09

138	5	509.00	2	2.546E+04	2.364E+04	-4.282E+03	-1.784E-02	3.492E+05	2.166E+07	-1.046E-09	-1.467E-09
139	1	0.00	1	2.065E+04	1.404E+04	4.625E+03	8.422E-03	4.874E+05	2.166E+07	0.000E+00	0.000E+00
139	1	0.00	2	-2.068E+04	1.404E+04	-4.540E+03	1.041E-02	-4.465E+05	2.166E+07	0.000E+00	0.000E+00
139	2	127.50	1	2.065E+04	1.187E+04	4.051E+03	8.422E-03	-6.566E+04	2.331E+07	-6.983E-02	-2.562E-03
139	2	127.50	2	-2.068E+04	1.187E+04	-3.966E+03	1.041E-02	9.572E+04	2.331E+07	-6.983E-02	2.713E-03
139	3	255.00	1	2.065E+04	9.698E+03	3.477E+03	8.422E-03	-5.456E+05	2.469E+07	-9.477E-02	-4.768E-03
139	3	255.00	2	-2.067E+04	9.697E+03	-3.392E+03	1.041E-02	5.648E+05	2.469E+07	-9.477E-02	4.937E-03
139	4	382.50	1	2.066E+04	7.527E+03	2.903E+03	8.422E-03	-9.524E+05	2.578E+07	-7.219E-02	-4.509E-03
139	4	382.50	2	-2.067E+04	7.526E+03	-2.818E+03	1.041E-02	9.607E+05	2.578E+07	-7.219E-02	4.612E-03
139	5	510.00	1	2.066E+04	5.356E+03	2.330E+03	8.422E-03	-1.286E+06	2.661E+07	-1.171E-09	2.297E-10
139	5	510.00	2	-2.067E+04	5.355E+03	-2.245E+03	1.041E-02	1.283E+06	2.660E+07	-1.170E-09	-2.327E-10
140	1	0.00	1	-2.068E+04	1.404E+04	3.381E+03	-1.041E-02	3.435E+05	2.166E+07	0.000E+00	0.000E+00
140	1	0.00	2	2.065E+04	1.404E+04	-3.466E+03	-8.422E-03	-3.844E+05	2.166E+07	0.000E+00	0.000E+00
140	2	127.50	1	-2.068E+04	1.187E+04	3.381E+03	-1.041E-02	-8.751E+04	2.331E+07	-6.983E-02	-2.469E-03
140	2	127.50	2	2.065E+04	1.187E+04	-3.466E+03	-8.422E-03	5.746E+04	2.331E+07	-6.983E-02	2.319E-03
140	3	255.00	1	-2.067E+04	9.697E+03	3.381E+03	-1.041E-02	-5.186E+05	2.469E+07	-9.477E-02	-4.554E-03
140	3	255.00	2	2.065E+04	9.698E+03	-3.466E+03	-8.422E-03	4.994E+05	2.469E+07	-9.477E-02	4.385E-03
140	4	382.50	1	-2.067E+04	7.526E+03	3.381E+03	-1.041E-02	-9.496E+05	2.578E+07	-7.219E-02	-4.362E-03
140	4	382.50	2	2.066E+04	7.527E+03	-3.466E+03	-8.422E-03	9.413E+05	2.578E+07	-7.219E-02	4.259E-03
140	5	510.00	1	-2.067E+04	5.355E+03	3.381E+03	-1.041E-02	-1.381E+06	2.660E+07	-1.170E-09	-4.269E-11
140	5	510.00	2	2.066E+04	5.356E+03	-3.466E+03	-8.422E-03	1.383E+06	2.661E+07	-1.171E-09	4.565E-11
141	1	0.00	1	1.620E+04	-5.355E+03	3.421E+03	-1.037E-02	-6.057E+05	2.661E+07	0.000E+00	0.000E+00
141	1	0.00	2	-1.619E+04	-5.356E+03	-3.426E+03	-8.458E-03	6.031E+05	2.661E+07	0.000E+00	0.000E+00
141	2	127.50	1	1.620E+04	-7.526E+03	2.848E+03	-1.037E-02	-1.005E+06	2.578E+07	-7.219E-02	-8.078E-03
141	2	127.50	2	-1.619E+04	-7.527E+03	-2.853E+03	-8.458E-03	1.003E+06	2.578E+07	-7.219E-02	8.068E-03
141	3	255.00	1	1.620E+04	-9.697E+03	2.274E+03	-1.037E-02	-1.332E+06	2.469E+07	-9.477E-02	-1.167E-02
141	3	255.00	2	-1.618E+04	-9.698E+03	-2.279E+03	-8.458E-03	1.331E+06	2.469E+07	-9.477E-02	1.166E-02
141	4	382.50	1	1.621E+04	-1.187E+04	1.700E+03	-1.037E-02	-1.585E+06	2.331E+07	-6.983E-02	-9.351E-03
141	4	382.50	2	-1.618E+04	-1.187E+04	-1.705E+03	-8.458E-03	1.585E+06	2.331E+07	-6.983E-02	9.344E-03
141	5	510.00	1	1.621E+04	-1.404E+04	1.126E+03	-1.037E-02	-1.765E+06	2.166E+07	2.367E-09	2.812E-09
141	5	510.00	2	-1.618E+04	-1.404E+04	-1.131E+03	-8.458E-03	1.765E+06	2.166E+07	2.367E-09	-2.811E-09
142	1	0.00	1	-1.619E+04	-5.356E+03	2.289E+03	8.458E-03	-7.003E+05	2.661E+07	0.000E+00	0.000E+00
142	1	0.00	2	1.620E+04	-5.355E+03	-2.284E+03	1.037E-02	7.029E+05	2.661E+07	0.000E+00	0.000E+00
142	2	127.50	1	-1.619E+04	-7.527E+03	2.289E+03	8.458E-03	-9.922E+05	2.578E+07	-7.219E-02	-7.817E-03
142	2	127.50	2	1.620E+04	-7.526E+03	-2.284E+03	1.037E-02	9.941E+05	2.578E+07	-7.219E-02	7.826E-03
142	3	255.00	1	-1.618E+04	-9.698E+03	2.289E+03	8.458E-03	-1.284E+06	2.469E+07	-9.477E-02	-1.128E-02
142	3	255.00	2	1.620E+04	-9.697E+03	-2.284E+03	1.037E-02	1.285E+06	2.469E+07	-9.477E-02	1.129E-02
142	4	382.50	1	-1.618E+04	-1.187E+04	2.289E+03	8.458E-03	-1.576E+06	2.331E+07	-6.983E-02	-9.098E-03
142	4	382.50	2	1.621E+04	-1.187E+04	-2.284E+03	1.037E-02	1.577E+06	2.331E+07	-6.983E-02	9.105E-03
142	5	510.00	1	-1.618E+04	-1.404E+04	2.289E+03	8.458E-03	-1.868E+06	2.166E+07	2.367E-09	-2.631E-10
142	5	510.00	2	1.621E+04	-1.404E+04	-2.284E+03	1.037E-02	1.868E+06	2.166E+07	2.367E-09	2.621E-10
143	1	0.00	1	1.242E+04	-2.364E+04	2.337E+03	-1.981E-02	-1.188E+06	2.166E+07	0.000E+00	0.000E+00
143	1	0.00	2	-1.238E+04	-2.364E+04	-2.336E+03	-1.793E-02	1.188E+06	2.166E+07	0.000E+00	0.000E+00
143	2	127.25	1	1.243E+04	-2.581E+04	1.764E+03	-1.981E-02	-1.449E+06	1.851E+07	-4.672E-02	-1.035E-02
143	2	127.25	2	-1.238E+04	-2.581E+04	-1.763E+03	-1.793E-02	1.449E+06	1.851E+07	-4.672E-02	1.035E-02
143	3	254.50	1	1.243E+04	-2.797E+04	1.191E+03	-1.981E-02	-1.637E+06	1.509E+07	-5.786E-02	-1.430E-02
143	3	254.50	2	-1.237E+04	-2.797E+04	-1.190E+03	-1.793E-02	1.637E+06	1.509E+07	-5.785E-02	1.430E-02
143	4	381.75	1	1.243E+04	-3.014E+04	6.188E+02	-1.981E-02	-1.752E+06	1.140E+07	-3.994E-02	-1.102E-02
143	4	381.75	2	-1.237E+04	-3.014E+04	-6.178E+02	-1.793E-02	1.752E+06	1.139E+07	-3.994E-02	1.101E-02
143	5	509.00	1	1.243E+04	-3.231E+04	4.619E+01	-1.981E-02	-1.795E+06	7.422E+06	-1.006E-08	-1.068E-09
143	5	509.00	2	-1.237E+04	-3.231E+04	-4.516E+01	-1.793E-02	1.794E+06	7.420E+06	-1.006E-08	1.069E-09
144	1	0.00	1	-1.238E+04	-2.364E+04	1.079E+03	1.793E-02	-1.291E+06	2.166E+07	0.000E+00	0.000E+00
144	1	0.00	2	1.242E+04	-2.364E+04	-1.080E+03	1.981E-02	1.291E+06	2.166E+07	0.000E+00	0.000E+00
144	2	127.25	1	-1.238E+04	-2.581E+04	1.079E+03	1.793E-02	-1.428E+06	1.851E+07	-4.672E-02	-9.969E-03
144	2	127.25	2	1.243E+04	-2.581E+04	-1.080E+03	1.981E-02	1.428E+06	1.851E+07	-4.672E-02	9.971E-03
144	3	254.50	1	-1.237E+04	-2.797E+04	1.079E+03	1.793E-02	-1.565E+06	1.509E+07	-5.785E-02	-1.369E-02
144	3	254.50	2	1.243E+04	-2.797E+04	-1.080E+03	1.981E-02	1.566E+06	1.509E+07	-5.786E-02	1.369E-02
144	4	381.75	1	-1.237E+04	-3.014E+04	1.079E+03	1.793E-02	-1.702E+06	1.139E+07	-3.994E-02	-1.057E-02
144	4	381.75	2	1.243E+04	-3.014E+04	-1.080E+03	1.981E-02	1.703E+06	1.140E+07	-3.994E-02	1.057E-02
144	5	509.00	1	-1.237E+04	-3.231E+04	1.079E+03	1.793E-02	-1.840E+06	7.420E+06	-1.006E-08	2.090E-09
144	5	509.00	2	1.243E+04	-3.231E+04	-1.080E+03	1.981E-02	1.840E+06	7.422E+06	-1.006E-08	-2.091E-09
145	1	0.00	1	9.441E+03	-3.968E+04	8.557E+02	-1.145E-01	-1.338E+06	7.422E+06	0.000E+00	0.000E+00

145	1	0.00	2	-9.353E+03	-3.969E+04	-8.602E+02	-1.131E-01	1.337E+06	7.421E+06	0.000E+00	0.000E+00
145	2	45.25	1	9.442E+03	-4.045E+04	6.521E+02	-1.145E-01	-1.372E+06	5.609E+06	-1.647E-03	-1.168E-03
145	2	45.25	2	-9.352E+03	-4.046E+04	-6.566E+02	-1.131E-01	1.371E+06	5.608E+06	-1.647E-03	1.168E-03
145	3	90.50	1	9.443E+03	-4.122E+04	4.484E+02	-1.145E-01	-1.397E+06	3.761E+06	-1.898E-03	-1.566E-03
145	3	90.50	2	-9.352E+03	-4.123E+04	-4.529E+02	-1.131E-01	1.396E+06	3.759E+06	-1.897E-03	1.566E-03
145	4	135.75	1	9.444E+03	-4.200E+04	2.448E+02	-1.145E-01	-1.412E+06	1.878E+06	-1.198E-03	-1.179E-03
145	4	135.75	2	-9.351E+03	-4.200E+04	-2.493E+02	-1.131E-01	1.412E+06	1.877E+06	-1.197E-03	1.179E-03
145	5	181.00	1	9.444E+03	-4.277E+04	4.118E+01	-1.145E-01	-1.419E+06	-3.982E+04	-2.863E-10	2.060E-11
145	5	181.00	2	-9.350E+03	-4.277E+04	-4.569E+01	-1.131E-01	1.419E+06	-4.125E+04	-2.864E-10	-2.062E-11
146	1	0.00	1	-9.353E+03	-3.969E+04	2.693E+02	1.131E-01	-1.382E+06	7.421E+06	0.000E+00	0.000E+00
146	1	0.00	2	9.441E+03	-3.968E+04	-2.648E+02	1.145E-01	1.383E+06	7.422E+06	0.000E+00	0.000E+00
146	2	45.25	1	-9.352E+03	-4.046E+04	2.693E+02	1.131E-01	-1.394E+06	5.608E+06	-1.647E-03	-1.164E-03
146	2	45.25	2	9.442E+03	-4.045E+04	-2.648E+02	1.145E-01	1.395E+06	5.609E+06	-1.647E-03	1.164E-03
146	3	90.50	1	-9.352E+03	-4.123E+04	2.693E+02	1.131E-01	-1.407E+06	3.759E+06	-1.897E-03	-1.556E-03
146	3	90.50	2	9.443E+03	-4.122E+04	-2.648E+02	1.145E-01	1.407E+06	3.761E+06	-1.898E-03	1.556E-03
146	4	135.75	1	-9.351E+03	-4.200E+04	2.693E+02	1.131E-01	-1.419E+06	1.877E+06	-1.197E-03	-1.170E-03
146	4	135.75	2	9.444E+03	-4.200E+04	-2.648E+02	1.145E-01	1.419E+06	1.878E+06	-1.198E-03	1.170E-03
146	5	181.00	1	-9.350E+03	-4.277E+04	2.693E+02	1.131E-01	-1.431E+06	-4.125E+04	-2.864E-10	-2.395E-10
146	5	181.00	2	9.444E+03	-4.277E+04	-2.648E+02	1.145E-01	1.431E+06	-3.982E+04	-2.863E-10	2.395E-10
147	1	0.00	1	-4.692E-10	1.175E+03	3.105E+02	-1.579E-16	1.071E+04	-4.053E+04	0.000E+00	0.000E+00
147	1	0.00	2	4.621E-10	1.175E+03	-3.105E+02	7.303E-16	-1.071E+04	-4.053E+04	0.000E+00	0.000E+00
147	2	17.25	1	-4.692E-10	8.812E+02	2.329E+02	-1.579E-16	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06
147	2	17.25	2	4.621E-10	8.812E+02	-2.329E+02	7.303E-16	-6.026E+03	-2.280E+04	-9.263E-06	2.166E-06
147	3	34.50	1	-4.692E-10	5.874E+02	1.553E+02	-1.579E-16	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
147	3	34.50	2	4.621E-10	5.874E+02	-1.553E+02	7.303E-16	-2.678E+03	-1.013E+04	-1.262E-05	3.050E-06
147	4	51.75	1	-4.692E-10	2.937E+02	7.763E+01	-1.579E-16	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06
147	4	51.75	2	4.621E-10	2.937E+02	-7.763E+01	7.303E-16	-6.695E+02	-2.533E+03	-9.618E-06	2.382E-06
147	5	69.00	1	-4.692E-10	-5.585E-12	3.311E-09	-1.579E-16	-1.211E-07	1.923E-08	3.799E-13	1.375E-13
147	5	69.00	2	4.621E-10	1.639E-09	-3.310E-09	7.303E-16	1.211E-07	3.211E-08	3.799E-13	-1.375E-13
148	1	0.00	1	-7.276E-12	1.175E+03	-4.305E-09	7.697E-16	-2.950E-05	-4.053E+04	0.000E+00	0.000E+00
148	1	0.00	2	-7.276E-12	1.175E+03	4.306E-09	-1.007E-15	2.959E-05	-4.053E+04	0.000E+00	0.000E+00
148	2	17.25	1	-7.276E-12	8.812E+02	-4.305E-09	7.697E-16	-2.943E-05	-2.280E+04	-9.263E-06	-3.542E-15
148	2	17.25	2	-7.276E-12	8.812E+02	4.306E-09	-1.007E-15	2.952E-05	-2.280E+04	-9.263E-06	3.553E-15
148	3	34.50	1	-7.276E-12	5.874E+02	-4.305E-09	7.697E-16	-2.935E-05	-1.013E+04	-1.262E-05	-4.719E-15
148	3	34.50	2	-7.276E-12	5.874E+02	4.306E-09	-1.007E-15	2.944E-05	-1.013E+04	-1.262E-05	4.733E-15
148	4	51.75	1	-7.276E-12	2.937E+02	-4.305E-09	7.697E-16	-2.928E-05	-2.533E+03	-9.618E-06	-3.536E-15
148	4	51.75	2	-7.276E-12	2.937E+02	4.306E-09	-1.007E-15	2.937E-05	-2.533E+03	-9.618E-06	3.547E-15
148	5	69.00	1	-7.276E-12	2.636E-10	-4.305E-09	7.697E-16	-2.920E-05	-6.184E-08	3.799E-13	-8.084E-22
148	5	69.00	2	-7.276E-12	2.927E-10	4.306E-09	-1.007E-15	2.929E-05	-7.101E-08	3.799E-13	8.072E-22
149	1	0.00	1	-2.365E-10	-3.291E-10	-5.299E-09	0.000E+00	-4.546E-07	8.390E-08	0.000E+00	0.000E+00
149	1	0.00	2	2.291E-10	-9.628E-11	5.295E-09	0.000E+00	4.544E-07	6.527E-08	0.000E+00	0.000E+00
149	2	17.25	1	-2.365E-10	-2.937E+02	-7.763E+01	0.000E+00	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06
149	2	17.25	2	2.291E-10	-2.937E+02	7.763E+01	0.000E+00	-6.695E+02	-2.533E+03	-9.618E-06	2.382E-06
149	3	34.50	1	-2.365E-10	-5.874E+02	-1.553E+02	0.000E+00	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
149	3	34.50	2	2.291E-10	-5.874E+02	1.553E+02	0.000E+00	-2.678E+03	-1.013E+04	-1.262E-05	3.050E-06
149	4	51.75	1	-2.365E-10	-8.812E+02	-2.329E+02	0.000E+00	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06
149	4	51.75	2	2.291E-10	-8.812E+02	2.329E+02	0.000E+00	-6.026E+03	-2.280E+04	-9.263E-06	2.166E-06
149	5	69.00	1	-2.365E-10	-1.175E+03	-3.105E+02	0.000E+00	1.071E+04	-4.053E+04	7.477E-15	3.200E-15
149	5	69.00	2	2.291E-10	-1.175E+03	3.105E+02	0.000E+00	-1.071E+04	-4.053E+04	7.477E-15	-3.200E-15
150	1	0.00	1	2.310E-10	1.650E-11	6.286E-09	0.000E+00	-1.714E-07	7.598E-08	0.000E+00	0.000E+00
150	1	0.00	2	-2.347E-10	1.947E-12	-6.287E-09	0.000E+00	1.713E-07	7.225E-08	0.000E+00	0.000E+00
150	2	17.25	1	2.310E-10	-2.937E+02	6.286E-09	0.000E+00	-2.799E-07	-2.533E+03	-9.618E-06	-4.245E-17
150	2	17.25	2	-2.347E-10	-2.937E+02	-6.287E-09	0.000E+00	2.797E-07	-2.533E+03	-9.618E-06	4.245E-17
150	3	34.50	1	2.310E-10	-5.874E+02	6.286E-09	0.000E+00	-3.883E-07	-1.013E+04	-1.262E-05	-6.241E-17
150	3	34.50	2	-2.347E-10	-5.874E+02	-6.287E-09	0.000E+00	3.882E-07	-1.013E+04	-1.262E-05	6.241E-17
150	4	51.75	1	2.310E-10	-8.812E+02	6.286E-09	0.000E+00	-4.967E-07	-2.280E+04	-9.263E-06	-5.117E-17
150	4	51.75	2	-2.347E-10	-8.812E+02	-6.287E-09	0.000E+00	4.966E-07	-2.280E+04	-9.263E-06	5.117E-17
150	5	69.00	1	2.310E-10	-1.175E+03	6.286E-09	0.000E+00	-6.052E-07	-4.053E+04	7.480E-15	5.154E-24
150	5	69.00	2	-2.347E-10	-1.175E+03	-6.287E-09	0.000E+00	6.051E-07	-4.053E+04	7.480E-15	-5.154E-24
151	1	0.00	1	9.350E+03	4.277E+04	-4.592E+01	1.146E-01	-1.419E+06	-4.015E+04	0.000E+00	0.000E+00
151	1	0.00	2	-9.444E+03	4.277E+04	4.095E+01	1.130E-01	1.419E+06	-4.092E+04	0.000E+00	0.000E+00
151	2	45.25	1	9.351E+03	4.200E+04	-2.495E+02	1.146E-01	-1.412E+06	1.878E+06	-1.198E-03	-1.179E-03

151	2	45.25	2	-9.444E+03	4.200E+04	2.446E+02	1.130E-01	1.412E+06	1.877E+06	-1.198E-03	1.179E-03
151	3	90.50	1	9.352E+03	4.122E+04	-4.532E+02	1.146E-01	-1.396E+06	3.760E+06	-1.898E-03	-1.566E-03
151	3	90.50	2	-9.443E+03	4.123E+04	4.482E+02	1.130E-01	1.397E+06	3.760E+06	-1.898E-03	1.566E-03
151	4	135.75	1	9.352E+03	4.045E+04	-6.568E+02	1.146E-01	-1.371E+06	5.608E+06	-1.647E-03	-1.168E-03
151	4	135.75	2	-9.442E+03	4.046E+04	6.518E+02	1.130E-01	1.372E+06	5.608E+06	-1.647E-03	1.168E-03
151	5	181.00	1	9.353E+03	3.968E+04	-8.604E+02	1.146E-01	-1.337E+06	7.421E+06	-3.585E-11	1.459E-10
151	5	181.00	2	-9.441E+03	3.969E+04	8.554E+02	1.130E-01	1.338E+06	7.421E+06	-3.588E-11	-1.460E-10
152	1	0.00	1	-9.444E+03	4.277E+04	-2.646E+02	-1.130E-01	-1.431E+06	-4.092E+04	0.000E+00	0.000E+00
152	1	0.00	2	9.350E+03	4.277E+04	2.696E+02	-1.146E-01	1.431E+06	-4.015E+04	0.000E+00	0.000E+00
152	2	45.25	1	-9.444E+03	4.200E+04	-2.646E+02	-1.130E-01	-1.419E+06	1.877E+06	-1.198E-03	-1.170E-03
152	2	45.25	2	9.351E+03	4.200E+04	2.696E+02	-1.146E-01	1.419E+06	1.878E+06	-1.198E-03	1.170E-03
152	3	90.50	1	-9.443E+03	4.123E+04	-2.646E+02	-1.130E-01	-1.407E+06	3.760E+06	-1.898E-03	-1.556E-03
152	3	90.50	2	9.352E+03	4.122E+04	2.696E+02	-1.146E-01	1.407E+06	3.760E+06	-1.898E-03	1.556E-03
152	4	135.75	1	-9.442E+03	4.046E+04	-2.646E+02	-1.130E-01	-1.395E+06	5.608E+06	-1.647E-03	-1.164E-03
152	4	135.75	2	9.352E+03	4.045E+04	2.696E+02	-1.146E-01	1.394E+06	5.608E+06	-1.647E-03	1.164E-03
152	5	181.00	1	-9.441E+03	3.969E+04	-2.646E+02	-1.130E-01	-1.383E+06	7.421E+06	-3.588E-11	-9.608E-11
152	5	181.00	2	9.353E+03	3.968E+04	2.696E+02	-1.146E-01	1.382E+06	7.421E+06	-3.585E-11	9.610E-11
153	1	0.00	1	1.237E+04	3.231E+04	-4.490E+01	1.943E-02	-1.794E+06	7.422E+06	0.000E+00	0.000E+00
153	1	0.00	2	-1.243E+04	3.231E+04	4.644E+01	1.831E-02	1.795E+06	7.421E+06	0.000E+00	0.000E+00
153	2	127.25	1	1.237E+04	3.014E+04	-6.175E+02	1.943E-02	-1.752E+06	1.139E+07	-3.994E-02	-1.101E-02
153	2	127.25	2	-1.243E+04	3.014E+04	6.191E+02	1.831E-02	1.752E+06	1.139E+07	-3.994E-02	1.102E-02
153	3	254.50	1	1.237E+04	2.797E+04	-1.190E+03	1.943E-02	-1.637E+06	1.509E+07	-5.786E-02	-1.430E-02
153	3	254.50	2	-1.243E+04	2.797E+04	1.192E+03	1.831E-02	1.637E+06	1.509E+07	-5.786E-02	1.430E-02
153	4	381.75	1	1.238E+04	2.581E+04	-1.763E+03	1.943E-02	-1.449E+06	1.851E+07	-4.672E-02	-1.035E-02
153	4	381.75	2	-1.243E+04	2.581E+04	1.764E+03	1.831E-02	1.449E+06	1.851E+07	-4.672E-02	1.035E-02
153	5	509.00	1	1.238E+04	2.364E+04	-2.335E+03	1.943E-02	-1.188E+06	2.166E+07	-5.529E-10	9.814E-10
153	5	509.00	2	-1.242E+04	2.364E+04	2.337E+03	1.831E-02	1.188E+06	2.166E+07	-5.530E-10	-9.819E-10
154	1	0.00	1	-1.243E+04	3.231E+04	-1.080E+03	-1.831E-02	-1.840E+06	7.421E+06	0.000E+00	0.000E+00
154	1	0.00	2	1.237E+04	3.231E+04	1.079E+03	-1.943E-02	1.840E+06	7.422E+06	0.000E+00	0.000E+00
154	2	127.25	1	-1.243E+04	3.014E+04	-1.080E+03	-1.831E-02	-1.703E+06	1.139E+07	-3.994E-02	-1.057E-02
154	2	127.25	2	1.237E+04	3.014E+04	1.079E+03	-1.943E-02	1.702E+06	1.139E+07	-3.994E-02	1.057E-02
154	3	254.50	1	-1.243E+04	2.797E+04	-1.080E+03	-1.831E-02	-1.566E+06	1.509E+07	-5.786E-02	-1.369E-02
154	3	254.50	2	1.237E+04	2.797E+04	1.079E+03	-1.943E-02	1.565E+06	1.509E+07	-5.786E-02	1.369E-02
154	4	381.75	1	-1.243E+04	2.581E+04	-1.080E+03	-1.831E-02	-1.428E+06	1.851E+07	-4.672E-02	-9.970E-03
154	4	381.75	2	1.238E+04	2.581E+04	1.079E+03	-1.943E-02	1.428E+06	1.851E+07	-4.672E-02	9.969E-03
154	5	509.00	1	-1.242E+04	2.364E+04	-1.080E+03	-1.831E-02	-1.291E+06	2.166E+07	-5.530E-10	-8.190E-10
154	5	509.00	2	1.238E+04	2.364E+04	1.079E+03	-1.943E-02	1.291E+06	2.166E+07	-5.529E-10	8.195E-10
155	1	0.00	1	1.618E+04	1.404E+04	-1.127E+03	9.979E-03	-1.765E+06	2.166E+07	0.000E+00	0.000E+00
155	1	0.00	2	-1.621E+04	1.404E+04	1.131E+03	8.854E-03	1.765E+06	2.166E+07	0.000E+00	0.000E+00
155	2	127.50	1	1.618E+04	1.187E+04	-1.700E+03	9.979E-03	-1.585E+06	2.331E+07	-6.983E-02	-9.351E-03
155	2	127.50	2	-1.621E+04	1.187E+04	1.705E+03	8.854E-03	1.584E+06	2.331E+07	-6.983E-02	9.344E-03
155	3	255.00	1	1.618E+04	9.697E+03	-2.274E+03	9.979E-03	-1.332E+06	2.469E+07	-9.477E-02	-1.167E-02
155	3	255.00	2	-1.620E+04	9.699E+03	2.279E+03	8.854E-03	1.331E+06	2.469E+07	-9.477E-02	1.166E-02
155	4	382.50	1	1.619E+04	7.526E+03	-2.848E+03	9.979E-03	-1.005E+06	2.578E+07	-7.219E-02	-8.078E-03
155	4	382.50	2	-1.620E+04	7.528E+03	2.852E+03	8.854E-03	1.003E+06	2.578E+07	-7.219E-02	8.068E-03
155	5	510.00	1	1.619E+04	5.355E+03	-3.422E+03	9.979E-03	-6.056E+05	2.660E+07	-1.346E-09	2.073E-09
155	5	510.00	2	-1.620E+04	5.357E+03	3.426E+03	8.854E-03	6.032E+05	2.661E+07	-1.346E-09	-2.073E-09
156	1	0.00	1	-1.621E+04	1.404E+04	-2.289E+03	-8.854E-03	-1.868E+06	2.166E+07	0.000E+00	0.000E+00
156	1	0.00	2	1.618E+04	1.404E+04	2.284E+03	-9.979E-03	1.868E+06	2.166E+07	0.000E+00	0.000E+00
156	2	127.50	1	-1.621E+04	1.187E+04	-2.289E+03	-8.854E-03	-1.576E+06	2.331E+07	-6.983E-02	-9.098E-03
156	2	127.50	2	1.618E+04	1.187E+04	2.284E+03	-9.979E-03	1.577E+06	2.331E+07	-6.983E-02	9.105E-03
156	3	255.00	1	-1.620E+04	9.699E+03	-2.289E+03	-8.854E-03	-1.284E+06	2.469E+07	-9.477E-02	-1.128E-02
156	3	255.00	2	1.618E+04	9.697E+03	2.284E+03	-9.979E-03	1.285E+06	2.469E+07	-9.477E-02	1.129E-02
156	4	382.50	1	-1.620E+04	7.528E+03	-2.289E+03	-8.854E-03	-9.922E+05	2.578E+07	-7.219E-02	-7.817E-03
156	4	382.50	2	1.619E+04	7.526E+03	2.284E+03	-9.979E-03	9.941E+05	2.578E+07	-7.219E-02	7.826E-03
156	5	510.00	1	-1.620E+04	5.357E+03	-2.289E+03	-8.854E-03	-7.004E+05	2.661E+07	-1.346E-09	2.119E-09
156	5	510.00	2	1.619E+04	5.355E+03	2.284E+03	-9.979E-03	7.028E+05	2.660E+07	-1.346E-09	-2.119E-09
157	1	0.00	1	2.067E+04	-5.357E+03	-2.329E+03	-8.890E-03	-1.286E+06	2.661E+07	0.000E+00	0.000E+00
157	1	0.00	2	-2.066E+04	-5.355E+03	2.245E+03	-9.943E-03	1.283E+06	2.661E+07	0.000E+00	0.000E+00
157	2	127.50	1	2.067E+04	-7.528E+03	-2.903E+03	-8.890E-03	-9.525E+05	2.578E+07	-7.219E-02	-4.510E-03
157	2	127.50	2	-2.066E+04	-7.526E+03	2.819E+03	-9.943E-03	9.606E+05	2.578E+07	-7.219E-02	4.611E-03
157	3	255.00	1	2.067E+04	-9.699E+03	-3.477E+03	-8.890E-03	-5.457E+05	2.469E+07	-9.477E-02	-4.769E-03

157	3	255.00	2	-2.065E+04	-9.697E+03	3.393E+03	-9.943E-03	5.646E+05	2.469E+07	-9.477E-02	4.935E-03
157	4	382.50	1	2.068E+04	-1.187E+04	-4.050E+03	-8.890E-03	-6.589E+04	2.331E+07	-6.983E-02	-2.564E-03
157	4	382.50	2	-2.065E+04	-1.187E+04	3.966E+03	-9.943E-03	9.549E+04	2.331E+07	-6.983E-02	2.712E-03
157	5	510.00	1	2.068E+04	-1.404E+04	-4.624E+03	-8.890E-03	4.871E+05	2.166E+07	2.451E-09	1.181E-09
157	5	510.00	2	-2.065E+04	-1.404E+04	4.540E+03	-9.943E-03	-4.468E+05	2.166E+07	2.451E-09	-1.179E-09
158	1	0.00	1	-2.066E+04	-5.355E+03	-3.381E+03	9.943E-03	-1.381E+06	2.661E+07	0.000E+00	0.000E+00
158	1	0.00	2	2.067E+04	-5.357E+03	3.465E+03	8.890E-03	1.383E+06	2.661E+07	0.000E+00	0.000E+00
158	2	127.50	1	-2.066E+04	-7.526E+03	-3.381E+03	9.943E-03	-9.495E+05	2.578E+07	-7.219E-02	-4.361E-03
158	2	127.50	2	2.067E+04	-7.528E+03	3.465E+03	8.890E-03	9.414E+05	2.578E+07	-7.219E-02	4.260E-03
158	3	255.00	1	-2.065E+04	-9.697E+03	-3.381E+03	9.943E-03	-5.184E+05	2.469E+07	-9.477E-02	-4.553E-03
158	3	255.00	2	2.067E+04	-9.699E+03	3.465E+03	8.890E-03	4.995E+05	2.469E+07	-9.477E-02	4.387E-03
158	4	382.50	1	-2.065E+04	-1.187E+04	-3.381E+03	9.943E-03	-8.729E+04	2.331E+07	-6.983E-02	-2.468E-03
158	4	382.50	2	2.068E+04	-1.187E+04	3.465E+03	8.890E-03	5.768E+04	2.331E+07	-6.983E-02	2.320E-03
158	5	510.00	1	-2.065E+04	-1.404E+04	-3.381E+03	9.943E-03	3.438E+05	2.166E+07	2.451E-09	-5.409E-10
158	5	510.00	2	2.068E+04	-1.404E+04	3.465E+03	8.890E-03	-3.842E+05	2.166E+07	2.451E-09	5.397E-10
159	1	0.00	1	2.551E+04	-2.364E+04	-3.021E+03	-1.840E-02	-2.466E+05	2.166E+07	0.000E+00	0.000E+00
159	1	0.00	2	-2.546E+04	-2.364E+04	3.718E+03	-1.934E-02	2.872E+05	2.166E+07	0.000E+00	0.000E+00
159	2	127.25	1	2.551E+04	-2.581E+04	-3.594E+03	-1.840E-02	1.743E+05	1.851E+07	-4.671E-02	3.280E-03
159	2	127.25	2	-2.546E+04	-2.581E+04	4.291E+03	-1.934E-02	-2.224E+05	1.851E+07	-4.672E-02	-3.983E-03
159	3	254.50	1	2.551E+04	-2.797E+04	-4.166E+03	-1.840E-02	6.681E+05	1.509E+07	-5.785E-02	5.866E-03
159	3	254.50	2	-2.546E+04	-2.797E+04	4.863E+03	-1.934E-02	-8.048E+05	1.509E+07	-5.786E-02	-7.062E-03
159	4	381.75	1	2.551E+04	-3.014E+04	-4.739E+03	-1.840E-02	1.235E+06	1.139E+07	-3.994E-02	5.599E-03
159	4	381.75	2	-2.546E+04	-3.014E+04	5.436E+03	-1.934E-02	-1.460E+06	1.140E+07	-3.994E-02	-6.690E-03
159	5	509.00	1	2.552E+04	-3.231E+04	-5.312E+03	-1.840E-02	1.874E+06	7.420E+06	-9.714E-09	6.083E-11
159	5	509.00	2	-2.545E+04	-3.231E+04	6.008E+03	-1.934E-02	-2.188E+06	7.422E+06	-9.713E-09	-6.863E-11
160	1	0.00	1	-2.546E+04	-2.364E+04	-4.984E+03	1.934E-02	-3.902E+05	2.166E+07	0.000E+00	0.000E+00
160	1	0.00	2	2.551E+04	-2.364E+04	4.288E+03	1.840E-02	3.496E+05	2.166E+07	0.000E+00	0.000E+00
160	2	127.25	1	-2.546E+04	-2.581E+04	-4.984E+03	1.934E-02	2.440E+05	1.851E+07	-4.672E-02	4.375E-03
160	2	127.25	2	2.551E+04	-2.581E+04	4.288E+03	1.840E-02	-1.960E+05	1.851E+07	-4.671E-02	-3.672E-03
160	3	254.50	1	-2.546E+04	-2.797E+04	-4.984E+03	1.934E-02	8.783E+05	1.509E+07	-5.786E-02	7.683E-03
160	3	254.50	2	2.551E+04	-2.797E+04	4.288E+03	1.840E-02	-7.416E+05	1.509E+07	-5.785E-02	-6.487E-03
160	4	381.75	1	-2.546E+04	-3.014E+04	-4.984E+03	1.934E-02	1.513E+06	1.140E+07	-3.994E-02	7.149E-03
160	4	381.75	2	2.551E+04	-3.014E+04	4.288E+03	1.840E-02	-1.287E+06	1.139E+07	-3.994E-02	-6.059E-03
160	5	509.00	1	-2.545E+04	-3.231E+04	-4.984E+03	1.934E-02	2.147E+06	7.422E+06	-9.713E-09	2.304E-10
160	5	509.00	2	2.552E+04	-3.231E+04	4.288E+03	1.840E-02	-1.833E+06	7.420E+06	-9.714E-09	-2.226E-10
161	1	0.00	1	3.014E+04	-3.968E+04	-5.780E+03	-1.137E-01	1.171E+06	7.420E+06	0.000E+00	0.000E+00
161	1	0.00	2	-3.005E+04	-3.969E+04	3.950E+03	-1.138E-01	-1.488E+06	7.422E+06	0.000E+00	0.000E+00
161	2	45.25	1	3.014E+04	-4.045E+04	-5.984E+03	-1.137E-01	1.437E+06	5.607E+06	-1.647E-03	1.328E-03
161	2	45.25	2	-3.005E+04	-4.046E+04	4.154E+03	-1.138E-01	-1.671E+06	5.609E+06	-1.647E-03	-1.477E-03
161	3	90.50	1	3.014E+04	-4.122E+04	-6.187E+03	-1.137E-01	1.712E+06	3.759E+06	-1.897E-03	1.873E-03
161	3	90.50	2	-3.005E+04	-4.123E+04	4.357E+03	-1.138E-01	-1.864E+06	3.761E+06	-1.898E-03	-2.041E-03
161	4	135.75	1	3.014E+04	-4.199E+04	-6.391E+03	-1.137E-01	1.997E+06	1.877E+06	-1.197E-03	1.483E-03
161	4	135.75	2	-3.005E+04	-4.200E+04	4.561E+03	-1.138E-01	-2.065E+06	1.878E+06	-1.198E-03	-1.586E-03
161	5	181.00	1	3.014E+04	-4.276E+04	-6.595E+03	-1.137E-01	2.291E+06	-4.086E+04	-6.289E-10	3.218E-10
161	5	181.00	2	-3.005E+04	-4.277E+04	4.765E+03	-1.138E-01	-2.276E+06	-4.020E+04	-6.289E-10	-2.820E-10
162	1	0.00	1	-3.005E+04	-3.969E+04	-4.516E+03	1.138E-01	1.447E+06	7.422E+06	0.000E+00	0.000E+00
162	1	0.00	2	3.014E+04	-3.968E+04	6.346E+03	1.137E-01	-1.130E+06	7.420E+06	0.000E+00	0.000E+00
162	2	45.25	1	-3.005E+04	-4.046E+04	-4.516E+03	1.138E-01	1.651E+06	5.609E+06	-1.647E-03	1.483E-03
162	2	45.25	2	3.014E+04	-4.045E+04	6.346E+03	1.137E-01	-1.417E+06	5.607E+06	-1.647E-03	-1.335E-03
162	3	90.50	1	-3.005E+04	-4.123E+04	-4.516E+03	1.138E-01	1.856E+06	3.761E+06	-1.898E-03	2.053E-03
162	3	90.50	2	3.014E+04	-4.122E+04	6.346E+03	1.137E-01	-1.704E+06	3.759E+06	-1.897E-03	-1.885E-03
162	4	135.75	1	-3.005E+04	-4.200E+04	-4.516E+03	1.138E-01	2.060E+06	1.878E+06	-1.198E-03	1.596E-03
162	4	135.75	2	3.014E+04	-4.199E+04	6.346E+03	1.137E-01	-1.992E+06	1.877E+06	-1.197E-03	-1.493E-03
162	5	181.00	1	-3.005E+04	-4.277E+04	-4.516E+03	1.138E-01	2.264E+06	-4.020E+04	-6.289E-10	2.233E-10
162	5	181.00	2	3.014E+04	-4.276E+04	6.346E+03	1.137E-01	-2.279E+06	-4.086E+04	-6.289E-10	-2.632E-10
163	1	0.00	1	-1.703E+00	1.175E+03	3.105E+02	7.393E-11	1.071E+04	-4.053E+04	0.000E+00	0.000E+00
163	1	0.00	2	-1.703E+00	1.175E+03	-3.105E+02	-8.048E-11	-1.071E+04	-4.053E+04	0.000E+00	0.000E+00
163	2	17.25	1	-1.277E+00	8.812E+02	2.329E+02	7.393E-11	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06
163	2	17.25	2	-1.277E+00	8.812E+02	-2.329E+02	-8.048E-11	-6.026E+03	-2.280E+04	-9.263E-06	2.166E-06
163	3	34.50	1	-8.514E-01	5.874E+02	1.553E+02	7.393E-11	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
163	3	34.50	2	-8.514E-01	5.874E+02	-1.553E+02	-8.048E-11	-2.678E+03	-1.013E+04	-1.262E-05	3.050E-06
163	4	51.75	1	-4.257E-01	2.937E+02	7.763E+01	7.393E-11	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06

163	4	51.75	2	-4.257E-01	2.937E+02	-7.763E+01	-8.048E-11	-6.695E+02	-2.533E+03	-9.618E-06	2.382E-06
163	5	69.00	1	-6.883E-10	7.093E-10	1.164E-09	7.393E-11	-9.259E-08	-7.885E-08	1.621E-13	-2.432E-13
163	5	69.00	2	7.523E-10	-1.997E-09	-9.133E-10	-8.048E-11	8.649E-08	-9.424E-08	1.621E-13	2.432E-13
164	1	0.00	1	-1.703E+00	1.175E+03	-1.741E-09	2.683E-10	-4.271E-08	-4.053E+04	0.000E+00	0.000E+00
164	1	0.00	2	-1.703E+00	1.175E+03	1.752E-09	-2.819E-10	4.670E-08	-4.053E+04	0.000E+00	0.000E+00
164	2	17.25	1	-1.277E+00	8.812E+02	-1.741E-09	2.683E-10	-1.269E-08	-2.280E+04	-9.263E-06	8.461E-19
164	2	17.25	2	-1.277E+00	8.812E+02	1.752E-09	-2.819E-10	1.648E-08	-2.280E+04	-9.263E-06	-4.803E-19
164	3	34.50	1	-8.514E-01	5.874E+02	-1.741E-09	2.683E-10	1.734E-08	-1.013E+04	-1.262E-05	2.733E-18
164	3	34.50	2	-8.514E-01	5.874E+02	1.752E-09	-2.819E-10	-1.374E-08	-1.013E+04	-1.262E-05	-2.264E-18
164	4	51.75	1	-4.257E-01	2.937E+02	-1.741E-09	2.683E-10	4.737E-08	-2.533E+03	-9.618E-06	3.253E-18
164	4	51.75	2	-4.257E-01	2.937E+02	1.752E-09	-2.819E-10	-4.396E-08	-2.533E+03	-9.618E-06	-2.915E-18
164	5	69.00	1	-2.177E-10	6.747E-10	-1.741E-09	2.683E-10	7.739E-08	-1.138E-08	1.621E-13	-1.702E-25
164	5	69.00	2	6.611E-11	1.475E-09	1.752E-09	-2.819E-10	-7.418E-08	3.267E-08	1.621E-13	4.785E-26
165	1	0.00	1	1.117E-10	2.923E-11	-9.766E-10	1.575E-13	1.848E-08	2.612E-08	0.000E+00	0.000E+00
165	1	0.00	2	-1.065E-10	1.243E-13	9.842E-10	-1.582E-13	-1.848E-08	2.984E-08	0.000E+00	0.000E+00
165	2	17.25	1	4.257E-01	-2.937E+02	-7.763E+01	1.575E-13	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06
165	2	17.25	2	4.257E-01	-2.937E+02	7.763E+01	-1.582E-13	-6.695E+02	-2.533E+03	-9.618E-06	2.382E-06
165	3	34.50	1	8.514E-01	-5.874E+02	-1.553E+02	1.575E-13	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
165	3	34.50	2	8.514E-01	-5.874E+02	1.553E+02	-1.582E-13	-2.678E+03	-1.013E+04	-1.262E-05	3.050E-06
165	4	51.75	1	1.277E+00	-8.812E+02	-2.329E+02	1.575E-13	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06
165	4	51.75	2	1.277E+00	-8.812E+02	2.329E+02	-1.582E-13	-6.026E+03	-2.280E+04	-9.263E-06	2.166E-06
165	5	69.00	1	1.703E+00	-1.175E+03	-3.105E+02	1.575E-13	1.071E+04	-4.053E+04	-1.369E-14	-2.231E-15
165	5	69.00	2	1.703E+00	-1.175E+03	3.105E+02	-1.582E-13	-1.071E+04	-4.053E+04	-1.369E-14	2.231E-15
166	1	0.00	1	2.747E-10	7.605E-10	5.794E-10	-2.891E-14	3.735E-08	6.710E-08	0.000E+00	0.000E+00
166	1	0.00	2	-2.746E-10	-8.111E-10	-5.847E-10	2.821E-14	-3.716E-08	7.455E-08	0.000E+00	0.000E+00
166	2	17.25	1	4.257E-01	-2.937E+02	5.794E-10	-2.891E-14	2.735E-08	-2.533E+03	-9.618E-06	2.474E-18
166	2	17.25	2	4.257E-01	-2.937E+02	-5.847E-10	2.821E-14	-2.707E-08	-2.533E+03	-9.618E-06	-2.474E-18
166	3	34.50	1	8.514E-01	-5.874E+02	5.794E-10	-2.891E-14	1.736E-08	-1.013E+04	-1.262E-05	2.760E-18
166	3	34.50	2	8.514E-01	-5.874E+02	-5.847E-10	2.821E-14	-1.698E-08	-1.013E+04	-1.262E-05	-2.760E-18
166	4	51.75	1	1.277E+00	-8.812E+02	5.794E-10	-2.891E-14	7.364E-09	-2.280E+04	-9.263E-06	1.667E-18
166	4	51.75	2	1.277E+00	-8.812E+02	-5.847E-10	2.821E-14	-6.897E-09	-2.280E+04	-9.263E-06	-1.667E-18
166	5	69.00	1	1.703E+00	-1.175E+03	5.794E-10	-2.891E-14	-2.632E-09	-4.053E+04	-1.370E-14	1.592E-25
166	5	69.00	2	1.703E+00	-1.175E+03	-5.847E-10	2.821E-14	3.189E-09	-4.053E+04	-1.370E-14	-1.592E-25
167	1	0.00	1	3.005E+04	4.277E+04	6.609E+03	1.123E-01	2.291E+06	-4.136E+04	0.000E+00	0.000E+00
167	1	0.00	2	-3.014E+04	4.276E+04	-4.750E+03	1.153E-01	-2.276E+06	-3.971E+04	0.000E+00	0.000E+00
167	2	45.25	1	3.005E+04	4.200E+04	6.405E+03	1.123E-01	1.996E+06	1.877E+06	-1.198E-03	1.482E-03
167	2	45.25	2	-3.014E+04	4.199E+04	-4.547E+03	1.153E-01	-2.066E+06	1.878E+06	-1.198E-03	-1.586E-03
167	3	90.50	1	3.005E+04	4.123E+04	6.202E+03	1.123E-01	1.711E+06	3.760E+06	-1.898E-03	1.872E-03
167	3	90.50	2	-3.014E+04	4.122E+04	-4.343E+03	1.153E-01	-1.865E+06	3.760E+06	-1.898E-03	-2.042E-03
167	4	135.75	1	3.005E+04	4.046E+04	5.998E+03	1.123E-01	1.435E+06	5.608E+06	-1.647E-03	1.327E-03
167	4	135.75	2	-3.014E+04	4.045E+04	-4.139E+03	1.153E-01	-1.673E+06	5.608E+06	-1.647E-03	-1.478E-03
167	5	181.00	1	3.005E+04	3.969E+04	5.794E+03	1.123E-01	1.168E+06	7.421E+06	-1.187E-10	2.992E-10
167	5	181.00	2	-3.014E+04	3.968E+04	-3.936E+03	1.153E-01	-1.490E+06	7.421E+06	-1.188E-10	-3.012E-10
168	1	0.00	1	-3.014E+04	4.276E+04	4.502E+03	-1.153E-01	2.264E+06	-3.971E+04	0.000E+00	0.000E+00
168	1	0.00	2	3.005E+04	4.277E+04	-6.360E+03	-1.123E-01	-2.279E+06	-4.136E+04	0.000E+00	0.000E+00
168	2	45.25	1	-3.014E+04	4.199E+04	4.502E+03	-1.153E-01	2.061E+06	1.878E+06	-1.198E-03	1.597E-03
168	2	45.25	2	3.005E+04	4.200E+04	-6.360E+03	-1.123E-01	-1.991E+06	1.877E+06	-1.198E-03	-1.492E-03
168	3	90.50	1	-3.014E+04	4.122E+04	4.502E+03	-1.153E-01	1.857E+06	3.760E+06	-1.898E-03	2.054E-03
168	3	90.50	2	3.005E+04	4.123E+04	-6.360E+03	-1.123E-01	-1.703E+06	3.760E+06	-1.898E-03	-1.884E-03
168	4	135.75	1	-3.014E+04	4.045E+04	4.502E+03	-1.153E-01	1.653E+06	5.608E+06	-1.647E-03	1.484E-03
168	4	135.75	2	3.005E+04	4.046E+04	-6.360E+03	-1.123E-01	-1.415E+06	5.608E+06	-1.647E-03	-1.333E-03
168	5	181.00	1	-3.014E+04	3.968E+04	4.502E+03	-1.153E-01	1.450E+06	7.421E+06	-1.188E-10	1.132E-10
168	5	181.00	2	3.005E+04	3.969E+04	-6.360E+03	-1.123E-01	-1.127E+06	7.421E+06	-1.187E-10	-1.112E-10
169	1	0.00	1	2.545E+04	3.231E+04	5.306E+03	1.776E-02	1.872E+06	7.421E+06	0.000E+00	0.000E+00
169	1	0.00	2	-2.552E+04	3.231E+04	-6.014E+03	1.998E-02	-2.191E+06	7.421E+06	0.000E+00	0.000E+00
169	2	127.25	1	2.546E+04	3.014E+04	4.733E+03	1.776E-02	1.233E+06	1.139E+07	-3.994E-02	5.590E-03
169	2	127.25	2	-2.551E+04	3.014E+04	-5.442E+03	1.998E-02	-1.462E+06	1.139E+07	-3.994E-02	-6.699E-03
169	3	254.50	1	2.546E+04	2.797E+04	4.160E+03	1.776E-02	6.670E+05	1.509E+07	-5.786E-02	5.857E-03
169	3	254.50	2	-2.551E+04	2.797E+04	-4.869E+03	1.998E-02	-8.059E+05	1.509E+07	-5.786E-02	-7.072E-03
169	4	381.75	1	2.546E+04	2.581E+04	3.588E+03	1.776E-02	1.740E+05	1.851E+07	-4.672E-02	3.275E-03
169	4	381.75	2	-2.551E+04	2.581E+04	-4.297E+03	1.998E-02	-2.227E+05	1.851E+07	-4.672E-02	-3.989E-03
169	5	509.00	1	2.546E+04	2.364E+04	3.015E+03	1.776E-02	-2.462E+05	2.166E+07	-1.046E-09	-1.406E-09

169	5	509.00	2	-2.551E+04	2.364E+04	-3.724E+03	1.998E-02	2.876E+05	2.166E+07	-1.046E-09	1.263E-09
170	1	0.00	1	-2.552E+04	3.231E+04	4.990E+03	-1.998E-02	2.149E+06	7.421E+06	0.000E+00	0.000E+00
170	1	0.00	2	2.545E+04	3.231E+04	-4.282E+03	-1.776E-02	-1.830E+06	7.421E+06	0.000E+00	0.000E+00
170	2	127.25	1	-2.551E+04	3.014E+04	4.990E+03	-1.998E-02	1.514E+06	1.139E+07	-3.994E-02	7.158E-03
170	2	127.25	2	2.546E+04	3.014E+04	-4.282E+03	-1.776E-02	-1.285E+06	1.139E+07	-3.994E-02	-6.050E-03
170	3	254.50	1	-2.551E+04	2.797E+04	4.990E+03	-1.998E-02	8.794E+05	1.509E+07	-5.786E-02	7.693E-03
170	3	254.50	2	2.546E+04	2.797E+04	-4.282E+03	-1.776E-02	-7.405E+05	1.509E+07	-5.786E-02	-6.477E-03
170	4	381.75	1	-2.551E+04	2.581E+04	4.990E+03	-1.998E-02	2.444E+05	1.851E+07	-4.672E-02	4.381E-03
170	4	381.75	2	2.546E+04	2.581E+04	-4.282E+03	-1.776E-02	-1.956E+05	1.851E+07	-4.672E-02	-3.667E-03
170	5	509.00	1	-2.551E+04	2.364E+04	4.990E+03	-1.998E-02	-3.906E+05	2.166E+07	-1.046E-09	1.594E-09
170	5	509.00	2	2.546E+04	2.364E+04	-4.282E+03	-1.776E-02	3.492E+05	2.166E+07	-1.046E-09	-1.451E-09
171	1	0.00	1	2.065E+04	1.404E+04	4.625E+03	8.339E-03	4.874E+05	2.166E+07	0.000E+00	0.000E+00
171	1	0.00	2	-2.068E+04	1.404E+04	-4.540E+03	1.049E-02	-4.465E+05	2.166E+07	0.000E+00	0.000E+00
171	2	127.50	1	2.065E+04	1.187E+04	4.051E+03	8.339E-03	-6.566E+04	2.331E+07	-6.983E-02	-2.562E-03
171	2	127.50	2	-2.068E+04	1.187E+04	-3.966E+03	1.049E-02	9.572E+04	2.331E+07	-6.983E-02	2.713E-03
171	3	255.00	1	2.065E+04	9.698E+03	3.477E+03	8.339E-03	-5.456E+05	2.469E+07	-9.477E-02	-4.768E-03
171	3	255.00	2	-2.067E+04	9.697E+03	-3.392E+03	1.049E-02	5.648E+05	2.469E+07	-9.477E-02	4.937E-03
171	4	382.50	1	2.066E+04	7.527E+03	2.903E+03	8.339E-03	-9.524E+05	2.578E+07	-7.219E-02	-4.509E-03
171	4	382.50	2	-2.067E+04	7.526E+03	-2.818E+03	1.049E-02	9.607E+05	2.578E+07	-7.219E-02	4.612E-03
171	5	510.00	1	2.066E+04	5.356E+03	2.330E+03	8.339E-03	-1.286E+06	2.661E+07	-1.170E-09	2.121E-10
171	5	510.00	2	-2.067E+04	5.355E+03	-2.245E+03	1.049E-02	1.283E+06	2.660E+07	-1.171E-09	-2.150E-10
172	1	0.00	1	-2.068E+04	1.404E+04	3.381E+03	-1.049E-02	3.435E+05	2.166E+07	0.000E+00	0.000E+00
172	1	0.00	2	2.065E+04	1.404E+04	-3.466E+03	-8.339E-03	-3.844E+05	2.166E+07	0.000E+00	0.000E+00
172	2	127.50	1	-2.068E+04	1.187E+04	3.381E+03	-1.049E-02	-8.751E+04	2.331E+07	-6.983E-02	-2.469E-03
172	2	127.50	2	2.065E+04	1.187E+04	-3.466E+03	-8.339E-03	5.746E+04	2.331E+07	-6.983E-02	2.319E-03
172	3	255.00	1	-2.067E+04	9.697E+03	3.381E+03	-1.049E-02	-5.186E+05	2.469E+07	-9.477E-02	-4.554E-03
172	3	255.00	2	2.065E+04	9.698E+03	-3.466E+03	-8.339E-03	4.994E+05	2.469E+07	-9.477E-02	4.385E-03
172	4	382.50	1	-2.067E+04	7.526E+03	3.381E+03	-1.049E-02	-9.496E+05	2.578E+07	-7.219E-02	-4.362E-03
172	4	382.50	2	2.066E+04	7.527E+03	-3.466E+03	-8.339E-03	9.413E+05	2.578E+07	-7.219E-02	4.259E-03
172	5	510.00	1	-2.067E+04	5.355E+03	3.381E+03	-1.049E-02	-1.381E+06	2.660E+07	-1.171E-09	-6.032E-11
172	5	510.00	2	2.066E+04	5.356E+03	-3.466E+03	-8.339E-03	1.383E+06	2.661E+07	-1.170E-09	6.328E-11
173	1	0.00	1	1.620E+04	-5.355E+03	3.421E+03	-1.046E-02	-6.057E+05	2.661E+07	0.000E+00	0.000E+00
173	1	0.00	2	-1.619E+04	-5.356E+03	-3.426E+03	-8.375E-03	6.031E+05	2.661E+07	0.000E+00	0.000E+00
173	2	127.50	1	1.620E+04	-7.526E+03	2.848E+03	-1.046E-02	-1.005E+06	2.578E+07	-7.219E-02	-8.078E-03
173	2	127.50	2	-1.619E+04	-7.527E+03	-2.853E+03	-8.375E-03	1.003E+06	2.578E+07	-7.219E-02	8.068E-03
173	3	255.00	1	1.620E+04	-9.697E+03	2.274E+03	-1.046E-02	-1.332E+06	2.469E+07	-9.477E-02	-1.167E-02
173	3	255.00	2	-1.618E+04	-9.698E+03	-2.279E+03	-8.375E-03	1.331E+06	2.469E+07	-9.477E-02	1.166E-02
173	4	382.50	1	1.621E+04	-1.187E+04	1.700E+03	-1.046E-02	-1.585E+06	2.331E+07	-6.983E-02	-9.351E-03
173	4	382.50	2	-1.618E+04	-1.187E+04	-1.705E+03	-8.375E-03	1.585E+06	2.331E+07	-6.983E-02	9.344E-03
173	5	510.00	1	1.621E+04	-1.404E+04	1.126E+03	-1.046E-02	-1.765E+06	2.166E+07	2.367E-09	2.795E-09
173	5	510.00	2	-1.618E+04	-1.404E+04	-1.131E+03	-8.375E-03	1.765E+06	2.166E+07	2.367E-09	-2.794E-09
174	1	0.00	1	-1.619E+04	-5.356E+03	2.289E+03	8.375E-03	-7.003E+05	2.661E+07	0.000E+00	0.000E+00
174	1	0.00	2	1.620E+04	-5.355E+03	-2.284E+03	1.046E-02	7.029E+05	2.661E+07	0.000E+00	0.000E+00
174	2	127.50	1	-1.619E+04	-7.527E+03	2.289E+03	8.375E-03	-9.922E+05	2.578E+07	-7.219E-02	-7.817E-03
174	2	127.50	2	1.620E+04	-7.526E+03	-2.284E+03	1.046E-02	9.941E+05	2.578E+07	-7.219E-02	7.826E-03
174	3	255.00	1	-1.618E+04	-9.698E+03	2.289E+03	8.375E-03	-1.284E+06	2.469E+07	-9.477E-02	-1.128E-02
174	3	255.00	2	1.620E+04	-9.697E+03	-2.284E+03	1.046E-02	1.285E+06	2.469E+07	-9.477E-02	1.129E-02
174	4	382.50	1	-1.618E+04	-1.187E+04	2.289E+03	8.375E-03	-1.576E+06	2.331E+07	-6.983E-02	-9.098E-03
174	4	382.50	2	1.621E+04	-1.187E+04	-2.284E+03	1.046E-02	1.577E+06	2.331E+07	-6.983E-02	9.105E-03
174	5	510.00	1	-1.618E+04	-1.404E+04	2.289E+03	8.375E-03	-1.868E+06	2.166E+07	2.367E-09	-2.806E-10
174	5	510.00	2	1.621E+04	-1.404E+04	-2.284E+03	1.046E-02	1.868E+06	2.166E+07	2.367E-09	2.796E-10
175	1	0.00	1	1.242E+04	-2.364E+04	2.337E+03	-1.989E-02	-1.188E+06	2.166E+07	0.000E+00	0.000E+00
175	1	0.00	2	-1.238E+04	-2.364E+04	-2.336E+03	-1.785E-02	1.188E+06	2.166E+07	0.000E+00	0.000E+00
175	2	127.25	1	1.243E+04	-2.581E+04	1.764E+03	-1.989E-02	-1.449E+06	1.851E+07	-4.672E-02	-1.035E-02
175	2	127.25	2	-1.238E+04	-2.581E+04	-1.763E+03	-1.785E-02	1.449E+06	1.851E+07	-4.671E-02	1.035E-02
175	3	254.50	1	1.243E+04	-2.797E+04	1.191E+03	-1.989E-02	-1.637E+06	1.509E+07	-5.786E-02	-1.430E-02
175	3	254.50	2	-1.237E+04	-2.797E+04	-1.190E+03	-1.785E-02	1.637E+06	1.509E+07	-5.785E-02	1.430E-02
175	4	381.75	1	1.243E+04	-3.014E+04	6.188E+02	-1.989E-02	-1.752E+06	1.140E+07	-3.994E-02	-1.102E-02
175	4	381.75	2	-1.237E+04	-3.014E+04	-6.178E+02	-1.785E-02	1.752E+06	1.139E+07	-3.994E-02	1.101E-02
175	5	509.00	1	1.243E+04	-3.231E+04	4.619E+01	-1.989E-02	-1.795E+06	7.422E+06	-1.006E-08	-1.084E-09
175	5	509.00	2	-1.237E+04	-3.231E+04	-4.516E+01	-1.785E-02	1.794E+06	7.420E+06	-1.005E-08	1.084E-09
176	1	0.00	1	-1.238E+04	-2.364E+04	1.079E+03	1.785E-02	-1.291E+06	2.166E+07	0.000E+00	0.000E+00

176	1	0.00	2	1.242E+04	-2.364E+04	-1.080E+03	1.989E-02	1.291E+06	2.166E+07	0.000E+00	0.000E+00
176	2	127.25	1	-1.238E+04	-2.581E+04	1.079E+03	1.785E-02	-1.428E+06	1.851E+07	-4.671E-02	-9.969E-03
176	2	127.25	2	1.243E+04	-2.581E+04	-1.080E+03	1.989E-02	1.428E+06	1.851E+07	-4.672E-02	9.971E-03
176	3	254.50	1	-1.237E+04	-2.797E+04	1.079E+03	1.785E-02	-1.565E+06	1.509E+07	-5.785E-02	-1.369E-02
176	3	254.50	2	1.243E+04	-2.797E+04	-1.080E+03	1.989E-02	1.566E+06	1.509E+07	-5.786E-02	1.369E-02
176	4	381.75	1	-1.237E+04	-3.014E+04	1.079E+03	1.785E-02	-1.702E+06	1.139E+07	-3.994E-02	-1.057E-02
176	4	381.75	2	1.243E+04	-3.014E+04	-1.080E+03	1.989E-02	1.703E+06	1.140E+07	-3.994E-02	1.057E-02
176	5	509.00	1	-1.237E+04	-3.231E+04	1.079E+03	1.785E-02	-1.840E+06	7.420E+06	-1.005E-08	2.074E-09
176	5	509.00	2	1.243E+04	-3.231E+04	-1.080E+03	1.989E-02	1.840E+06	7.422E+06	-1.006E-08	-2.075E-09
177	1	0.00	1	9.441E+03	-3.968E+04	8.557E+02	-1.145E-01	-1.338E+06	7.422E+06	0.000E+00	0.000E+00
177	1	0.00	2	-9.353E+03	-3.969E+04	-8.602E+02	-1.130E-01	1.337E+06	7.421E+06	0.000E+00	0.000E+00
177	2	45.25	1	9.442E+03	-4.045E+04	6.521E+02	-1.145E-01	-1.372E+06	5.609E+06	-1.647E-03	-1.168E-03
177	2	45.25	2	-9.352E+03	-4.046E+04	-6.566E+02	-1.130E-01	1.371E+06	5.607E+06	-1.647E-03	1.168E-03
177	3	90.50	1	9.443E+03	-4.122E+04	4.484E+02	-1.145E-01	-1.397E+06	3.761E+06	-1.898E-03	-1.566E-03
177	3	90.50	2	-9.352E+03	-4.123E+04	-4.529E+02	-1.130E-01	1.396E+06	3.759E+06	-1.897E-03	1.566E-03
177	4	135.75	1	9.444E+03	-4.199E+04	2.448E+02	-1.145E-01	-1.412E+06	1.878E+06	-1.198E-03	-1.179E-03
177	4	135.75	2	-9.351E+03	-4.200E+04	-2.493E+02	-1.130E-01	1.412E+06	1.876E+06	-1.197E-03	1.179E-03
177	5	181.00	1	9.444E+03	-4.277E+04	4.118E+01	-1.145E-01	-1.419E+06	-3.976E+04	-2.864E-10	1.896E-11
177	5	181.00	2	-9.350E+03	-4.277E+04	-4.569E+01	-1.130E-01	1.419E+06	-4.130E+04	-2.863E-10	-1.898E-11
178	1	0.00	1	-9.353E+03	-3.969E+04	2.693E+02	1.130E-01	-1.382E+06	7.421E+06	0.000E+00	0.000E+00
178	1	0.00	2	9.441E+03	-3.968E+04	-2.648E+02	1.145E-01	1.383E+06	7.422E+06	0.000E+00	0.000E+00
178	2	45.25	1	-9.352E+03	-4.046E+04	2.693E+02	1.130E-01	-1.394E+06	5.607E+06	-1.647E-03	-1.164E-03
178	2	45.25	2	9.442E+03	-4.045E+04	-2.648E+02	1.145E-01	1.395E+06	5.609E+06	-1.647E-03	1.164E-03
178	3	90.50	1	-9.352E+03	-4.123E+04	2.693E+02	1.130E-01	-1.407E+06	3.759E+06	-1.897E-03	-1.556E-03
178	3	90.50	2	9.443E+03	-4.122E+04	-2.648E+02	1.145E-01	1.407E+06	3.761E+06	-1.898E-03	1.556E-03
178	4	135.75	1	-9.351E+03	-4.200E+04	2.693E+02	1.130E-01	-1.419E+06	1.876E+06	-1.197E-03	-1.170E-03
178	4	135.75	2	9.444E+03	-4.199E+04	-2.648E+02	1.145E-01	1.419E+06	1.878E+06	-1.198E-03	1.170E-03
178	5	181.00	1	-9.350E+03	-4.277E+04	2.693E+02	1.130E-01	-1.431E+06	-4.130E+04	-2.863E-10	-2.411E-10
178	5	181.00	2	9.444E+03	-4.277E+04	-2.648E+02	1.145E-01	1.431E+06	-3.976E+04	-2.864E-10	2.411E-10
179	1	0.00	1	5.684E-14	1.175E+03	3.105E+02	-1.252E-15	1.071E+04	-4.053E+04	0.000E+00	0.000E+00
179	1	0.00	2	5.684E-14	1.175E+03	-3.105E+02	1.412E-15	-1.071E+04	-4.053E+04	0.000E+00	0.000E+00
179	2	17.25	1	5.684E-14	8.812E+02	2.329E+02	-1.252E-15	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06
179	2	17.25	2	5.684E-14	8.812E+02	-2.329E+02	1.412E-15	-6.026E+03	-2.280E+04	-9.263E-06	2.166E-06
179	3	34.50	1	5.684E-14	5.874E+02	1.552E+02	-1.252E-15	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
179	3	34.50	2	5.684E-14	5.874E+02	-1.552E+02	1.412E-15	-2.678E+03	-1.013E+04	-1.262E-05	3.050E-06
179	4	51.75	1	5.684E-14	2.937E+02	7.762E+01	-1.252E-15	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06
179	4	51.75	2	5.684E-14	2.937E+02	-7.762E+01	1.412E-15	-6.695E+02	-2.533E+03	-9.618E-06	2.382E-06
179	5	69.00	1	5.684E-14	1.080E-09	-5.937E-09	-1.252E-15	3.500E-07	5.924E-08	3.799E-13	1.375E-13
179	5	69.00	2	5.684E-14	-4.913E-10	5.937E-09	1.412E-15	-3.502E-07	3.648E-08	3.799E-13	-1.375E-13
180	1	0.00	1	-1.592E-12	1.175E+03	3.557E-10	9.950E-16	-7.052E-08	-4.053E+04	0.000E+00	0.000E+00
180	1	0.00	2	-1.592E-12	1.175E+03	-3.428E-10	-3.446E-15	7.104E-08	-4.053E+04	0.000E+00	0.000E+00
180	2	17.25	1	-1.592E-12	8.812E+02	3.557E-10	9.950E-16	-7.666E-08	-2.280E+04	-9.263E-06	-9.744E-18
180	2	17.25	2	-1.592E-12	8.812E+02	-3.428E-10	-3.446E-15	7.695E-08	-2.280E+04	-9.263E-06	9.744E-18
180	3	34.50	1	-1.592E-12	5.874E+02	3.557E-10	9.950E-16	-8.279E-08	-1.013E+04	-1.262E-05	-1.331E-17
180	3	34.50	2	-1.592E-12	5.874E+02	-3.428E-10	-3.446E-15	8.286E-08	-1.013E+04	-1.262E-05	1.331E-17
180	4	51.75	1	-1.592E-12	2.937E+02	3.557E-10	9.950E-16	-8.893E-08	-2.533E+03	-9.618E-06	-1.023E-17
180	4	51.75	2	-1.592E-12	2.937E+02	-3.428E-10	-3.446E-15	8.878E-08	-2.533E+03	-9.618E-06	1.023E-17
180	5	69.00	1	-1.592E-12	-1.244E-09	3.557E-10	9.950E-16	-9.507E-08	6.135E-08	3.799E-13	1.712E-24
180	5	69.00	2	-1.592E-12	-1.244E-09	-3.428E-10	-3.446E-15	9.469E-08	6.135E-08	3.799E-13	-1.712E-24
181	1	0.00	1	3.721E-09	3.275E-10	-3.727E-09	0.000E+00	7.153E-07	6.760E-08	0.000E+00	0.000E+00
181	1	0.00	2	-3.729E-09	-7.991E-11	3.724E-09	0.000E+00	-7.152E-07	7.877E-08	0.000E+00	0.000E+00
181	2	17.25	1	3.721E-09	-2.937E+02	-7.763E+01	0.000E+00	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06
181	2	17.25	2	-3.729E-09	-2.937E+02	7.763E+01	0.000E+00	-6.695E+02	-2.533E+03	-9.618E-06	2.382E-06
181	3	34.50	1	3.721E-09	-5.874E+02	-1.553E+02	0.000E+00	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
181	3	34.50	2	-3.729E-09	-5.874E+02	1.553E+02	0.000E+00	-2.678E+03	-1.013E+04	-1.262E-05	3.050E-06
181	4	51.75	1	3.721E-09	-8.812E+02	-2.329E+02	0.000E+00	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06
181	4	51.75	2	-3.729E-09	-8.812E+02	2.329E+02	0.000E+00	-6.026E+03	-2.280E+04	-9.263E-06	2.166E-06
181	5	69.00	1	3.721E-09	-1.175E+03	-3.105E+02	0.000E+00	1.071E+04	-4.053E+04	7.475E-15	3.876E-15
181	5	69.00	2	-3.729E-09	-1.175E+03	3.105E+02	0.000E+00	-1.071E+04	-4.053E+04	7.475E-15	-3.876E-15
182	1	0.00	1	-7.454E-09	1.104E-11	-3.259E-09	0.000E+00	3.279E-07	8.948E-08	0.000E+00	0.000E+00
182	1	0.00	2	7.447E-09	1.104E-11	3.260E-09	0.000E+00	-3.278E-07	8.576E-08	0.000E+00	0.000E+00
182	2	17.25	1	-7.454E-09	-2.937E+02	-3.259E-09	0.000E+00	3.841E-07	-2.533E+03	-9.618E-06	5.082E-17

182	2	17.25	2	7.447E-09	-2.937E+02	3.260E-09	0.000E+00	-3.840E-07	-2.533E+03	-9.618E-06	-5.082E-17
182	3	34.50	1	-7.454E-09	-5.874E+02	-3.259E-09	0.000E+00	4.403E-07	-1.013E+04	-1.262E-05	7.078E-17
182	3	34.50	2	7.447E-09	-5.874E+02	3.260E-09	0.000E+00	-4.402E-07	-1.013E+04	-1.262E-05	-7.078E-17
182	4	51.75	1	-7.454E-09	-8.812E+02	-3.259E-09	0.000E+00	4.966E-07	-2.280E+04	-9.263E-06	5.534E-17
182	4	51.75	2	7.447E-09	-8.812E+02	3.260E-09	0.000E+00	-4.965E-07	-2.280E+04	-9.263E-06	-5.534E-17
182	5	69.00	1	-7.454E-09	-1.175E+03	-3.259E-09	0.000E+00	5.528E-07	-4.053E+04	7.476E-15	-5.186E-24
182	5	69.00	2	7.447E-09	-1.175E+03	3.260E-09	0.000E+00	-5.527E-07	-4.053E+04	7.476E-15	5.186E-24
183	1	0.00	1	9.350E+03	4.277E+04	-4.592E+01	1.145E-01	-1.419E+06	-4.023E+04	0.000E+00	0.000E+00
183	1	0.00	2	-9.444E+03	4.277E+04	4.095E+01	1.131E-01	1.419E+06	-4.083E+04	0.000E+00	0.000E+00
183	2	45.25	1	9.351E+03	4.200E+04	-2.495E+02	1.145E-01	-1.412E+06	1.877E+06	-1.198E-03	-1.179E-03
183	2	45.25	2	-9.444E+03	4.200E+04	2.446E+02	1.131E-01	1.412E+06	1.877E+06	-1.198E-03	1.179E-03
183	3	90.50	1	9.352E+03	4.122E+04	-4.532E+02	1.145E-01	-1.396E+06	3.760E+06	-1.898E-03	-1.566E-03
183	3	90.50	2	-9.443E+03	4.123E+04	4.482E+02	1.131E-01	1.397E+06	3.760E+06	-1.898E-03	1.566E-03
183	4	135.75	1	9.352E+03	4.045E+04	-6.568E+02	1.145E-01	-1.371E+06	5.608E+06	-1.647E-03	-1.168E-03
183	4	135.75	2	-9.442E+03	4.046E+04	6.518E+02	1.131E-01	1.372E+06	5.608E+06	-1.647E-03	1.168E-03
183	5	181.00	1	9.353E+03	3.968E+04	-8.604E+02	1.145E-01	-1.337E+06	7.421E+06	-3.587E-11	1.435E-10
183	5	181.00	2	-9.441E+03	3.969E+04	8.554E+02	1.131E-01	1.338E+06	7.421E+06	-3.586E-11	-1.435E-10
184	1	0.00	1	-9.444E+03	4.277E+04	-2.646E+02	-1.131E-01	-1.431E+06	-4.083E+04	0.000E+00	0.000E+00
184	1	0.00	2	9.350E+03	4.277E+04	2.696E+02	-1.145E-01	1.431E+06	-4.023E+04	0.000E+00	0.000E+00
184	2	45.25	1	-9.444E+03	4.200E+04	-2.646E+02	-1.131E-01	-1.419E+06	1.877E+06	-1.198E-03	-1.170E-03
184	2	45.25	2	9.351E+03	4.200E+04	2.696E+02	-1.145E-01	1.419E+06	1.877E+06	-1.198E-03	1.170E-03
184	3	90.50	1	-9.443E+03	4.123E+04	-2.646E+02	-1.131E-01	-1.407E+06	3.760E+06	-1.898E-03	-1.556E-03
184	3	90.50	2	9.352E+03	4.122E+04	2.696E+02	-1.145E-01	1.407E+06	3.760E+06	-1.898E-03	1.556E-03
184	4	135.75	1	-9.442E+03	4.046E+04	-2.646E+02	-1.131E-01	-1.395E+06	5.608E+06	-1.647E-03	-1.164E-03
184	4	135.75	2	9.352E+03	4.045E+04	2.696E+02	-1.145E-01	1.394E+06	5.608E+06	-1.647E-03	1.164E-03
184	5	181.00	1	-9.441E+03	3.969E+04	-2.646E+02	-1.131E-01	-1.383E+06	7.421E+06	-3.586E-11	-9.851E-11
184	5	181.00	2	9.353E+03	3.968E+04	2.696E+02	-1.145E-01	1.382E+06	7.421E+06	-3.587E-11	9.853E-11
185	1	0.00	1	1.237E+04	3.231E+04	-4.490E+01	1.931E-02	-1.794E+06	7.422E+06	0.000E+00	0.000E+00
185	1	0.00	2	-1.243E+04	3.231E+04	4.644E+01	1.843E-02	1.795E+06	7.421E+06	0.000E+00	0.000E+00
185	2	127.25	1	1.237E+04	3.014E+04	-6.175E+02	1.931E-02	-1.752E+06	1.139E+07	-3.994E-02	-1.101E-02
185	2	127.25	2	-1.243E+04	3.014E+04	6.191E+02	1.843E-02	1.752E+06	1.139E+07	-3.994E-02	1.102E-02
185	3	254.50	1	1.237E+04	2.797E+04	-1.190E+03	1.931E-02	-1.637E+06	1.509E+07	-5.786E-02	-1.430E-02
185	3	254.50	2	-1.243E+04	2.797E+04	1.192E+03	1.843E-02	1.637E+06	1.509E+07	-5.786E-02	1.430E-02
185	4	381.75	1	1.238E+04	2.581E+04	-1.763E+03	1.931E-02	-1.449E+06	1.851E+07	-4.672E-02	-1.035E-02
185	4	381.75	2	-1.243E+04	2.581E+04	1.764E+03	1.843E-02	1.449E+06	1.851E+07	-4.672E-02	1.035E-02
185	5	509.00	1	1.238E+04	2.364E+04	-2.335E+03	1.931E-02	-1.188E+06	2.166E+07	-5.530E-10	9.576E-10
185	5	509.00	2	-1.242E+04	2.364E+04	2.337E+03	1.843E-02	1.188E+06	2.166E+07	-5.529E-10	-9.582E-10
186	1	0.00	1	-1.243E+04	3.231E+04	-1.080E+03	-1.843E-02	-1.840E+06	7.421E+06	0.000E+00	0.000E+00
186	1	0.00	2	1.237E+04	3.231E+04	1.079E+03	-1.931E-02	1.840E+06	7.422E+06	0.000E+00	0.000E+00
186	2	127.25	1	-1.243E+04	3.014E+04	-1.080E+03	-1.843E-02	-1.703E+06	1.139E+07	-3.994E-02	-1.057E-02
186	2	127.25	2	1.237E+04	3.014E+04	1.079E+03	-1.931E-02	1.702E+06	1.139E+07	-3.994E-02	1.057E-02
186	3	254.50	1	-1.243E+04	2.797E+04	-1.080E+03	-1.843E-02	-1.566E+06	1.509E+07	-5.786E-02	-1.369E-02
186	3	254.50	2	1.237E+04	2.797E+04	1.079E+03	-1.931E-02	1.565E+06	1.509E+07	-5.786E-02	1.369E-02
186	4	381.75	1	-1.243E+04	2.581E+04	-1.080E+03	-1.843E-02	-1.428E+06	1.851E+07	-4.672E-02	-9.970E-03
186	4	381.75	2	1.238E+04	2.581E+04	1.079E+03	-1.931E-02	1.428E+06	1.851E+07	-4.672E-02	9.969E-03
186	5	509.00	1	-1.242E+04	2.364E+04	-1.080E+03	-1.843E-02	-1.291E+06	2.166E+07	-5.530E-10	-8.427E-10
186	5	509.00	2	1.238E+04	2.364E+04	1.079E+03	-1.931E-02	1.291E+06	2.166E+07	-5.530E-10	8.433E-10
187	1	0.00	1	1.618E+04	1.404E+04	-1.127E+03	9.858E-03	-1.765E+06	2.166E+07	0.000E+00	0.000E+00
187	1	0.00	2	-1.621E+04	1.404E+04	1.131E+03	8.974E-03	1.765E+06	2.166E+07	0.000E+00	0.000E+00
187	2	127.50	1	1.618E+04	1.187E+04	-1.700E+03	9.858E-03	-1.585E+06	2.331E+07	-6.983E-02	-9.351E-03
187	2	127.50	2	-1.621E+04	1.187E+04	1.705E+03	8.974E-03	1.584E+06	2.331E+07	-6.983E-02	9.344E-03
187	3	255.00	1	1.618E+04	9.697E+03	-2.274E+03	9.858E-03	-1.332E+06	2.469E+07	-9.477E-02	-1.167E-02
187	3	255.00	2	-1.620E+04	9.698E+03	2.279E+03	8.974E-03	1.331E+06	2.469E+07	-9.477E-02	1.166E-02
187	4	382.50	1	1.619E+04	7.526E+03	-2.848E+03	9.858E-03	-1.005E+06	2.578E+07	-7.219E-02	-8.078E-03
187	4	382.50	2	-1.620E+04	7.527E+03	2.852E+03	8.974E-03	1.003E+06	2.578E+07	-7.219E-02	8.068E-03
187	5	510.00	1	1.619E+04	5.355E+03	-3.422E+03	9.858E-03	-6.056E+05	2.660E+07	-1.346E-09	2.047E-09
187	5	510.00	2	-1.620E+04	5.356E+03	3.426E+03	8.974E-03	6.032E+05	2.661E+07	-1.346E-09	-2.047E-09
188	1	0.00	1	-1.621E+04	1.404E+04	-2.289E+03	-8.974E-03	-1.868E+06	2.166E+07	0.000E+00	0.000E+00
188	1	0.00	2	1.618E+04	1.404E+04	2.284E+03	-9.858E-03	1.868E+06	2.166E+07	0.000E+00	0.000E+00
188	2	127.50	1	-1.621E+04	1.187E+04	-2.289E+03	-8.974E-03	-1.576E+06	2.331E+07	-6.983E-02	-9.098E-03
188	2	127.50	2	1.618E+04	1.187E+04	2.284E+03	-9.858E-03	1.577E+06	2.331E+07	-6.983E-02	9.105E-03
188	3	255.00	1	-1.620E+04	9.698E+03	-2.289E+03	-8.974E-03	-1.284E+06	2.469E+07	-9.477E-02	-1.128E-02

188	3	255.00	2	1.618E+04	9.697E+03	2.284E+03	-9.858E-03	1.285E+06	2.469E+07	-9.477E-02	1.129E-02
188	4	382.50	1	-1.620E+04	7.527E+03	-2.289E+03	-8.974E-03	-9.922E+05	2.578E+07	-7.219E-02	-7.817E-03
188	4	382.50	2	1.619E+04	7.526E+03	2.284E+03	-9.858E-03	9.941E+05	2.578E+07	-7.219E-02	7.826E-03
188	5	510.00	1	-1.620E+04	5.356E+03	-2.289E+03	-8.974E-03	-7.004E+05	2.661E+07	-1.346E-09	2.093E-09
188	5	510.00	2	1.619E+04	5.355E+03	2.284E+03	-9.858E-03	7.028E+05	2.660E+07	-1.346E-09	-2.093E-09
189	1	0.00	1	2.067E+04	-5.356E+03	-2.329E+03	-9.011E-03	-1.286E+06	2.660E+07	0.000E+00	0.000E+00
189	1	0.00	2	-2.066E+04	-5.355E+03	2.245E+03	-9.822E-03	1.283E+06	2.661E+07	0.000E+00	0.000E+00
189	2	127.50	1	2.067E+04	-7.527E+03	-2.903E+03	-9.011E-03	-9.525E+05	2.578E+07	-7.219E-02	-4.510E-03
189	2	127.50	2	-2.066E+04	-7.526E+03	2.819E+03	-9.822E-03	9.606E+05	2.578E+07	-7.219E-02	4.611E-03
189	3	255.00	1	2.067E+04	-9.698E+03	-3.477E+03	-9.011E-03	-5.457E+05	2.469E+07	-9.477E-02	-4.769E-03
189	3	255.00	2	-2.065E+04	-9.697E+03	3.393E+03	-9.822E-03	5.646E+05	2.469E+07	-9.477E-02	4.935E-03
189	4	382.50	1	2.068E+04	-1.187E+04	-4.050E+03	-9.011E-03	-6.589E+04	2.331E+07	-6.983E-02	-2.564E-03
189	4	382.50	2	-2.065E+04	-1.187E+04	3.966E+03	-9.822E-03	9.549E+04	2.331E+07	-6.983E-02	2.712E-03
189	5	510.00	1	2.068E+04	-1.404E+04	-4.624E+03	-9.011E-03	4.871E+05	2.166E+07	2.451E-09	1.155E-09
189	5	510.00	2	-2.065E+04	-1.404E+04	4.540E+03	-9.822E-03	-4.468E+05	2.166E+07	2.451E-09	-1.154E-09
190	1	0.00	1	-2.066E+04	-5.355E+03	-3.381E+03	9.822E-03	-1.381E+06	2.661E+07	0.000E+00	0.000E+00
190	1	0.00	2	2.067E+04	-5.356E+03	3.465E+03	9.011E-03	1.383E+06	2.660E+07	0.000E+00	0.000E+00
190	2	127.50	1	-2.066E+04	-7.526E+03	-3.381E+03	9.822E-03	-9.495E+05	2.578E+07	-7.219E-02	-4.361E-03
190	2	127.50	2	2.067E+04	-7.527E+03	3.465E+03	9.011E-03	9.414E+05	2.578E+07	-7.219E-02	4.260E-03
190	3	255.00	1	-2.065E+04	-9.697E+03	-3.381E+03	9.822E-03	-5.184E+05	2.469E+07	-9.477E-02	-4.553E-03
190	3	255.00	2	2.067E+04	-9.698E+03	3.465E+03	9.011E-03	4.995E+05	2.469E+07	-9.477E-02	4.387E-03
190	4	382.50	1	-2.065E+04	-1.187E+04	-3.381E+03	9.822E-03	-8.729E+04	2.331E+07	-6.983E-02	-2.468E-03
190	4	382.50	2	2.068E+04	-1.187E+04	3.465E+03	9.011E-03	5.768E+04	2.331E+07	-6.983E-02	2.320E-03
190	5	510.00	1	-2.065E+04	-1.404E+04	-3.381E+03	9.822E-03	3.438E+05	2.166E+07	2.451E-09	-5.668E-10
190	5	510.00	2	2.068E+04	-1.404E+04	3.465E+03	9.011E-03	-3.842E+05	2.166E+07	2.451E-09	5.656E-10
191	1	0.00	1	2.551E+04	-2.364E+04	-3.021E+03	-1.852E-02	-2.466E+05	2.166E+07	0.000E+00	0.000E+00
191	1	0.00	2	-2.546E+04	-2.364E+04	3.718E+03	-1.922E-02	2.872E+05	2.166E+07	0.000E+00	0.000E+00
191	2	127.25	1	2.551E+04	-2.581E+04	-3.594E+03	-1.852E-02	1.743E+05	1.851E+07	-4.671E-02	3.280E-03
191	2	127.25	2	-2.546E+04	-2.581E+04	4.291E+03	-1.922E-02	-2.224E+05	1.851E+07	-4.672E-02	-3.983E-03
191	3	254.50	1	2.551E+04	-2.797E+04	-4.166E+03	-1.852E-02	6.681E+05	1.509E+07	-5.785E-02	5.866E-03
191	3	254.50	2	-2.546E+04	-2.797E+04	4.863E+03	-1.922E-02	-8.048E+05	1.509E+07	-5.786E-02	-7.062E-03
191	4	381.75	1	2.551E+04	-3.014E+04	-4.739E+03	-1.852E-02	1.235E+06	1.139E+07	-3.994E-02	5.599E-03
191	4	381.75	2	-2.546E+04	-3.014E+04	5.436E+03	-1.922E-02	-1.460E+06	1.140E+07	-3.994E-02	-6.690E-03
191	5	509.00	1	2.552E+04	-3.231E+04	-5.312E+03	-1.852E-02	1.874E+06	7.420E+06	-9.714E-09	3.731E-11
191	5	509.00	2	-2.545E+04	-3.231E+04	6.008E+03	-1.922E-02	-2.188E+06	7.422E+06	-9.713E-09	-4.511E-11
192	1	0.00	1	-2.546E+04	-2.364E+04	-4.984E+03	1.922E-02	-3.902E+05	2.166E+07	0.000E+00	0.000E+00
192	1	0.00	2	2.551E+04	-2.364E+04	4.288E+03	1.852E-02	3.496E+05	2.166E+07	0.000E+00	0.000E+00
192	2	127.25	1	-2.546E+04	-2.581E+04	-4.984E+03	1.922E-02	2.440E+05	1.851E+07	-4.672E-02	4.375E-03
192	2	127.25	2	2.551E+04	-2.581E+04	4.288E+03	1.852E-02	-1.960E+05	1.851E+07	-4.671E-02	-3.672E-03
192	3	254.50	1	-2.546E+04	-2.797E+04	-4.984E+03	1.922E-02	8.783E+05	1.509E+07	-5.786E-02	7.683E-03
192	3	254.50	2	2.551E+04	-2.797E+04	4.288E+03	1.852E-02	-7.416E+05	1.509E+07	-5.785E-02	-6.487E-03
192	4	381.75	1	-2.546E+04	-3.014E+04	-4.984E+03	1.922E-02	1.513E+06	1.140E+07	-3.994E-02	7.149E-03
192	4	381.75	2	2.551E+04	-3.014E+04	4.288E+03	1.852E-02	-1.287E+06	1.139E+07	-3.994E-02	-6.059E-03
192	5	509.00	1	-2.545E+04	-3.231E+04	-4.984E+03	1.922E-02	2.147E+06	7.422E+06	-9.713E-09	2.071E-10
192	5	509.00	2	2.552E+04	-3.231E+04	4.288E+03	1.852E-02	-1.833E+06	7.420E+06	-9.714E-09	-1.993E-10
193	1	0.00	1	3.014E+04	-3.968E+04	-5.780E+03	-1.138E-01	1.171E+06	7.420E+06	0.000E+00	0.000E+00
193	1	0.00	2	-3.005E+04	-3.969E+04	3.950E+03	-1.137E-01	-1.488E+06	7.422E+06	0.000E+00	0.000E+00
193	2	45.25	1	3.014E+04	-4.045E+04	-5.984E+03	-1.138E-01	1.437E+06	5.607E+06	-1.647E-03	1.328E-03
193	2	45.25	2	-3.005E+04	-4.046E+04	4.154E+03	-1.137E-01	-1.671E+06	5.609E+06	-1.647E-03	-1.477E-03
193	3	90.50	1	3.014E+04	-4.122E+04	-6.187E+03	-1.138E-01	1.712E+06	3.759E+06	-1.897E-03	1.873E-03
193	3	90.50	2	-3.005E+04	-4.123E+04	4.357E+03	-1.137E-01	-1.864E+06	3.761E+06	-1.898E-03	-2.041E-03
193	4	135.75	1	3.014E+04	-4.199E+04	-6.391E+03	-1.138E-01	1.997E+06	1.877E+06	-1.197E-03	1.483E-03
193	4	135.75	2	-3.005E+04	-4.200E+04	4.561E+03	-1.137E-01	-2.065E+06	1.878E+06	-1.198E-03	-1.586E-03
193	5	181.00	1	3.014E+04	-4.276E+04	-6.595E+03	-1.138E-01	2.291E+06	-4.078E+04	-6.288E-10	3.194E-10
193	5	181.00	2	-3.005E+04	-4.277E+04	4.765E+03	-1.137E-01	-2.276E+06	-4.029E+04	-6.290E-10	-2.796E-10
194	1	0.00	1	-3.005E+04	-3.969E+04	-4.516E+03	1.137E-01	1.447E+06	7.422E+06	0.000E+00	0.000E+00
194	1	0.00	2	3.014E+04	-3.968E+04	6.346E+03	1.138E-01	-1.130E+06	7.420E+06	0.000E+00	0.000E+00
194	2	45.25	1	-3.005E+04	-4.046E+04	-4.516E+03	1.137E-01	1.651E+06	5.609E+06	-1.647E-03	1.483E-03
194	2	45.25	2	3.014E+04	-4.045E+04	6.346E+03	1.138E-01	-1.417E+06	5.607E+06	-1.647E-03	-1.335E-03
194	3	90.50	1	-3.005E+04	-4.123E+04	-4.516E+03	1.137E-01	1.856E+06	3.761E+06	-1.898E-03	2.053E-03
194	3	90.50	2	3.014E+04	-4.122E+04	6.346E+03	1.138E-01	-1.704E+06	3.759E+06	-1.897E-03	-1.885E-03
194	4	135.75	1	-3.005E+04	-4.200E+04	-4.516E+03	1.137E-01	2.060E+06	1.878E+06	-1.198E-03	1.596E-03

194	4	135.75	2	3.014E+04	-4.199E+04	6.346E+03	1.138E-01	-1.992E+06	1.877E+06	-1.197E-03	-1.493E-03
194	5	181.00	1	-3.005E+04	-4.277E+04	-4.516E+03	1.137E-01	2.264E+06	-4.029E+04	-6.290E-10	2.209E-10
194	5	181.00	2	3.014E+04	-4.276E+04	6.346E+03	1.138E-01	-2.279E+06	-4.078E+04	-6.288E-10	-2.608E-10
195	1	0.00	1	-1.703E+00	1.175E+03	3.105E+02	-9.202E-11	1.071E+04	-4.053E+04	0.000E+00	0.000E+00
195	1	0.00	2	-1.703E+00	1.175E+03	-3.105E+02	8.756E-11	-1.071E+04	-4.053E+04	0.000E+00	0.000E+00
195	2	17.25	1	-1.277E+00	8.812E+02	2.329E+02	-9.202E-11	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06
195	2	17.25	2	-1.277E+00	8.812E+02	-2.329E+02	8.756E-11	-6.026E+03	-2.280E+04	-9.263E-06	2.166E-06
195	3	34.50	1	-8.514E-01	5.874E+02	1.553E+02	-9.202E-11	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
195	3	34.50	2	-8.514E-01	5.874E+02	-1.553E+02	8.756E-11	-2.678E+03	-1.013E+04	-1.262E-05	3.050E-06
195	4	51.75	1	-4.257E-01	2.937E+02	7.763E+01	-9.202E-11	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06
195	4	51.75	2	-4.257E-01	2.937E+02	-7.763E+01	8.756E-11	-6.695E+02	-2.533E+03	-9.618E-06	2.382E-06
195	5	69.00	1	5.600E-09	-1.831E-11	1.252E-09	-9.202E-11	-1.003E-07	3.253E-08	1.621E-13	-2.432E-13
195	5	69.00	2	-5.733E-09	-1.081E-09	-1.058E-09	8.756E-11	9.482E-08	3.747E-08	1.621E-13	2.432E-13
196	1	0.00	1	-1.703E+00	1.175E+03	9.392E-10	-1.816E-10	-1.826E-07	-4.053E+04	0.000E+00	0.000E+00
196	1	0.00	2	-1.703E+00	1.175E+03	-9.234E-10	1.920E-10	1.750E-07	-4.053E+04	0.000E+00	0.000E+00
196	2	17.25	1	-1.277E+00	8.812E+02	9.392E-10	-1.816E-10	-1.988E-07	-2.280E+04	-9.263E-06	-2.524E-17
196	2	17.25	2	-1.277E+00	8.812E+02	-9.234E-10	1.920E-10	1.909E-07	-2.280E+04	-9.263E-06	2.433E-17
196	3	34.50	1	-8.514E-01	5.874E+02	9.392E-10	-1.816E-10	-2.150E-07	-1.013E+04	-1.262E-05	-3.453E-17
196	3	34.50	2	-8.514E-01	5.874E+02	-9.234E-10	1.920E-10	2.069E-07	-1.013E+04	-1.262E-05	3.329E-17
196	4	51.75	1	-4.257E-01	2.937E+02	9.392E-10	-1.816E-10	-2.312E-07	-2.533E+03	-9.618E-06	-2.655E-17
196	4	51.75	2	-4.257E-01	2.937E+02	-9.234E-10	1.920E-10	2.228E-07	-2.533E+03	-9.618E-06	2.561E-17
196	5	69.00	1	8.232E-09	3.891E-10	9.392E-10	-1.816E-10	-2.474E-07	-1.013E-08	1.621E-13	3.292E-24
196	5	69.00	2	-8.387E-09	3.891E-10	-9.234E-10	1.920E-10	2.387E-07	-9.582E-08	1.621E-13	-3.333E-24
197	1	0.00	1	7.995E-10	1.929E-10	-1.390E-09	-6.611E-11	-2.634E-08	-7.876E-09	0.000E+00	0.000E+00
197	1	0.00	2	-7.903E-10	-4.765E-10	1.386E-09	6.639E-11	2.611E-08	3.683E-08	0.000E+00	0.000E+00
197	2	17.25	1	4.257E-01	-2.937E+02	-7.763E+01	-6.611E-11	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06
197	2	17.25	2	4.257E-01	-2.937E+02	7.763E+01	6.639E-11	-6.695E+02	-2.533E+03	-9.618E-06	2.382E-06
197	3	34.50	1	8.514E-01	-5.874E+02	-1.553E+02	-6.611E-11	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
197	3	34.50	2	8.514E-01	-5.874E+02	1.553E+02	6.639E-11	-2.678E+03	-1.013E+04	-1.262E-05	3.050E-06
197	4	51.75	1	1.277E+00	-8.812E+02	-2.329E+02	-6.611E-11	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06
197	4	51.75	2	1.277E+00	-8.812E+02	2.329E+02	6.639E-11	-6.026E+03	-2.280E+04	-9.263E-06	2.166E-06
197	5	69.00	1	1.703E+00	-1.175E+03	-3.105E+02	-6.611E-11	1.071E+04	-4.053E+04	-1.369E-14	-2.253E-15
197	5	69.00	2	1.703E+00	-1.175E+03	3.105E+02	6.639E-11	-1.071E+04	-4.053E+04	-1.369E-14	2.253E-15
198	1	0.00	1	-5.707E-09	2.530E-10	1.613E-12	-6.806E-11	-5.957E-08	1.494E-08	0.000E+00	0.000E+00
198	1	0.00	2	5.705E-09	2.675E-10	1.613E-12	6.776E-11	5.964E-08	4.474E-08	0.000E+00	0.000E+00
198	2	17.25	1	4.257E-01	-2.937E+02	1.613E-12	-6.806E-11	-5.960E-08	-2.533E+03	-9.618E-06	-7.186E-18
198	2	17.25	2	4.257E-01	-2.937E+02	1.613E-12	6.776E-11	5.961E-08	-2.533E+03	-9.618E-06	7.186E-18
198	3	34.50	1	8.514E-01	-5.874E+02	1.613E-12	-6.806E-11	-5.963E-08	-1.013E+04	-1.262E-05	-9.582E-18
198	3	34.50	2	8.514E-01	-5.874E+02	1.613E-12	6.776E-11	5.958E-08	-1.013E+04	-1.262E-05	9.582E-18
198	4	51.75	1	1.277E+00	-8.812E+02	1.613E-12	-6.806E-11	-5.965E-08	-2.280E+04	-9.263E-06	-7.186E-18
198	4	51.75	2	1.277E+00	-8.812E+02	1.613E-12	6.776E-11	5.955E-08	-2.280E+04	-9.263E-06	7.186E-18
198	5	69.00	1	1.703E+00	-1.175E+03	1.613E-12	-6.806E-11	-5.968E-08	-4.053E+04	-1.369E-14	-2.254E-24
198	5	69.00	2	1.703E+00	-1.175E+03	1.613E-12	6.776E-11	5.953E-08	-4.053E+04	-1.369E-14	2.254E-24
199	1	0.00	1	3.005E+04	4.277E+04	6.609E+03	1.124E-01	2.291E+06	-4.127E+04	0.000E+00	0.000E+00
199	1	0.00	2	-3.014E+04	4.276E+04	-4.750E+03	1.152E-01	-2.276E+06	-3.979E+04	0.000E+00	0.000E+00
199	2	45.25	1	3.005E+04	4.200E+04	6.405E+03	1.124E-01	1.996E+06	1.877E+06	-1.198E-03	1.482E-03
199	2	45.25	2	-3.014E+04	4.199E+04	-4.547E+03	1.152E-01	-2.066E+06	1.878E+06	-1.198E-03	-1.586E-03
199	3	90.50	1	3.005E+04	4.123E+04	6.202E+03	1.124E-01	1.711E+06	3.760E+06	-1.898E-03	1.872E-03
199	3	90.50	2	-3.014E+04	4.122E+04	-4.343E+03	1.152E-01	-1.865E+06	3.760E+06	-1.898E-03	-2.042E-03
199	4	135.75	1	3.005E+04	4.046E+04	5.998E+03	1.124E-01	1.435E+06	5.608E+06	-1.647E-03	1.327E-03
199	4	135.75	2	-3.014E+04	4.045E+04	-4.139E+03	1.152E-01	-1.673E+06	5.608E+06	-1.647E-03	-1.478E-03
199	5	181.00	1	3.005E+04	3.969E+04	5.794E+03	1.124E-01	1.168E+06	7.422E+06	-1.187E-10	3.017E-10
199	5	181.00	2	-3.014E+04	3.968E+04	-3.936E+03	1.152E-01	-1.490E+06	7.421E+06	-1.187E-10	-3.037E-10
200	1	0.00	1	-3.014E+04	4.276E+04	4.502E+03	-1.152E-01	2.264E+06	-3.979E+04	0.000E+00	0.000E+00
200	1	0.00	2	3.005E+04	4.277E+04	-6.360E+03	-1.124E-01	-2.279E+06	-4.127E+04	0.000E+00	0.000E+00
200	2	45.25	1	-3.014E+04	4.199E+04	4.502E+03	-1.152E-01	2.061E+06	1.878E+06	-1.198E-03	1.597E-03
200	2	45.25	2	3.005E+04	4.200E+04	-6.360E+03	-1.124E-01	-1.991E+06	1.877E+06	-1.198E-03	-1.492E-03
200	3	90.50	1	-3.014E+04	4.122E+04	4.502E+03	-1.152E-01	1.857E+06	3.760E+06	-1.898E-03	2.054E-03
200	3	90.50	2	3.005E+04	4.123E+04	-6.360E+03	-1.124E-01	-1.703E+06	3.760E+06	-1.898E-03	-1.884E-03
200	4	135.75	1	-3.014E+04	4.045E+04	4.502E+03	-1.152E-01	1.653E+06	5.608E+06	-1.647E-03	1.484E-03
200	4	135.75	2	3.005E+04	4.046E+04	-6.360E+03	-1.124E-01	-1.415E+06	5.608E+06	-1.647E-03	-1.333E-03
200	5	181.00	1	-3.014E+04	3.968E+04	4.502E+03	-1.152E-01	1.450E+06	7.421E+06	-1.187E-10	1.157E-10

200	5	181.00	2	3.005E+04	3.969E+04	-6.360E+03	-1.124E-01	-1.127E+06	7.422E+06	-1.187E-10	-1.137E-10
201	1	0.00	1	2.545E+04	3.231E+04	5.306E+03	1.788E-02	1.872E+06	7.421E+06	0.000E+00	0.000E+00
201	1	0.00	2	-2.552E+04	3.231E+04	-6.014E+03	1.986E-02	-2.191E+06	7.421E+06	0.000E+00	0.000E+00
201	2	127.25	1	2.546E+04	3.014E+04	4.733E+03	1.788E-02	1.233E+06	1.139E+07	-3.994E-02	5.590E-03
201	2	127.25	2	-2.551E+04	3.014E+04	-5.442E+03	1.986E-02	-1.462E+06	1.139E+07	-3.994E-02	-6.699E-03
201	3	254.50	1	2.546E+04	2.797E+04	4.160E+03	1.788E-02	6.670E+05	1.509E+07	-5.786E-02	5.857E-03
201	3	254.50	2	-2.551E+04	2.797E+04	-4.869E+03	1.986E-02	-8.059E+05	1.509E+07	-5.786E-02	-7.072E-03
201	4	381.75	1	2.546E+04	2.581E+04	3.588E+03	1.788E-02	1.740E+05	1.851E+07	-4.672E-02	3.275E-03
201	4	381.75	2	-2.551E+04	2.581E+04	-4.297E+03	1.986E-02	-2.227E+05	1.851E+07	-4.672E-02	-3.989E-03
201	5	509.00	1	2.546E+04	2.364E+04	3.015E+03	1.788E-02	-2.462E+05	2.166E+07	-1.046E-09	-1.382E-09
201	5	509.00	2	-2.551E+04	2.364E+04	-3.724E+03	1.986E-02	2.876E+05	2.166E+07	-1.046E-09	1.239E-09
202	1	0.00	1	-2.552E+04	3.231E+04	4.990E+03	-1.986E-02	2.149E+06	7.421E+06	0.000E+00	0.000E+00
202	1	0.00	2	2.545E+04	3.231E+04	-4.282E+03	-1.788E-02	-1.830E+06	7.421E+06	0.000E+00	0.000E+00
202	2	127.25	1	-2.551E+04	3.014E+04	4.990E+03	-1.986E-02	1.514E+06	1.139E+07	-3.994E-02	7.158E-03
202	2	127.25	2	2.546E+04	3.014E+04	-4.282E+03	-1.788E-02	-1.285E+06	1.139E+07	-3.994E-02	-6.050E-03
202	3	254.50	1	-2.551E+04	2.797E+04	4.990E+03	-1.986E-02	8.794E+05	1.509E+07	-5.786E-02	7.693E-03
202	3	254.50	2	2.546E+04	2.797E+04	-4.282E+03	-1.788E-02	-7.405E+05	1.509E+07	-5.786E-02	-6.477E-03
202	4	381.75	1	-2.551E+04	2.581E+04	4.990E+03	-1.986E-02	2.444E+05	1.851E+07	-4.672E-02	4.381E-03
202	4	381.75	2	2.546E+04	2.581E+04	-4.282E+03	-1.788E-02	-1.956E+05	1.851E+07	-4.672E-02	-3.667E-03
202	5	509.00	1	-2.551E+04	2.364E+04	4.990E+03	-1.986E-02	-3.906E+05	2.166E+07	-1.046E-09	1.618E-09
202	5	509.00	2	2.546E+04	2.364E+04	-4.282E+03	-1.788E-02	3.492E+05	2.166E+07	-1.046E-09	-1.475E-09
203	1	0.00	1	2.065E+04	1.404E+04	4.625E+03	8.461E-03	4.874E+05	2.166E+07	0.000E+00	0.000E+00
203	1	0.00	2	-2.068E+04	1.404E+04	-4.540E+03	1.037E-02	-4.465E+05	2.166E+07	0.000E+00	0.000E+00
203	2	127.50	1	2.065E+04	1.187E+04	4.051E+03	8.461E-03	-6.566E+04	2.331E+07	-6.983E-02	-2.562E-03
203	2	127.50	2	-2.068E+04	1.187E+04	-3.966E+03	1.037E-02	9.572E+04	2.331E+07	-6.983E-02	2.713E-03
203	3	255.00	1	2.065E+04	9.698E+03	3.477E+03	8.461E-03	-5.456E+05	2.469E+07	-9.477E-02	-4.768E-03
203	3	255.00	2	-2.067E+04	9.697E+03	-3.392E+03	1.037E-02	5.648E+05	2.469E+07	-9.477E-02	4.937E-03
203	4	382.50	1	2.066E+04	7.527E+03	2.903E+03	8.461E-03	-9.524E+05	2.578E+07	-7.219E-02	-4.509E-03
203	4	382.50	2	-2.067E+04	7.526E+03	-2.818E+03	1.037E-02	9.607E+05	2.578E+07	-7.219E-02	4.612E-03
203	5	510.00	1	2.066E+04	5.356E+03	2.330E+03	8.461E-03	-1.286E+06	2.661E+07	-1.170E-09	2.385E-10
203	5	510.00	2	-2.067E+04	5.355E+03	-2.245E+03	1.037E-02	1.283E+06	2.660E+07	-1.170E-09	-2.414E-10
204	1	0.00	1	-2.068E+04	1.404E+04	3.381E+03	-1.037E-02	3.435E+05	2.166E+07	0.000E+00	0.000E+00
204	1	0.00	2	2.065E+04	1.404E+04	-3.466E+03	-8.461E-03	-3.844E+05	2.166E+07	0.000E+00	0.000E+00
204	2	127.50	1	-2.068E+04	1.187E+04	3.381E+03	-1.037E-02	-8.751E+04	2.331E+07	-6.983E-02	-2.469E-03
204	2	127.50	2	2.065E+04	1.187E+04	-3.466E+03	-8.461E-03	5.746E+04	2.331E+07	-6.983E-02	2.319E-03
204	3	255.00	1	-2.067E+04	9.697E+03	3.381E+03	-1.037E-02	-5.186E+05	2.469E+07	-9.477E-02	-4.554E-03
204	3	255.00	2	2.065E+04	9.698E+03	-3.466E+03	-8.461E-03	4.994E+05	2.469E+07	-9.477E-02	4.385E-03
204	4	382.50	1	-2.067E+04	7.526E+03	3.381E+03	-1.037E-02	-9.496E+05	2.578E+07	-7.219E-02	-4.362E-03
204	4	382.50	2	2.066E+04	7.527E+03	-3.466E+03	-8.461E-03	9.413E+05	2.578E+07	-7.219E-02	4.259E-03
204	5	510.00	1	-2.067E+04	5.355E+03	3.381E+03	-1.037E-02	-1.381E+06	2.660E+07	-1.170E-09	-3.393E-11
204	5	510.00	2	2.066E+04	5.356E+03	-3.466E+03	-8.461E-03	1.383E+06	2.661E+07	-1.170E-09	3.689E-11
205	1	0.00	1	1.620E+04	-5.355E+03	3.421E+03	-1.034E-02	-6.057E+05	2.661E+07	0.000E+00	0.000E+00
205	1	0.00	2	-1.619E+04	-5.356E+03	-3.426E+03	-8.498E-03	6.031E+05	2.661E+07	0.000E+00	0.000E+00
205	2	127.50	1	1.620E+04	-7.526E+03	2.848E+03	-1.034E-02	-1.005E+06	2.578E+07	-7.219E-02	-8.078E-03
205	2	127.50	2	-1.619E+04	-7.527E+03	-2.853E+03	-8.498E-03	1.003E+06	2.578E+07	-7.219E-02	8.068E-03
205	3	255.00	1	1.620E+04	-9.697E+03	2.274E+03	-1.034E-02	-1.332E+06	2.469E+07	-9.477E-02	-1.167E-02
205	3	255.00	2	-1.618E+04	-9.698E+03	-2.279E+03	-8.498E-03	1.331E+06	2.469E+07	-9.477E-02	1.166E-02
205	4	382.50	1	1.621E+04	-1.187E+04	1.700E+03	-1.034E-02	-1.585E+06	2.331E+07	-6.983E-02	-9.351E-03
205	4	382.50	2	-1.618E+04	-1.187E+04	-1.705E+03	-8.498E-03	1.585E+06	2.331E+07	-6.983E-02	9.344E-03
205	5	510.00	1	1.621E+04	-1.404E+04	1.126E+03	-1.034E-02	-1.765E+06	2.166E+07	2.367E-09	2.821E-09
205	5	510.00	2	-1.618E+04	-1.404E+04	-1.131E+03	-8.498E-03	1.765E+06	2.166E+07	2.367E-09	-2.820E-09
206	1	0.00	1	-1.619E+04	-5.356E+03	2.289E+03	8.498E-03	-7.003E+05	2.661E+07	0.000E+00	0.000E+00
206	1	0.00	2	1.620E+04	-5.355E+03	-2.284E+03	1.033E-02	7.029E+05	2.661E+07	0.000E+00	0.000E+00
206	2	127.50	1	-1.619E+04	-7.527E+03	2.289E+03	8.498E-03	-9.922E+05	2.578E+07	-7.219E-02	-7.817E-03
206	2	127.50	2	1.620E+04	-7.526E+03	-2.284E+03	1.033E-02	9.941E+05	2.578E+07	-7.219E-02	7.826E-03
206	3	255.00	1	-1.618E+04	-9.698E+03	2.289E+03	8.498E-03	-1.284E+06	2.469E+07	-9.477E-02	-1.128E-02
206	3	255.00	2	1.620E+04	-9.697E+03	-2.284E+03	1.033E-02	1.285E+06	2.469E+07	-9.477E-02	1.129E-02
206	4	382.50	1	-1.618E+04	-1.187E+04	2.289E+03	8.498E-03	-1.576E+06	2.331E+07	-6.983E-02	-9.098E-03
206	4	382.50	2	1.621E+04	-1.187E+04	-2.284E+03	1.033E-02	1.577E+06	2.331E+07	-6.983E-02	9.105E-03
206	5	510.00	1	-1.618E+04	-1.404E+04	2.289E+03	8.498E-03	-1.868E+06	2.166E+07	2.367E-09	-2.543E-10
206	5	510.00	2	1.621E+04	-1.404E+04	-2.284E+03	1.033E-02	1.868E+06	2.166E+07	2.367E-09	2.534E-10
207	1	0.00	1	1.242E+04	-2.364E+04	2.337E+03	-1.977E-02	-1.188E+06	2.166E+07	0.000E+00	0.000E+00

207	1	0.00	2	-1.238E+04	-2.364E+04	-2.336E+03	-1.797E-02	1.188E+06	2.166E+07	0.000E+00	0.000E+00
207	2	127.25	1	1.243E+04	-2.581E+04	1.764E+03	-1.977E-02	-1.449E+06	1.851E+07	-4.672E-02	-1.035E-02
207	2	127.25	2	-1.238E+04	-2.581E+04	-1.763E+03	-1.797E-02	1.449E+06	1.851E+07	-4.672E-02	1.035E-02
207	3	254.50	1	1.243E+04	-2.797E+04	1.191E+03	-1.977E-02	-1.637E+06	1.509E+07	-5.786E-02	-1.430E-02
207	3	254.50	2	-1.237E+04	-2.797E+04	-1.190E+03	-1.797E-02	1.637E+06	1.509E+07	-5.786E-02	1.430E-02
207	4	381.75	1	1.243E+04	-3.014E+04	6.188E+02	-1.977E-02	-1.752E+06	1.140E+07	-3.994E-02	-1.102E-02
207	4	381.75	2	-1.237E+04	-3.014E+04	-6.178E+02	-1.797E-02	1.752E+06	1.139E+07	-3.994E-02	1.101E-02
207	5	509.00	1	1.243E+04	-3.231E+04	4.619E+01	-1.977E-02	-1.795E+06	7.422E+06	-1.006E-08	-1.060E-09
207	5	509.00	2	-1.237E+04	-3.231E+04	-4.516E+01	-1.797E-02	1.794E+06	7.420E+06	-1.006E-08	1.061E-09
208	1	0.00	1	-1.238E+04	-2.364E+04	1.079E+03	1.797E-02	-1.291E+06	2.166E+07	0.000E+00	0.000E+00
208	1	0.00	2	1.242E+04	-2.364E+04	-1.080E+03	1.977E-02	1.291E+06	2.166E+07	0.000E+00	0.000E+00
208	2	127.25	1	-1.238E+04	-2.581E+04	1.079E+03	1.797E-02	-1.428E+06	1.851E+07	-4.672E-02	-9.969E-03
208	2	127.25	2	1.243E+04	-2.581E+04	-1.080E+03	1.977E-02	1.428E+06	1.851E+07	-4.672E-02	9.971E-03
208	3	254.50	1	-1.237E+04	-2.797E+04	1.079E+03	1.797E-02	-1.565E+06	1.509E+07	-5.786E-02	-1.369E-02
208	3	254.50	2	1.243E+04	-2.797E+04	-1.080E+03	1.977E-02	1.566E+06	1.509E+07	-5.786E-02	1.369E-02
208	4	381.75	1	-1.237E+04	-3.014E+04	1.079E+03	1.797E-02	-1.702E+06	1.139E+07	-3.994E-02	-1.057E-02
208	4	381.75	2	1.243E+04	-3.014E+04	-1.080E+03	1.977E-02	1.703E+06	1.140E+07	-3.994E-02	1.057E-02
208	5	509.00	1	-1.237E+04	-3.231E+04	1.079E+03	1.797E-02	-1.840E+06	7.420E+06	-1.006E-08	2.098E-09
208	5	509.00	2	1.243E+04	-3.231E+04	-1.080E+03	1.977E-02	1.840E+06	7.422E+06	-1.006E-08	-2.099E-09
209	1	0.00	1	9.441E+03	-3.968E+04	8.557E+02	-1.144E-01	-1.338E+06	7.422E+06	0.000E+00	0.000E+00
209	1	0.00	2	-9.353E+03	-3.969E+04	-8.602E+02	-1.131E-01	1.337E+06	7.421E+06	0.000E+00	0.000E+00
209	2	45.25	1	9.442E+03	-4.045E+04	6.521E+02	-1.144E-01	-1.372E+06	5.609E+06	-1.647E-03	-1.168E-03
209	2	45.25	2	-9.352E+03	-4.046E+04	-6.566E+02	-1.131E-01	1.371E+06	5.608E+06	-1.647E-03	1.168E-03
209	3	90.50	1	9.443E+03	-4.122E+04	4.484E+02	-1.144E-01	-1.397E+06	3.761E+06	-1.898E-03	-1.566E-03
209	3	90.50	2	-9.352E+03	-4.123E+04	-4.529E+02	-1.131E-01	1.396E+06	3.759E+06	-1.897E-03	1.566E-03
209	4	135.75	1	9.444E+03	-4.200E+04	2.448E+02	-1.144E-01	-1.412E+06	1.878E+06	-1.198E-03	-1.179E-03
209	4	135.75	2	-9.351E+03	-4.200E+04	-2.493E+02	-1.131E-01	1.412E+06	1.877E+06	-1.197E-03	1.179E-03
209	5	181.00	1	9.444E+03	-4.277E+04	4.118E+01	-1.144E-01	-1.419E+06	-3.985E+04	-2.864E-10	2.138E-11
209	5	181.00	2	-9.350E+03	-4.277E+04	-4.569E+01	-1.131E-01	1.419E+06	-4.122E+04	-2.863E-10	-2.140E-11
210	1	0.00	1	-9.353E+03	-3.969E+04	2.693E+02	1.131E-01	-1.382E+06	7.421E+06	0.000E+00	0.000E+00
210	1	0.00	2	9.441E+03	-3.968E+04	-2.648E+02	1.144E-01	1.383E+06	7.422E+06	0.000E+00	0.000E+00
210	2	45.25	1	-9.352E+03	-4.046E+04	2.693E+02	1.131E-01	-1.394E+06	5.608E+06	-1.647E-03	-1.164E-03
210	2	45.25	2	9.442E+03	-4.045E+04	-2.648E+02	1.144E-01	1.395E+06	5.609E+06	-1.647E-03	1.164E-03
210	3	90.50	1	-9.352E+03	-4.123E+04	2.693E+02	1.131E-01	-1.407E+06	3.759E+06	-1.897E-03	-1.556E-03
210	3	90.50	2	9.443E+03	-4.122E+04	-2.648E+02	1.144E-01	1.407E+06	3.761E+06	-1.898E-03	1.556E-03
210	4	135.75	1	-9.351E+03	-4.200E+04	2.693E+02	1.131E-01	-1.419E+06	1.877E+06	-1.197E-03	-1.170E-03
210	4	135.75	2	9.444E+03	-4.200E+04	-2.648E+02	1.144E-01	1.419E+06	1.878E+06	-1.198E-03	1.170E-03
210	5	181.00	1	-9.350E+03	-4.277E+04	2.693E+02	1.131E-01	-1.431E+06	-4.122E+04	-2.863E-10	-2.387E-10
210	5	181.00	2	9.444E+03	-4.277E+04	-2.648E+02	1.144E-01	1.431E+06	-3.985E+04	-2.864E-10	2.387E-10
211	1	0.00	1	-3.865E-12	1.175E+03	3.105E+02	-9.603E-16	1.071E+04	-4.053E+04	0.000E+00	0.000E+00
211	1	0.00	2	-3.865E-12	1.175E+03	-3.105E+02	-7.211E-17	-1.071E+04	-4.053E+04	0.000E+00	0.000E+00
211	2	17.25	1	-3.865E-12	8.812E+02	2.329E+02	-9.603E-16	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06
211	2	17.25	2	-3.865E-12	8.812E+02	-2.329E+02	-7.211E-17	-6.026E+03	-2.280E+04	-9.263E-06	2.166E-06
211	3	34.50	1	-3.865E-12	5.874E+02	1.553E+02	-9.603E-16	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
211	3	34.50	2	-3.865E-12	5.874E+02	-1.553E+02	-7.211E-17	-2.678E+03	-1.013E+04	-1.262E-05	3.050E-06
211	4	51.75	1	-3.865E-12	2.937E+02	7.763E+01	-9.603E-16	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06
211	4	51.75	2	-3.865E-12	2.937E+02	-7.763E+01	-7.211E-17	-6.695E+02	-2.533E+03	-9.618E-06	2.382E-06
211	5	69.00	1	-3.865E-12	1.701E-09	4.284E-08	-9.603E-16	-2.479E-06	5.081E-08	3.799E-13	1.372E-13
211	5	69.00	2	-3.865E-12	-1.217E-09	-4.284E-08	-7.211E-17	2.479E-06	-1.095E-07	3.799E-13	-1.372E-13
212	1	0.00	1	-7.453E-09	1.175E+03	1.723E-08	7.000E-16	-4.769E-07	-4.053E+04	0.000E+00	0.000E+00
212	1	0.00	2	7.448E-09	1.175E+03	-1.723E-08	7.000E-16	4.768E-07	-4.053E+04	0.000E+00	0.000E+00
212	2	17.25	1	-7.453E-09	8.812E+02	1.723E-08	7.000E-16	-7.741E-07	-2.280E+04	-9.263E-06	-1.172E-16
212	2	17.25	2	7.448E-09	8.812E+02	-1.723E-08	7.000E-16	7.740E-07	-2.280E+04	-9.263E-06	1.172E-16
212	3	34.50	1	-7.453E-09	5.874E+02	1.723E-08	7.000E-16	-1.071E-06	-1.013E+04	-1.262E-05	-1.722E-16
212	3	34.50	2	7.448E-09	5.874E+02	-1.723E-08	7.000E-16	1.071E-06	-1.013E+04	-1.262E-05	1.722E-16
212	4	51.75	1	-7.453E-09	2.937E+02	1.723E-08	7.000E-16	-1.369E-06	-2.533E+03	-9.618E-06	-1.411E-16
212	4	51.75	2	7.448E-09	2.937E+02	-1.723E-08	7.000E-16	1.368E-06	-2.533E+03	-9.618E-06	1.411E-16
212	5	69.00	1	-7.453E-09	1.527E-10	1.723E-08	7.000E-16	-1.666E-06	9.674E-08	3.799E-13	4.812E-24
212	5	69.00	2	7.448E-09	1.672E-10	-1.723E-08	7.000E-16	1.665E-06	9.774E-08	3.799E-13	-4.812E-24
213	1	0.00	1	9.277E-10	7.405E-10	-2.916E-11	0.000E+00	7.445E-09	5.922E-08	0.000E+00	0.000E+00
213	1	0.00	2	-9.350E-10	-8.166E-10	2.905E-11	0.000E+00	-7.456E-09	5.922E-08	0.000E+00	0.000E+00
213	2	17.25	1	9.277E-10	-2.937E+02	-7.763E+01	0.000E+00	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06

213	2	17.25	2	-9.350E-10	-2.937E+02	7.763E+01	0.000E+00	-6.695E+02	-2.533E+03	-9.618E-06	2.382E-06
213	3	34.50	1	9.277E-10	-5.874E+02	-1.553E+02	0.000E+00	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
213	3	34.50	2	-9.350E-10	-5.874E+02	1.553E+02	0.000E+00	-2.678E+03	-1.013E+04	-1.262E-05	3.050E-06
213	4	51.75	1	9.277E-10	-8.812E+02	-2.329E+02	0.000E+00	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06
213	4	51.75	2	-9.350E-10	-8.812E+02	2.329E+02	0.000E+00	-6.026E+03	-2.280E+04	-9.263E-06	2.166E-06
213	5	69.00	1	9.277E-10	-1.175E+03	-3.105E+02	0.000E+00	1.071E+04	-4.053E+04	7.488E-15	3.407E-15
213	5	69.00	2	-9.350E-10	-1.175E+03	3.105E+02	0.000E+00	-1.071E+04	-4.053E+04	7.488E-15	-3.407E-15
214	1	0.00	1	-9.353E-10	-1.108E-10	8.737E-11	0.000E+00	7.449E-09	1.076E-07	0.000E+00	0.000E+00
214	1	0.00	2	9.273E-10	-9.628E-11	-8.726E-11	0.000E+00	-7.452E-09	1.002E-07	0.000E+00	0.000E+00
214	2	17.25	1	-9.353E-10	-2.937E+02	8.737E-11	0.000E+00	5.942E-09	-2.533E+03	-9.618E-06	5.956E-19
214	2	17.25	2	9.273E-10	-2.937E+02	-8.726E-11	0.000E+00	-5.947E-09	-2.533E+03	-9.618E-06	-5.956E-19
214	3	34.50	1	-9.353E-10	-5.874E+02	8.737E-11	0.000E+00	4.435E-09	-1.013E+04	-1.262E-05	7.135E-19
214	3	34.50	2	9.273E-10	-5.874E+02	-8.726E-11	0.000E+00	-4.442E-09	-1.013E+04	-1.262E-05	-7.135E-19
214	4	51.75	1	-9.353E-10	-8.812E+02	8.737E-11	0.000E+00	2.928E-09	-2.280E+04	-9.263E-06	4.746E-19
214	4	51.75	2	9.273E-10	-8.812E+02	-8.726E-11	0.000E+00	-2.937E-09	-2.280E+04	-9.263E-06	-4.746E-19
214	5	69.00	1	-9.353E-10	-1.175E+03	8.737E-11	0.000E+00	1.421E-09	-4.053E+04	7.480E-15	-9.910E-26
214	5	69.00	2	9.273E-10	-1.175E+03	-8.726E-11	0.000E+00	-1.431E-09	-4.053E+04	7.480E-15	9.910E-26
215	1	0.00	1	9.349E+03	4.337E+04	-4.592E+01	1.146E-01	-1.419E+06	-4.013E+04	0.000E+00	0.000E+00
215	1	0.00	2	-9.445E+03	4.337E+04	4.095E+01	1.130E-01	1.419E+06	-4.094E+04	0.000E+00	0.000E+00
215	2	45.25	1	9.350E+03	4.259E+04	-2.495E+02	1.146E-01	-1.412E+06	1.905E+06	-1.214E-03	-1.179E-03
215	2	45.25	2	-9.444E+03	4.260E+04	2.446E+02	1.130E-01	1.412E+06	1.904E+06	-1.214E-03	1.179E-03
215	3	90.50	1	9.351E+03	4.182E+04	-4.532E+02	1.146E-01	-1.396E+06	3.815E+06	-1.924E-03	-1.566E-03
215	3	90.50	2	-9.443E+03	4.183E+04	4.482E+02	1.130E-01	1.397E+06	3.814E+06	-1.924E-03	1.566E-03
215	4	135.75	1	9.352E+03	4.105E+04	-6.568E+02	1.146E-01	-1.371E+06	5.690E+06	-1.670E-03	-1.168E-03
215	4	135.75	2	-9.443E+03	4.106E+04	6.518E+02	1.130E-01	1.372E+06	5.689E+06	-1.670E-03	1.168E-03
215	5	181.00	1	9.353E+03	4.028E+04	-8.604E+02	1.146E-01	-1.337E+06	7.530E+06	-3.518E-11	1.465E-10
215	5	181.00	2	-9.442E+03	4.029E+04	8.554E+02	1.130E-01	1.338E+06	7.530E+06	-3.519E-11	-1.465E-10
216	1	0.00	1	-9.445E+03	4.337E+04	-2.646E+02	-1.130E-01	-1.431E+06	-4.094E+04	0.000E+00	0.000E+00
216	1	0.00	2	9.349E+03	4.337E+04	2.696E+02	-1.146E-01	1.431E+06	-4.013E+04	0.000E+00	0.000E+00
216	2	45.25	1	-9.444E+03	4.260E+04	-2.646E+02	-1.130E-01	-1.419E+06	1.904E+06	-1.214E-03	-1.170E-03
216	2	45.25	2	9.350E+03	4.259E+04	2.696E+02	-1.146E-01	1.419E+06	1.905E+06	-1.214E-03	1.170E-03
216	3	90.50	1	-9.443E+03	4.183E+04	-2.646E+02	-1.130E-01	-1.407E+06	3.814E+06	-1.924E-03	-1.556E-03
216	3	90.50	2	9.351E+03	4.182E+04	2.696E+02	-1.146E-01	1.407E+06	3.815E+06	-1.924E-03	1.556E-03
216	4	135.75	1	-9.443E+03	4.106E+04	-2.646E+02	-1.130E-01	-1.395E+06	5.689E+06	-1.670E-03	-1.164E-03
216	4	135.75	2	9.352E+03	4.105E+04	2.696E+02	-1.146E-01	1.394E+06	5.690E+06	-1.670E-03	1.164E-03
216	5	181.00	1	-9.442E+03	4.029E+04	-2.646E+02	-1.130E-01	-1.383E+06	7.530E+06	-3.519E-11	-9.552E-11
216	5	181.00	2	9.353E+03	4.028E+04	2.696E+02	-1.146E-01	1.382E+06	7.530E+06	-3.518E-11	9.554E-11
217	1	0.00	1	1.237E+04	3.291E+04	-4.490E+01	1.946E-02	-1.794E+06	7.530E+06	0.000E+00	0.000E+00
217	1	0.00	2	-1.243E+04	3.291E+04	4.644E+01	1.828E-02	1.795E+06	7.529E+06	0.000E+00	0.000E+00
217	2	127.25	1	1.237E+04	3.074E+04	-6.175E+02	1.946E-02	-1.752E+06	1.158E+07	-4.061E-02	-1.101E-02
217	2	127.25	2	-1.243E+04	3.074E+04	6.191E+02	1.828E-02	1.752E+06	1.158E+07	-4.061E-02	1.102E-02
217	3	254.50	1	1.237E+04	2.857E+04	-1.190E+03	1.946E-02	-1.637E+06	1.535E+07	-5.885E-02	-1.430E-02
217	3	254.50	2	-1.243E+04	2.857E+04	1.192E+03	1.828E-02	1.637E+06	1.535E+07	-5.885E-02	1.430E-02
217	4	381.75	1	1.238E+04	2.641E+04	-1.763E+03	1.946E-02	-1.449E+06	1.885E+07	-4.754E-02	-1.035E-02
217	4	381.75	2	-1.243E+04	2.641E+04	1.764E+03	1.828E-02	1.449E+06	1.885E+07	-4.754E-02	1.035E-02
217	5	509.00	1	1.238E+04	2.424E+04	-2.335E+03	1.946E-02	-1.188E+06	2.207E+07	-6.408E-10	9.868E-10
217	5	509.00	2	-1.243E+04	2.424E+04	2.337E+03	1.828E-02	1.188E+06	2.207E+07	-6.405E-10	-9.874E-10
218	1	0.00	1	-1.243E+04	3.291E+04	-1.080E+03	-1.828E-02	-1.840E+06	7.529E+06	0.000E+00	0.000E+00
218	1	0.00	2	1.237E+04	3.291E+04	1.079E+03	-1.946E-02	1.840E+06	7.530E+06	0.000E+00	0.000E+00
218	2	127.25	1	-1.243E+04	3.074E+04	-1.080E+03	-1.828E-02	-1.703E+06	1.158E+07	-4.061E-02	-1.057E-02
218	2	127.25	2	1.237E+04	3.074E+04	1.079E+03	-1.946E-02	1.702E+06	1.158E+07	-4.061E-02	1.057E-02
218	3	254.50	1	-1.243E+04	2.857E+04	-1.080E+03	-1.828E-02	-1.566E+06	1.535E+07	-5.885E-02	-1.369E-02
218	3	254.50	2	1.237E+04	2.857E+04	1.079E+03	-1.946E-02	1.565E+06	1.535E+07	-5.885E-02	1.369E-02
218	4	381.75	1	-1.243E+04	2.641E+04	-1.080E+03	-1.828E-02	-1.428E+06	1.885E+07	-4.754E-02	-9.970E-03
218	4	381.75	2	1.238E+04	2.641E+04	1.079E+03	-1.946E-02	1.428E+06	1.885E+07	-4.754E-02	9.969E-03
218	5	509.00	1	-1.243E+04	2.424E+04	-1.080E+03	-1.828E-02	-1.291E+06	2.207E+07	-6.405E-10	-8.135E-10
218	5	509.00	2	1.238E+04	2.424E+04	1.079E+03	-1.946E-02	1.291E+06	2.207E+07	-6.408E-10	8.141E-10
219	1	0.00	1	1.618E+04	1.464E+04	-1.127E+03	1.001E-02	-1.765E+06	2.207E+07	0.000E+00	0.000E+00
219	1	0.00	2	-1.621E+04	1.464E+04	1.131E+03	8.826E-03	1.765E+06	2.207E+07	0.000E+00	0.000E+00
219	2	127.50	1	1.618E+04	1.247E+04	-1.700E+03	1.001E-02	-1.585E+06	2.380E+07	-7.139E-02	-9.351E-03
219	2	127.50	2	-1.621E+04	1.247E+04	1.705E+03	8.826E-03	1.584E+06	2.380E+07	-7.139E-02	9.344E-03
219	3	255.00	1	1.618E+04	9.697E+03	-2.274E+03	1.001E-02	-1.332E+06	2.525E+07	-9.693E-02	-1.167E-02

219	3	255.00	2	-1.620E+04	9.699E+03	2.279E+03	8.826E-03	1.331E+06	2.525E+07	-9.694E-02	1.166E-02
219	4	382.50	1	1.619E+04	7.526E+03	-2.848E+03	1.001E-02	-1.005E+06	2.635E+07	-7.382E-02	-8.078E-03
219	4	382.50	2	-1.620E+04	7.528E+03	2.852E+03	8.826E-03	1.003E+06	2.635E+07	-7.382E-02	8.068E-03
219	5	510.00	1	1.619E+04	5.355E+03	-3.422E+03	1.001E-02	-6.056E+05	2.717E+07	-1.855E-09	2.079E-09
219	5	510.00	2	-1.620E+04	5.357E+03	3.426E+03	8.826E-03	6.032E+05	2.717E+07	-1.855E-09	-2.079E-09
220	1	0.00	1	-1.621E+04	1.464E+04	-2.289E+03	-8.826E-03	-1.868E+06	2.207E+07	0.000E+00	0.000E+00
220	1	0.00	2	1.618E+04	1.464E+04	2.284E+03	-1.001E-02	1.868E+06	2.207E+07	0.000E+00	0.000E+00
220	2	127.50	1	-1.621E+04	1.247E+04	-2.289E+03	-8.826E-03	-1.576E+06	2.380E+07	-7.139E-02	-9.098E-03
220	2	127.50	2	1.618E+04	1.247E+04	2.284E+03	-1.001E-02	1.577E+06	2.380E+07	-7.139E-02	9.105E-03
220	3	255.00	1	-1.620E+04	9.699E+03	-2.289E+03	-8.826E-03	-1.284E+06	2.525E+07	-9.694E-02	-1.128E-02
220	3	255.00	2	1.618E+04	9.697E+03	2.284E+03	-1.001E-02	1.285E+06	2.525E+07	-9.693E-02	1.129E-02
220	4	382.50	1	-1.620E+04	7.528E+03	-2.289E+03	-8.826E-03	-9.922E+05	2.635E+07	-7.382E-02	-7.817E-03
220	4	382.50	2	1.619E+04	7.526E+03	2.284E+03	-1.001E-02	9.941E+05	2.635E+07	-7.382E-02	7.826E-03
220	5	510.00	1	-1.620E+04	5.357E+03	-2.289E+03	-8.826E-03	-7.004E+05	2.717E+07	-1.855E-09	2.125E-09
220	5	510.00	2	1.619E+04	5.355E+03	2.284E+03	-1.001E-02	7.028E+05	2.717E+07	-1.855E-09	-2.125E-09
221	1	0.00	1	2.067E+04	-5.357E+03	-2.330E+03	-8.862E-03	-1.286E+06	2.717E+07	0.000E+00	0.000E+00
221	1	0.00	2	-2.066E+04	-5.355E+03	2.245E+03	-9.971E-03	1.283E+06	2.717E+07	0.000E+00	0.000E+00
221	2	127.50	1	2.067E+04	-7.528E+03	-2.904E+03	-8.862E-03	-9.524E+05	2.635E+07	-7.382E-02	-4.510E-03
221	2	127.50	2	-2.066E+04	-7.526E+03	2.818E+03	-9.971E-03	9.607E+05	2.635E+07	-7.383E-02	4.612E-03
221	3	255.00	1	2.067E+04	-1.030E+04	-3.477E+03	-8.862E-03	-5.456E+05	2.525E+07	-9.693E-02	-4.768E-03
221	3	255.00	2	-2.065E+04	-1.030E+04	3.392E+03	-9.971E-03	5.647E+05	2.525E+07	-9.694E-02	4.936E-03
221	4	382.50	1	2.068E+04	-1.247E+04	-4.051E+03	-8.862E-03	-6.570E+04	2.380E+07	-7.138E-02	-2.563E-03
221	4	382.50	2	-2.065E+04	-1.247E+04	3.966E+03	-9.971E-03	9.568E+04	2.380E+07	-7.138E-02	2.713E-03
221	5	510.00	1	2.068E+04	-1.464E+04	-4.625E+03	-8.862E-03	4.874E+05	2.207E+07	3.125E-09	1.187E-09
221	5	510.00	2	-2.065E+04	-1.464E+04	4.540E+03	-9.971E-03	-4.465E+05	2.207E+07	3.125E-09	-1.185E-09
222	1	0.00	1	-2.066E+04	-5.355E+03	-3.381E+03	9.971E-03	-1.381E+06	2.717E+07	0.000E+00	0.000E+00
222	1	0.00	2	2.067E+04	-5.357E+03	3.466E+03	8.862E-03	1.383E+06	2.717E+07	0.000E+00	0.000E+00
222	2	127.50	1	-2.066E+04	-7.526E+03	-3.381E+03	9.971E-03	-9.496E+05	2.635E+07	-7.383E-02	-4.362E-03
222	2	127.50	2	2.067E+04	-7.528E+03	3.466E+03	8.862E-03	9.413E+05	2.635E+07	-7.382E-02	4.260E-03
222	3	255.00	1	-2.065E+04	-1.030E+04	-3.381E+03	9.971E-03	-5.185E+05	2.525E+07	-9.694E-02	-4.554E-03
222	3	255.00	2	2.067E+04	-1.030E+04	3.466E+03	8.862E-03	4.994E+05	2.525E+07	-9.693E-02	4.386E-03
222	4	382.50	1	-2.065E+04	-1.247E+04	-3.381E+03	9.971E-03	-8.747E+04	2.380E+07	-7.138E-02	-2.469E-03
222	4	382.50	2	2.068E+04	-1.247E+04	3.466E+03	8.862E-03	5.750E+04	2.380E+07	-7.138E-02	2.319E-03
222	5	510.00	1	-2.065E+04	-1.464E+04	-3.381E+03	9.971E-03	3.436E+05	2.207E+07	3.125E-09	-5.351E-10
222	5	510.00	2	2.068E+04	-1.464E+04	3.466E+03	8.862E-03	-3.844E+05	2.207E+07	3.125E-09	5.335E-10
223	1	0.00	1	2.551E+04	-2.424E+04	-3.017E+03	-1.837E-02	-2.463E+05	2.207E+07	0.000E+00	0.000E+00
223	1	0.00	2	-2.546E+04	-2.424E+04	3.722E+03	-1.937E-02	2.874E+05	2.207E+07	0.000E+00	0.000E+00
223	2	127.25	1	2.551E+04	-2.641E+04	-3.590E+03	-1.837E-02	1.740E+05	1.885E+07	-4.753E-02	3.276E-03
223	2	127.25	2	-2.546E+04	-2.641E+04	4.295E+03	-1.937E-02	-2.226E+05	1.885E+07	-4.754E-02	-3.987E-03
223	3	254.50	1	2.551E+04	-2.857E+04	-4.162E+03	-1.837E-02	6.672E+05	1.535E+07	-5.885E-02	5.859E-03
223	3	254.50	2	-2.546E+04	-2.857E+04	4.867E+03	-1.937E-02	-8.056E+05	1.535E+07	-5.886E-02	-7.070E-03
223	4	381.75	1	2.552E+04	-3.074E+04	-4.735E+03	-1.837E-02	1.233E+06	1.158E+07	-4.061E-02	5.592E-03
223	4	381.75	2	-2.545E+04	-3.074E+04	5.440E+03	-1.937E-02	-1.461E+06	1.158E+07	-4.061E-02	-6.697E-03
223	5	509.00	1	2.552E+04	-3.291E+04	-5.307E+03	-1.837E-02	1.872E+06	7.529E+06	-9.702E-09	6.736E-11
223	5	509.00	2	-2.545E+04	-3.291E+04	6.013E+03	-1.937E-02	-2.190E+06	7.531E+06	-9.703E-09	-7.319E-11
224	1	0.00	1	-2.546E+04	-2.424E+04	-4.989E+03	1.937E-02	-3.905E+05	2.207E+07	0.000E+00	0.000E+00
224	1	0.00	2	2.551E+04	-2.424E+04	4.283E+03	1.837E-02	3.493E+05	2.207E+07	0.000E+00	0.000E+00
224	2	127.25	1	-2.546E+04	-2.641E+04	-4.989E+03	1.937E-02	2.443E+05	1.885E+07	-4.754E-02	4.380E-03
224	2	127.25	2	2.551E+04	-2.641E+04	4.283E+03	1.837E-02	-1.957E+05	1.885E+07	-4.753E-02	-3.668E-03
224	3	254.50	1	-2.546E+04	-2.857E+04	-4.989E+03	1.937E-02	8.791E+05	1.535E+07	-5.886E-02	7.690E-03
224	3	254.50	2	2.551E+04	-2.857E+04	4.283E+03	1.837E-02	-7.408E+05	1.535E+07	-5.885E-02	-6.480E-03
224	4	381.75	1	-2.545E+04	-3.074E+04	-4.989E+03	1.937E-02	1.514E+06	1.158E+07	-4.061E-02	7.156E-03
224	4	381.75	2	2.552E+04	-3.074E+04	4.283E+03	1.837E-02	-1.286E+06	1.158E+07	-4.061E-02	-6.052E-03
224	5	509.00	1	-2.545E+04	-3.291E+04	-4.989E+03	1.937E-02	2.149E+06	7.531E+06	-9.703E-09	2.350E-10
224	5	509.00	2	2.552E+04	-3.291E+04	4.283E+03	1.837E-02	-1.831E+06	7.529E+06	-9.702E-09	-2.292E-10
225	1	0.00	1	3.014E+04	-4.028E+04	-5.791E+03	-1.137E-01	1.169E+06	7.529E+06	0.000E+00	0.000E+00
225	1	0.00	2	-3.005E+04	-4.029E+04	3.939E+03	-1.139E-01	-1.490E+06	7.531E+06	0.000E+00	0.000E+00
225	2	45.25	1	3.014E+04	-4.105E+04	-5.995E+03	-1.137E-01	1.436E+06	5.689E+06	-1.670E-03	1.327E-03
225	2	45.25	2	-3.005E+04	-4.106E+04	4.142E+03	-1.139E-01	-1.673E+06	5.690E+06	-1.670E-03	-1.477E-03
225	3	90.50	1	3.014E+04	-4.182E+04	-6.199E+03	-1.137E-01	1.712E+06	3.814E+06	-1.924E-03	1.872E-03
225	3	90.50	2	-3.005E+04	-4.183E+04	4.346E+03	-1.139E-01	-1.865E+06	3.815E+06	-1.924E-03	-2.042E-03
225	4	135.75	1	3.014E+04	-4.259E+04	-6.402E+03	-1.137E-01	1.997E+06	1.904E+06	-1.214E-03	1.482E-03

225	4	135.75	2	-3.005E+04	-4.260E+04	4.550E+03	-1.139E-01	-2.066E+06	1.905E+06	-1.214E-03	-1.586E-03
225	5	181.00	1	3.014E+04	-4.336E+04	-6.606E+03	-1.137E-01	2.291E+06	-4.088E+04	-6.270E-10	3.221E-10
225	5	181.00	2	-3.005E+04	-4.337E+04	4.753E+03	-1.139E-01	-2.276E+06	-4.018E+04	-6.271E-10	-2.829E-10
226	1	0.00	1	-3.005E+04	-4.029E+04	-4.505E+03	1.139E-01	1.449E+06	7.531E+06	0.000E+00	0.000E+00
226	1	0.00	2	3.014E+04	-4.028E+04	6.357E+03	1.137E-01	-1.128E+06	7.529E+06	0.000E+00	0.000E+00
226	2	45.25	1	-3.005E+04	-4.106E+04	-4.505E+03	1.139E-01	1.653E+06	5.690E+06	-1.670E-03	1.484E-03
226	2	45.25	2	3.014E+04	-4.105E+04	6.357E+03	1.137E-01	-1.416E+06	5.689E+06	-1.670E-03	-1.334E-03
226	3	90.50	1	-3.005E+04	-4.183E+04	-4.505E+03	1.139E-01	1.857E+06	3.815E+06	-1.924E-03	2.054E-03
226	3	90.50	2	3.014E+04	-4.182E+04	6.357E+03	1.137E-01	-1.703E+06	3.814E+06	-1.924E-03	-1.884E-03
226	4	135.75	1	-3.005E+04	-4.260E+04	-4.505E+03	1.139E-01	2.060E+06	1.905E+06	-1.214E-03	1.597E-03
226	4	135.75	2	3.014E+04	-4.259E+04	6.357E+03	1.137E-01	-1.991E+06	1.904E+06	-1.214E-03	-1.493E-03
226	5	181.00	1	-3.005E+04	-4.337E+04	-4.505E+03	1.139E-01	2.264E+06	-4.018E+04	-6.271E-10	2.242E-10
226	5	181.00	2	3.014E+04	-4.336E+04	6.357E+03	1.137E-01	-2.279E+06	-4.088E+04	-6.270E-10	-2.634E-10
227	1	0.00	1	-1.703E+00	1.175E+03	3.105E+02	8.025E-11	1.071E+04	-4.053E+04	0.000E+00	0.000E+00
227	1	0.00	2	-1.703E+00	1.175E+03	-3.105E+02	-8.266E-11	-1.071E+04	-4.053E+04	0.000E+00	0.000E+00
227	2	17.25	1	-1.277E+00	8.812E+02	2.329E+02	8.025E-11	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06
227	2	17.25	2	-1.277E+00	8.812E+02	-2.329E+02	-8.266E-11	-6.026E+03	-2.280E+04	-9.263E-06	2.166E-06
227	3	34.50	1	-8.514E-01	5.874E+02	1.553E+02	8.025E-11	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
227	3	34.50	2	-8.514E-01	5.874E+02	-1.553E+02	-8.266E-11	-2.678E+03	-1.013E+04	-1.262E-05	3.050E-06
227	4	51.75	1	-4.257E-01	2.937E+02	7.763E+01	8.025E-11	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06
227	4	51.75	2	-4.257E-01	2.937E+02	-7.763E+01	-8.266E-11	-6.695E+02	-2.533E+03	-9.618E-06	2.382E-06
227	5	69.00	1	-4.393E-09	1.482E-09	-3.632E-09	8.025E-11	2.430E-08	-6.276E-08	1.621E-13	-2.433E-13
227	5	69.00	2	4.301E-09	-9.624E-10	3.924E-09	-8.266E-11	-2.918E-08	-9.733E-08	1.621E-13	2.433E-13
228	1	0.00	1	-1.703E+00	1.175E+03	-2.692E-10	-1.631E-10	3.497E-08	-4.053E+04	0.000E+00	0.000E+00
228	1	0.00	2	-1.703E+00	1.175E+03	3.419E-10	1.655E-10	-3.581E-08	-4.053E+04	0.000E+00	0.000E+00
228	2	17.25	1	-1.277E+00	8.812E+02	-2.692E-10	-1.631E-10	3.962E-08	-2.280E+04	-9.263E-06	5.176E-18
228	2	17.25	2	-1.277E+00	8.812E+02	3.419E-10	1.655E-10	-4.171E-08	-2.280E+04	-9.263E-06	-5.476E-18
228	3	34.50	1	-8.514E-01	5.874E+02	-2.692E-10	-1.631E-10	4.426E-08	-1.013E+04	-1.262E-05	7.184E-18
228	3	34.50	2	-8.514E-01	5.874E+02	3.419E-10	1.655E-10	-4.761E-08	-1.013E+04	-1.262E-05	-7.584E-18
228	4	51.75	1	-4.257E-01	2.937E+02	-2.692E-10	-1.631E-10	4.891E-08	-2.533E+03	-9.618E-06	5.599E-18
228	4	51.75	2	-4.257E-01	2.937E+02	3.419E-10	1.655E-10	-5.350E-08	-2.533E+03	-9.618E-06	-5.900E-18
228	5	69.00	1	-2.247E-09	-2.629E-09	-2.692E-10	-1.631E-10	5.355E-08	-3.721E-08	1.621E-13	-1.794E-25
228	5	69.00	2	2.391E-09	1.970E-09	3.419E-10	1.655E-10	-5.940E-08	7.519E-08	1.621E-13	1.585E-25
229	1	0.00	1	1.131E-09	-6.529E-10	7.759E-12	-4.829E-11	-5.598E-08	8.852E-08	0.000E+00	0.000E+00
229	1	0.00	2	-1.132E-09	6.859E-10	-1.049E-11	4.859E-11	5.608E-08	6.244E-08	0.000E+00	0.000E+00
229	2	17.25	1	4.257E-01	-2.937E+02	-7.763E+01	-4.829E-11	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06
229	2	17.25	2	4.257E-01	-2.937E+02	7.763E+01	4.859E-11	-6.695E+02	-2.533E+03	-9.618E-06	2.382E-06
229	3	34.50	1	8.514E-01	-5.874E+02	-1.553E+02	-4.829E-11	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
229	3	34.50	2	8.514E-01	-5.874E+02	1.553E+02	4.859E-11	-2.678E+03	-1.013E+04	-1.262E-05	3.050E-06
229	4	51.75	1	1.277E+00	-8.812E+02	-2.329E+02	-4.829E-11	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06
229	4	51.75	2	1.277E+00	-8.812E+02	2.329E+02	4.859E-11	-6.026E+03	-2.280E+04	-9.263E-06	2.166E-06
229	5	69.00	1	1.703E+00	-1.175E+03	-3.105E+02	-4.829E-11	1.071E+04	-4.053E+04	-1.369E-14	-2.289E-15
229	5	69.00	2	1.703E+00	-1.175E+03	3.105E+02	4.859E-11	-1.071E+04	-4.053E+04	-1.369E-14	2.289E-15
230	1	0.00	1	5.512E-10	1.948E-10	1.394E-09	-4.878E-11	-5.962E-08	2.705E-08	0.000E+00	0.000E+00
230	1	0.00	2	-5.547E-10	9.289E-11	-1.400E-09	4.848E-11	5.958E-08	5.313E-08	0.000E+00	0.000E+00
230	2	17.25	1	4.257E-01	-2.937E+02	1.394E-09	-4.878E-11	-8.367E-08	-2.533E+03	-9.618E-06	-1.203E-17
230	2	17.25	2	4.257E-01	-2.937E+02	-1.400E-09	4.848E-11	8.374E-08	-2.533E+03	-9.618E-06	1.203E-17
230	3	34.50	1	8.514E-01	-5.874E+02	1.394E-09	-4.878E-11	-1.077E-07	-1.013E+04	-1.262E-05	-1.733E-17
230	3	34.50	2	8.514E-01	-5.874E+02	-1.400E-09	4.848E-11	1.079E-07	-1.013E+04	-1.262E-05	1.733E-17
230	4	51.75	1	1.277E+00	-8.812E+02	1.394E-09	-4.878E-11	-1.318E-07	-2.280E+04	-9.263E-06	-1.397E-17
230	4	51.75	2	1.277E+00	-8.812E+02	-1.400E-09	4.848E-11	1.320E-07	-2.280E+04	-9.263E-06	1.397E-17
230	5	69.00	1	1.703E+00	-1.175E+03	1.394E-09	-4.878E-11	-1.558E-07	-4.053E+04	-1.370E-14	1.431E-24
230	5	69.00	2	1.703E+00	-1.175E+03	-1.400E-09	4.848E-11	1.562E-07	-4.053E+04	-1.370E-14	-1.431E-24
231	1	0.00	1	3.005E+04	4.337E+04	6.620E+03	1.123E-01	2.291E+06	-4.138E+04	0.000E+00	0.000E+00
231	1	0.00	2	-3.014E+04	4.336E+04	-4.739E+03	1.153E-01	-2.276E+06	-3.969E+04	0.000E+00	0.000E+00
231	2	45.25	1	3.005E+04	4.260E+04	6.417E+03	1.123E-01	1.996E+06	1.904E+06	-1.214E-03	1.481E-03
231	2	45.25	2	-3.014E+04	4.259E+04	-4.535E+03	1.153E-01	-2.067E+06	1.905E+06	-1.214E-03	-1.587E-03
231	3	90.50	1	3.005E+04	4.183E+04	6.213E+03	1.123E-01	1.710E+06	3.814E+06	-1.924E-03	1.871E-03
231	3	90.50	2	-3.014E+04	4.182E+04	-4.331E+03	1.153E-01	-1.866E+06	3.815E+06	-1.924E-03	-2.043E-03
231	4	135.75	1	3.005E+04	4.106E+04	6.010E+03	1.123E-01	1.434E+06	5.690E+06	-1.670E-03	1.326E-03
231	4	135.75	2	-3.014E+04	4.105E+04	-4.128E+03	1.153E-01	-1.675E+06	5.690E+06	-1.670E-03	-1.479E-03
231	5	181.00	1	3.005E+04	4.029E+04	5.806E+03	1.123E-01	1.166E+06	7.530E+06	-1.133E-10	2.985E-10

231	5	181.00	2	-3.014E+04	4.028E+04	-3.924E+03	1.153E-01	-1.492E+06	7.530E+06	-1.133E-10	-3.007E-10
232	1	0.00	1	-3.014E+04	4.336E+04	4.490E+03	-1.153E-01	2.264E+06	-3.969E+04	0.000E+00	0.000E+00
232	1	0.00	2	3.005E+04	4.337E+04	-6.372E+03	-1.123E-01	-2.279E+06	-4.138E+04	0.000E+00	0.000E+00
232	2	45.25	1	-3.014E+04	4.259E+04	4.490E+03	-1.153E-01	2.061E+06	1.905E+06	-1.214E-03	1.598E-03
232	2	45.25	2	3.005E+04	4.260E+04	-6.372E+03	-1.123E-01	-1.990E+06	1.904E+06	-1.214E-03	-1.492E-03
232	3	90.50	1	-3.014E+04	4.182E+04	4.490E+03	-1.153E-01	1.858E+06	3.815E+06	-1.924E-03	2.055E-03
232	3	90.50	2	3.005E+04	4.183E+04	-6.372E+03	-1.123E-01	-1.702E+06	3.814E+06	-1.924E-03	-1.883E-03
232	4	135.75	1	-3.014E+04	4.105E+04	4.490E+03	-1.153E-01	1.655E+06	5.690E+06	-1.670E-03	1.485E-03
232	4	135.75	2	3.005E+04	4.106E+04	-6.372E+03	-1.123E-01	-1.414E+06	5.690E+06	-1.670E-03	-1.332E-03
232	5	181.00	1	-3.014E+04	4.028E+04	4.490E+03	-1.153E-01	1.452E+06	7.530E+06	-1.134E-10	1.127E-10
232	5	181.00	2	3.005E+04	4.029E+04	-6.372E+03	-1.123E-01	-1.125E+06	7.530E+06	-1.133E-10	-1.105E-10
233	1	0.00	1	2.545E+04	3.291E+04	5.301E+03	1.773E-02	1.870E+06	7.530E+06	0.000E+00	0.000E+00
233	1	0.00	2	-2.552E+04	3.291E+04	-6.019E+03	2.000E-02	-2.193E+06	7.530E+06	0.000E+00	0.000E+00
233	2	127.25	1	2.545E+04	3.074E+04	4.729E+03	1.773E-02	1.231E+06	1.158E+07	-4.061E-02	5.583E-03
233	2	127.25	2	-2.552E+04	3.074E+04	-5.446E+03	2.000E-02	-1.463E+06	1.158E+07	-4.061E-02	-6.706E-03
233	3	254.50	1	2.546E+04	2.857E+04	4.156E+03	1.773E-02	6.661E+05	1.535E+07	-5.885E-02	5.849E-03
233	3	254.50	2	-2.551E+04	2.857E+04	-4.874E+03	2.000E-02	-8.067E+05	1.535E+07	-5.885E-02	-7.080E-03
233	4	381.75	1	2.546E+04	2.641E+04	3.583E+03	1.773E-02	1.737E+05	1.885E+07	-4.754E-02	3.270E-03
233	4	381.75	2	-2.551E+04	2.641E+04	-4.301E+03	2.000E-02	-2.230E+05	1.885E+07	-4.754E-02	-3.993E-03
233	5	509.00	1	2.546E+04	2.424E+04	3.011E+03	1.773E-02	-2.459E+05	2.207E+07	-1.146E-09	-1.411E-09
233	5	509.00	2	-2.551E+04	2.424E+04	-3.728E+03	2.000E-02	2.879E+05	2.207E+07	-1.146E-09	1.269E-09
234	1	0.00	1	-2.552E+04	3.291E+04	4.995E+03	-2.001E-02	2.151E+06	7.530E+06	0.000E+00	0.000E+00
234	1	0.00	2	2.545E+04	3.291E+04	-4.277E+03	-1.773E-02	-1.828E+06	7.530E+06	0.000E+00	0.000E+00
234	2	127.25	1	-2.552E+04	3.074E+04	4.995E+03	-2.001E-02	1.516E+06	1.158E+07	-4.061E-02	7.165E-03
234	2	127.25	2	2.545E+04	3.074E+04	-4.277E+03	-1.773E-02	-1.284E+06	1.158E+07	-4.061E-02	-6.043E-03
234	3	254.50	1	-2.551E+04	2.857E+04	4.995E+03	-2.001E-02	8.803E+05	1.535E+07	-5.885E-02	7.700E-03
234	3	254.50	2	2.546E+04	2.857E+04	-4.277E+03	-1.773E-02	-7.396E+05	1.535E+07	-5.885E-02	-6.470E-03
234	4	381.75	1	-2.551E+04	2.641E+04	4.995E+03	-2.001E-02	2.447E+05	1.885E+07	-4.754E-02	4.385E-03
234	4	381.75	2	2.546E+04	2.641E+04	-4.277E+03	-1.773E-02	-1.953E+05	1.885E+07	-4.754E-02	-3.662E-03
234	5	509.00	1	-2.551E+04	2.424E+04	4.995E+03	-2.001E-02	-3.909E+05	2.207E+07	-1.146E-09	1.588E-09
234	5	509.00	2	2.546E+04	2.424E+04	-4.277E+03	-1.773E-02	3.489E+05	2.207E+07	-1.146E-09	-1.446E-09
235	1	0.00	1	2.065E+04	1.464E+04	4.625E+03	8.311E-03	4.877E+05	2.207E+07	0.000E+00	0.000E+00
235	1	0.00	2	-2.068E+04	1.464E+04	-4.539E+03	1.052E-02	-4.463E+05	2.207E+07	0.000E+00	0.000E+00
235	2	127.50	1	2.065E+04	1.247E+04	4.052E+03	8.311E-03	-6.548E+04	2.380E+07	-7.139E-02	-2.562E-03
235	2	127.50	2	-2.068E+04	1.247E+04	-3.965E+03	1.052E-02	9.590E+04	2.380E+07	-7.139E-02	2.714E-03
235	3	255.00	1	2.065E+04	9.699E+03	3.478E+03	8.311E-03	-5.455E+05	2.525E+07	-9.694E-02	-4.767E-03
235	3	255.00	2	-2.067E+04	9.697E+03	-3.392E+03	1.052E-02	5.649E+05	2.525E+07	-9.693E-02	4.938E-03
235	4	382.50	1	2.066E+04	7.527E+03	2.904E+03	8.311E-03	-9.523E+05	2.635E+07	-7.382E-02	-4.509E-03
235	4	382.50	2	-2.067E+04	7.526E+03	-2.818E+03	1.052E-02	9.608E+05	2.635E+07	-7.382E-02	4.613E-03
235	5	510.00	1	2.066E+04	5.356E+03	2.330E+03	8.311E-03	-1.286E+06	2.717E+07	-1.679E-09	2.060E-10
235	5	510.00	2	-2.067E+04	5.355E+03	-2.244E+03	1.052E-02	1.283E+06	2.717E+07	-1.679E-09	-2.090E-10
236	1	0.00	1	-2.068E+04	1.464E+04	3.380E+03	-1.052E-02	3.433E+05	2.207E+07	0.000E+00	0.000E+00
236	1	0.00	2	2.065E+04	1.464E+04	-3.466E+03	-8.311E-03	-3.847E+05	2.207E+07	0.000E+00	0.000E+00
236	2	127.50	1	-2.068E+04	1.247E+04	3.380E+03	-1.052E-02	-8.770E+04	2.380E+07	-7.139E-02	-2.470E-03
236	2	127.50	2	2.065E+04	1.247E+04	-3.466E+03	-8.311E-03	5.727E+04	2.380E+07	-7.139E-02	2.318E-03
236	3	255.00	1	-2.067E+04	9.697E+03	3.380E+03	-1.052E-02	-5.187E+05	2.525E+07	-9.693E-02	-4.555E-03
236	3	255.00	2	2.065E+04	9.699E+03	-3.466E+03	-8.311E-03	4.992E+05	2.525E+07	-9.694E-02	4.384E-03
236	4	382.50	1	-2.067E+04	7.526E+03	3.380E+03	-1.052E-02	-9.497E+05	2.635E+07	-7.382E-02	-4.363E-03
236	4	382.50	2	2.066E+04	7.527E+03	-3.466E+03	-8.311E-03	9.412E+05	2.635E+07	-7.382E-02	4.259E-03
236	5	510.00	1	-2.067E+04	5.355E+03	3.380E+03	-1.052E-02	-1.381E+06	2.717E+07	-1.679E-09	-6.634E-11
236	5	510.00	2	2.066E+04	5.356E+03	-3.466E+03	-8.311E-03	1.383E+06	2.717E+07	-1.679E-09	6.935E-11
237	1	0.00	1	1.620E+04	-5.355E+03	3.421E+03	-1.049E-02	-6.057E+05	2.717E+07	0.000E+00	0.000E+00
237	1	0.00	2	-1.619E+04	-5.356E+03	-3.426E+03	-8.347E-03	6.031E+05	2.717E+07	0.000E+00	0.000E+00
237	2	127.50	1	1.620E+04	-7.526E+03	2.847E+03	-1.049E-02	-1.005E+06	2.635E+07	-7.383E-02	-8.078E-03
237	2	127.50	2	-1.619E+04	-7.527E+03	-2.853E+03	-8.347E-03	1.003E+06	2.635E+07	-7.382E-02	8.068E-03
237	3	255.00	1	1.620E+04	-1.030E+04	2.274E+03	-1.049E-02	-1.332E+06	2.525E+07	-9.694E-02	-1.167E-02
237	3	255.00	2	-1.618E+04	-1.030E+04	-2.279E+03	-8.347E-03	1.331E+06	2.525E+07	-9.693E-02	1.166E-02
237	4	382.50	1	1.621E+04	-1.247E+04	1.700E+03	-1.049E-02	-1.585E+06	2.380E+07	-7.138E-02	-9.351E-03
237	4	382.50	2	-1.618E+04	-1.247E+04	-1.705E+03	-8.347E-03	1.585E+06	2.380E+07	-7.138E-02	9.344E-03
237	5	510.00	1	1.621E+04	-1.464E+04	1.126E+03	-1.049E-02	-1.765E+06	2.207E+07	3.041E-09	2.789E-09
237	5	510.00	2	-1.618E+04	-1.464E+04	-1.131E+03	-8.347E-03	1.765E+06	2.207E+07	3.042E-09	-2.788E-09
238	1	0.00	1	-1.619E+04	-5.356E+03	2.289E+03	8.347E-03	-7.003E+05	2.717E+07	0.000E+00	0.000E+00

238	1	0.00	2	1.620E+04	-5.355E+03	-2.284E+03	1.049E-02	7.029E+05	2.717E+07	0.000E+00	0.000E+00
238	2	127.50	1	-1.619E+04	-7.527E+03	2.289E+03	8.347E-03	-9.922E+05	2.635E+07	-7.382E-02	-7.817E-03
238	2	127.50	2	1.620E+04	-7.526E+03	-2.284E+03	1.049E-02	9.941E+05	2.635E+07	-7.383E-02	7.826E-03
238	3	255.00	1	-1.618E+04	-1.030E+04	2.289E+03	8.347E-03	-1.284E+06	2.525E+07	-9.693E-02	-1.128E-02
238	3	255.00	2	1.620E+04	-1.030E+04	-2.284E+03	1.049E-02	1.285E+06	2.525E+07	-9.694E-02	1.129E-02
238	4	382.50	1	-1.618E+04	-1.247E+04	2.289E+03	8.347E-03	-1.576E+06	2.380E+07	-7.138E-02	-9.098E-03
238	4	382.50	2	1.621E+04	-1.247E+04	-2.284E+03	1.049E-02	1.577E+06	2.380E+07	-7.138E-02	9.105E-03
238	5	510.00	1	-1.618E+04	-1.464E+04	2.289E+03	8.347E-03	-1.868E+06	2.207E+07	3.042E-09	-2.867E-10
238	5	510.00	2	1.621E+04	-1.464E+04	-2.284E+03	1.049E-02	1.868E+06	2.207E+07	3.041E-09	2.857E-10
239	1	0.00	1	1.243E+04	-2.424E+04	2.337E+03	-1.992E-02	-1.188E+06	2.207E+07	0.000E+00	0.000E+00
239	1	0.00	2	-1.238E+04	-2.424E+04	-2.336E+03	-1.782E-02	1.188E+06	2.207E+07	0.000E+00	0.000E+00
239	2	127.25	1	1.243E+04	-2.641E+04	1.764E+03	-1.992E-02	-1.449E+06	1.885E+07	-4.754E-02	-1.035E-02
239	2	127.25	2	-1.238E+04	-2.641E+04	-1.763E+03	-1.782E-02	1.449E+06	1.885E+07	-4.753E-02	1.035E-02
239	3	254.50	1	1.243E+04	-2.857E+04	1.191E+03	-1.992E-02	-1.637E+06	1.535E+07	-5.886E-02	-1.430E-02
239	3	254.50	2	-1.237E+04	-2.857E+04	-1.190E+03	-1.782E-02	1.637E+06	1.535E+07	-5.885E-02	1.430E-02
239	4	381.75	1	1.243E+04	-3.074E+04	6.188E+02	-1.992E-02	-1.752E+06	1.158E+07	-4.061E-02	-1.102E-02
239	4	381.75	2	-1.237E+04	-3.074E+04	-6.178E+02	-1.782E-02	1.752E+06	1.158E+07	-4.061E-02	1.101E-02
239	5	509.00	1	1.243E+04	-3.291E+04	4.619E+01	-1.992E-02	-1.795E+06	7.531E+06	-1.004E-08	-1.090E-09
239	5	509.00	2	-1.237E+04	-3.291E+04	-4.516E+01	-1.782E-02	1.794E+06	7.529E+06	-1.004E-08	1.090E-09
240	1	0.00	1	-1.238E+04	-2.424E+04	1.079E+03	1.782E-02	-1.291E+06	2.207E+07	0.000E+00	0.000E+00
240	1	0.00	2	1.243E+04	-2.424E+04	-1.080E+03	1.992E-02	1.291E+06	2.207E+07	0.000E+00	0.000E+00
240	2	127.25	1	-1.238E+04	-2.641E+04	1.079E+03	1.782E-02	-1.428E+06	1.885E+07	-4.753E-02	-9.969E-03
240	2	127.25	2	1.243E+04	-2.641E+04	-1.080E+03	1.992E-02	1.428E+06	1.885E+07	-4.754E-02	9.971E-03
240	3	254.50	1	-1.237E+04	-2.857E+04	1.079E+03	1.782E-02	-1.565E+06	1.535E+07	-5.885E-02	-1.369E-02
240	3	254.50	2	1.243E+04	-2.857E+04	-1.080E+03	1.992E-02	1.566E+06	1.535E+07	-5.886E-02	1.369E-02
240	4	381.75	1	-1.237E+04	-3.074E+04	1.079E+03	1.782E-02	-1.702E+06	1.158E+07	-4.061E-02	-1.057E-02
240	4	381.75	2	1.243E+04	-3.074E+04	-1.080E+03	1.992E-02	1.703E+06	1.158E+07	-4.061E-02	1.057E-02
240	5	509.00	1	-1.237E+04	-3.291E+04	1.079E+03	1.782E-02	-1.840E+06	7.529E+06	-1.004E-08	2.069E-09
240	5	509.00	2	1.243E+04	-3.291E+04	-1.080E+03	1.992E-02	1.840E+06	7.531E+06	-1.004E-08	-2.069E-09
241	1	0.00	1	9.442E+03	-4.028E+04	8.557E+02	-1.146E-01	-1.338E+06	7.530E+06	0.000E+00	0.000E+00
241	1	0.00	2	-9.353E+03	-4.029E+04	-8.602E+02	-1.130E-01	1.337E+06	7.529E+06	0.000E+00	0.000E+00
241	2	45.25	1	9.443E+03	-4.105E+04	6.521E+02	-1.146E-01	-1.372E+06	5.690E+06	-1.670E-03	-1.168E-03
241	2	45.25	2	-9.352E+03	-4.106E+04	-6.566E+02	-1.130E-01	1.371E+06	5.689E+06	-1.670E-03	1.168E-03
241	3	90.50	1	9.443E+03	-4.182E+04	4.484E+02	-1.146E-01	-1.397E+06	3.815E+06	-1.924E-03	-1.566E-03
241	3	90.50	2	-9.351E+03	-4.183E+04	-4.529E+02	-1.130E-01	1.396E+06	3.814E+06	-1.924E-03	1.566E-03
241	4	135.75	1	9.444E+03	-4.259E+04	2.448E+02	-1.146E-01	-1.412E+06	1.905E+06	-1.214E-03	-1.179E-03
241	4	135.75	2	-9.350E+03	-4.260E+04	-2.493E+02	-1.130E-01	1.412E+06	1.904E+06	-1.214E-03	1.179E-03
241	5	181.00	1	9.445E+03	-4.337E+04	4.118E+01	-1.146E-01	-1.419E+06	-3.974E+04	-2.845E-10	1.838E-11
241	5	181.00	2	-9.349E+03	-4.337E+04	-4.569E+01	-1.130E-01	1.419E+06	-4.133E+04	-2.845E-10	-1.840E-11
242	1	0.00	1	-9.353E+03	-4.029E+04	2.693E+02	1.130E-01	-1.382E+06	7.529E+06	0.000E+00	0.000E+00
242	1	0.00	2	9.442E+03	-4.028E+04	-2.648E+02	1.146E-01	1.383E+06	7.530E+06	0.000E+00	0.000E+00
242	2	45.25	1	-9.352E+03	-4.106E+04	2.693E+02	1.130E-01	-1.394E+06	5.689E+06	-1.670E-03	-1.164E-03
242	2	45.25	2	9.443E+03	-4.105E+04	-2.648E+02	1.146E-01	1.395E+06	5.690E+06	-1.670E-03	1.164E-03
242	3	90.50	1	-9.351E+03	-4.183E+04	2.693E+02	1.130E-01	-1.407E+06	3.814E+06	-1.924E-03	-1.556E-03
242	3	90.50	2	9.443E+03	-4.182E+04	-2.648E+02	1.146E-01	1.407E+06	3.815E+06	-1.924E-03	1.556E-03
242	4	135.75	1	-9.350E+03	-4.260E+04	2.693E+02	1.130E-01	-1.419E+06	1.904E+06	-1.214E-03	-1.170E-03
242	4	135.75	2	9.444E+03	-4.259E+04	-2.648E+02	1.146E-01	1.419E+06	1.905E+06	-1.214E-03	1.170E-03
242	5	181.00	1	-9.349E+03	-4.337E+04	2.693E+02	1.130E-01	-1.431E+06	-4.133E+04	-2.845E-10	-2.417E-10
242	5	181.00	2	9.445E+03	-4.337E+04	-2.648E+02	1.146E-01	1.431E+06	-3.974E+04	-2.845E-10	2.417E-10
243	1	0.00	1	1.137E-13	1.175E+03	3.105E+02	-4.965E-16	1.071E+04	-4.053E+04	0.000E+00	0.000E+00
243	1	0.00	2	1.137E-13	1.175E+03	-3.105E+02	2.168E-15	-1.071E+04	-4.053E+04	0.000E+00	0.000E+00
243	2	17.25	1	1.137E-13	8.812E+02	2.329E+02	-4.965E-16	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06
243	2	17.25	2	1.137E-13	8.812E+02	-2.329E+02	2.168E-15	-6.026E+03	-2.280E+04	-9.263E-06	2.166E-06
243	3	34.50	1	1.137E-13	5.874E+02	1.553E+02	-4.965E-16	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
243	3	34.50	2	1.137E-13	5.874E+02	-1.553E+02	2.168E-15	-2.678E+03	-1.013E+04	-1.262E-05	3.050E-06
243	4	51.75	1	1.137E-13	2.937E+02	7.763E+01	-4.965E-16	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06
243	4	51.75	2	1.137E-13	2.937E+02	-7.763E+01	2.168E-15	-6.695E+02	-2.533E+03	-9.618E-06	2.382E-06
243	5	69.00	1	1.137E-13	-8.605E-10	7.684E-09	-4.965E-16	-3.841E-08	1.705E-08	3.799E-13	1.377E-13
243	5	69.00	2	1.137E-13	4.346E-10	-7.683E-09	2.168E-15	3.842E-08	6.171E-08	3.799E-13	-1.377E-13
244	1	0.00	1	-5.457E-12	1.175E+03	-7.800E-09	1.872E-15	-3.262E-07	-4.053E+04	0.000E+00	0.000E+00
244	1	0.00	2	-5.457E-12	1.175E+03	7.800E-09	-6.121E-15	1.506E-07	-4.053E+04	0.000E+00	0.000E+00
244	2	17.25	1	-5.457E-12	8.812E+02	-7.800E-09	1.872E-15	-1.917E-07	-2.280E+04	-9.263E-06	-1.229E-17

244	2	17.25	2	-5.457E-12	8.812E+02	7.800E-09	-6.121E-15	1.609E-08	-2.280E+04	-9.263E-06	-8.874E-18
244	3	34.50	1	-5.457E-12	5.874E+02	-7.800E-09	1.872E-15	-5.711E-08	-1.013E+04	-1.262E-05	-9.180E-18
244	3	34.50	2	-5.457E-12	5.874E+02	7.800E-09	-6.121E-15	-1.185E-07	-1.013E+04	-1.262E-05	-1.904E-17
244	4	51.75	1	-5.457E-12	2.937E+02	-7.800E-09	1.872E-15	7.744E-08	-2.533E+03	-9.618E-06	-1.478E-18
244	4	51.75	2	-5.457E-12	2.937E+02	7.800E-09	-6.121E-15	-2.530E-07	-2.533E+03	-9.618E-06	-1.969E-17
244	5	69.00	1	-5.457E-12	-3.621E-10	-7.800E-09	1.872E-15	2.120E-07	-9.012E-08	3.799E-13	-2.932E-24
244	5	69.00	2	-5.457E-12	-3.330E-10	7.800E-09	-6.121E-15	-3.876E-07	-9.556E-08	3.799E-13	6.241E-25
245	1	0.00	1	-9.352E-10	-9.294E-10	-5.822E-10	0.000E+00	-2.235E-07	6.760E-08	0.000E+00	0.000E+00
245	1	0.00	2	9.275E-10	7.004E-10	5.820E-10	0.000E+00	2.235E-07	7.877E-08	0.000E+00	0.000E+00
245	2	17.25	1	-9.352E-10	-2.937E+02	-7.763E+01	0.000E+00	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06
245	2	17.25	2	9.275E-10	-2.937E+02	7.763E+01	0.000E+00	-6.695E+02	-2.533E+03	-9.618E-06	2.382E-06
245	3	34.50	1	-9.352E-10	-5.874E+02	-1.553E+02	0.000E+00	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
245	3	34.50	2	9.275E-10	-5.874E+02	1.553E+02	0.000E+00	-2.678E+03	-1.013E+04	-1.262E-05	3.050E-06
245	4	51.75	1	-9.352E-10	-8.812E+02	-2.329E+02	0.000E+00	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06
245	4	51.75	2	9.275E-10	-8.812E+02	2.329E+02	0.000E+00	-6.026E+03	-2.280E+04	-9.263E-06	2.166E-06
245	5	69.00	1	-9.352E-10	-1.175E+03	-3.105E+02	0.000E+00	1.071E+04	-4.053E+04	7.480E-15	3.276E-15
245	5	69.00	2	9.275E-10	-1.175E+03	3.105E+02	0.000E+00	-1.071E+04	-4.053E+04	7.480E-15	-3.276E-15
246	1	0.00	1	9.275E-10	1.650E-11	-1.094E-08	0.000E+00	-7.749E-07	6.387E-08	0.000E+00	0.000E+00
246	1	0.00	2	-9.352E-10	1.650E-11	1.094E-08	0.000E+00	7.748E-07	5.642E-08	0.000E+00	0.000E+00
246	2	17.25	1	9.275E-10	-2.937E+02	-1.094E-08	0.000E+00	-5.861E-07	-2.533E+03	-9.618E-06	-5.549E-17
246	2	17.25	2	-9.352E-10	-2.937E+02	1.094E-08	0.000E+00	5.861E-07	-2.533E+03	-9.618E-06	5.549E-17
246	3	34.50	1	9.275E-10	-5.874E+02	-1.094E-08	0.000E+00	-3.973E-07	-1.013E+04	-1.262E-05	-6.387E-17
246	3	34.50	2	-9.352E-10	-5.874E+02	1.094E-08	0.000E+00	3.973E-07	-1.013E+04	-1.262E-05	6.387E-17
246	4	51.75	1	9.275E-10	-8.812E+02	-1.094E-08	0.000E+00	-2.086E-07	-2.280E+04	-9.263E-06	-4.032E-17
246	4	51.75	2	-9.352E-10	-8.812E+02	1.094E-08	0.000E+00	2.085E-07	-2.280E+04	-9.263E-06	4.032E-17
246	5	69.00	1	9.275E-10	-1.175E+03	-1.094E-08	0.000E+00	-1.981E-08	-4.053E+04	7.487E-15	-4.757E-24
246	5	69.00	2	-9.352E-10	-1.175E+03	1.094E-08	0.000E+00	1.977E-08	-4.053E+04	7.487E-15	4.757E-24
247	1	0.00	1	9.350E+03	4.277E+04	-4.592E+01	1.146E-01	-1.419E+06	-4.010E+04	0.000E+00	0.000E+00
247	1	0.00	2	-9.444E+03	4.277E+04	4.095E+01	1.129E-01	1.419E+06	-4.097E+04	0.000E+00	0.000E+00
247	2	45.25	1	9.351E+03	4.199E+04	-2.495E+02	1.146E-01	-1.412E+06	1.878E+06	-1.198E-03	-1.179E-03
247	2	45.25	2	-9.444E+03	4.200E+04	2.446E+02	1.129E-01	1.412E+06	1.877E+06	-1.198E-03	1.179E-03
247	3	90.50	1	9.352E+03	4.122E+04	-4.532E+02	1.146E-01	-1.396E+06	3.760E+06	-1.898E-03	-1.566E-03
247	3	90.50	2	-9.443E+03	4.123E+04	4.482E+02	1.129E-01	1.397E+06	3.760E+06	-1.898E-03	1.566E-03
247	4	135.75	1	9.352E+03	4.045E+04	-6.568E+02	1.146E-01	-1.371E+06	5.608E+06	-1.647E-03	-1.168E-03
247	4	135.75	2	-9.442E+03	4.046E+04	6.518E+02	1.129E-01	1.372E+06	5.608E+06	-1.647E-03	1.168E-03
247	5	181.00	1	9.353E+03	3.968E+04	-8.604E+02	1.146E-01	-1.337E+06	7.422E+06	-3.591E-11	1.474E-10
247	5	181.00	2	-9.441E+03	3.969E+04	8.554E+02	1.129E-01	1.338E+06	7.421E+06	-3.582E-11	-1.474E-10
248	1	0.00	1	-9.444E+03	4.277E+04	-2.646E+02	-1.129E-01	-1.431E+06	-4.097E+04	0.000E+00	0.000E+00
248	1	0.00	2	9.350E+03	4.277E+04	2.696E+02	-1.146E-01	1.431E+06	-4.010E+04	0.000E+00	0.000E+00
248	2	45.25	1	-9.444E+03	4.200E+04	-2.646E+02	-1.129E-01	-1.419E+06	1.877E+06	-1.198E-03	-1.170E-03
248	2	45.25	2	9.351E+03	4.199E+04	2.696E+02	-1.146E-01	1.419E+06	1.878E+06	-1.198E-03	1.170E-03
248	3	90.50	1	-9.443E+03	4.123E+04	-2.646E+02	-1.129E-01	-1.407E+06	3.760E+06	-1.898E-03	-1.556E-03
248	3	90.50	2	9.352E+03	4.122E+04	2.696E+02	-1.146E-01	1.407E+06	3.760E+06	-1.898E-03	1.556E-03
248	4	135.75	1	-9.442E+03	4.046E+04	-2.646E+02	-1.129E-01	-1.395E+06	5.608E+06	-1.647E-03	-1.164E-03
248	4	135.75	2	9.352E+03	4.045E+04	2.696E+02	-1.146E-01	1.394E+06	5.608E+06	-1.647E-03	1.164E-03
248	5	181.00	1	-9.441E+03	3.969E+04	-2.646E+02	-1.129E-01	-1.383E+06	7.421E+06	-3.582E-11	-9.466E-11
248	5	181.00	2	9.353E+03	3.968E+04	2.696E+02	-1.146E-01	1.382E+06	7.422E+06	-3.591E-11	9.467E-11
249	1	0.00	1	1.237E+04	3.231E+04	-4.490E+01	1.950E-02	-1.794E+06	7.422E+06	0.000E+00	0.000E+00
249	1	0.00	2	-1.243E+04	3.231E+04	4.644E+01	1.824E-02	1.795E+06	7.421E+06	0.000E+00	0.000E+00
249	2	127.25	1	1.237E+04	3.014E+04	-6.175E+02	1.950E-02	-1.752E+06	1.139E+07	-3.994E-02	-1.101E-02
249	2	127.25	2	-1.243E+04	3.014E+04	6.191E+02	1.824E-02	1.752E+06	1.139E+07	-3.994E-02	1.102E-02
249	3	254.50	1	1.237E+04	2.797E+04	-1.190E+03	1.950E-02	-1.637E+06	1.509E+07	-5.786E-02	-1.430E-02
249	3	254.50	2	-1.243E+04	2.797E+04	1.192E+03	1.824E-02	1.637E+06	1.509E+07	-5.786E-02	1.430E-02
249	4	381.75	1	1.238E+04	2.581E+04	-1.763E+03	1.950E-02	-1.449E+06	1.851E+07	-4.672E-02	-1.035E-02
249	4	381.75	2	-1.243E+04	2.581E+04	1.764E+03	1.824E-02	1.449E+06	1.851E+07	-4.672E-02	1.035E-02
249	5	509.00	1	1.238E+04	2.364E+04	-2.335E+03	1.950E-02	-1.188E+06	2.166E+07	-5.531E-10	9.953E-10
249	5	509.00	2	-1.242E+04	2.364E+04	2.337E+03	1.824E-02	1.188E+06	2.166E+07	-5.528E-10	-9.958E-10
250	1	0.00	1	-1.243E+04	3.231E+04	-1.080E+03	-1.824E-02	-1.840E+06	7.421E+06	0.000E+00	0.000E+00
250	1	0.00	2	1.237E+04	3.231E+04	1.079E+03	-1.950E-02	1.840E+06	7.422E+06	0.000E+00	0.000E+00
250	2	127.25	1	-1.243E+04	3.014E+04	-1.080E+03	-1.824E-02	-1.703E+06	1.139E+07	-3.994E-02	-1.057E-02
250	2	127.25	2	1.237E+04	3.014E+04	1.079E+03	-1.950E-02	1.702E+06	1.139E+07	-3.994E-02	1.057E-02
250	3	254.50	1	-1.243E+04	2.797E+04	-1.080E+03	-1.824E-02	-1.566E+06	1.509E+07	-5.786E-02	-1.369E-02

250	3	254.50	2	1.237E+04	2.797E+04	1.079E+03	-1.950E-02	1.565E+06	1.509E+07	-5.786E-02	1.369E-02
250	4	381.75	1	-1.243E+04	2.581E+04	-1.080E+03	-1.824E-02	-1.428E+06	1.851E+07	-4.672E-02	-9.970E-03
250	4	381.75	2	1.238E+04	2.581E+04	1.079E+03	-1.950E-02	1.428E+06	1.851E+07	-4.672E-02	9.969E-03
250	5	509.00	1	-1.242E+04	2.364E+04	-1.080E+03	-1.824E-02	-1.291E+06	2.166E+07	-5.528E-10	-8.051E-10
250	5	509.00	2	1.238E+04	2.364E+04	1.079E+03	-1.950E-02	1.291E+06	2.166E+07	-5.531E-10	8.056E-10
251	1	0.00	1	1.618E+04	1.404E+04	-1.127E+03	1.005E-02	-1.765E+06	2.166E+07	0.000E+00	0.000E+00
251	1	0.00	2	-1.621E+04	1.404E+04	1.131E+03	8.783E-03	1.765E+06	2.166E+07	0.000E+00	0.000E+00
251	2	127.50	1	1.618E+04	1.187E+04	-1.700E+03	1.005E-02	-1.585E+06	2.331E+07	-6.983E-02	-9.351E-03
251	2	127.50	2	-1.621E+04	1.187E+04	1.705E+03	8.783E-03	1.584E+06	2.331E+07	-6.983E-02	9.344E-03
251	3	255.00	1	1.618E+04	9.696E+03	-2.274E+03	1.005E-02	-1.332E+06	2.469E+07	-9.477E-02	-1.167E-02
251	3	255.00	2	-1.620E+04	9.699E+03	2.279E+03	8.783E-03	1.331E+06	2.469E+07	-9.477E-02	1.166E-02
251	4	382.50	1	1.619E+04	7.525E+03	-2.848E+03	1.005E-02	-1.005E+06	2.578E+07	-7.219E-02	-8.078E-03
251	4	382.50	2	-1.620E+04	7.528E+03	2.852E+03	8.783E-03	1.003E+06	2.578E+07	-7.219E-02	8.068E-03
251	5	510.00	1	1.619E+04	5.354E+03	-3.422E+03	1.005E-02	-6.056E+05	2.660E+07	-1.346E-09	2.088E-09
251	5	510.00	2	-1.620E+04	5.357E+03	3.426E+03	8.783E-03	6.032E+05	2.661E+07	-1.346E-09	-2.089E-09
252	1	0.00	1	-1.621E+04	1.404E+04	-2.289E+03	-8.783E-03	-1.868E+06	2.166E+07	0.000E+00	0.000E+00
252	1	0.00	2	1.618E+04	1.404E+04	2.284E+03	-1.005E-02	1.868E+06	2.166E+07	0.000E+00	0.000E+00
252	2	127.50	1	-1.621E+04	1.187E+04	-2.289E+03	-8.783E-03	-1.576E+06	2.331E+07	-6.983E-02	-9.098E-03
252	2	127.50	2	1.618E+04	1.187E+04	2.284E+03	-1.005E-02	1.577E+06	2.331E+07	-6.983E-02	9.105E-03
252	3	255.00	1	-1.620E+04	9.699E+03	-2.289E+03	-8.783E-03	-1.284E+06	2.469E+07	-9.477E-02	-1.128E-02
252	3	255.00	2	1.618E+04	9.696E+03	2.284E+03	-1.005E-02	1.285E+06	2.469E+07	-9.477E-02	1.129E-02
252	4	382.50	1	-1.620E+04	7.528E+03	-2.289E+03	-8.783E-03	-9.922E+05	2.578E+07	-7.219E-02	-7.817E-03
252	4	382.50	2	1.619E+04	7.525E+03	2.284E+03	-1.005E-02	9.941E+05	2.578E+07	-7.219E-02	7.826E-03
252	5	510.00	1	-1.620E+04	5.357E+03	-2.289E+03	-8.783E-03	-7.004E+05	2.661E+07	-1.346E-09	2.134E-09
252	5	510.00	2	1.619E+04	5.354E+03	2.284E+03	-1.005E-02	7.028E+05	2.660E+07	-1.346E-09	-2.134E-09
253	1	0.00	1	2.067E+04	-5.357E+03	-2.329E+03	-8.819E-03	-1.286E+06	2.661E+07	0.000E+00	0.000E+00
253	1	0.00	2	-2.066E+04	-5.354E+03	2.245E+03	-1.001E-02	1.283E+06	2.661E+07	0.000E+00	0.000E+00
253	2	127.50	1	2.067E+04	-7.528E+03	-2.903E+03	-8.819E-03	-9.525E+05	2.578E+07	-7.219E-02	-4.510E-03
253	2	127.50	2	-2.066E+04	-7.525E+03	2.819E+03	-1.001E-02	9.606E+05	2.578E+07	-7.219E-02	4.611E-03
253	3	255.00	1	2.067E+04	-9.699E+03	-3.477E+03	-8.819E-03	-5.457E+05	2.469E+07	-9.477E-02	-4.769E-03
253	3	255.00	2	-2.065E+04	-9.696E+03	3.393E+03	-1.001E-02	5.646E+05	2.469E+07	-9.477E-02	4.935E-03
253	4	382.50	1	2.068E+04	-1.187E+04	-4.050E+03	-8.819E-03	-6.589E+04	2.331E+07	-6.983E-02	-2.564E-03
253	4	382.50	2	-2.065E+04	-1.187E+04	3.966E+03	-1.001E-02	9.549E+04	2.331E+07	-6.983E-02	2.712E-03
253	5	510.00	1	2.068E+04	-1.404E+04	-4.624E+03	-8.819E-03	4.871E+05	2.166E+07	2.450E-09	1.196E-09
253	5	510.00	2	-2.065E+04	-1.404E+04	4.540E+03	-1.001E-02	-4.468E+05	2.166E+07	2.451E-09	-1.195E-09
254	1	0.00	1	-2.066E+04	-5.354E+03	-3.381E+03	1.001E-02	-1.381E+06	2.661E+07	0.000E+00	0.000E+00
254	1	0.00	2	2.067E+04	-5.357E+03	3.465E+03	8.819E-03	1.383E+06	2.661E+07	0.000E+00	0.000E+00
254	2	127.50	1	-2.066E+04	-7.525E+03	-3.381E+03	1.001E-02	-9.495E+05	2.578E+07	-7.219E-02	-4.361E-03
254	2	127.50	2	2.067E+04	-7.528E+03	3.465E+03	8.819E-03	9.414E+05	2.578E+07	-7.219E-02	4.260E-03
254	3	255.00	1	-2.065E+04	-9.696E+03	-3.381E+03	1.001E-02	-5.184E+05	2.469E+07	-9.477E-02	-4.553E-03
254	3	255.00	2	2.067E+04	-9.699E+03	3.465E+03	8.819E-03	4.995E+05	2.469E+07	-9.477E-02	4.387E-03
254	4	382.50	1	-2.065E+04	-1.187E+04	-3.381E+03	1.001E-02	-8.729E+04	2.331E+07	-6.983E-02	-2.468E-03
254	4	382.50	2	2.068E+04	-1.187E+04	3.465E+03	8.819E-03	5.768E+04	2.331E+07	-6.983E-02	2.320E-03
254	5	510.00	1	-2.065E+04	-1.404E+04	-3.381E+03	1.001E-02	3.438E+05	2.166E+07	2.451E-09	-5.256E-10
254	5	510.00	2	2.068E+04	-1.404E+04	3.465E+03	8.819E-03	-3.842E+05	2.166E+07	2.450E-09	5.244E-10
255	1	0.00	1	2.551E+04	-2.364E+04	-3.021E+03	-1.833E-02	-2.466E+05	2.166E+07	0.000E+00	0.000E+00
255	1	0.00	2	-2.546E+04	-2.364E+04	3.718E+03	-1.941E-02	2.872E+05	2.166E+07	0.000E+00	0.000E+00
255	2	127.25	1	2.551E+04	-2.581E+04	-3.594E+03	-1.833E-02	1.743E+05	1.851E+07	-4.671E-02	3.280E-03
255	2	127.25	2	-2.546E+04	-2.581E+04	4.291E+03	-1.941E-02	-2.224E+05	1.851E+07	-4.672E-02	-3.983E-03
255	3	254.50	1	2.551E+04	-2.797E+04	-4.166E+03	-1.833E-02	6.681E+05	1.509E+07	-5.785E-02	5.866E-03
255	3	254.50	2	-2.546E+04	-2.797E+04	4.863E+03	-1.941E-02	-8.048E+05	1.509E+07	-5.786E-02	-7.062E-03
255	4	381.75	1	2.551E+04	-3.014E+04	-4.739E+03	-1.833E-02	1.235E+06	1.139E+07	-3.994E-02	5.599E-03
255	4	381.75	2	-2.546E+04	-3.014E+04	5.436E+03	-1.941E-02	-1.460E+06	1.140E+07	-3.994E-02	-6.690E-03
255	5	509.00	1	2.552E+04	-3.231E+04	-5.312E+03	-1.833E-02	1.874E+06	7.420E+06	-9.714E-09	7.477E-11
255	5	509.00	2	-2.545E+04	-3.231E+04	6.008E+03	-1.941E-02	-2.188E+06	7.422E+06	-9.714E-09	-8.257E-11
256	1	0.00	1	-2.546E+04	-2.364E+04	-4.984E+03	1.941E-02	-3.902E+05	2.166E+07	0.000E+00	0.000E+00
256	1	0.00	2	2.551E+04	-2.364E+04	4.288E+03	1.833E-02	3.496E+05	2.166E+07	0.000E+00	0.000E+00
256	2	127.25	1	-2.546E+04	-2.581E+04	-4.984E+03	1.941E-02	2.440E+05	1.851E+07	-4.672E-02	4.375E-03
256	2	127.25	2	2.551E+04	-2.581E+04	4.288E+03	1.833E-02	-1.960E+05	1.851E+07	-4.671E-02	-3.672E-03
256	3	254.50	1	-2.546E+04	-2.797E+04	-4.984E+03	1.941E-02	8.783E+05	1.509E+07	-5.786E-02	7.683E-03
256	3	254.50	2	2.551E+04	-2.797E+04	4.288E+03	1.833E-02	-7.416E+05	1.509E+07	-5.785E-02	-6.487E-03
256	4	381.75	1	-2.546E+04	-3.014E+04	-4.984E+03	1.941E-02	1.513E+06	1.140E+07	-3.994E-02	7.149E-03

256	4	381.75	2	2.551E+04	-3.014E+04	4.288E+03	1.833E-02	-1.287E+06	1.139E+07	-3.994E-02	-6.059E-03
256	5	509.00	1	-2.545E+04	-3.231E+04	-4.984E+03	1.941E-02	2.147E+06	7.422E+06	-9.714E-09	2.443E-10
256	5	509.00	2	2.552E+04	-3.231E+04	4.288E+03	1.833E-02	-1.833E+06	7.420E+06	-9.714E-09	-2.365E-10
257	1	0.00	1	3.014E+04	-3.968E+04	-5.780E+03	-1.137E-01	1.171E+06	7.420E+06	0.000E+00	0.000E+00
257	1	0.00	2	-3.005E+04	-3.969E+04	3.950E+03	-1.139E-01	-1.488E+06	7.422E+06	0.000E+00	0.000E+00
257	2	45.25	1	3.014E+04	-4.045E+04	-5.984E+03	-1.137E-01	1.437E+06	5.607E+06	-1.647E-03	1.328E-03
257	2	45.25	2	-3.005E+04	-4.046E+04	4.154E+03	-1.139E-01	-1.671E+06	5.609E+06	-1.647E-03	-1.477E-03
257	3	90.50	1	3.014E+04	-4.122E+04	-6.187E+03	-1.137E-01	1.712E+06	3.759E+06	-1.897E-03	1.873E-03
257	3	90.50	2	-3.005E+04	-4.123E+04	4.357E+03	-1.139E-01	-1.864E+06	3.761E+06	-1.898E-03	-2.041E-03
257	4	135.75	1	3.014E+04	-4.199E+04	-6.391E+03	-1.137E-01	1.997E+06	1.877E+06	-1.197E-03	1.483E-03
257	4	135.75	2	-3.005E+04	-4.200E+04	4.561E+03	-1.139E-01	-2.065E+06	1.878E+06	-1.198E-03	-1.586E-03
257	5	181.00	1	3.014E+04	-4.276E+04	-6.595E+03	-1.137E-01	2.291E+06	-4.092E+04	-6.288E-10	3.232E-10
257	5	181.00	2	-3.005E+04	-4.277E+04	4.765E+03	-1.139E-01	-2.276E+06	-4.015E+04	-6.289E-10	-2.834E-10
258	1	0.00	1	-3.005E+04	-3.969E+04	-4.516E+03	1.139E-01	1.447E+06	7.422E+06	0.000E+00	0.000E+00
258	1	0.00	2	3.014E+04	-3.968E+04	6.346E+03	1.136E-01	-1.130E+06	7.420E+06	0.000E+00	0.000E+00
258	2	45.25	1	-3.005E+04	-4.046E+04	-4.516E+03	1.139E-01	1.651E+06	5.609E+06	-1.647E-03	1.483E-03
258	2	45.25	2	3.014E+04	-4.045E+04	6.346E+03	1.136E-01	-1.417E+06	5.607E+06	-1.647E-03	-1.335E-03
258	3	90.50	1	-3.005E+04	-4.123E+04	-4.516E+03	1.139E-01	1.856E+06	3.761E+06	-1.898E-03	2.053E-03
258	3	90.50	2	3.014E+04	-4.122E+04	6.346E+03	1.136E-01	-1.704E+06	3.759E+06	-1.897E-03	-1.885E-03
258	4	135.75	1	-3.005E+04	-4.200E+04	-4.516E+03	1.139E-01	2.060E+06	1.878E+06	-1.198E-03	1.596E-03
258	4	135.75	2	3.014E+04	-4.199E+04	6.346E+03	1.136E-01	-1.992E+06	1.877E+06	-1.197E-03	-1.493E-03
258	5	181.00	1	-3.005E+04	-4.277E+04	-4.516E+03	1.139E-01	2.264E+06	-4.015E+04	-6.289E-10	2.248E-10
258	5	181.00	2	3.014E+04	-4.276E+04	6.346E+03	1.136E-01	-2.279E+06	-4.092E+04	-6.288E-10	-2.646E-10
259	1	0.00	1	-1.703E+00	1.175E+03	3.105E+02	-1.341E-10	1.071E+04	-4.053E+04	0.000E+00	0.000E+00
259	1	0.00	2	-1.703E+00	1.175E+03	-3.105E+02	1.433E-10	-1.071E+04	-4.053E+04	0.000E+00	0.000E+00
259	2	17.25	1	-1.277E+00	8.812E+02	2.329E+02	-1.341E-10	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06
259	2	17.25	2	-1.277E+00	8.812E+02	-2.329E+02	1.433E-10	-6.026E+03	-2.280E+04	-9.263E-06	2.166E-06
259	3	34.50	1	-8.514E-01	5.874E+02	1.553E+02	-1.341E-10	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
259	3	34.50	2	-8.514E-01	5.874E+02	-1.553E+02	1.433E-10	-2.678E+03	-1.013E+04	-1.262E-05	3.050E-06
259	4	51.75	1	-4.257E-01	2.937E+02	7.763E+01	-1.341E-10	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06
259	4	51.75	2	-4.257E-01	2.937E+02	-7.763E+01	1.433E-10	-6.695E+02	-2.533E+03	-9.618E-06	2.382E-06
259	5	69.00	1	-7.351E-10	-1.543E-09	-3.405E-09	-1.341E-10	1.281E-07	-3.167E-08	1.621E-13	-2.432E-13
259	5	69.00	2	8.328E-10	-6.404E-10	3.599E-09	1.433E-10	-1.405E-07	3.059E-08	1.621E-13	2.432E-13
260	1	0.00	1	-1.703E+00	1.175E+03	1.675E-09	1.718E-11	3.355E-08	-4.053E+04	0.000E+00	0.000E+00
260	1	0.00	2	-1.703E+00	1.175E+03	-1.352E-09	-8.237E-12	-2.606E-08	-4.053E+04	0.000E+00	0.000E+00
260	2	17.25	1	-1.277E+00	8.812E+02	1.675E-09	1.718E-11	4.662E-09	-2.280E+04	-9.263E-06	-1.793E-18
260	2	17.25	2	-1.277E+00	8.812E+02	-1.352E-09	-8.237E-12	-2.731E-09	-2.280E+04	-9.263E-06	1.512E-18
260	3	34.50	1	-8.514E-01	5.874E+02	1.675E-09	1.718E-11	-2.422E-08	-1.013E+04	-1.262E-05	-3.918E-18
260	3	34.50	2	-8.514E-01	5.874E+02	-1.352E-09	-8.237E-12	2.060E-08	-1.013E+04	-1.262E-05	3.287E-18
260	4	51.75	1	-4.257E-01	2.937E+02	1.675E-09	1.718E-11	-5.311E-08	-2.533E+03	-9.618E-06	-4.084E-18
260	4	51.75	2	-4.257E-01	2.937E+02	-1.352E-09	-8.237E-12	4.392E-08	-2.533E+03	-9.618E-06	3.418E-18
260	5	69.00	1	6.724E-10	8.111E-10	1.675E-09	1.718E-11	-8.199E-08	-1.082E-08	1.621E-13	-2.258E-25
260	5	69.00	2	-4.517E-10	-1.706E-09	-1.352E-09	-8.237E-12	6.725E-08	1.740E-09	1.621E-13	2.297E-25
261	1	0.00	1	-2.788E-10	-2.891E-10	-2.851E-10	-3.944E-11	3.695E-08	9.224E-08	0.000E+00	0.000E+00
261	1	0.00	2	2.851E-10	-1.290E-10	2.788E-10	3.973E-11	-3.726E-08	8.107E-08	0.000E+00	0.000E+00
261	2	17.25	1	4.257E-01	-2.937E+02	-7.763E+01	-3.944E-11	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06
261	2	17.25	2	4.257E-01	-2.937E+02	7.763E+01	3.973E-11	-6.695E+02	-2.533E+03	-9.618E-06	2.382E-06
261	3	34.50	1	8.514E-01	-5.874E+02	-1.553E+02	-3.944E-11	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
261	3	34.50	2	8.514E-01	-5.874E+02	1.553E+02	3.973E-11	-2.678E+03	-1.013E+04	-1.262E-05	3.050E-06
261	4	51.75	1	1.277E+00	-8.812E+02	-2.329E+02	-3.944E-11	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06
261	4	51.75	2	1.277E+00	-8.812E+02	2.329E+02	3.973E-11	-6.026E+03	-2.280E+04	-9.263E-06	2.166E-06
261	5	69.00	1	1.703E+00	-1.175E+03	-3.105E+02	-3.944E-11	1.071E+04	-4.053E+04	-1.370E-14	-2.229E-15
261	5	69.00	2	1.703E+00	-1.175E+03	3.105E+02	3.973E-11	-1.071E+04	-4.053E+04	-1.370E-14	2.229E-15
262	1	0.00	1	2.711E-10	1.857E-10	1.427E-10	-3.964E-11	2.981E-08	3.124E-08	0.000E+00	0.000E+00
262	1	0.00	2	-2.674E-10	-2.654E-10	-1.483E-10	3.935E-11	-2.980E-08	4.614E-08	0.000E+00	0.000E+00
262	2	17.25	1	4.257E-01	-2.937E+02	1.427E-10	-3.964E-11	2.734E-08	-2.533E+03	-9.618E-06	3.089E-18
262	2	17.25	2	4.257E-01	-2.937E+02	-1.483E-10	3.935E-11	-2.724E-08	-2.533E+03	-9.618E-06	-3.089E-18
262	3	34.50	1	8.514E-01	-5.874E+02	1.427E-10	-3.964E-11	2.488E-08	-1.013E+04	-1.262E-05	3.984E-18
262	3	34.50	2	8.514E-01	-5.874E+02	-1.483E-10	3.935E-11	-2.468E-08	-1.013E+04	-1.262E-05	-3.984E-18
262	4	51.75	1	1.277E+00	-8.812E+02	1.427E-10	-3.964E-11	2.242E-08	-2.280E+04	-9.263E-06	2.887E-18
262	4	51.75	2	1.277E+00	-8.812E+02	-1.483E-10	3.935E-11	-2.212E-08	-2.280E+04	-9.263E-06	-2.887E-18
262	5	69.00	1	1.703E+00	-1.175E+03	1.427E-10	-3.964E-11	1.996E-08	-4.053E+04	-1.369E-14	1.700E-25

262	5	69.00	2	1.703E+00	-1.175E+03	-1.483E-10	3.935E-11	-1.956E-08	-4.053E+04	-1.369E-14	-1.700E-25
263	1	0.00	1	3.005E+04	4.277E+04	6.609E+03	1.122E-01	2.291E+06	-4.141E+04	0.000E+00	0.000E+00
263	1	0.00	2	-3.014E+04	4.276E+04	-4.750E+03	1.154E-01	-2.276E+06	-3.965E+04	0.000E+00	0.000E+00
263	2	45.25	1	3.005E+04	4.200E+04	6.405E+03	1.122E-01	1.996E+06	1.877E+06	-1.198E-03	1.482E-03
263	2	45.25	2	-3.014E+04	4.199E+04	-4.547E+03	1.154E-01	-2.066E+06	1.878E+06	-1.198E-03	-1.586E-03
263	3	90.50	1	3.005E+04	4.123E+04	6.202E+03	1.122E-01	1.711E+06	3.760E+06	-1.898E-03	1.872E-03
263	3	90.50	2	-3.014E+04	4.122E+04	-4.343E+03	1.154E-01	-1.865E+06	3.760E+06	-1.898E-03	-2.042E-03
263	4	135.75	1	3.005E+04	4.046E+04	5.998E+03	1.122E-01	1.435E+06	5.608E+06	-1.647E-03	1.327E-03
263	4	135.75	2	-3.014E+04	4.045E+04	-4.139E+03	1.154E-01	-1.673E+06	5.608E+06	-1.647E-03	-1.478E-03
263	5	181.00	1	3.005E+04	3.969E+04	5.794E+03	1.122E-01	1.168E+06	7.421E+06	-1.187E-10	2.977E-10
263	5	181.00	2	-3.014E+04	3.968E+04	-3.936E+03	1.154E-01	-1.490E+06	7.421E+06	-1.187E-10	-2.998E-10
264	1	0.00	1	-3.014E+04	4.276E+04	4.502E+03	-1.154E-01	2.264E+06	-3.965E+04	0.000E+00	0.000E+00
264	1	0.00	2	3.005E+04	4.277E+04	-6.360E+03	-1.122E-01	-2.279E+06	-4.141E+04	0.000E+00	0.000E+00
264	2	45.25	1	-3.014E+04	4.199E+04	4.502E+03	-1.154E-01	2.061E+06	1.878E+06	-1.198E-03	1.597E-03
264	2	45.25	2	3.005E+04	4.200E+04	-6.360E+03	-1.122E-01	-1.991E+06	1.877E+06	-1.198E-03	-1.492E-03
264	3	90.50	1	-3.014E+04	4.122E+04	4.502E+03	-1.154E-01	1.857E+06	3.760E+06	-1.898E-03	2.054E-03
264	3	90.50	2	3.005E+04	4.123E+04	-6.360E+03	-1.122E-01	-1.703E+06	3.760E+06	-1.898E-03	-1.884E-03
264	4	135.75	1	-3.014E+04	4.045E+04	4.502E+03	-1.154E-01	1.653E+06	5.608E+06	-1.647E-03	1.484E-03
264	4	135.75	2	3.005E+04	4.046E+04	-6.360E+03	-1.122E-01	-1.415E+06	5.608E+06	-1.647E-03	-1.333E-03
264	5	181.00	1	-3.014E+04	3.968E+04	4.502E+03	-1.154E-01	1.450E+06	7.421E+06	-1.187E-10	1.117E-10
264	5	181.00	2	3.005E+04	3.969E+04	-6.360E+03	-1.122E-01	-1.127E+06	7.421E+06	-1.187E-10	-1.097E-10
265	1	0.00	1	2.545E+04	3.231E+04	5.306E+03	1.769E-02	1.872E+06	7.421E+06	0.000E+00	0.000E+00
265	1	0.00	2	-2.552E+04	3.231E+04	-6.014E+03	2.005E-02	-2.191E+06	7.421E+06	0.000E+00	0.000E+00
265	2	127.25	1	2.546E+04	3.014E+04	4.733E+03	1.769E-02	1.233E+06	1.139E+07	-3.994E-02	5.590E-03
265	2	127.25	2	-2.551E+04	3.014E+04	-5.442E+03	2.005E-02	-1.462E+06	1.139E+07	-3.994E-02	-6.699E-03
265	3	254.50	1	2.546E+04	2.797E+04	4.160E+03	1.769E-02	6.670E+05	1.509E+07	-5.786E-02	5.857E-03
265	3	254.50	2	-2.551E+04	2.797E+04	-4.869E+03	2.005E-02	-8.059E+05	1.509E+07	-5.786E-02	-7.072E-03
265	4	381.75	1	2.546E+04	2.581E+04	3.588E+03	1.769E-02	1.740E+05	1.851E+07	-4.672E-02	3.275E-03
265	4	381.75	2	-2.551E+04	2.581E+04	-4.297E+03	2.005E-02	-2.227E+05	1.851E+07	-4.672E-02	-3.989E-03
265	5	509.00	1	2.546E+04	2.364E+04	3.015E+03	1.769E-02	-2.462E+05	2.166E+07	-1.046E-09	-1.420E-09
265	5	509.00	2	-2.551E+04	2.364E+04	-3.724E+03	2.005E-02	2.876E+05	2.166E+07	-1.046E-09	1.277E-09
266	1	0.00	1	-2.552E+04	3.231E+04	4.990E+03	-2.005E-02	2.149E+06	7.421E+06	0.000E+00	0.000E+00
266	1	0.00	2	2.545E+04	3.231E+04	-4.282E+03	-1.769E-02	-1.830E+06	7.421E+06	0.000E+00	0.000E+00
266	2	127.25	1	-2.551E+04	3.014E+04	4.990E+03	-2.005E-02	1.514E+06	1.139E+07	-3.994E-02	7.158E-03
266	2	127.25	2	2.546E+04	3.014E+04	-4.282E+03	-1.769E-02	-1.285E+06	1.139E+07	-3.994E-02	-6.050E-03
266	3	254.50	1	-2.551E+04	2.797E+04	4.990E+03	-2.005E-02	8.794E+05	1.509E+07	-5.786E-02	7.693E-03
266	3	254.50	2	2.546E+04	2.797E+04	-4.282E+03	-1.769E-02	-7.405E+05	1.509E+07	-5.786E-02	-6.477E-03
266	4	381.75	1	-2.551E+04	2.581E+04	4.990E+03	-2.005E-02	2.444E+05	1.851E+07	-4.672E-02	4.381E-03
266	4	381.75	2	2.546E+04	2.581E+04	-4.282E+03	-1.769E-02	-1.956E+05	1.851E+07	-4.672E-02	-3.667E-03
266	5	509.00	1	-2.551E+04	2.364E+04	4.990E+03	-2.005E-02	-3.906E+05	2.166E+07	-1.046E-09	1.580E-09
266	5	509.00	2	2.546E+04	2.364E+04	-4.282E+03	-1.769E-02	3.492E+05	2.166E+07	-1.046E-09	-1.437E-09
267	1	0.00	1	2.065E+04	1.404E+04	4.625E+03	8.267E-03	4.874E+05	2.166E+07	0.000E+00	0.000E+00
267	1	0.00	2	-2.068E+04	1.404E+04	-4.540E+03	1.057E-02	-4.465E+05	2.166E+07	0.000E+00	0.000E+00
267	2	127.50	1	2.065E+04	1.187E+04	4.051E+03	8.267E-03	-6.566E+04	2.331E+07	-6.983E-02	-2.562E-03
267	2	127.50	2	-2.068E+04	1.187E+04	-3.966E+03	1.057E-02	9.572E+04	2.331E+07	-6.983E-02	2.713E-03
267	3	255.00	1	2.065E+04	9.699E+03	3.477E+03	8.267E-03	-5.456E+05	2.469E+07	-9.477E-02	-4.768E-03
267	3	255.00	2	-2.067E+04	9.697E+03	-3.392E+03	1.057E-02	5.648E+05	2.469E+07	-9.477E-02	4.937E-03
267	4	382.50	1	2.066E+04	7.528E+03	2.903E+03	8.267E-03	-9.524E+05	2.578E+07	-7.219E-02	-4.509E-03
267	4	382.50	2	-2.067E+04	7.526E+03	-2.818E+03	1.057E-02	9.607E+05	2.578E+07	-7.219E-02	4.612E-03
267	5	510.00	1	2.066E+04	5.357E+03	2.330E+03	8.267E-03	-1.286E+06	2.661E+07	-1.170E-09	1.966E-10
267	5	510.00	2	-2.067E+04	5.355E+03	-2.245E+03	1.057E-02	1.283E+06	2.660E+07	-1.170E-09	-1.996E-10
268	1	0.00	1	-2.068E+04	1.404E+04	3.381E+03	-1.057E-02	3.435E+05	2.166E+07	0.000E+00	0.000E+00
268	1	0.00	2	2.065E+04	1.404E+04	-3.466E+03	-8.267E-03	-3.844E+05	2.166E+07	0.000E+00	0.000E+00
268	2	127.50	1	-2.068E+04	1.187E+04	3.381E+03	-1.057E-02	-8.751E+04	2.331E+07	-6.983E-02	-2.469E-03
268	2	127.50	2	2.065E+04	1.187E+04	-3.466E+03	-8.267E-03	5.746E+04	2.331E+07	-6.983E-02	2.319E-03
268	3	255.00	1	-2.067E+04	9.697E+03	3.381E+03	-1.057E-02	-5.186E+05	2.469E+07	-9.477E-02	-4.554E-03
268	3	255.00	2	2.065E+04	9.699E+03	-3.466E+03	-8.267E-03	4.994E+05	2.469E+07	-9.477E-02	4.385E-03
268	4	382.50	1	-2.067E+04	7.526E+03	3.381E+03	-1.057E-02	-9.496E+05	2.578E+07	-7.219E-02	-4.362E-03
268	4	382.50	2	2.066E+04	7.528E+03	-3.466E+03	-8.267E-03	9.413E+05	2.578E+07	-7.219E-02	4.259E-03
268	5	510.00	1	-2.067E+04	5.355E+03	3.381E+03	-1.057E-02	-1.381E+06	2.660E+07	-1.170E-09	-7.580E-11
268	5	510.00	2	2.066E+04	5.357E+03	-3.466E+03	-8.267E-03	1.383E+06	2.661E+07	-1.171E-09	7.876E-11
269	1	0.00	1	1.620E+04	-5.355E+03	3.421E+03	-1.053E-02	-6.057E+05	2.661E+07	0.000E+00	0.000E+00

269	1	0.00	2	-1.619E+04	-5.357E+03	-3.426E+03	-8.303E-03	6.031E+05	2.661E+07	0.000E+00	0.000E+00
269	2	127.50	1	1.620E+04	-7.526E+03	2.848E+03	-1.053E-02	-1.005E+06	2.578E+07	-7.219E-02	-8.078E-03
269	2	127.50	2	-1.619E+04	-7.528E+03	-2.853E+03	-8.303E-03	1.003E+06	2.578E+07	-7.219E-02	8.068E-03
269	3	255.00	1	1.620E+04	-9.697E+03	2.274E+03	-1.053E-02	-1.332E+06	2.469E+07	-9.477E-02	-1.167E-02
269	3	255.00	2	-1.618E+04	-9.699E+03	-2.279E+03	-8.303E-03	1.331E+06	2.469E+07	-9.477E-02	1.166E-02
269	4	382.50	1	1.621E+04	-1.187E+04	1.700E+03	-1.053E-02	-1.585E+06	2.331E+07	-6.983E-02	-9.351E-03
269	4	382.50	2	-1.618E+04	-1.187E+04	-1.705E+03	-8.303E-03	1.585E+06	2.331E+07	-6.983E-02	9.344E-03
269	5	510.00	1	1.621E+04	-1.404E+04	1.126E+03	-1.053E-02	-1.765E+06	2.166E+07	2.367E-09	2.779E-09
269	5	510.00	2	-1.618E+04	-1.404E+04	-1.131E+03	-8.303E-03	1.765E+06	2.166E+07	2.367E-09	-2.778E-09
270	1	0.00	1	-1.619E+04	-5.357E+03	2.289E+03	8.303E-03	-7.003E+05	2.661E+07	0.000E+00	0.000E+00
270	1	0.00	2	1.620E+04	-5.355E+03	-2.284E+03	1.053E-02	7.029E+05	2.661E+07	0.000E+00	0.000E+00
270	2	127.50	1	-1.619E+04	-7.528E+03	2.289E+03	8.303E-03	-9.922E+05	2.578E+07	-7.219E-02	-7.817E-03
270	2	127.50	2	1.620E+04	-7.526E+03	-2.284E+03	1.053E-02	9.941E+05	2.578E+07	-7.219E-02	7.826E-03
270	3	255.00	1	-1.618E+04	-9.699E+03	2.289E+03	8.303E-03	-1.284E+06	2.469E+07	-9.477E-02	-1.128E-02
270	3	255.00	2	1.620E+04	-9.697E+03	-2.284E+03	1.053E-02	1.285E+06	2.469E+07	-9.477E-02	1.129E-02
270	4	382.50	1	-1.618E+04	-1.187E+04	2.289E+03	8.303E-03	-1.576E+06	2.331E+07	-6.983E-02	-9.098E-03
270	4	382.50	2	1.621E+04	-1.187E+04	-2.284E+03	1.053E-02	1.577E+06	2.331E+07	-6.983E-02	9.105E-03
270	5	510.00	1	-1.618E+04	-1.404E+04	2.289E+03	8.303E-03	-1.868E+06	2.166E+07	2.367E-09	-2.961E-10
270	5	510.00	2	1.621E+04	-1.404E+04	-2.284E+03	1.053E-02	1.868E+06	2.166E+07	2.367E-09	2.951E-10
271	1	0.00	1	1.242E+04	-2.364E+04	2.337E+03	-1.996E-02	-1.188E+06	2.166E+07	0.000E+00	0.000E+00
271	1	0.00	2	-1.238E+04	-2.364E+04	-2.336E+03	-1.778E-02	1.188E+06	2.166E+07	0.000E+00	0.000E+00
271	2	127.25	1	1.243E+04	-2.581E+04	1.764E+03	-1.996E-02	-1.449E+06	1.851E+07	-4.672E-02	-1.035E-02
271	2	127.25	2	-1.238E+04	-2.581E+04	-1.763E+03	-1.778E-02	1.449E+06	1.851E+07	-4.671E-02	1.035E-02
271	3	254.50	1	1.243E+04	-2.797E+04	1.191E+03	-1.996E-02	-1.637E+06	1.509E+07	-5.786E-02	-1.430E-02
271	3	254.50	2	-1.237E+04	-2.797E+04	-1.190E+03	-1.778E-02	1.637E+06	1.509E+07	-5.785E-02	1.430E-02
271	4	381.75	1	1.243E+04	-3.014E+04	6.188E+02	-1.996E-02	-1.752E+06	1.140E+07	-3.994E-02	-1.102E-02
271	4	381.75	2	-1.237E+04	-3.014E+04	-6.178E+02	-1.778E-02	1.752E+06	1.139E+07	-3.994E-02	1.101E-02
271	5	509.00	1	1.243E+04	-3.231E+04	4.619E+01	-1.996E-02	-1.795E+06	7.422E+06	-1.006E-08	-1.098E-09
271	5	509.00	2	-1.237E+04	-3.231E+04	-4.516E+01	-1.778E-02	1.794E+06	7.420E+06	-1.005E-08	1.099E-09
272	1	0.00	1	-1.238E+04	-2.364E+04	1.079E+03	1.778E-02	-1.291E+06	2.166E+07	0.000E+00	0.000E+00
272	1	0.00	2	1.242E+04	-2.364E+04	-1.080E+03	1.996E-02	1.291E+06	2.166E+07	0.000E+00	0.000E+00
272	2	127.25	1	-1.238E+04	-2.581E+04	1.079E+03	1.778E-02	-1.428E+06	1.851E+07	-4.671E-02	-9.969E-03
272	2	127.25	2	1.243E+04	-2.581E+04	-1.080E+03	1.996E-02	1.428E+06	1.851E+07	-4.672E-02	9.971E-03
272	3	254.50	1	-1.237E+04	-2.797E+04	1.079E+03	1.778E-02	-1.565E+06	1.509E+07	-5.785E-02	-1.369E-02
272	3	254.50	2	1.243E+04	-2.797E+04	-1.080E+03	1.996E-02	1.566E+06	1.509E+07	-5.786E-02	1.369E-02
272	4	381.75	1	-1.237E+04	-3.014E+04	1.079E+03	1.778E-02	-1.702E+06	1.139E+07	-3.994E-02	-1.057E-02
272	4	381.75	2	1.243E+04	-3.014E+04	-1.080E+03	1.996E-02	1.703E+06	1.140E+07	-3.994E-02	1.057E-02
272	5	509.00	1	-1.237E+04	-3.231E+04	1.079E+03	1.778E-02	-1.840E+06	7.420E+06	-1.005E-08	2.060E-09
272	5	509.00	2	1.243E+04	-3.231E+04	-1.080E+03	1.996E-02	1.840E+06	7.422E+06	-1.006E-08	-2.061E-09
273	1	0.00	1	9.441E+03	-3.968E+04	8.557E+02	-1.146E-01	-1.338E+06	7.422E+06	0.000E+00	0.000E+00
273	1	0.00	2	-9.353E+03	-3.969E+04	-8.602E+02	-1.129E-01	1.337E+06	7.421E+06	0.000E+00	0.000E+00
273	2	45.25	1	9.442E+03	-4.045E+04	6.521E+02	-1.146E-01	-1.372E+06	5.609E+06	-1.647E-03	-1.168E-03
273	2	45.25	2	-9.352E+03	-4.046E+04	-6.566E+02	-1.129E-01	1.371E+06	5.607E+06	-1.647E-03	1.168E-03
273	3	90.50	1	9.443E+03	-4.122E+04	4.484E+02	-1.146E-01	-1.397E+06	3.761E+06	-1.898E-03	-1.566E-03
273	3	90.50	2	-9.352E+03	-4.123E+04	-4.529E+02	-1.129E-01	1.396E+06	3.759E+06	-1.897E-03	1.566E-03
273	4	135.75	1	9.444E+03	-4.199E+04	2.448E+02	-1.146E-01	-1.412E+06	1.878E+06	-1.198E-03	-1.179E-03
273	4	135.75	2	-9.351E+03	-4.200E+04	-2.493E+02	-1.129E-01	1.412E+06	1.876E+06	-1.197E-03	1.179E-03
273	5	181.00	1	9.444E+03	-4.277E+04	4.118E+01	-1.146E-01	-1.419E+06	-3.971E+04	-2.863E-10	1.751E-11
273	5	181.00	2	-9.350E+03	-4.277E+04	-4.569E+01	-1.129E-01	1.419E+06	-4.136E+04	-2.864E-10	-1.754E-11
274	1	0.00	1	-9.353E+03	-3.969E+04	2.693E+02	1.130E-01	-1.382E+06	7.421E+06	0.000E+00	0.000E+00
274	1	0.00	2	9.441E+03	-3.968E+04	-2.648E+02	1.146E-01	1.383E+06	7.422E+06	0.000E+00	0.000E+00
274	2	45.25	1	-9.352E+03	-4.046E+04	2.693E+02	1.130E-01	-1.394E+06	5.607E+06	-1.647E-03	-1.164E-03
274	2	45.25	2	9.442E+03	-4.045E+04	-2.648E+02	1.146E-01	1.395E+06	5.609E+06	-1.647E-03	1.164E-03
274	3	90.50	1	-9.352E+03	-4.123E+04	2.693E+02	1.130E-01	-1.407E+06	3.759E+06	-1.897E-03	-1.556E-03
274	3	90.50	2	9.443E+03	-4.122E+04	-2.648E+02	1.146E-01	1.407E+06	3.761E+06	-1.898E-03	1.556E-03
274	4	135.75	1	-9.351E+03	-4.200E+04	2.693E+02	1.130E-01	-1.419E+06	1.876E+06	-1.197E-03	-1.170E-03
274	4	135.75	2	9.444E+03	-4.199E+04	-2.648E+02	1.146E-01	1.419E+06	1.878E+06	-1.198E-03	1.170E-03
274	5	181.00	1	-9.350E+03	-4.277E+04	2.693E+02	1.130E-01	-1.431E+06	-4.136E+04	-2.864E-10	-2.425E-10
274	5	181.00	2	9.444E+03	-4.277E+04	-2.648E+02	1.146E-01	1.431E+06	-3.971E+04	-2.863E-10	2.425E-10
275	1	0.00	1	-4.693E-10	1.175E+03	3.105E+02	1.101E-15	1.071E+04	-4.053E+04	0.000E+00	0.000E+00
275	1	0.00	2	4.620E-10	1.175E+03	-3.105E+02	2.129E-16	-1.071E+04	-4.053E+04	0.000E+00	0.000E+00
275	2	17.25	1	-4.693E-10	8.812E+02	2.329E+02	1.101E-15	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06

275	2	17.25	2	4.620E-10	8.812E+02	-2.329E+02	2.129E-16	-6.026E+03	-2.280E+04	-9.263E-06	2.166E-06
275	3	34.50	1	-4.693E-10	5.874E+02	1.552E+02	1.101E-15	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
275	3	34.50	2	4.620E-10	5.874E+02	-1.552E+02	2.129E-16	-2.678E+03	-1.013E+04	-1.262E-05	3.050E-06
275	4	51.75	1	-4.693E-10	2.937E+02	7.762E+01	1.101E-15	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06
275	4	51.75	2	4.620E-10	2.937E+02	-7.762E+01	2.129E-16	-6.695E+02	-2.533E+03	-9.618E-06	2.382E-06
275	5	69.00	1	-4.693E-10	2.479E-09	-3.725E-09	1.101E-15	9.116E-08	1.115E-07	3.799E-13	1.374E-13
275	5	69.00	2	4.620E-10	-2.847E-09	3.725E-09	2.129E-16	-9.138E-08	-1.293E-07	3.799E-13	-1.374E-13
276	1	0.00	1	-4.584E-10	1.175E+03	3.230E-09	-6.290E-16	1.712E-07	-4.053E+04	0.000E+00	0.000E+00
276	1	0.00	2	4.729E-10	1.175E+03	-3.231E-09	2.036E-15	-2.032E-07	-4.053E+04	0.000E+00	0.000E+00
276	2	17.25	1	-4.584E-10	8.812E+02	3.230E-09	-6.290E-16	1.154E-07	-2.280E+04	-9.263E-06	9.533E-18
276	2	17.25	2	4.729E-10	8.812E+02	-3.231E-09	2.036E-15	-1.475E-07	-2.280E+04	-9.263E-06	-1.321E-17
276	3	34.50	1	-4.584E-10	5.874E+02	3.230E-09	-6.290E-16	5.971E-08	-1.013E+04	-1.262E-05	9.724E-18
276	3	34.50	2	4.729E-10	5.874E+02	-3.231E-09	2.036E-15	-9.177E-08	-1.013E+04	-1.262E-05	-1.463E-17
276	4	51.75	1	-4.584E-10	2.937E+02	3.230E-09	-6.290E-16	3.990E-09	-2.533E+03	-9.618E-06	5.054E-18
276	4	51.75	2	4.729E-10	2.937E+02	-3.231E-09	2.036E-15	-3.604E-08	-2.533E+03	-9.618E-06	-8.731E-18
276	5	69.00	1	-4.584E-10	1.246E-09	3.230E-09	-6.290E-16	-5.173E-08	5.343E-08	3.799E-13	3.290E-24
276	5	69.00	2	4.729E-10	1.304E-09	-3.231E-09	2.036E-15	1.969E-08	5.744E-08	3.799E-13	-3.248E-24
277	1	0.00	1	3.723E-09	1.181E-09	-2.095E-08	0.000E+00	7.153E-07	6.154E-08	0.000E+00	0.000E+00
277	1	0.00	2	-3.727E-09	-5.947E-10	2.096E-08	0.000E+00	-7.153E-07	8.762E-08	0.000E+00	0.000E+00
277	2	17.25	1	3.723E-09	-2.937E+02	-7.763E+01	0.000E+00	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06
277	2	17.25	2	-3.727E-09	-2.937E+02	7.763E+01	0.000E+00	-6.695E+02	-2.533E+03	-9.618E-06	2.382E-06
277	3	34.50	1	3.723E-09	-5.874E+02	-1.553E+02	0.000E+00	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
277	3	34.50	2	-3.727E-09	-5.874E+02	1.553E+02	0.000E+00	-2.678E+03	-1.013E+04	-1.262E-05	3.050E-06
277	4	51.75	1	3.723E-09	-8.812E+02	-2.329E+02	0.000E+00	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06
277	4	51.75	2	-3.727E-09	-8.812E+02	2.329E+02	0.000E+00	-6.026E+03	-2.280E+04	-9.263E-06	2.166E-06
277	5	69.00	1	3.723E-09	-1.175E+03	-3.105E+02	0.000E+00	1.071E+04	-4.053E+04	7.475E-15	4.108E-15
277	5	69.00	2	-3.727E-09	-1.175E+03	3.105E+02	0.000E+00	-1.071E+04	-4.053E+04	7.475E-15	-4.108E-15
278	1	0.00	1	-3.727E-09	-1.672E-10	1.071E-08	0.000E+00	1.132E-06	5.829E-08	0.000E+00	0.000E+00
278	1	0.00	2	3.723E-09	-1.527E-10	-1.071E-08	0.000E+00	-1.133E-06	5.456E-08	0.000E+00	0.000E+00
278	2	17.25	1	-3.727E-09	-2.937E+02	1.071E-08	0.000E+00	9.477E-07	-2.533E+03	-9.618E-06	9.941E-17
278	2	17.25	2	3.723E-09	-2.937E+02	-1.071E-08	0.000E+00	-9.478E-07	-2.533E+03	-9.618E-06	-9.941E-17
278	3	34.50	1	-3.727E-09	-5.874E+02	1.071E-08	0.000E+00	7.630E-07	-1.013E+04	-1.262E-05	1.227E-16
278	3	34.50	2	3.723E-09	-5.874E+02	-1.071E-08	0.000E+00	-7.630E-07	-1.013E+04	-1.262E-05	-1.227E-16
278	4	51.75	1	-3.727E-09	-8.812E+02	1.071E-08	0.000E+00	5.782E-07	-2.280E+04	-9.263E-06	8.456E-17
278	4	51.75	2	3.723E-09	-8.812E+02	-1.071E-08	0.000E+00	-5.783E-07	-2.280E+04	-9.263E-06	-8.456E-17
278	5	69.00	1	-3.727E-09	-1.175E+03	1.071E-08	0.000E+00	3.935E-07	-4.053E+04	7.484E-15	3.473E-23
278	5	69.00	2	3.723E-09	-1.175E+03	-1.071E-08	0.000E+00	-3.935E-07	-4.053E+04	7.484E-15	-3.473E-23
279	1	0.00	1	9.350E+03	4.277E+04	-4.592E+01	1.147E-01	-1.419E+06	-4.006E+04	0.000E+00	0.000E+00
279	1	0.00	2	-9.444E+03	4.277E+04	4.095E+01	1.129E-01	1.419E+06	-4.100E+04	0.000E+00	0.000E+00
279	2	45.25	1	9.351E+03	4.199E+04	-2.495E+02	1.147E-01	-1.412E+06	1.878E+06	-1.198E-03	-1.179E-03
279	2	45.25	2	-9.444E+03	4.200E+04	2.446E+02	1.129E-01	1.412E+06	1.877E+06	-1.198E-03	1.179E-03
279	3	90.50	1	9.352E+03	4.122E+04	-4.532E+02	1.147E-01	-1.396E+06	3.760E+06	-1.898E-03	-1.566E-03
279	3	90.50	2	-9.443E+03	4.123E+04	4.482E+02	1.129E-01	1.397E+06	3.760E+06	-1.898E-03	1.566E-03
279	4	135.75	1	9.352E+03	4.045E+04	-6.568E+02	1.147E-01	-1.371E+06	5.608E+06	-1.647E-03	-1.168E-03
279	4	135.75	2	-9.442E+03	4.046E+04	6.518E+02	1.129E-01	1.372E+06	5.608E+06	-1.647E-03	1.168E-03
279	5	181.00	1	9.353E+03	3.968E+04	-8.604E+02	1.147E-01	-1.337E+06	7.422E+06	-3.582E-11	1.482E-10
279	5	181.00	2	-9.441E+03	3.969E+04	8.554E+02	1.129E-01	1.338E+06	7.421E+06	-3.591E-11	-1.482E-10
280	1	0.00	1	-9.444E+03	4.277E+04	-2.646E+02	-1.129E-01	-1.431E+06	-4.100E+04	0.000E+00	0.000E+00
280	1	0.00	2	9.350E+03	4.277E+04	2.696E+02	-1.147E-01	1.431E+06	-4.006E+04	0.000E+00	0.000E+00
280	2	45.25	1	-9.444E+03	4.200E+04	-2.646E+02	-1.129E-01	-1.419E+06	1.877E+06	-1.198E-03	-1.170E-03
280	2	45.25	2	9.351E+03	4.199E+04	2.696E+02	-1.147E-01	1.419E+06	1.878E+06	-1.198E-03	1.170E-03
280	3	90.50	1	-9.443E+03	4.123E+04	-2.646E+02	-1.129E-01	-1.407E+06	3.760E+06	-1.898E-03	-1.556E-03
280	3	90.50	2	9.352E+03	4.122E+04	2.696E+02	-1.147E-01	1.407E+06	3.760E+06	-1.898E-03	1.556E-03
280	4	135.75	1	-9.442E+03	4.046E+04	-2.646E+02	-1.129E-01	-1.395E+06	5.608E+06	-1.647E-03	-1.164E-03
280	4	135.75	2	9.352E+03	4.045E+04	2.696E+02	-1.147E-01	1.394E+06	5.608E+06	-1.647E-03	1.164E-03
280	5	181.00	1	-9.441E+03	3.969E+04	-2.646E+02	-1.129E-01	-1.383E+06	7.421E+06	-3.591E-11	-9.379E-11
280	5	181.00	2	9.353E+03	3.968E+04	2.696E+02	-1.147E-01	1.382E+06	7.422E+06	-3.582E-11	9.381E-11
281	1	0.00	1	1.237E+04	3.231E+04	-4.490E+01	1.954E-02	-1.794E+06	7.422E+06	0.000E+00	0.000E+00
281	1	0.00	2	-1.243E+04	3.231E+04	4.644E+01	1.819E-02	1.795E+06	7.421E+06	0.000E+00	0.000E+00
281	2	127.25	1	1.237E+04	3.014E+04	-6.175E+02	1.954E-02	-1.752E+06	1.139E+07	-3.994E-02	-1.101E-02
281	2	127.25	2	-1.243E+04	3.014E+04	6.191E+02	1.819E-02	1.752E+06	1.139E+07	-3.994E-02	1.102E-02
281	3	254.50	1	1.237E+04	2.797E+04	-1.190E+03	1.954E-02	-1.637E+06	1.509E+07	-5.786E-02	-1.430E-02

281	3	254.50	2	-1.243E+04	2.797E+04	1.192E+03	1.819E-02	1.637E+06	1.509E+07	-5.786E-02	1.430E-02
281	4	381.75	1	1.238E+04	2.581E+04	-1.763E+03	1.954E-02	-1.449E+06	1.851E+07	-4.672E-02	-1.035E-02
281	4	381.75	2	-1.243E+04	2.581E+04	1.764E+03	1.819E-02	1.449E+06	1.851E+07	-4.672E-02	1.035E-02
281	5	509.00	1	1.238E+04	2.364E+04	-2.335E+03	1.954E-02	-1.188E+06	2.166E+07	-5.527E-10	1.004E-09
281	5	509.00	2	-1.242E+04	2.364E+04	2.337E+03	1.819E-02	1.188E+06	2.166E+07	-5.532E-10	-1.004E-09
282	1	0.00	1	-1.243E+04	3.231E+04	-1.080E+03	-1.820E-02	-1.840E+06	7.421E+06	0.000E+00	0.000E+00
282	1	0.00	2	1.237E+04	3.231E+04	1.079E+03	-1.954E-02	1.840E+06	7.422E+06	0.000E+00	0.000E+00
282	2	127.25	1	-1.243E+04	3.014E+04	-1.080E+03	-1.820E-02	-1.703E+06	1.139E+07	-3.994E-02	-1.057E-02
282	2	127.25	2	1.237E+04	3.014E+04	1.079E+03	-1.954E-02	1.702E+06	1.139E+07	-3.994E-02	1.057E-02
282	3	254.50	1	-1.243E+04	2.797E+04	-1.080E+03	-1.820E-02	-1.566E+06	1.509E+07	-5.786E-02	-1.369E-02
282	3	254.50	2	1.237E+04	2.797E+04	1.079E+03	-1.954E-02	1.565E+06	1.509E+07	-5.786E-02	1.369E-02
282	4	381.75	1	-1.243E+04	2.581E+04	-1.080E+03	-1.820E-02	-1.428E+06	1.851E+07	-4.672E-02	-9.970E-03
282	4	381.75	2	1.238E+04	2.581E+04	1.079E+03	-1.954E-02	1.428E+06	1.851E+07	-4.672E-02	9.969E-03
282	5	509.00	1	-1.242E+04	2.364E+04	-1.080E+03	-1.820E-02	-1.291E+06	2.166E+07	-5.532E-10	-7.966E-10
282	5	509.00	2	1.238E+04	2.364E+04	1.079E+03	-1.954E-02	1.291E+06	2.166E+07	-5.527E-10	7.971E-10
283	1	0.00	1	1.618E+04	1.404E+04	-1.127E+03	1.009E-02	-1.765E+06	2.166E+07	0.000E+00	0.000E+00
283	1	0.00	2	-1.621E+04	1.404E+04	1.131E+03	8.738E-03	1.765E+06	2.166E+07	0.000E+00	0.000E+00
283	2	127.50	1	1.618E+04	1.187E+04	-1.700E+03	1.009E-02	-1.585E+06	2.331E+07	-6.983E-02	-9.351E-03
283	2	127.50	2	-1.621E+04	1.187E+04	1.705E+03	8.738E-03	1.584E+06	2.331E+07	-6.983E-02	9.344E-03
283	3	255.00	1	1.618E+04	9.696E+03	-2.274E+03	1.009E-02	-1.332E+06	2.469E+07	-9.477E-02	-1.167E-02
283	3	255.00	2	-1.620E+04	9.699E+03	2.279E+03	8.738E-03	1.331E+06	2.469E+07	-9.477E-02	1.166E-02
283	4	382.50	1	1.619E+04	7.525E+03	-2.848E+03	1.009E-02	-1.005E+06	2.578E+07	-7.219E-02	-8.078E-03
283	4	382.50	2	-1.620E+04	7.528E+03	2.852E+03	8.738E-03	1.003E+06	2.578E+07	-7.219E-02	8.068E-03
283	5	510.00	1	1.619E+04	5.354E+03	-3.422E+03	1.009E-02	-6.056E+05	2.660E+07	-1.346E-09	2.098E-09
283	5	510.00	2	-1.620E+04	5.357E+03	3.426E+03	8.738E-03	6.032E+05	2.661E+07	-1.346E-09	-2.098E-09
284	1	0.00	1	-1.621E+04	1.404E+04	-2.289E+03	-8.738E-03	-1.868E+06	2.166E+07	0.000E+00	0.000E+00
284	1	0.00	2	1.618E+04	1.404E+04	2.284E+03	-1.009E-02	1.868E+06	2.166E+07	0.000E+00	0.000E+00
284	2	127.50	1	-1.621E+04	1.187E+04	-2.289E+03	-8.738E-03	-1.576E+06	2.331E+07	-6.983E-02	-9.098E-03
284	2	127.50	2	1.618E+04	1.187E+04	2.284E+03	-1.009E-02	1.577E+06	2.331E+07	-6.983E-02	9.105E-03
284	3	255.00	1	-1.620E+04	9.699E+03	-2.289E+03	-8.738E-03	-1.284E+06	2.469E+07	-9.477E-02	-1.128E-02
284	3	255.00	2	1.618E+04	9.696E+03	2.284E+03	-1.009E-02	1.285E+06	2.469E+07	-9.477E-02	1.129E-02
284	4	382.50	1	-1.620E+04	7.528E+03	-2.289E+03	-8.738E-03	-9.922E+05	2.578E+07	-7.219E-02	-7.817E-03
284	4	382.50	2	1.619E+04	7.525E+03	2.284E+03	-1.009E-02	9.941E+05	2.578E+07	-7.219E-02	7.826E-03
284	5	510.00	1	-1.620E+04	5.357E+03	-2.289E+03	-8.738E-03	-7.004E+05	2.661E+07	-1.346E-09	2.144E-09
284	5	510.00	2	1.619E+04	5.354E+03	2.284E+03	-1.009E-02	7.028E+05	2.660E+07	-1.346E-09	-2.143E-09
285	1	0.00	1	2.067E+04	-5.357E+03	-2.329E+03	-8.775E-03	-1.286E+06	2.661E+07	0.000E+00	0.000E+00
285	1	0.00	2	-2.066E+04	-5.354E+03	2.245E+03	-1.006E-02	1.283E+06	2.661E+07	0.000E+00	0.000E+00
285	2	127.50	1	2.067E+04	-7.528E+03	-2.903E+03	-8.775E-03	-9.525E+05	2.578E+07	-7.219E-02	-4.510E-03
285	2	127.50	2	-2.066E+04	-7.525E+03	2.819E+03	-1.006E-02	9.606E+05	2.578E+07	-7.219E-02	4.611E-03
285	3	255.00	1	2.067E+04	-9.699E+03	-3.477E+03	-8.775E-03	-5.457E+05	2.469E+07	-9.477E-02	-4.769E-03
285	3	255.00	2	-2.065E+04	-9.696E+03	3.393E+03	-1.006E-02	5.646E+05	2.469E+07	-9.477E-02	4.935E-03
285	4	382.50	1	2.068E+04	-1.187E+04	-4.050E+03	-8.775E-03	-6.589E+04	2.331E+07	-6.983E-02	-2.564E-03
285	4	382.50	2	-2.065E+04	-1.187E+04	3.966E+03	-1.006E-02	9.549E+04	2.331E+07	-6.983E-02	2.712E-03
285	5	510.00	1	2.068E+04	-1.404E+04	-4.624E+03	-8.775E-03	4.871E+05	2.166E+07	2.451E-09	1.205E-09
285	5	510.00	2	-2.065E+04	-1.404E+04	4.540E+03	-1.006E-02	-4.468E+05	2.166E+07	2.451E-09	-1.204E-09
286	1	0.00	1	-2.066E+04	-5.354E+03	-3.381E+03	1.006E-02	-1.381E+06	2.661E+07	0.000E+00	0.000E+00
286	1	0.00	2	2.067E+04	-5.357E+03	3.465E+03	8.775E-03	1.383E+06	2.661E+07	0.000E+00	0.000E+00
286	2	127.50	1	-2.066E+04	-7.525E+03	-3.381E+03	1.006E-02	-9.495E+05	2.578E+07	-7.219E-02	-4.361E-03
286	2	127.50	2	2.067E+04	-7.528E+03	3.465E+03	8.775E-03	9.414E+05	2.578E+07	-7.219E-02	4.260E-03
286	3	255.00	1	-2.065E+04	-9.696E+03	-3.381E+03	1.006E-02	-5.184E+05	2.469E+07	-9.477E-02	-4.553E-03
286	3	255.00	2	2.067E+04	-9.699E+03	3.465E+03	8.775E-03	4.995E+05	2.469E+07	-9.477E-02	4.387E-03
286	4	382.50	1	-2.065E+04	-1.187E+04	-3.381E+03	1.006E-02	-8.729E+04	2.331E+07	-6.983E-02	-2.468E-03
286	4	382.50	2	2.068E+04	-1.187E+04	3.465E+03	8.775E-03	5.768E+04	2.331E+07	-6.983E-02	2.320E-03
286	5	510.00	1	-2.065E+04	-1.404E+04	-3.381E+03	1.006E-02	3.438E+05	2.166E+07	2.451E-09	-5.161E-10
286	5	510.00	2	2.068E+04	-1.404E+04	3.465E+03	8.775E-03	-3.842E+05	2.166E+07	2.451E-09	5.149E-10
287	1	0.00	1	2.551E+04	-2.364E+04	-3.021E+03	-1.829E-02	-2.466E+05	2.166E+07	0.000E+00	0.000E+00
287	1	0.00	2	-2.546E+04	-2.364E+04	3.718E+03	-1.946E-02	2.872E+05	2.166E+07	0.000E+00	0.000E+00
287	2	127.25	1	2.551E+04	-2.581E+04	-3.594E+03	-1.829E-02	1.743E+05	1.851E+07	-4.671E-02	3.280E-03
287	2	127.25	2	-2.546E+04	-2.581E+04	4.291E+03	-1.946E-02	-2.224E+05	1.851E+07	-4.672E-02	-3.983E-03
287	3	254.50	1	2.551E+04	-2.797E+04	-4.166E+03	-1.829E-02	6.681E+05	1.509E+07	-5.785E-02	5.866E-03
287	3	254.50	2	-2.546E+04	-2.797E+04	4.863E+03	-1.946E-02	-8.048E+05	1.509E+07	-5.786E-02	-7.062E-03
287	4	381.75	1	2.551E+04	-3.014E+04	-4.739E+03	-1.829E-02	1.235E+06	1.139E+07	-3.994E-02	5.599E-03

287	4	381.75	2	-2.546E+04	-3.014E+04	5.436E+03	-1.946E-02	-1.460E+06	1.140E+07	-3.994E-02	-6.690E-03
287	5	509.00	1	2.552E+04	-3.231E+04	-5.312E+03	-1.829E-02	1.874E+06	7.420E+06	-9.714E-09	8.358E-11
287	5	509.00	2	-2.545E+04	-3.231E+04	6.008E+03	-1.946E-02	-2.188E+06	7.423E+06	-9.714E-09	-9.137E-11
288	1	0.00	1	-2.546E+04	-2.364E+04	-4.984E+03	1.946E-02	-3.902E+05	2.166E+07	0.000E+00	0.000E+00
288	1	0.00	2	2.551E+04	-2.364E+04	4.288E+03	1.829E-02	3.496E+05	2.166E+07	0.000E+00	0.000E+00
288	2	127.25	1	-2.546E+04	-2.581E+04	-4.984E+03	1.946E-02	2.440E+05	1.851E+07	-4.672E-02	4.375E-03
288	2	127.25	2	2.551E+04	-2.581E+04	4.288E+03	1.829E-02	-1.960E+05	1.851E+07	-4.671E-02	-3.672E-03
288	3	254.50	1	-2.546E+04	-2.797E+04	-4.984E+03	1.946E-02	8.783E+05	1.509E+07	-5.786E-02	7.683E-03
288	3	254.50	2	2.551E+04	-2.797E+04	4.288E+03	1.829E-02	-7.416E+05	1.509E+07	-5.785E-02	-6.487E-03
288	4	381.75	1	-2.546E+04	-3.014E+04	-4.984E+03	1.946E-02	1.513E+06	1.140E+07	-3.994E-02	7.149E-03
288	4	381.75	2	2.551E+04	-3.014E+04	4.288E+03	1.829E-02	-1.287E+06	1.139E+07	-3.994E-02	-6.059E-03
288	5	509.00	1	-2.545E+04	-3.231E+04	-4.984E+03	1.946E-02	2.147E+06	7.423E+06	-9.714E-09	2.530E-10
288	5	509.00	2	2.552E+04	-3.231E+04	4.288E+03	1.829E-02	-1.833E+06	7.420E+06	-9.714E-09	-2.452E-10
289	1	0.00	1	3.014E+04	-3.968E+04	-5.780E+03	-1.136E-01	1.171E+06	7.420E+06	0.000E+00	0.000E+00
289	1	0.00	2	-3.005E+04	-3.969E+04	3.950E+03	-1.139E-01	-1.488E+06	7.422E+06	0.000E+00	0.000E+00
289	2	45.25	1	3.014E+04	-4.045E+04	-5.984E+03	-1.136E-01	1.437E+06	5.607E+06	-1.647E-03	1.328E-03
289	2	45.25	2	-3.005E+04	-4.046E+04	4.154E+03	-1.139E-01	-1.671E+06	5.609E+06	-1.647E-03	-1.477E-03
289	3	90.50	1	3.014E+04	-4.122E+04	-6.187E+03	-1.136E-01	1.712E+06	3.759E+06	-1.897E-03	1.873E-03
289	3	90.50	2	-3.005E+04	-4.123E+04	4.357E+03	-1.139E-01	-1.864E+06	3.761E+06	-1.898E-03	-2.041E-03
289	4	135.75	1	3.014E+04	-4.199E+04	-6.391E+03	-1.136E-01	1.997E+06	1.877E+06	-1.197E-03	1.483E-03
289	4	135.75	2	-3.005E+04	-4.200E+04	4.561E+03	-1.139E-01	-2.065E+06	1.878E+06	-1.198E-03	-1.586E-03
289	5	181.00	1	3.014E+04	-4.276E+04	-6.595E+03	-1.136E-01	2.291E+06	-4.095E+04	-6.288E-10	3.242E-10
289	5	181.00	2	-3.005E+04	-4.277E+04	4.765E+03	-1.139E-01	-2.276E+06	-4.012E+04	-6.289E-10	-2.843E-10
290	1	0.00	1	-3.005E+04	-3.969E+04	-4.516E+03	1.139E-01	1.447E+06	7.422E+06	0.000E+00	0.000E+00
290	1	0.00	2	3.014E+04	-3.968E+04	6.346E+03	1.136E-01	-1.130E+06	7.420E+06	0.000E+00	0.000E+00
290	2	45.25	1	-3.005E+04	-4.046E+04	-4.516E+03	1.139E-01	1.651E+06	5.609E+06	-1.647E-03	1.483E-03
290	2	45.25	2	3.014E+04	-4.045E+04	6.346E+03	1.136E-01	-1.417E+06	5.607E+06	-1.647E-03	-1.335E-03
290	3	90.50	1	-3.005E+04	-4.123E+04	-4.516E+03	1.139E-01	1.856E+06	3.761E+06	-1.898E-03	2.053E-03
290	3	90.50	2	3.014E+04	-4.122E+04	6.346E+03	1.136E-01	-1.704E+06	3.759E+06	-1.897E-03	-1.885E-03
290	4	135.75	1	-3.005E+04	-4.200E+04	-4.516E+03	1.139E-01	2.060E+06	1.878E+06	-1.198E-03	1.596E-03
290	4	135.75	2	3.014E+04	-4.199E+04	6.346E+03	1.136E-01	-1.992E+06	1.877E+06	-1.197E-03	-1.493E-03
290	5	181.00	1	-3.005E+04	-4.277E+04	-4.516E+03	1.139E-01	2.264E+06	-4.012E+04	-6.289E-10	2.257E-10
290	5	181.00	2	3.014E+04	-4.276E+04	6.346E+03	1.136E-01	-2.279E+06	-4.095E+04	-6.288E-10	-2.655E-10
291	1	0.00	1	-1.703E+00	1.175E+03	3.105E+02	-1.589E-10	1.071E+04	-4.053E+04	0.000E+00	0.000E+00
291	1	0.00	2	-1.703E+00	1.175E+03	-3.105E+02	1.585E-10	-1.071E+04	-4.053E+04	0.000E+00	0.000E+00
291	2	17.25	1	-1.277E+00	8.812E+02	2.329E+02	-1.589E-10	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06
291	2	17.25	2	-1.277E+00	8.812E+02	-2.329E+02	1.585E-10	-6.026E+03	-2.280E+04	-9.263E-06	2.166E-06
291	3	34.50	1	-8.514E-01	5.874E+02	1.553E+02	-1.589E-10	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
291	3	34.50	2	-8.514E-01	5.874E+02	-1.553E+02	1.585E-10	-2.678E+03	-1.013E+04	-1.262E-05	3.050E-06
291	4	51.75	1	-4.257E-01	2.937E+02	7.763E+01	-1.589E-10	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06
291	4	51.75	2	-4.257E-01	2.937E+02	-7.763E+01	1.585E-10	-6.695E+02	-2.533E+03	-9.618E-06	2.382E-06
291	5	69.00	1	-3.618E-09	-3.003E-09	5.400E-10	-1.589E-10	-2.209E-08	-2.046E-07	1.621E-13	-2.432E-13
291	5	69.00	2	3.815E-09	3.400E-09	-3.730E-10	1.585E-10	1.707E-08	-6.086E-08	1.621E-13	2.432E-13
292	1	0.00	1	-1.703E+00	1.175E+03	-2.367E-09	-2.783E-10	-1.171E-07	-4.053E+04	0.000E+00	0.000E+00
292	1	0.00	2	-1.703E+00	1.175E+03	2.290E-09	2.699E-10	1.213E-07	-4.053E+04	0.000E+00	0.000E+00
292	2	17.25	1	-1.277E+00	8.812E+02	-2.367E-09	-2.783E-10	-7.628E-08	-2.280E+04	-9.263E-06	-5.936E-18
292	2	17.25	2	-1.277E+00	8.812E+02	2.290E-09	2.699E-10	8.181E-08	-2.280E+04	-9.263E-06	6.668E-18
292	3	34.50	1	-8.514E-01	5.874E+02	-2.367E-09	-2.783E-10	-3.546E-08	-1.013E+04	-1.262E-05	-5.723E-18
292	3	34.50	2	-8.514E-01	5.874E+02	2.290E-09	2.699E-10	4.231E-08	-1.013E+04	-1.262E-05	6.778E-18
292	4	51.75	1	-4.257E-01	2.937E+02	-2.367E-09	-2.783E-10	5.368E-09	-2.533E+03	-9.618E-06	-2.649E-18
292	4	51.75	2	-4.257E-01	2.937E+02	2.290E-09	2.699E-10	2.806E-09	-2.533E+03	-9.618E-06	3.499E-18
292	5	69.00	1	5.721E-09	-1.929E-10	-2.367E-09	-2.783E-10	4.619E-08	9.254E-10	1.621E-13	-2.850E-24
292	5	69.00	2	-5.815E-09	1.563E-10	2.290E-09	2.699E-10	-3.669E-08	-4.948E-08	1.621E-13	2.747E-24
293	1	0.00	1	-1.580E-09	4.913E-10	-4.568E-10	-1.306E-12	-2.639E-08	8.888E-09	0.000E+00	0.000E+00
293	1	0.00	2	1.585E-09	-9.083E-11	4.563E-10	1.300E-12	2.606E-08	4.614E-08	0.000E+00	0.000E+00
293	2	17.25	1	4.257E-01	-2.937E+02	-7.763E+01	-1.306E-12	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06
293	2	17.25	2	4.257E-01	-2.937E+02	7.763E+01	1.300E-12	-6.695E+02	-2.533E+03	-9.618E-06	2.382E-06
293	3	34.50	1	8.514E-01	-5.874E+02	-1.553E+02	-1.306E-12	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
293	3	34.50	2	8.514E-01	-5.874E+02	1.553E+02	1.300E-12	-2.678E+03	-1.013E+04	-1.262E-05	3.050E-06
293	4	51.75	1	1.277E+00	-8.812E+02	-2.329E+02	-1.306E-12	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06
293	4	51.75	2	1.277E+00	-8.812E+02	2.329E+02	1.300E-12	-6.026E+03	-2.280E+04	-9.263E-06	2.166E-06
293	5	69.00	1	1.703E+00	-1.175E+03	-3.105E+02	-1.306E-12	1.071E+04	-4.053E+04	-1.369E-14	-2.265E-15

293	5	69.00	2	1.703E+00	-1.175E+03	3.105E+02	1.300E-12	-1.071E+04	-4.053E+04	-1.369E-14	2.265E-15
294	1	0.00	1	1.718E-09	-8.239E-10	-1.399E-09	-1.484E-12	-5.954E-08	8.758E-08	0.000E+00	0.000E+00
294	1	0.00	2	-1.717E-09	7.623E-10	1.395E-09	1.490E-12	5.967E-08	5.778E-08	0.000E+00	0.000E+00
294	2	17.25	1	4.257E-01	-2.937E+02	-1.399E-09	-1.484E-12	-3.540E-08	-2.533E+03	-9.618E-06	-2.344E-18
294	2	17.25	2	4.257E-01	-2.937E+02	1.395E-09	1.490E-12	3.561E-08	-2.533E+03	-9.618E-06	2.344E-18
294	3	34.50	1	8.514E-01	-5.874E+02	-1.399E-09	-1.484E-12	-1.127E-08	-1.013E+04	-1.262E-05	-1.834E-18
294	3	34.50	2	8.514E-01	-5.874E+02	1.395E-09	1.490E-12	1.155E-08	-1.013E+04	-1.262E-05	1.834E-18
294	4	51.75	1	1.277E+00	-8.812E+02	-1.399E-09	-1.484E-12	1.287E-08	-2.280E+04	-9.263E-06	-4.070E-19
294	4	51.75	2	1.277E+00	-8.812E+02	1.395E-09	1.490E-12	-1.251E-08	-2.280E+04	-9.263E-06	4.070E-19
294	5	69.00	1	1.703E+00	-1.175E+03	-1.399E-09	-1.484E-12	3.700E-08	-4.053E+04	-1.370E-14	-5.316E-25
294	5	69.00	2	1.703E+00	-1.175E+03	1.395E-09	1.490E-12	-3.657E-08	-4.053E+04	-1.370E-14	5.316E-25
295	1	0.00	1	3.005E+04	4.277E+04	6.609E+03	1.122E-01	2.291E+06	-4.145E+04	0.000E+00	0.000E+00
295	1	0.00	2	-3.014E+04	4.276E+04	-4.750E+03	1.154E-01	-2.276E+06	-3.962E+04	0.000E+00	0.000E+00
295	2	45.25	1	3.005E+04	4.200E+04	6.405E+03	1.122E-01	1.996E+06	1.877E+06	-1.198E-03	1.482E-03
295	2	45.25	2	-3.014E+04	4.199E+04	-4.547E+03	1.154E-01	-2.066E+06	1.878E+06	-1.198E-03	-1.586E-03
295	3	90.50	1	3.005E+04	4.123E+04	6.202E+03	1.122E-01	1.711E+06	3.760E+06	-1.898E-03	1.872E-03
295	3	90.50	2	-3.014E+04	4.122E+04	-4.343E+03	1.154E-01	-1.865E+06	3.760E+06	-1.898E-03	-2.042E-03
295	4	135.75	1	3.005E+04	4.046E+04	5.998E+03	1.122E-01	1.435E+06	5.608E+06	-1.647E-03	1.327E-03
295	4	135.75	2	-3.014E+04	4.045E+04	-4.139E+03	1.154E-01	-1.673E+06	5.608E+06	-1.647E-03	-1.478E-03
295	5	181.00	1	3.005E+04	3.969E+04	5.794E+03	1.122E-01	1.168E+06	7.421E+06	-1.187E-10	2.969E-10
295	5	181.00	2	-3.014E+04	3.968E+04	-3.936E+03	1.154E-01	-1.490E+06	7.421E+06	-1.187E-10	-2.989E-10
296	1	0.00	1	-3.014E+04	4.276E+04	4.502E+03	-1.154E-01	2.264E+06	-3.962E+04	0.000E+00	0.000E+00
296	1	0.00	2	3.005E+04	4.277E+04	-6.360E+03	-1.122E-01	-2.279E+06	-4.145E+04	0.000E+00	0.000E+00
296	2	45.25	1	-3.014E+04	4.199E+04	4.502E+03	-1.154E-01	2.061E+06	1.878E+06	-1.198E-03	1.597E-03
296	2	45.25	2	3.005E+04	4.200E+04	-6.360E+03	-1.122E-01	-1.991E+06	1.877E+06	-1.198E-03	-1.492E-03
296	3	90.50	1	-3.014E+04	4.122E+04	4.502E+03	-1.154E-01	1.857E+06	3.760E+06	-1.898E-03	2.054E-03
296	3	90.50	2	3.005E+04	4.123E+04	-6.360E+03	-1.122E-01	-1.703E+06	3.760E+06	-1.898E-03	-1.884E-03
296	4	135.75	1	-3.014E+04	4.045E+04	4.502E+03	-1.154E-01	1.653E+06	5.608E+06	-1.647E-03	1.484E-03
296	4	135.75	2	3.005E+04	4.046E+04	-6.360E+03	-1.122E-01	-1.415E+06	5.608E+06	-1.647E-03	-1.333E-03
296	5	181.00	1	-3.014E+04	3.968E+04	4.502E+03	-1.154E-01	1.450E+06	7.421E+06	-1.187E-10	1.109E-10
296	5	181.00	2	3.005E+04	3.969E+04	-6.360E+03	-1.122E-01	-1.127E+06	7.421E+06	-1.187E-10	-1.089E-10
297	1	0.00	1	2.545E+04	3.231E+04	5.306E+03	1.764E-02	1.872E+06	7.421E+06	0.000E+00	0.000E+00
297	1	0.00	2	-2.552E+04	3.231E+04	-6.014E+03	2.009E-02	-2.191E+06	7.421E+06	0.000E+00	0.000E+00
297	2	127.25	1	2.546E+04	3.014E+04	4.733E+03	1.764E-02	1.233E+06	1.139E+07	-3.994E-02	5.590E-03
297	2	127.25	2	-2.551E+04	3.014E+04	-5.442E+03	2.009E-02	-1.462E+06	1.139E+07	-3.994E-02	-6.699E-03
297	3	254.50	1	2.546E+04	2.797E+04	4.160E+03	1.764E-02	6.670E+05	1.509E+07	-5.786E-02	5.857E-03
297	3	254.50	2	-2.551E+04	2.797E+04	-4.869E+03	2.009E-02	-8.059E+05	1.509E+07	-5.786E-02	-7.072E-03
297	4	381.75	1	2.546E+04	2.581E+04	3.588E+03	1.764E-02	1.740E+05	1.851E+07	-4.672E-02	3.275E-03
297	4	381.75	2	-2.551E+04	2.581E+04	-4.297E+03	2.009E-02	-2.227E+05	1.851E+07	-4.672E-02	-3.989E-03
297	5	509.00	1	2.546E+04	2.364E+04	3.015E+03	1.764E-02	-2.462E+05	2.166E+07	-1.046E-09	-1.428E-09
297	5	509.00	2	-2.551E+04	2.364E+04	-3.724E+03	2.009E-02	2.876E+05	2.166E+07	-1.046E-09	1.286E-09
298	1	0.00	1	-2.552E+04	3.231E+04	4.990E+03	-2.009E-02	2.149E+06	7.421E+06	0.000E+00	0.000E+00
298	1	0.00	2	2.545E+04	3.231E+04	-4.282E+03	-1.764E-02	-1.830E+06	7.421E+06	0.000E+00	0.000E+00
298	2	127.25	1	-2.551E+04	3.014E+04	4.990E+03	-2.009E-02	1.514E+06	1.139E+07	-3.994E-02	7.158E-03
298	2	127.25	2	2.546E+04	3.014E+04	-4.282E+03	-1.764E-02	-1.285E+06	1.139E+07	-3.994E-02	-6.050E-03
298	3	254.50	1	-2.551E+04	2.797E+04	4.990E+03	-2.009E-02	8.794E+05	1.509E+07	-5.786E-02	7.693E-03
298	3	254.50	2	2.546E+04	2.797E+04	-4.282E+03	-1.764E-02	-7.405E+05	1.509E+07	-5.786E-02	-6.477E-03
298	4	381.75	1	-2.551E+04	2.581E+04	4.990E+03	-2.009E-02	2.444E+05	1.851E+07	-4.672E-02	4.381E-03
298	4	381.75	2	2.546E+04	2.581E+04	-4.282E+03	-1.764E-02	-1.956E+05	1.851E+07	-4.672E-02	-3.667E-03
298	5	509.00	1	-2.551E+04	2.364E+04	4.990E+03	-2.009E-02	-3.906E+05	2.166E+07	-1.046E-09	1.571E-09
298	5	509.00	2	2.546E+04	2.364E+04	-4.282E+03	-1.764E-02	3.492E+05	2.166E+07	-1.046E-09	-1.429E-09
299	1	0.00	1	2.065E+04	1.404E+04	4.625E+03	8.222E-03	4.874E+05	2.166E+07	0.000E+00	0.000E+00
299	1	0.00	2	-2.068E+04	1.404E+04	-4.540E+03	1.061E-02	-4.465E+05	2.166E+07	0.000E+00	0.000E+00
299	2	127.50	1	2.065E+04	1.187E+04	4.051E+03	8.222E-03	-6.566E+04	2.331E+07	-6.983E-02	-2.562E-03
299	2	127.50	2	-2.068E+04	1.187E+04	-3.966E+03	1.061E-02	9.572E+04	2.331E+07	-6.983E-02	2.713E-03
299	3	255.00	1	2.065E+04	9.699E+03	3.477E+03	8.222E-03	-5.456E+05	2.469E+07	-9.477E-02	-4.768E-03
299	3	255.00	2	-2.067E+04	9.696E+03	-3.392E+03	1.061E-02	5.648E+05	2.469E+07	-9.477E-02	4.937E-03
299	4	382.50	1	2.066E+04	7.528E+03	2.903E+03	8.222E-03	-9.524E+05	2.578E+07	-7.219E-02	-4.509E-03
299	4	382.50	2	-2.067E+04	7.525E+03	-2.818E+03	1.061E-02	9.607E+05	2.578E+07	-7.219E-02	4.612E-03
299	5	510.00	1	2.066E+04	5.357E+03	2.330E+03	8.222E-03	-1.286E+06	2.661E+07	-1.170E-09	1.872E-10
299	5	510.00	2	-2.067E+04	5.354E+03	-2.245E+03	1.061E-02	1.283E+06	2.660E+07	-1.170E-09	-1.902E-10
300	1	0.00	1	-2.068E+04	1.404E+04	3.381E+03	-1.061E-02	3.435E+05	2.166E+07	0.000E+00	0.000E+00

300	1	0.00	2	2.065E+04	1.404E+04	-3.466E+03	-8.222E-03	-3.844E+05	2.166E+07	0.000E+00	0.000E+00
300	2	127.50	1	-2.068E+04	1.187E+04	3.381E+03	-1.061E-02	-8.751E+04	2.331E+07	-6.983E-02	-2.469E-03
300	2	127.50	2	2.065E+04	1.187E+04	-3.466E+03	-8.222E-03	5.746E+04	2.331E+07	-6.983E-02	2.319E-03
300	3	255.00	1	-2.067E+04	9.696E+03	3.381E+03	-1.061E-02	-5.186E+05	2.469E+07	-9.477E-02	-4.554E-03
300	3	255.00	2	2.065E+04	9.699E+03	-3.466E+03	-8.222E-03	4.994E+05	2.469E+07	-9.477E-02	4.385E-03
300	4	382.50	1	-2.067E+04	7.525E+03	3.381E+03	-1.061E-02	-9.496E+05	2.578E+07	-7.219E-02	-4.362E-03
300	4	382.50	2	2.066E+04	7.528E+03	-3.466E+03	-8.222E-03	9.413E+05	2.578E+07	-7.219E-02	4.259E-03
300	5	510.00	1	-2.067E+04	5.354E+03	3.381E+03	-1.061E-02	-1.381E+06	2.660E+07	-1.170E-09	-8.519E-11
300	5	510.00	2	2.066E+04	5.357E+03	-3.466E+03	-8.222E-03	1.383E+06	2.661E+07	-1.170E-09	8.814E-11
301	1	0.00	1	1.620E+04	-5.354E+03	3.421E+03	-1.057E-02	-6.057E+05	2.661E+07	0.000E+00	0.000E+00
301	1	0.00	2	-1.619E+04	-5.357E+03	-3.426E+03	-8.259E-03	6.031E+05	2.661E+07	0.000E+00	0.000E+00
301	2	127.50	1	1.620E+04	-7.525E+03	2.848E+03	-1.057E-02	-1.005E+06	2.578E+07	-7.219E-02	-8.078E-03
301	2	127.50	2	-1.619E+04	-7.528E+03	-2.853E+03	-8.259E-03	1.003E+06	2.578E+07	-7.219E-02	8.068E-03
301	3	255.00	1	1.620E+04	-9.696E+03	2.274E+03	-1.057E-02	-1.332E+06	2.469E+07	-9.477E-02	-1.167E-02
301	3	255.00	2	-1.618E+04	-9.699E+03	-2.279E+03	-8.259E-03	1.331E+06	2.469E+07	-9.477E-02	1.166E-02
301	4	382.50	1	1.621E+04	-1.187E+04	1.700E+03	-1.057E-02	-1.585E+06	2.331E+07	-6.983E-02	-9.351E-03
301	4	382.50	2	-1.618E+04	-1.187E+04	-1.705E+03	-8.259E-03	1.585E+06	2.331E+07	-6.983E-02	9.344E-03
301	5	510.00	1	1.621E+04	-1.404E+04	1.126E+03	-1.057E-02	-1.765E+06	2.166E+07	2.367E-09	2.770E-09
301	5	510.00	2	-1.618E+04	-1.404E+04	-1.131E+03	-8.259E-03	1.765E+06	2.166E+07	2.367E-09	-2.769E-09
302	1	0.00	1	-1.619E+04	-5.357E+03	2.289E+03	8.259E-03	-7.003E+05	2.661E+07	0.000E+00	0.000E+00
302	1	0.00	2	1.620E+04	-5.354E+03	-2.284E+03	1.057E-02	7.029E+05	2.661E+07	0.000E+00	0.000E+00
302	2	127.50	1	-1.619E+04	-7.528E+03	2.289E+03	8.259E-03	-9.922E+05	2.578E+07	-7.219E-02	-7.817E-03
302	2	127.50	2	1.620E+04	-7.525E+03	-2.284E+03	1.057E-02	9.941E+05	2.578E+07	-7.219E-02	7.826E-03
302	3	255.00	1	-1.618E+04	-9.699E+03	2.289E+03	8.259E-03	-1.284E+06	2.469E+07	-9.477E-02	-1.128E-02
302	3	255.00	2	1.620E+04	-9.696E+03	-2.284E+03	1.057E-02	1.285E+06	2.469E+07	-9.477E-02	1.129E-02
302	4	382.50	1	-1.618E+04	-1.187E+04	2.289E+03	8.259E-03	-1.576E+06	2.331E+07	-6.983E-02	-9.098E-03
302	4	382.50	2	1.621E+04	-1.187E+04	-2.284E+03	1.057E-02	1.577E+06	2.331E+07	-6.983E-02	9.105E-03
302	5	510.00	1	-1.618E+04	-1.404E+04	2.289E+03	8.259E-03	-1.868E+06	2.166E+07	2.367E-09	-3.057E-10
302	5	510.00	2	1.621E+04	-1.404E+04	-2.284E+03	1.057E-02	1.868E+06	2.166E+07	2.367E-09	3.048E-10
303	1	0.00	1	1.242E+04	-2.364E+04	2.337E+03	-2.000E-02	-1.188E+06	2.166E+07	0.000E+00	0.000E+00
303	1	0.00	2	-1.238E+04	-2.364E+04	-2.336E+03	-1.774E-02	1.188E+06	2.166E+07	0.000E+00	0.000E+00
303	2	127.25	1	1.243E+04	-2.581E+04	1.764E+03	-2.000E-02	-1.449E+06	1.851E+07	-4.672E-02	-1.035E-02
303	2	127.25	2	-1.238E+04	-2.581E+04	-1.763E+03	-1.774E-02	1.449E+06	1.851E+07	-4.671E-02	1.035E-02
303	3	254.50	1	1.243E+04	-2.797E+04	1.191E+03	-2.000E-02	-1.637E+06	1.509E+07	-5.786E-02	-1.430E-02
303	3	254.50	2	-1.237E+04	-2.797E+04	-1.190E+03	-1.774E-02	1.637E+06	1.509E+07	-5.785E-02	1.430E-02
303	4	381.75	1	1.243E+04	-3.014E+04	6.188E+02	-2.000E-02	-1.752E+06	1.140E+07	-3.994E-02	-1.102E-02
303	4	381.75	2	-1.237E+04	-3.014E+04	-6.178E+02	-1.774E-02	1.752E+06	1.139E+07	-3.994E-02	1.101E-02
303	5	509.00	1	1.243E+04	-3.231E+04	4.619E+01	-2.000E-02	-1.795E+06	7.422E+06	-1.006E-08	-1.107E-09
303	5	509.00	2	-1.237E+04	-3.231E+04	-4.516E+01	-1.774E-02	1.794E+06	7.420E+06	-1.006E-08	1.108E-09
304	1	0.00	1	-1.238E+04	-2.364E+04	1.079E+03	1.773E-02	-1.291E+06	2.166E+07	0.000E+00	0.000E+00
304	1	0.00	2	1.242E+04	-2.364E+04	-1.080E+03	2.001E-02	1.291E+06	2.166E+07	0.000E+00	0.000E+00
304	2	127.25	1	-1.238E+04	-2.581E+04	1.079E+03	1.773E-02	-1.428E+06	1.851E+07	-4.671E-02	-9.969E-03
304	2	127.25	2	1.243E+04	-2.581E+04	-1.080E+03	2.001E-02	1.428E+06	1.851E+07	-4.672E-02	9.971E-03
304	3	254.50	1	-1.237E+04	-2.797E+04	1.079E+03	1.773E-02	-1.565E+06	1.509E+07	-5.785E-02	-1.369E-02
304	3	254.50	2	1.243E+04	-2.797E+04	-1.080E+03	2.001E-02	1.566E+06	1.509E+07	-5.786E-02	1.369E-02
304	4	381.75	1	-1.237E+04	-3.014E+04	1.079E+03	1.773E-02	-1.702E+06	1.139E+07	-3.994E-02	-1.057E-02
304	4	381.75	2	1.243E+04	-3.014E+04	-1.080E+03	2.001E-02	1.703E+06	1.140E+07	-3.994E-02	1.057E-02
304	5	509.00	1	-1.237E+04	-3.231E+04	1.079E+03	1.773E-02	-1.840E+06	7.420E+06	-1.006E-08	2.051E-09
304	5	509.00	2	1.243E+04	-3.231E+04	-1.080E+03	2.001E-02	1.840E+06	7.422E+06	-1.006E-08	-2.052E-09
305	1	0.00	1	9.441E+03	-3.968E+04	8.557E+02	-1.147E-01	-1.338E+06	7.422E+06	0.000E+00	0.000E+00
305	1	0.00	2	-9.353E+03	-3.969E+04	-8.602E+02	-1.129E-01	1.337E+06	7.421E+06	0.000E+00	0.000E+00
305	2	45.25	1	9.442E+03	-4.045E+04	6.521E+02	-1.147E-01	-1.372E+06	5.609E+06	-1.647E-03	-1.168E-03
305	2	45.25	2	-9.352E+03	-4.046E+04	-6.566E+02	-1.129E-01	1.371E+06	5.607E+06	-1.647E-03	1.168E-03
305	3	90.50	1	9.443E+03	-4.122E+04	4.484E+02	-1.147E-01	-1.397E+06	3.761E+06	-1.898E-03	-1.566E-03
305	3	90.50	2	-9.352E+03	-4.123E+04	-4.529E+02	-1.129E-01	1.396E+06	3.759E+06	-1.897E-03	1.566E-03
305	4	135.75	1	9.444E+03	-4.199E+04	2.448E+02	-1.147E-01	-1.412E+06	1.878E+06	-1.198E-03	-1.179E-03
305	4	135.75	2	-9.351E+03	-4.200E+04	-2.493E+02	-1.129E-01	1.412E+06	1.876E+06	-1.197E-03	1.179E-03
305	5	181.00	1	9.444E+03	-4.277E+04	4.118E+01	-1.147E-01	-1.419E+06	-3.968E+04	-2.864E-10	1.657E-11
305	5	181.00	2	-9.350E+03	-4.277E+04	-4.569E+01	-1.129E-01	1.419E+06	-4.139E+04	-2.863E-10	-1.659E-11
306	1	0.00	1	-9.353E+03	-3.969E+04	2.693E+02	1.129E-01	-1.382E+06	7.421E+06	0.000E+00	0.000E+00
306	1	0.00	2	9.441E+03	-3.968E+04	-2.648E+02	1.146E-01	1.383E+06	7.422E+06	0.000E+00	0.000E+00
306	2	45.25	1	-9.352E+03	-4.046E+04	2.693E+02	1.129E-01	-1.394E+06	5.607E+06	-1.647E-03	-1.164E-03

306	2	45.25	2	9.442E+03	-4.045E+04	-2.648E+02	1.146E-01	1.395E+06	5.609E+06	-1.647E-03	1.164E-03
306	3	90.50	1	-9.352E+03	-4.123E+04	2.693E+02	1.129E-01	-1.407E+06	3.759E+06	-1.897E-03	-1.556E-03
306	3	90.50	2	9.443E+03	-4.122E+04	-2.648E+02	1.146E-01	1.407E+06	3.761E+06	-1.898E-03	1.556E-03
306	4	135.75	1	-9.351E+03	-4.200E+04	2.693E+02	1.129E-01	-1.419E+06	1.876E+06	-1.197E-03	-1.170E-03
306	4	135.75	2	9.444E+03	-4.199E+04	-2.648E+02	1.146E-01	1.419E+06	1.878E+06	-1.198E-03	1.170E-03
306	5	181.00	1	-9.350E+03	-4.277E+04	2.693E+02	1.129E-01	-1.431E+06	-4.139E+04	-2.863E-10	-2.435E-10
306	5	181.00	2	9.444E+03	-4.277E+04	-2.648E+02	1.146E-01	1.431E+06	-3.968E+04	-2.864E-10	2.435E-10
307	1	0.00	1	1.933E-12	1.175E+03	3.105E+02	1.636E-15	1.071E+04	-4.053E+04	0.000E+00	0.000E+00
307	1	0.00	2	1.933E-12	1.175E+03	-3.105E+02	7.483E-16	-1.071E+04	-4.053E+04	0.000E+00	0.000E+00
307	2	17.25	1	1.933E-12	8.812E+02	2.329E+02	1.636E-15	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06
307	2	17.25	2	1.933E-12	8.812E+02	-2.329E+02	7.483E-16	-6.026E+03	-2.280E+04	-9.263E-06	2.166E-06
307	3	34.50	1	1.933E-12	5.874E+02	1.552E+02	1.636E-15	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
307	3	34.50	2	1.933E-12	5.874E+02	-1.552E+02	7.483E-16	-2.678E+03	-1.013E+04	-1.262E-05	3.050E-06
307	4	51.75	1	1.933E-12	2.937E+02	7.762E+01	1.636E-15	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06
307	4	51.75	2	1.933E-12	2.937E+02	-7.762E+01	7.483E-16	-6.695E+02	-2.533E+03	-9.618E-06	2.382E-06
307	5	69.00	1	1.933E-12	-8.623E-10	-5.681E-08	1.636E-15	2.847E-06	-6.456E-08	3.799E-13	1.376E-13
307	5	69.00	2	1.933E-12	1.262E-09	5.681E-08	7.483E-16	-2.847E-06	-5.953E-08	3.799E-13	-1.376E-13
308	1	0.00	1	-7.439E-09	1.175E+03	9.779E-09	-3.293E-15	9.288E-07	-4.053E+04	0.000E+00	0.000E+00
308	1	0.00	2	7.462E-09	1.175E+03	-9.779E-09	2.924E-15	-9.785E-07	-4.053E+04	0.000E+00	0.000E+00
308	2	17.25	1	-7.439E-09	8.812E+02	9.779E-09	-3.293E-15	7.601E-07	-2.280E+04	-9.263E-06	7.813E-17
308	2	17.25	2	7.462E-09	8.812E+02	-9.779E-09	2.924E-15	-8.098E-07	-2.280E+04	-9.263E-06	-8.404E-17
308	3	34.50	1	-7.439E-09	5.874E+02	9.779E-09	-3.293E-15	5.914E-07	-1.013E+04	-1.262E-05	9.513E-17
308	3	34.50	2	7.462E-09	5.874E+02	-9.779E-09	2.924E-15	-6.412E-07	-1.013E+04	-1.262E-05	-1.030E-16
308	4	51.75	1	-7.439E-09	2.937E+02	9.779E-09	-3.293E-15	4.228E-07	-2.533E+03	-9.618E-06	6.457E-17
308	4	51.75	2	7.462E-09	2.937E+02	-9.779E-09	2.924E-15	-4.725E-07	-2.533E+03	-9.618E-06	-7.048E-17
308	5	69.00	1	-7.439E-09	1.135E-09	9.779E-09	-3.293E-15	2.541E-07	2.018E-07	3.799E-13	-7.537E-24
308	5	69.00	2	7.462E-09	1.091E-09	-9.779E-09	2.924E-15	-3.038E-07	2.137E-07	3.799E-13	7.207E-24
309	1	0.00	1	-9.371E-10	-6.529E-10	-1.279E-09	0.000E+00	-8.048E-07	8.110E-08	0.000E+00	0.000E+00
309	1	0.00	2	9.256E-10	5.695E-10	1.283E-09	0.000E+00	8.046E-07	3.640E-08	0.000E+00	0.000E+00
309	2	17.25	1	-9.371E-10	-2.937E+02	-7.763E+01	0.000E+00	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06
309	2	17.25	2	9.256E-10	-2.937E+02	7.763E+01	0.000E+00	-6.695E+02	-2.533E+03	-9.618E-06	2.382E-06
309	3	34.50	1	-9.371E-10	-5.874E+02	-1.553E+02	0.000E+00	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
309	3	34.50	2	9.256E-10	-5.874E+02	1.553E+02	0.000E+00	-2.678E+03	-1.013E+04	-1.262E-05	3.050E-06
309	4	51.75	1	-9.371E-10	-8.812E+02	-2.329E+02	0.000E+00	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06
309	4	51.75	2	9.256E-10	-8.812E+02	2.329E+02	0.000E+00	-6.026E+03	-2.280E+04	-9.263E-06	2.166E-06
309	5	69.00	1	-9.371E-10	-1.175E+03	-3.105E+02	0.000E+00	1.071E+04	-4.053E+04	7.484E-15	2.935E-15
309	5	69.00	2	9.256E-10	-1.175E+03	3.105E+02	0.000E+00	-1.071E+04	-4.053E+04	7.484E-15	-2.935E-15
310	1	0.00	1	9.301E-10	1.947E-12	3.142E-09	0.000E+00	-6.113E-07	4.897E-08	0.000E+00	0.000E+00
310	1	0.00	2	-9.325E-10	1.947E-12	-3.144E-09	0.000E+00	6.106E-07	4.152E-08	0.000E+00	0.000E+00
310	2	17.25	1	9.301E-10	-2.937E+02	3.142E-09	0.000E+00	-6.655E-07	-2.533E+03	-9.618E-06	-8.455E-17
310	2	17.25	2	-9.325E-10	-2.937E+02	-3.144E-09	0.000E+00	6.648E-07	-2.533E+03	-9.618E-06	8.455E-17
310	3	34.50	1	9.301E-10	-5.874E+02	3.142E-09	0.000E+00	-7.197E-07	-1.013E+04	-1.262E-05	-1.156E-16
310	3	34.50	2	-9.325E-10	-5.874E+02	-3.144E-09	0.000E+00	7.190E-07	-1.013E+04	-1.262E-05	1.156E-16
310	4	51.75	1	9.301E-10	-8.812E+02	3.142E-09	0.000E+00	-7.739E-07	-2.280E+04	-9.263E-06	-8.891E-17
310	4	51.75	2	-9.325E-10	-8.812E+02	-3.144E-09	0.000E+00	7.733E-07	-2.280E+04	-9.263E-06	8.891E-17
310	5	69.00	1	9.301E-10	-1.175E+03	3.142E-09	0.000E+00	-8.281E-07	-4.053E+04	7.487E-15	7.572E-24
310	5	69.00	2	-9.325E-10	-1.175E+03	-3.144E-09	0.000E+00	8.275E-07	-4.053E+04	7.487E-15	-7.572E-24
311	1	0.00	1	9.350E+03	4.277E+04	-4.592E+01	1.145E-01	-1.419E+06	-4.021E+04	0.000E+00	0.000E+00
311	1	0.00	2	-9.444E+03	4.277E+04	4.095E+01	1.131E-01	1.419E+06	-4.086E+04	0.000E+00	0.000E+00
311	2	45.25	1	9.351E+03	4.200E+04	-2.495E+02	1.145E-01	-1.412E+06	1.878E+06	-1.198E-03	-1.179E-03
311	2	45.25	2	-9.444E+03	4.200E+04	2.446E+02	1.131E-01	1.412E+06	1.877E+06	-1.198E-03	1.179E-03
311	3	90.50	1	9.352E+03	4.122E+04	-4.532E+02	1.145E-01	-1.396E+06	3.760E+06	-1.898E-03	-1.566E-03
311	3	90.50	2	-9.443E+03	4.123E+04	4.482E+02	1.131E-01	1.397E+06	3.760E+06	-1.898E-03	1.566E-03
311	4	135.75	1	9.352E+03	4.045E+04	-6.568E+02	1.145E-01	-1.371E+06	5.608E+06	-1.647E-03	-1.168E-03
311	4	135.75	2	-9.442E+03	4.046E+04	6.518E+02	1.131E-01	1.372E+06	5.608E+06	-1.647E-03	1.168E-03
311	5	181.00	1	9.353E+03	3.968E+04	-8.604E+02	1.145E-01	-1.337E+06	7.421E+06	-3.580E-11	1.443E-10
311	5	181.00	2	-9.441E+03	3.969E+04	8.554E+02	1.131E-01	1.338E+06	7.421E+06	-3.593E-11	-1.443E-10
312	1	0.00	1	-9.444E+03	4.277E+04	-2.646E+02	-1.131E-01	-1.431E+06	-4.086E+04	0.000E+00	0.000E+00
312	1	0.00	2	9.350E+03	4.277E+04	2.696E+02	-1.145E-01	1.431E+06	-4.021E+04	0.000E+00	0.000E+00
312	2	45.25	1	-9.444E+03	4.200E+04	-2.646E+02	-1.131E-01	-1.419E+06	1.877E+06	-1.198E-03	-1.170E-03
312	2	45.25	2	9.351E+03	4.200E+04	2.696E+02	-1.145E-01	1.419E+06	1.878E+06	-1.198E-03	1.170E-03
312	3	90.50	1	-9.443E+03	4.123E+04	-2.646E+02	-1.131E-01	-1.407E+06	3.760E+06	-1.898E-03	-1.556E-03

312	3	90.50	2	9.352E+03	4.122E+04	2.696E+02	-1.145E-01	1.407E+06	3.760E+06	-1.898E-03	1.556E-03
312	4	135.75	1	-9.442E+03	4.046E+04	-2.646E+02	-1.131E-01	-1.395E+06	5.608E+06	-1.647E-03	-1.164E-03
312	4	135.75	2	9.352E+03	4.045E+04	2.696E+02	-1.145E-01	1.394E+06	5.608E+06	-1.647E-03	1.164E-03
312	5	181.00	1	-9.441E+03	3.969E+04	-2.646E+02	-1.131E-01	-1.383E+06	7.421E+06	-3.593E-11	-9.772E-11
312	5	181.00	2	9.353E+03	3.968E+04	2.696E+02	-1.145E-01	1.382E+06	7.421E+06	-3.580E-11	9.774E-11
313	1	0.00	1	1.237E+04	3.231E+04	-4.490E+01	1.935E-02	-1.794E+06	7.422E+06	0.000E+00	0.000E+00
313	1	0.00	2	-1.243E+04	3.231E+04	4.644E+01	1.839E-02	1.795E+06	7.421E+06	0.000E+00	0.000E+00
313	2	127.25	1	1.237E+04	3.014E+04	-6.175E+02	1.935E-02	-1.752E+06	1.139E+07	-3.994E-02	-1.101E-02
313	2	127.25	2	-1.243E+04	3.014E+04	6.191E+02	1.839E-02	1.752E+06	1.139E+07	-3.994E-02	1.102E-02
313	3	254.50	1	1.237E+04	2.797E+04	-1.190E+03	1.935E-02	-1.637E+06	1.509E+07	-5.786E-02	-1.430E-02
313	3	254.50	2	-1.243E+04	2.797E+04	1.192E+03	1.839E-02	1.637E+06	1.509E+07	-5.786E-02	1.430E-02
313	4	381.75	1	1.238E+04	2.581E+04	-1.763E+03	1.935E-02	-1.449E+06	1.851E+07	-4.672E-02	-1.035E-02
313	4	381.75	2	-1.243E+04	2.581E+04	1.764E+03	1.839E-02	1.449E+06	1.851E+07	-4.672E-02	1.035E-02
313	5	509.00	1	1.238E+04	2.364E+04	-2.335E+03	1.935E-02	-1.188E+06	2.166E+07	-5.528E-10	9.654E-10
313	5	509.00	2	-1.242E+04	2.364E+04	2.337E+03	1.839E-02	1.188E+06	2.166E+07	-5.531E-10	-9.659E-10
314	1	0.00	1	-1.243E+04	3.231E+04	-1.080E+03	-1.839E-02	-1.840E+06	7.421E+06	0.000E+00	0.000E+00
314	1	0.00	2	1.237E+04	3.231E+04	1.079E+03	-1.935E-02	1.840E+06	7.422E+06	0.000E+00	0.000E+00
314	2	127.25	1	-1.243E+04	3.014E+04	-1.080E+03	-1.839E-02	-1.703E+06	1.139E+07	-3.994E-02	-1.057E-02
314	2	127.25	2	1.237E+04	3.014E+04	1.079E+03	-1.935E-02	1.702E+06	1.139E+07	-3.994E-02	1.057E-02
314	3	254.50	1	-1.243E+04	2.797E+04	-1.080E+03	-1.839E-02	-1.566E+06	1.509E+07	-5.786E-02	-1.369E-02
314	3	254.50	2	1.237E+04	2.797E+04	1.079E+03	-1.935E-02	1.565E+06	1.509E+07	-5.786E-02	1.369E-02
314	4	381.75	1	-1.243E+04	2.581E+04	-1.080E+03	-1.839E-02	-1.428E+06	1.851E+07	-4.672E-02	-9.970E-03
314	4	381.75	2	1.238E+04	2.581E+04	1.079E+03	-1.935E-02	1.428E+06	1.851E+07	-4.672E-02	9.969E-03
314	5	509.00	1	-1.242E+04	2.364E+04	-1.080E+03	-1.839E-02	-1.291E+06	2.166E+07	-5.531E-10	-8.350E-10
314	5	509.00	2	1.238E+04	2.364E+04	1.079E+03	-1.935E-02	1.291E+06	2.166E+07	-5.528E-10	8.355E-10
315	1	0.00	1	1.618E+04	1.404E+04	-1.127E+03	9.897E-03	-1.765E+06	2.166E+07	0.000E+00	0.000E+00
315	1	0.00	2	-1.621E+04	1.404E+04	1.131E+03	8.935E-03	1.765E+06	2.166E+07	0.000E+00	0.000E+00
315	2	127.50	1	1.618E+04	1.187E+04	-1.700E+03	9.897E-03	-1.585E+06	2.331E+07	-6.983E-02	-9.351E-03
315	2	127.50	2	-1.621E+04	1.187E+04	1.705E+03	8.935E-03	1.584E+06	2.331E+07	-6.983E-02	9.344E-03
315	3	255.00	1	1.618E+04	9.697E+03	-2.274E+03	9.897E-03	-1.332E+06	2.469E+07	-9.477E-02	-1.167E-02
315	3	255.00	2	-1.620E+04	9.698E+03	2.279E+03	8.935E-03	1.331E+06	2.469E+07	-9.477E-02	1.166E-02
315	4	382.50	1	1.619E+04	7.526E+03	-2.848E+03	9.897E-03	-1.005E+06	2.578E+07	-7.219E-02	-8.078E-03
315	4	382.50	2	-1.620E+04	7.527E+03	2.852E+03	8.935E-03	1.003E+06	2.578E+07	-7.219E-02	8.068E-03
315	5	510.00	1	1.619E+04	5.355E+03	-3.422E+03	9.897E-03	-6.056E+05	2.660E+07	-1.346E-09	2.055E-09
315	5	510.00	2	-1.620E+04	5.356E+03	3.426E+03	8.935E-03	6.032E+05	2.661E+07	-1.346E-09	-2.056E-09
316	1	0.00	1	-1.621E+04	1.404E+04	-2.289E+03	-8.935E-03	-1.868E+06	2.166E+07	0.000E+00	0.000E+00
316	1	0.00	2	1.618E+04	1.404E+04	2.284E+03	-9.897E-03	1.868E+06	2.166E+07	0.000E+00	0.000E+00
316	2	127.50	1	-1.621E+04	1.187E+04	-2.289E+03	-8.935E-03	-1.576E+06	2.331E+07	-6.983E-02	-9.098E-03
316	2	127.50	2	1.618E+04	1.187E+04	2.284E+03	-9.897E-03	1.577E+06	2.331E+07	-6.983E-02	9.105E-03
316	3	255.00	1	-1.620E+04	9.698E+03	-2.289E+03	-8.935E-03	-1.284E+06	2.469E+07	-9.477E-02	-1.128E-02
316	3	255.00	2	1.618E+04	9.697E+03	2.284E+03	-9.897E-03	1.285E+06	2.469E+07	-9.477E-02	1.129E-02
316	4	382.50	1	-1.620E+04	7.527E+03	-2.289E+03	-8.935E-03	-9.922E+05	2.578E+07	-7.219E-02	-7.817E-03
316	4	382.50	2	1.619E+04	7.526E+03	2.284E+03	-9.897E-03	9.941E+05	2.578E+07	-7.219E-02	7.826E-03
316	5	510.00	1	-1.620E+04	5.356E+03	-2.289E+03	-8.935E-03	-7.004E+05	2.661E+07	-1.346E-09	2.102E-09
316	5	510.00	2	1.619E+04	5.355E+03	2.284E+03	-9.897E-03	7.028E+05	2.660E+07	-1.346E-09	-2.101E-09
317	1	0.00	1	2.067E+04	-5.356E+03	-2.329E+03	-8.972E-03	-1.286E+06	2.660E+07	0.000E+00	0.000E+00
317	1	0.00	2	-2.066E+04	-5.355E+03	2.245E+03	-9.862E-03	1.283E+06	2.661E+07	0.000E+00	0.000E+00
317	2	127.50	1	2.067E+04	-7.527E+03	-2.903E+03	-8.972E-03	-9.525E+05	2.578E+07	-7.219E-02	-4.510E-03
317	2	127.50	2	-2.066E+04	-7.526E+03	2.819E+03	-9.862E-03	9.606E+05	2.578E+07	-7.219E-02	4.611E-03
317	3	255.00	1	2.067E+04	-9.698E+03	-3.477E+03	-8.972E-03	-5.457E+05	2.469E+07	-9.477E-02	-4.769E-03
317	3	255.00	2	-2.065E+04	-9.697E+03	3.393E+03	-9.862E-03	5.646E+05	2.469E+07	-9.477E-02	4.935E-03
317	4	382.50	1	2.068E+04	-1.187E+04	-4.050E+03	-8.972E-03	-6.589E+04	2.331E+07	-6.983E-02	-2.564E-03
317	4	382.50	2	-2.065E+04	-1.187E+04	3.966E+03	-9.862E-03	9.549E+04	2.331E+07	-6.983E-02	2.712E-03
317	5	510.00	1	2.068E+04	-1.404E+04	-4.624E+03	-8.972E-03	4.871E+05	2.166E+07	2.451E-09	1.163E-09
317	5	510.00	2	-2.065E+04	-1.404E+04	4.540E+03	-9.862E-03	-4.468E+05	2.166E+07	2.451E-09	-1.162E-09
318	1	0.00	1	-2.066E+04	-5.355E+03	-3.381E+03	9.862E-03	-1.381E+06	2.661E+07	0.000E+00	0.000E+00
318	1	0.00	2	2.067E+04	-5.356E+03	3.465E+03	8.972E-03	1.383E+06	2.660E+07	0.000E+00	0.000E+00
318	2	127.50	1	-2.066E+04	-7.526E+03	-3.381E+03	9.862E-03	-9.495E+05	2.578E+07	-7.219E-02	-4.361E-03
318	2	127.50	2	2.067E+04	-7.527E+03	3.465E+03	8.972E-03	9.414E+05	2.578E+07	-7.219E-02	4.260E-03
318	3	255.00	1	-2.065E+04	-9.697E+03	-3.381E+03	9.862E-03	-5.184E+05	2.469E+07	-9.477E-02	-4.553E-03
318	3	255.00	2	2.067E+04	-9.698E+03	3.465E+03	8.972E-03	4.995E+05	2.469E+07	-9.477E-02	4.387E-03
318	4	382.50	1	-2.065E+04	-1.187E+04	-3.381E+03	9.862E-03	-8.729E+04	2.331E+07	-6.983E-02	-2.468E-03

318	4	382.50	2	2.068E+04	-1.187E+04	3.465E+03	8.972E-03	5.768E+04	2.331E+07	-6.983E-02	2.320E-03
318	5	510.00	1	-2.065E+04	-1.404E+04	-3.381E+03	9.862E-03	3.438E+05	2.166E+07	2.451E-09	-5.584E-10
318	5	510.00	2	2.068E+04	-1.404E+04	3.465E+03	8.972E-03	-3.842E+05	2.166E+07	2.451E-09	5.572E-10
319	1	0.00	1	2.551E+04	-2.364E+04	-3.021E+03	-1.848E-02	-2.466E+05	2.166E+07	0.000E+00	0.000E+00
319	1	0.00	2	-2.546E+04	-2.364E+04	3.718E+03	-1.926E-02	2.872E+05	2.166E+07	0.000E+00	0.000E+00
319	2	127.25	1	2.551E+04	-2.581E+04	-3.594E+03	-1.848E-02	1.743E+05	1.851E+07	-4.671E-02	3.280E-03
319	2	127.25	2	-2.546E+04	-2.581E+04	4.291E+03	-1.926E-02	-2.224E+05	1.851E+07	-4.672E-02	-3.983E-03
319	3	254.50	1	2.551E+04	-2.797E+04	-4.166E+03	-1.848E-02	6.681E+05	1.509E+07	-5.785E-02	5.866E-03
319	3	254.50	2	-2.546E+04	-2.797E+04	4.863E+03	-1.926E-02	-8.048E+05	1.509E+07	-5.786E-02	-7.062E-03
319	4	381.75	1	2.551E+04	-3.014E+04	-4.739E+03	-1.848E-02	1.235E+06	1.139E+07	-3.994E-02	5.599E-03
319	4	381.75	2	-2.546E+04	-3.014E+04	5.436E+03	-1.926E-02	-1.460E+06	1.140E+07	-3.994E-02	-6.690E-03
319	5	509.00	1	2.552E+04	-3.231E+04	-5.312E+03	-1.848E-02	1.874E+06	7.420E+06	-9.713E-09	4.486E-11
319	5	509.00	2	-2.545E+04	-3.231E+04	6.008E+03	-1.926E-02	-2.188E+06	7.422E+06	-9.714E-09	-5.266E-11
320	1	0.00	1	-2.546E+04	-2.364E+04	-4.984E+03	1.926E-02	-3.902E+05	2.166E+07	0.000E+00	0.000E+00
320	1	0.00	2	2.551E+04	-2.364E+04	4.288E+03	1.848E-02	3.496E+05	2.166E+07	0.000E+00	0.000E+00
320	2	127.25	1	-2.546E+04	-2.581E+04	-4.984E+03	1.926E-02	2.440E+05	1.851E+07	-4.672E-02	4.375E-03
320	2	127.25	2	2.551E+04	-2.581E+04	4.288E+03	1.848E-02	-1.960E+05	1.851E+07	-4.671E-02	-3.672E-03
320	3	254.50	1	-2.546E+04	-2.797E+04	-4.984E+03	1.926E-02	8.783E+05	1.509E+07	-5.786E-02	7.683E-03
320	3	254.50	2	2.551E+04	-2.797E+04	4.288E+03	1.848E-02	-7.416E+05	1.509E+07	-5.785E-02	-6.487E-03
320	4	381.75	1	-2.546E+04	-3.014E+04	-4.984E+03	1.926E-02	1.513E+06	1.140E+07	-3.994E-02	7.149E-03
320	4	381.75	2	2.551E+04	-3.014E+04	4.288E+03	1.848E-02	-1.287E+06	1.139E+07	-3.994E-02	-6.059E-03
320	5	509.00	1	-2.545E+04	-3.231E+04	-4.984E+03	1.926E-02	2.147E+06	7.422E+06	-9.714E-09	2.146E-10
320	5	509.00	2	2.552E+04	-3.231E+04	4.288E+03	1.848E-02	-1.833E+06	7.420E+06	-9.713E-09	-2.068E-10
321	1	0.00	1	3.014E+04	-3.968E+04	-5.780E+03	-1.138E-01	1.171E+06	7.420E+06	0.000E+00	0.000E+00
321	1	0.00	2	-3.005E+04	-3.969E+04	3.950E+03	-1.137E-01	-1.488E+06	7.422E+06	0.000E+00	0.000E+00
321	2	45.25	1	3.014E+04	-4.045E+04	-5.984E+03	-1.138E-01	1.437E+06	5.607E+06	-1.647E-03	1.328E-03
321	2	45.25	2	-3.005E+04	-4.046E+04	4.154E+03	-1.137E-01	-1.671E+06	5.609E+06	-1.647E-03	-1.477E-03
321	3	90.50	1	3.014E+04	-4.122E+04	-6.187E+03	-1.138E-01	1.712E+06	3.759E+06	-1.897E-03	1.873E-03
321	3	90.50	2	-3.005E+04	-4.123E+04	4.357E+03	-1.137E-01	-1.864E+06	3.761E+06	-1.898E-03	-2.041E-03
321	4	135.75	1	3.014E+04	-4.199E+04	-6.391E+03	-1.138E-01	1.997E+06	1.877E+06	-1.197E-03	1.483E-03
321	4	135.75	2	-3.005E+04	-4.200E+04	4.561E+03	-1.137E-01	-2.065E+06	1.878E+06	-1.198E-03	-1.586E-03
321	5	181.00	1	3.014E+04	-4.276E+04	-6.595E+03	-1.138E-01	2.291E+06	-4.081E+04	-6.289E-10	3.202E-10
321	5	181.00	2	-3.005E+04	-4.277E+04	4.765E+03	-1.137E-01	-2.276E+06	-4.026E+04	-6.289E-10	-2.804E-10
322	1	0.00	1	-3.005E+04	-3.969E+04	-4.516E+03	1.137E-01	1.447E+06	7.422E+06	0.000E+00	0.000E+00
322	1	0.00	2	3.014E+04	-3.968E+04	6.346E+03	1.138E-01	-1.130E+06	7.420E+06	0.000E+00	0.000E+00
322	2	45.25	1	-3.005E+04	-4.046E+04	-4.516E+03	1.137E-01	1.651E+06	5.609E+06	-1.647E-03	1.483E-03
322	2	45.25	2	3.014E+04	-4.045E+04	6.346E+03	1.138E-01	-1.417E+06	5.607E+06	-1.647E-03	-1.335E-03
322	3	90.50	1	-3.005E+04	-4.123E+04	-4.516E+03	1.137E-01	1.856E+06	3.761E+06	-1.898E-03	2.053E-03
322	3	90.50	2	3.014E+04	-4.122E+04	6.346E+03	1.138E-01	-1.704E+06	3.759E+06	-1.897E-03	-1.885E-03
322	4	135.75	1	-3.005E+04	-4.200E+04	-4.516E+03	1.137E-01	2.060E+06	1.878E+06	-1.198E-03	1.596E-03
322	4	135.75	2	3.014E+04	-4.199E+04	6.346E+03	1.138E-01	-1.992E+06	1.877E+06	-1.197E-03	-1.493E-03
322	5	181.00	1	-3.005E+04	-4.277E+04	-4.516E+03	1.137E-01	2.264E+06	-4.026E+04	-6.289E-10	2.217E-10
322	5	181.00	2	3.014E+04	-4.276E+04	6.346E+03	1.138E-01	-2.279E+06	-4.081E+04	-6.289E-10	-2.615E-10
323	1	0.00	1	-1.703E+00	1.175E+03	3.105E+02	3.910E-11	1.071E+04	-4.053E+04	0.000E+00	0.000E+00
323	1	0.00	2	-1.703E+00	1.175E+03	-3.105E+02	-4.379E-11	-1.071E+04	-4.053E+04	0.000E+00	0.000E+00
323	2	17.25	1	-1.277E+00	8.812E+02	2.329E+02	3.910E-11	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06
323	2	17.25	2	-1.277E+00	8.812E+02	-2.329E+02	-4.379E-11	-6.026E+03	-2.280E+04	-9.263E-06	2.166E-06
323	3	34.50	1	-8.514E-01	5.874E+02	1.553E+02	3.910E-11	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
323	3	34.50	2	-8.514E-01	5.874E+02	-1.553E+02	-4.379E-11	-2.678E+03	-1.013E+04	-1.262E-05	3.050E-06
323	4	51.75	1	-4.257E-01	2.937E+02	7.763E+01	3.910E-11	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06
323	4	51.75	2	-4.257E-01	2.937E+02	-7.763E+01	-4.379E-11	-6.695E+02	-2.533E+03	-9.618E-06	2.382E-06
323	5	69.00	1	1.893E-09	-1.295E-09	1.252E-09	3.910E-11	1.365E-08	-1.869E-07	1.621E-13	-2.431E-13
323	5	69.00	2	-1.771E-09	1.470E-09	-1.524E-09	-4.379E-11	2.514E-09	7.608E-09	1.621E-13	2.431E-13
324	1	0.00	1	-1.703E+00	1.175E+03	-8.590E-10	1.973E-10	-1.653E-07	-4.053E+04	0.000E+00	0.000E+00
324	1	0.00	2	-1.703E+00	1.175E+03	1.004E-09	-1.518E-10	1.625E-07	-4.053E+04	0.000E+00	0.000E+00
324	2	17.25	1	-1.277E+00	8.812E+02	-8.590E-10	1.973E-10	-1.505E-07	-2.280E+04	-9.263E-06	-1.693E-17
324	2	17.25	2	-1.277E+00	8.812E+02	1.004E-09	-1.518E-10	1.452E-07	-2.280E+04	-9.263E-06	1.614E-17
324	3	34.50	1	-8.514E-01	5.874E+02	-8.590E-10	1.973E-10	-1.357E-07	-1.013E+04	-1.262E-05	-2.177E-17
324	3	34.50	2	-8.514E-01	5.874E+02	1.004E-09	-1.518E-10	1.279E-07	-1.013E+04	-1.262E-05	2.060E-17
324	4	51.75	1	-4.257E-01	2.937E+02	-8.590E-10	1.973E-10	-1.209E-07	-2.533E+03	-9.618E-06	-1.572E-17
324	4	51.75	2	-4.257E-01	2.937E+02	1.004E-09	-1.518E-10	1.105E-07	-2.533E+03	-9.618E-06	1.476E-17
324	5	69.00	1	-1.755E-10	-1.020E-10	-8.590E-10	1.973E-10	-1.061E-07	1.031E-07	1.621E-13	3.725E-14

324	5	69.00	2	3.483E-10	-1.893E-10	1.004E-09	-1.518E-10	9.323E-08	5.985E-08	1.621E-13	-3.696E-24
325	1	0.00	1	5.040E-10	2.311E-10	5.918E-10	5.231E-14	-2.432E-08	1.634E-08	0.000E+00	0.000E+00
325	1	0.00	2	-5.000E-10	-1.909E-10	-5.906E-10	-5.094E-14	2.441E-08	3.496E-08	0.000E+00	0.000E+00
325	2	17.25	1	4.257E-01	-2.937E+02	-7.763E+01	5.231E-14	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06
325	2	17.25	2	4.257E-01	-2.937E+02	7.763E+01	-5.094E-14	-6.695E+02	-2.533E+03	-9.618E-06	2.382E-06
325	3	34.50	1	8.514E-01	-5.874E+02	-1.553E+02	5.231E-14	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
325	3	34.50	2	8.514E-01	-5.874E+02	1.553E+02	-5.094E-14	-2.678E+03	-1.013E+04	-1.262E-05	3.050E-06
325	4	51.75	1	1.277E+00	-8.812E+02	-2.329E+02	5.231E-14	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06
325	4	51.75	2	1.277E+00	-8.812E+02	2.329E+02	-5.094E-14	-6.026E+03	-2.280E+04	-9.263E-06	2.166E-06
325	5	69.00	1	1.703E+00	-1.175E+03	-3.105E+02	5.231E-14	1.071E+04	-4.053E+04	-1.369E-14	-2.278E-15
325	5	69.00	2	1.703E+00	-1.175E+03	3.105E+02	-5.094E-14	-1.071E+04	-4.053E+04	-1.369E-14	2.278E-15
326	1	0.00	1	2.101E-10	-3.237E-10	-2.072E-10	3.598E-15	9.261E-09	3.357E-08	0.000E+00	0.000E+00
326	1	0.00	2	-2.046E-10	2.559E-11	2.003E-10	-1.986E-15	-9.365E-09	-7.410E-09	0.000E+00	0.000E+00
326	2	17.25	1	4.257E-01	-2.937E+02	-2.072E-10	3.598E-15	1.284E-08	-2.533E+03	-9.618E-06	1.829E-18
326	2	17.25	2	4.257E-01	-2.937E+02	2.003E-10	-1.986E-15	-1.282E-08	-2.533E+03	-9.618E-06	-1.829E-18
326	3	34.50	1	8.514E-01	-5.874E+02	-2.072E-10	3.598E-15	1.641E-08	-1.013E+04	-1.262E-05	2.627E-18
326	3	34.50	2	8.514E-01	-5.874E+02	2.003E-10	-1.986E-15	-1.627E-08	-1.013E+04	-1.262E-05	-2.627E-18
326	4	51.75	1	1.277E+00	-8.812E+02	-2.072E-10	3.598E-15	1.998E-08	-2.280E+04	-9.263E-06	2.111E-18
326	4	51.75	2	1.277E+00	-8.812E+02	2.003E-10	-1.986E-15	-1.973E-08	-2.280E+04	-9.263E-06	-2.111E-18
326	5	69.00	1	1.703E+00	-1.175E+03	-2.072E-10	3.598E-15	2.356E-08	-4.053E+04	-1.369E-14	2.613E-25
326	5	69.00	2	1.703E+00	-1.175E+03	2.003E-10	-1.986E-15	-2.318E-08	-4.053E+04	-1.369E-14	-2.613E-25
327	1	0.00	1	3.005E+04	4.277E+04	6.609E+03	1.124E-01	2.291E+06	-4.130E+04	0.000E+00	0.000E+00
327	1	0.00	2	-3.014E+04	4.276E+04	-4.750E+03	1.152E-01	-2.276E+06	-3.977E+04	0.000E+00	0.000E+00
327	2	45.25	1	3.005E+04	4.200E+04	6.405E+03	1.124E-01	1.996E+06	1.877E+06	-1.198E-03	1.482E-03
327	2	45.25	2	-3.014E+04	4.199E+04	-4.547E+03	1.152E-01	-2.066E+06	1.878E+06	-1.198E-03	-1.586E-03
327	3	90.50	1	3.005E+04	4.123E+04	6.202E+03	1.124E-01	1.711E+06	3.760E+06	-1.898E-03	1.872E-03
327	3	90.50	2	-3.014E+04	4.122E+04	-4.343E+03	1.152E-01	-1.865E+06	3.760E+06	-1.898E-03	-2.042E-03
327	4	135.75	1	3.005E+04	4.046E+04	5.998E+03	1.124E-01	1.435E+06	5.608E+06	-1.647E-03	1.327E-03
327	4	135.75	2	-3.014E+04	4.045E+04	-4.139E+03	1.152E-01	-1.673E+06	5.608E+06	-1.647E-03	-1.478E-03
327	5	181.00	1	3.005E+04	3.969E+04	5.794E+03	1.124E-01	1.168E+06	7.422E+06	-1.187E-10	3.008E-10
327	5	181.00	2	-3.014E+04	3.968E+04	-3.936E+03	1.152E-01	-1.490E+06	7.421E+06	-1.187E-10	-3.029E-10
328	1	0.00	1	-3.014E+04	4.276E+04	4.502E+03	-1.152E-01	2.264E+06	-3.977E+04	0.000E+00	0.000E+00
328	1	0.00	2	3.005E+04	4.277E+04	-6.360E+03	-1.124E-01	-2.279E+06	-4.130E+04	0.000E+00	0.000E+00
328	2	45.25	1	-3.014E+04	4.199E+04	4.502E+03	-1.152E-01	2.061E+06	1.878E+06	-1.198E-03	1.597E-03
328	2	45.25	2	3.005E+04	4.200E+04	-6.360E+03	-1.124E-01	-1.991E+06	1.877E+06	-1.198E-03	-1.492E-03
328	3	90.50	1	-3.014E+04	4.122E+04	4.502E+03	-1.152E-01	1.857E+06	3.760E+06	-1.898E-03	2.054E-03
328	3	90.50	2	3.005E+04	4.123E+04	-6.360E+03	-1.124E-01	-1.703E+06	3.760E+06	-1.898E-03	-1.884E-03
328	4	135.75	1	-3.014E+04	4.045E+04	4.502E+03	-1.152E-01	1.653E+06	5.608E+06	-1.647E-03	1.484E-03
328	4	135.75	2	3.005E+04	4.046E+04	-6.360E+03	-1.124E-01	-1.415E+06	5.608E+06	-1.647E-03	-1.333E-03
328	5	181.00	1	-3.014E+04	3.968E+04	4.502E+03	-1.152E-01	1.450E+06	7.421E+06	-1.187E-10	1.149E-10
328	5	181.00	2	3.005E+04	3.969E+04	-6.360E+03	-1.124E-01	-1.127E+06	7.422E+06	-1.187E-10	-1.128E-10
329	1	0.00	1	2.545E+04	3.231E+04	5.306E+03	1.784E-02	1.872E+06	7.421E+06	0.000E+00	0.000E+00
329	1	0.00	2	-2.552E+04	3.231E+04	-6.014E+03	1.990E-02	-2.191E+06	7.421E+06	0.000E+00	0.000E+00
329	2	127.25	1	2.546E+04	3.014E+04	4.733E+03	1.784E-02	1.233E+06	1.139E+07	-3.994E-02	5.590E-03
329	2	127.25	2	-2.551E+04	3.014E+04	-5.442E+03	1.990E-02	-1.462E+06	1.139E+07	-3.994E-02	-6.699E-03
329	3	254.50	1	2.546E+04	2.797E+04	4.160E+03	1.784E-02	6.670E+05	1.509E+07	-5.786E-02	5.857E-03
329	3	254.50	2	-2.551E+04	2.797E+04	-4.869E+03	1.990E-02	-8.059E+05	1.509E+07	-5.786E-02	-7.072E-03
329	4	381.75	1	2.546E+04	2.581E+04	3.588E+03	1.784E-02	1.740E+05	1.851E+07	-4.672E-02	3.275E-03
329	4	381.75	2	-2.551E+04	2.581E+04	-4.297E+03	1.990E-02	-2.227E+05	1.851E+07	-4.672E-02	-3.989E-03
329	5	509.00	1	2.546E+04	2.364E+04	3.015E+03	1.784E-02	-2.462E+05	2.166E+07	-1.046E-09	-1.390E-09
329	5	509.00	2	-2.551E+04	2.364E+04	-3.724E+03	1.990E-02	2.876E+05	2.166E+07	-1.046E-09	1.247E-09
330	1	0.00	1	-2.552E+04	3.231E+04	4.990E+03	-1.990E-02	2.149E+06	7.421E+06	0.000E+00	0.000E+00
330	1	0.00	2	2.545E+04	3.231E+04	-4.282E+03	-1.784E-02	-1.830E+06	7.421E+06	0.000E+00	0.000E+00
330	2	127.25	1	-2.551E+04	3.014E+04	4.990E+03	-1.990E-02	1.514E+06	1.139E+07	-3.994E-02	7.158E-03
330	2	127.25	2	2.546E+04	3.014E+04	-4.282E+03	-1.784E-02	-1.285E+06	1.139E+07	-3.994E-02	-6.050E-03
330	3	254.50	1	-2.551E+04	2.797E+04	4.990E+03	-1.990E-02	8.794E+05	1.509E+07	-5.786E-02	7.693E-03
330	3	254.50	2	2.546E+04	2.797E+04	-4.282E+03	-1.784E-02	-7.405E+05	1.509E+07	-5.786E-02	-6.477E-03
330	4	381.75	1	-2.551E+04	2.581E+04	4.990E+03	-1.990E-02	2.444E+05	1.851E+07	-4.672E-02	4.381E-03
330	4	381.75	2	2.546E+04	2.581E+04	-4.282E+03	-1.784E-02	-1.956E+05	1.851E+07	-4.672E-02	-3.667E-03
330	5	509.00	1	-2.551E+04	2.364E+04	4.990E+03	-1.990E-02	-3.906E+05	2.166E+07	-1.046E-09	1.610E-09
330	5	509.00	2	2.546E+04	2.364E+04	-4.282E+03	-1.784E-02	3.492E+05	2.166E+07	-1.046E-09	-1.467E-09
331	1	0.00	1	2.065E+04	1.404E+04	4.625E+03	8.422E-03	4.874E+05	2.166E+07	0.000E+00	0.000E+00

331	1	0.00	2	-2.068E+04	1.404E+04	-4.540E+03	1.041E-02	-4.465E+05	2.166E+07	0.000E+00	0.000E+00
331	2	127.50	1	2.065E+04	1.187E+04	4.051E+03	8.422E-03	-6.566E+04	2.331E+07	-6.983E-02	-2.562E-03
331	2	127.50	2	-2.068E+04	1.187E+04	-3.966E+03	1.041E-02	9.572E+04	2.331E+07	-6.983E-02	2.713E-03
331	3	255.00	1	2.065E+04	9.698E+03	3.477E+03	8.422E-03	-5.456E+05	2.469E+07	-9.477E-02	-4.768E-03
331	3	255.00	2	-2.067E+04	9.697E+03	-3.392E+03	1.041E-02	5.648E+05	2.469E+07	-9.477E-02	4.937E-03
331	4	382.50	1	2.066E+04	7.527E+03	2.903E+03	8.422E-03	-9.524E+05	2.578E+07	-7.219E-02	-4.509E-03
331	4	382.50	2	-2.067E+04	7.526E+03	-2.818E+03	1.041E-02	9.607E+05	2.578E+07	-7.219E-02	4.612E-03
331	5	510.00	1	2.066E+04	5.356E+03	2.330E+03	8.422E-03	-1.286E+06	2.661E+07	-1.170E-09	2.297E-10
331	5	510.00	2	-2.067E+04	5.355E+03	-2.245E+03	1.041E-02	1.283E+06	2.660E+07	-1.171E-09	-2.327E-10
332	1	0.00	1	-2.068E+04	1.404E+04	3.381E+03	-1.041E-02	3.435E+05	2.166E+07	0.000E+00	0.000E+00
332	1	0.00	2	2.065E+04	1.404E+04	-3.466E+03	-8.422E-03	-3.844E+05	2.166E+07	0.000E+00	0.000E+00
332	2	127.50	1	-2.068E+04	1.187E+04	3.381E+03	-1.041E-02	-8.751E+04	2.331E+07	-6.983E-02	-2.469E-03
332	2	127.50	2	2.065E+04	1.187E+04	-3.466E+03	-8.422E-03	5.746E+04	2.331E+07	-6.983E-02	2.319E-03
332	3	255.00	1	-2.067E+04	9.697E+03	3.381E+03	-1.041E-02	-5.186E+05	2.469E+07	-9.477E-02	-4.554E-03
332	3	255.00	2	2.065E+04	9.698E+03	-3.466E+03	-8.422E-03	4.994E+05	2.469E+07	-9.477E-02	4.385E-03
332	4	382.50	1	-2.067E+04	7.526E+03	3.381E+03	-1.041E-02	-9.496E+05	2.578E+07	-7.219E-02	-4.362E-03
332	4	382.50	2	2.066E+04	7.527E+03	-3.466E+03	-8.422E-03	9.413E+05	2.578E+07	-7.219E-02	4.259E-03
332	5	510.00	1	-2.067E+04	5.355E+03	3.381E+03	-1.041E-02	-1.381E+06	2.660E+07	-1.170E-09	-4.267E-11
332	5	510.00	2	2.066E+04	5.356E+03	-3.466E+03	-8.422E-03	1.383E+06	2.661E+07	-1.170E-09	4.562E-11
333	1	0.00	1	1.620E+04	-5.355E+03	3.421E+03	-1.037E-02	-6.057E+05	2.661E+07	0.000E+00	0.000E+00
333	1	0.00	2	-1.619E+04	-5.356E+03	-3.426E+03	-8.458E-03	6.031E+05	2.661E+07	0.000E+00	0.000E+00
333	2	127.50	1	1.620E+04	-7.526E+03	2.848E+03	-1.037E-02	-1.005E+06	2.578E+07	-7.219E-02	-8.078E-03
333	2	127.50	2	-1.619E+04	-7.527E+03	-2.853E+03	-8.458E-03	1.003E+06	2.578E+07	-7.219E-02	8.068E-03
333	3	255.00	1	1.620E+04	-9.697E+03	2.274E+03	-1.037E-02	-1.332E+06	2.469E+07	-9.477E-02	-1.167E-02
333	3	255.00	2	-1.618E+04	-9.698E+03	-2.279E+03	-8.458E-03	1.331E+06	2.469E+07	-9.477E-02	1.166E-02
333	4	382.50	1	1.621E+04	-1.187E+04	1.700E+03	-1.037E-02	-1.585E+06	2.331E+07	-6.983E-02	-9.351E-03
333	4	382.50	2	-1.618E+04	-1.187E+04	-1.705E+03	-8.458E-03	1.585E+06	2.331E+07	-6.983E-02	9.344E-03
333	5	510.00	1	1.621E+04	-1.404E+04	1.126E+03	-1.037E-02	-1.765E+06	2.166E+07	2.366E-09	2.812E-09
333	5	510.00	2	-1.618E+04	-1.404E+04	-1.131E+03	-8.458E-03	1.765E+06	2.166E+07	2.368E-09	-2.811E-09
334	1	0.00	1	-1.619E+04	-5.356E+03	2.289E+03	8.458E-03	-7.003E+05	2.661E+07	0.000E+00	0.000E+00
334	1	0.00	2	1.620E+04	-5.355E+03	-2.284E+03	1.037E-02	7.029E+05	2.661E+07	0.000E+00	0.000E+00
334	2	127.50	1	-1.619E+04	-7.527E+03	2.289E+03	8.458E-03	-9.922E+05	2.578E+07	-7.219E-02	-7.817E-03
334	2	127.50	2	1.620E+04	-7.526E+03	-2.284E+03	1.037E-02	9.941E+05	2.578E+07	-7.219E-02	7.826E-03
334	3	255.00	1	-1.618E+04	-9.698E+03	2.289E+03	8.458E-03	-1.284E+06	2.469E+07	-9.477E-02	-1.128E-02
334	3	255.00	2	1.620E+04	-9.697E+03	-2.284E+03	1.037E-02	1.285E+06	2.469E+07	-9.477E-02	1.129E-02
334	4	382.50	1	-1.618E+04	-1.187E+04	2.289E+03	8.458E-03	-1.576E+06	2.331E+07	-6.983E-02	-9.098E-03
334	4	382.50	2	1.621E+04	-1.187E+04	-2.284E+03	1.037E-02	1.577E+06	2.331E+07	-6.983E-02	9.105E-03
334	5	510.00	1	-1.618E+04	-1.404E+04	2.289E+03	8.458E-03	-1.868E+06	2.166E+07	2.368E-09	-2.630E-10
334	5	510.00	2	1.621E+04	-1.404E+04	-2.284E+03	1.037E-02	1.868E+06	2.166E+07	2.366E-09	2.621E-10
335	1	0.00	1	1.242E+04	-2.364E+04	2.337E+03	-1.981E-02	-1.188E+06	2.166E+07	0.000E+00	0.000E+00
335	1	0.00	2	-1.238E+04	-2.364E+04	-2.336E+03	-1.793E-02	1.188E+06	2.166E+07	0.000E+00	0.000E+00
335	2	127.25	1	1.243E+04	-2.581E+04	1.764E+03	-1.981E-02	-1.449E+06	1.851E+07	-4.672E-02	-1.035E-02
335	2	127.25	2	-1.238E+04	-2.581E+04	-1.763E+03	-1.793E-02	1.449E+06	1.851E+07	-4.672E-02	1.035E-02
335	3	254.50	1	1.243E+04	-2.797E+04	1.191E+03	-1.981E-02	-1.637E+06	1.509E+07	-5.786E-02	-1.430E-02
335	3	254.50	2	-1.237E+04	-2.797E+04	-1.190E+03	-1.793E-02	1.637E+06	1.509E+07	-5.785E-02	1.430E-02
335	4	381.75	1	1.243E+04	-3.014E+04	6.188E+02	-1.981E-02	-1.752E+06	1.140E+07	-3.994E-02	-1.102E-02
335	4	381.75	2	-1.237E+04	-3.014E+04	-6.178E+02	-1.793E-02	1.752E+06	1.139E+07	-3.994E-02	1.101E-02
335	5	509.00	1	1.243E+04	-3.231E+04	4.619E+01	-1.981E-02	-1.795E+06	7.422E+06	-1.006E-08	-1.068E-09
335	5	509.00	2	-1.237E+04	-3.231E+04	-4.516E+01	-1.793E-02	1.794E+06	7.420E+06	-1.006E-08	1.068E-09
336	1	0.00	1	-1.238E+04	-2.364E+04	1.079E+03	1.793E-02	-1.291E+06	2.166E+07	0.000E+00	0.000E+00
336	1	0.00	2	1.242E+04	-2.364E+04	-1.080E+03	1.981E-02	1.291E+06	2.166E+07	0.000E+00	0.000E+00
336	2	127.25	1	-1.238E+04	-2.581E+04	1.079E+03	1.793E-02	-1.428E+06	1.851E+07	-4.672E-02	-9.969E-03
336	2	127.25	2	1.243E+04	-2.581E+04	-1.080E+03	1.981E-02	1.428E+06	1.851E+07	-4.672E-02	9.971E-03
336	3	254.50	1	-1.237E+04	-2.797E+04	1.079E+03	1.793E-02	-1.565E+06	1.509E+07	-5.785E-02	-1.369E-02
336	3	254.50	2	1.243E+04	-2.797E+04	-1.080E+03	1.981E-02	1.566E+06	1.509E+07	-5.786E-02	1.369E-02
336	4	381.75	1	-1.237E+04	-3.014E+04	1.079E+03	1.793E-02	-1.702E+06	1.139E+07	-3.994E-02	-1.057E-02
336	4	381.75	2	1.243E+04	-3.014E+04	-1.080E+03	1.981E-02	1.703E+06	1.140E+07	-3.994E-02	1.057E-02
336	5	509.00	1	-1.237E+04	-3.231E+04	1.079E+03	1.793E-02	-1.840E+06	7.420E+06	-1.006E-08	2.090E-09
336	5	509.00	2	1.243E+04	-3.231E+04	-1.080E+03	1.981E-02	1.840E+06	7.422E+06	-1.006E-08	-2.091E-09
337	1	0.00	1	9.441E+03	-3.968E+04	8.557E+02	-1.145E-01	-1.338E+06	7.422E+06	0.000E+00	0.000E+00
337	1	0.00	2	-9.353E+03	-3.969E+04	-8.602E+02	-1.131E-01	1.337E+06	7.421E+06	0.000E+00	0.000E+00
337	2	45.25	1	9.442E+03	-4.045E+04	6.521E+02	-1.145E-01	-1.372E+06	5.609E+06	-1.647E-03	-1.168E-03

337	2	45.25	2	-9.352E+03	-4.046E+04	-6.566E+02	-1.131E-01	1.371E+06	5.608E+06	-1.647E-03	1.168E-03
337	3	90.50	1	9.443E+03	-4.122E+04	4.484E+02	-1.145E-01	-1.397E+06	3.761E+06	-1.898E-03	-1.566E-03
337	3	90.50	2	-9.352E+03	-4.123E+04	-4.529E+02	-1.131E-01	1.396E+06	3.759E+06	-1.897E-03	1.566E-03
337	4	135.75	1	9.444E+03	-4.200E+04	2.448E+02	-1.145E-01	-1.412E+06	1.878E+06	-1.198E-03	-1.179E-03
337	4	135.75	2	-9.351E+03	-4.200E+04	-2.493E+02	-1.131E-01	1.412E+06	1.877E+06	-1.197E-03	1.179E-03
337	5	181.00	1	9.444E+03	-4.277E+04	4.118E+01	-1.145E-01	-1.419E+06	-3.982E+04	-2.864E-10	2.060E-11
337	5	181.00	2	-9.350E+03	-4.277E+04	-4.569E+01	-1.131E-01	1.419E+06	-4.125E+04	-2.863E-10	-2.062E-11
338	1	0.00	1	-9.353E+03	-3.969E+04	2.693E+02	1.131E-01	-1.382E+06	7.421E+06	0.000E+00	0.000E+00
338	1	0.00	2	9.441E+03	-3.968E+04	-2.648E+02	1.145E-01	1.383E+06	7.422E+06	0.000E+00	0.000E+00
338	2	45.25	1	-9.352E+03	-4.046E+04	2.693E+02	1.131E-01	-1.394E+06	5.608E+06	-1.647E-03	-1.164E-03
338	2	45.25	2	9.442E+03	-4.045E+04	-2.648E+02	1.145E-01	1.395E+06	5.609E+06	-1.647E-03	1.164E-03
338	3	90.50	1	-9.352E+03	-4.123E+04	2.693E+02	1.131E-01	-1.407E+06	3.759E+06	-1.897E-03	-1.556E-03
338	3	90.50	2	9.443E+03	-4.122E+04	-2.648E+02	1.145E-01	1.407E+06	3.761E+06	-1.898E-03	1.556E-03
338	4	135.75	1	-9.351E+03	-4.200E+04	2.693E+02	1.131E-01	-1.419E+06	1.877E+06	-1.197E-03	-1.170E-03
338	4	135.75	2	9.444E+03	-4.200E+04	-2.648E+02	1.145E-01	1.419E+06	1.878E+06	-1.198E-03	1.170E-03
338	5	181.00	1	-9.350E+03	-4.277E+04	2.693E+02	1.131E-01	-1.431E+06	-4.125E+04	-2.863E-10	-2.395E-10
338	5	181.00	2	9.444E+03	-4.277E+04	-2.648E+02	1.145E-01	1.431E+06	-3.982E+04	-2.864E-10	2.395E-10
339	1	0.00	1	4.637E-10	1.175E+03	3.105E+02	3.538E-16	1.071E+04	-4.053E+04	0.000E+00	0.000E+00
339	1	0.00	2	-4.676E-10	1.175E+03	-3.105E+02	3.538E-16	-1.071E+04	-4.053E+04	0.000E+00	0.000E+00
339	2	17.25	1	4.637E-10	8.812E+02	2.329E+02	3.538E-16	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06
339	2	17.25	2	-4.676E-10	8.812E+02	-2.329E+02	3.538E-16	-6.026E+03	-2.280E+04	-9.263E-06	2.166E-06
339	3	34.50	1	4.637E-10	5.874E+02	1.552E+02	3.538E-16	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
339	3	34.50	2	-4.676E-10	5.874E+02	-1.552E+02	3.538E-16	-2.678E+03	-1.013E+04	-1.262E-05	3.050E-06
339	4	51.75	1	4.637E-10	2.937E+02	7.762E+01	3.538E-16	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06
339	4	51.75	2	-4.676E-10	2.937E+02	-7.762E+01	3.538E-16	-6.695E+02	-2.533E+03	-9.618E-06	2.382E-06
339	5	69.00	1	4.637E-10	-4.076E-10	-5.225E-09	3.538E-16	8.992E-08	-5.088E-08	3.799E-13	1.374E-13
339	5	69.00	2	-4.676E-10	-1.193E-09	5.214E-09	3.538E-16	-8.952E-08	-4.177E-08	3.799E-13	-1.374E-13
340	1	0.00	1	-4.659E-10	1.175E+03	-2.701E-09	2.014E-15	-1.990E-05	-4.053E+04	0.000E+00	0.000E+00
340	1	0.00	2	4.654E-10	1.175E+03	2.674E-09	1.125E-15	1.990E-05	-4.053E+04	0.000E+00	0.000E+00
340	2	17.25	1	-4.659E-10	8.812E+02	-2.701E-09	2.014E-15	-1.985E-05	-2.280E+04	-9.263E-06	-2.390E-15
340	2	17.25	2	4.654E-10	8.812E+02	2.674E-09	1.125E-15	1.985E-05	-2.280E+04	-9.263E-06	2.390E-15
340	3	34.50	1	-4.659E-10	5.874E+02	-2.701E-09	2.014E-15	-1.981E-05	-1.013E+04	-1.262E-05	-3.184E-15
340	3	34.50	2	4.654E-10	5.874E+02	2.674E-09	1.125E-15	1.981E-05	-1.013E+04	-1.262E-05	3.184E-15
340	4	51.75	1	-4.659E-10	2.937E+02	-2.701E-09	2.014E-15	-1.976E-05	-2.533E+03	-9.618E-06	-2.386E-15
340	4	51.75	2	4.654E-10	2.937E+02	2.674E-09	1.125E-15	1.976E-05	-2.533E+03	-9.618E-06	2.386E-15
340	5	69.00	1	-4.659E-10	6.747E-10	-2.701E-09	2.014E-15	-1.971E-05	7.036E-08	3.799E-13	-1.365E-21
340	5	69.00	2	4.654E-10	6.602E-10	2.674E-09	1.125E-15	1.971E-05	6.563E-08	3.799E-13	1.365E-21
341	1	0.00	1	-3.511E-10	5.788E-11	-2.212E-09	0.000E+00	-2.459E-07	7.324E-08	0.000E+00	0.000E+00
341	1	0.00	2	1.146E-10	5.879E-11	2.212E-09	0.000E+00	2.459E-07	7.313E-08	0.000E+00	0.000E+00
341	2	17.25	1	-3.511E-10	-2.937E+02	-7.763E+01	0.000E+00	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06
341	2	17.25	2	1.146E-10	-2.937E+02	7.763E+01	0.000E+00	-6.695E+02	-2.533E+03	-9.618E-06	2.382E-06
341	3	34.50	1	-3.511E-10	-5.874E+02	-1.553E+02	0.000E+00	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
341	3	34.50	2	1.146E-10	-5.874E+02	1.553E+02	0.000E+00	-2.678E+03	-1.013E+04	-1.262E-05	3.050E-06
341	4	51.75	1	-3.511E-10	-8.812E+02	-2.329E+02	0.000E+00	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06
341	4	51.75	2	1.146E-10	-8.812E+02	2.329E+02	0.000E+00	-6.026E+03	-2.280E+04	-9.263E-06	2.166E-06
341	5	69.00	1	-3.511E-10	-1.175E+03	-3.105E+02	0.000E+00	1.071E+04	-4.053E+04	7.483E-15	3.284E-15
341	5	69.00	2	1.146E-10	-1.175E+03	3.105E+02	0.000E+00	-1.071E+04	-4.053E+04	7.483E-15	-3.284E-15
342	1	0.00	1	-6.730E-11	2.041E-10	2.794E-09	0.000E+00	-1.863E-07	7.284E-08	0.000E+00	0.000E+00
342	1	0.00	2	-6.730E-11	1.709E-10	-2.794E-09	0.000E+00	1.863E-07	7.354E-08	0.000E+00	0.000E+00
342	2	17.25	1	-6.730E-11	-2.937E+02	2.794E-09	0.000E+00	-2.345E-07	-2.533E+03	-9.618E-06	-3.214E-17
342	2	17.25	2	-6.730E-11	-2.937E+02	-2.794E-09	0.000E+00	2.345E-07	-2.533E+03	-9.618E-06	3.214E-17
342	3	34.50	1	-6.730E-11	-5.874E+02	2.794E-09	0.000E+00	-2.827E-07	-1.013E+04	-1.262E-05	-4.544E-17
342	3	34.50	2	-6.730E-11	-5.874E+02	-2.794E-09	0.000E+00	2.827E-07	-1.013E+04	-1.262E-05	4.544E-17
342	4	51.75	1	-6.730E-11	-8.812E+02	2.794E-09	0.000E+00	-3.309E-07	-2.280E+04	-9.263E-06	-3.601E-17
342	4	51.75	2	-6.730E-11	-8.812E+02	-2.794E-09	0.000E+00	3.309E-07	-2.280E+04	-9.263E-06	3.601E-17
342	5	69.00	1	-6.730E-11	-1.175E+03	2.794E-09	0.000E+00	-3.790E-07	-4.053E+04	7.475E-15	6.153E-24
342	5	69.00	2	-6.730E-11	-1.175E+03	-2.794E-09	0.000E+00	3.790E-07	-4.053E+04	7.475E-15	-6.153E-24
343	1	0.00	1	9.350E+03	4.277E+04	-4.581E+01	1.138E-01	-1.419E+06	-4.074E+04	0.000E+00	0.000E+00
343	1	0.00	2	-9.444E+03	4.277E+04	4.106E+01	1.138E-01	1.419E+06	-4.033E+04	0.000E+00	0.000E+00
343	2	45.25	1	9.351E+03	4.200E+04	-2.494E+02	1.138E-01	-1.412E+06	1.877E+06	-1.198E-03	-1.179E-03
343	2	45.25	2	-9.444E+03	4.200E+04	2.447E+02	1.138E-01	1.412E+06	1.877E+06	-1.198E-03	1.179E-03
343	3	90.50	1	9.352E+03	4.123E+04	-4.531E+02	1.138E-01	-1.396E+06	3.760E+06	-1.898E-03	-1.566E-03

343	3	90.50	2	-9.443E+03	4.123E+04	4.483E+02	1.138E-01	1.397E+06	3.760E+06	-1.898E-03	1.566E-03
343	4	135.75	1	9.352E+03	4.046E+04	-6.567E+02	1.138E-01	-1.371E+06	5.608E+06	-1.647E-03	-1.168E-03
343	4	135.75	2	-9.442E+03	4.045E+04	6.519E+02	1.138E-01	1.372E+06	5.608E+06	-1.647E-03	1.168E-03
343	5	181.00	1	9.353E+03	3.968E+04	-8.603E+02	1.138E-01	-1.337E+06	7.421E+06	-3.585E-11	1.064E-10
343	5	181.00	2	-9.441E+03	3.968E+04	8.556E+02	1.138E-01	1.338E+06	7.421E+06	-3.587E-11	-1.064E-10
344	1	0.00	1	-9.444E+03	4.277E+04	-2.647E+02	-1.138E-01	-1.431E+06	-4.033E+04	0.000E+00	0.000E+00
344	1	0.00	2	9.350E+03	4.277E+04	2.694E+02	-1.138E-01	1.431E+06	-4.074E+04	0.000E+00	0.000E+00
344	2	45.25	1	-9.444E+03	4.200E+04	-2.647E+02	-1.138E-01	-1.419E+06	1.877E+06	-1.198E-03	-1.170E-03
344	2	45.25	2	9.351E+03	4.200E+04	2.694E+02	-1.138E-01	1.419E+06	1.877E+06	-1.198E-03	1.170E-03
344	3	90.50	1	-9.443E+03	4.123E+04	-2.647E+02	-1.138E-01	-1.407E+06	3.760E+06	-1.898E-03	-1.556E-03
344	3	90.50	2	9.352E+03	4.123E+04	2.694E+02	-1.138E-01	1.407E+06	3.760E+06	-1.898E-03	1.556E-03
344	4	135.75	1	-9.442E+03	4.045E+04	-2.647E+02	-1.138E-01	-1.395E+06	5.608E+06	-1.647E-03	-1.164E-03
344	4	135.75	2	9.352E+03	4.046E+04	2.694E+02	-1.138E-01	1.394E+06	5.608E+06	-1.647E-03	1.164E-03
344	5	181.00	1	-9.441E+03	3.968E+04	-2.647E+02	-1.138E-01	-1.383E+06	7.421E+06	-3.587E-11	1.346E-11
344	5	181.00	2	9.353E+03	3.968E+04	2.694E+02	-1.138E-01	1.382E+06	7.421E+06	-3.585E-11	-1.345E-11
345	1	0.00	1	1.237E+04	3.231E+04	-4.503E+01	1.862E-02	-1.794E+06	7.421E+06	0.000E+00	0.000E+00
345	1	0.00	2	-1.243E+04	3.231E+04	4.632E+01	1.912E-02	1.795E+06	7.422E+06	0.000E+00	0.000E+00
345	2	127.25	1	1.237E+04	3.014E+04	-6.177E+02	1.862E-02	-1.752E+06	1.139E+07	-3.994E-02	-1.101E-02
345	2	127.25	2	-1.243E+04	3.014E+04	6.189E+02	1.912E-02	1.752E+06	1.139E+07	-3.994E-02	1.102E-02
345	3	254.50	1	1.237E+04	2.797E+04	-1.190E+03	1.862E-02	-1.637E+06	1.509E+07	-5.786E-02	-1.430E-02
345	3	254.50	2	-1.243E+04	2.797E+04	1.192E+03	1.912E-02	1.637E+06	1.509E+07	-5.786E-02	1.430E-02
345	4	381.75	1	1.238E+04	2.581E+04	-1.763E+03	1.862E-02	-1.449E+06	1.851E+07	-4.672E-02	-1.035E-02
345	4	381.75	2	-1.243E+04	2.581E+04	1.764E+03	1.912E-02	1.449E+06	1.851E+07	-4.672E-02	1.035E-02
345	5	509.00	1	1.238E+04	2.364E+04	-2.336E+03	1.862E-02	-1.188E+06	2.166E+07	-5.528E-10	5.552E-09
345	5	509.00	2	-1.242E+04	2.364E+04	2.337E+03	1.912E-02	1.188E+06	2.166E+07	-5.531E-10	-5.553E-09
346	1	0.00	1	-1.243E+04	3.231E+04	-1.080E+03	-1.912E-02	-1.840E+06	7.422E+06	0.000E+00	0.000E+00
346	1	0.00	2	1.237E+04	3.231E+04	1.079E+03	-1.862E-02	1.840E+06	7.421E+06	0.000E+00	0.000E+00
346	2	127.25	1	-1.243E+04	3.014E+04	-1.080E+03	-1.912E-02	-1.703E+06	1.139E+07	-3.994E-02	-1.057E-02
346	2	127.25	2	1.237E+04	3.014E+04	1.079E+03	-1.862E-02	1.702E+06	1.139E+07	-3.994E-02	1.057E-02
346	3	254.50	1	-1.243E+04	2.797E+04	-1.080E+03	-1.912E-02	-1.566E+06	1.509E+07	-5.786E-02	-1.369E-02
346	3	254.50	2	1.237E+04	2.797E+04	1.079E+03	-1.862E-02	1.565E+06	1.509E+07	-5.786E-02	1.369E-02
346	4	381.75	1	-1.243E+04	2.581E+04	-1.080E+03	-1.912E-02	-1.428E+06	1.851E+07	-4.672E-02	-9.970E-03
346	4	381.75	2	1.238E+04	2.581E+04	1.079E+03	-1.862E-02	1.428E+06	1.851E+07	-4.672E-02	9.969E-03
346	5	509.00	1	-1.242E+04	2.364E+04	-1.080E+03	-1.912E-02	-1.291E+06	2.166E+07	-5.531E-10	-3.875E-10
346	5	509.00	2	1.238E+04	2.364E+04	1.079E+03	-1.862E-02	1.291E+06	2.166E+07	-5.528E-10	3.877E-10
347	1	0.00	1	1.618E+04	1.404E+04	-1.129E+03	9.157E-03	-1.765E+06	2.166E+07	0.000E+00	0.000E+00
347	1	0.00	2	-1.621E+04	1.404E+04	1.129E+03	9.676E-03	1.765E+06	2.166E+07	0.000E+00	0.000E+00
347	2	127.50	1	1.618E+04	1.187E+04	-1.703E+03	9.157E-03	-1.585E+06	2.331E+07	-6.983E-02	-9.348E-03
347	2	127.50	2	-1.621E+04	1.187E+04	1.702E+03	9.676E-03	1.585E+06	2.331E+07	-6.983E-02	9.347E-03
347	3	255.00	1	1.618E+04	9.698E+03	-2.277E+03	9.157E-03	-1.331E+06	2.469E+07	-9.477E-02	-1.167E-02
347	3	255.00	2	-1.620E+04	9.698E+03	2.276E+03	9.676E-03	1.331E+06	2.469E+07	-9.477E-02	1.167E-02
347	4	382.50	1	1.619E+04	7.527E+03	-2.850E+03	9.157E-03	-1.004E+06	2.578E+07	-7.219E-02	-8.073E-03
347	4	382.50	2	-1.620E+04	7.527E+03	2.850E+03	9.676E-03	1.004E+06	2.578E+07	-7.219E-02	8.073E-03
347	5	510.00	1	1.619E+04	5.356E+03	-3.424E+03	9.157E-03	-6.044E+05	2.660E+07	-1.346E-09	1.249E-09
347	5	510.00	2	-1.620E+04	5.356E+03	3.424E+03	9.676E-03	6.044E+05	2.661E+07	-1.346E-09	-1.249E-09
348	1	0.00	1	-1.621E+04	1.404E+04	-2.286E+03	-9.676E-03	-1.868E+06	2.166E+07	0.000E+00	0.000E+00
348	1	0.00	2	1.618E+04	1.404E+04	2.287E+03	-9.157E-03	1.868E+06	2.166E+07	0.000E+00	0.000E+00
348	2	127.50	1	-1.621E+04	1.187E+04	-2.286E+03	-9.676E-03	-1.576E+06	2.331E+07	-6.983E-02	-9.102E-03
348	2	127.50	2	1.618E+04	1.187E+04	2.287E+03	-9.157E-03	1.576E+06	2.331E+07	-6.983E-02	9.102E-03
348	3	255.00	1	-1.620E+04	9.698E+03	-2.286E+03	-9.676E-03	-1.285E+06	2.469E+07	-9.477E-02	-1.128E-02
348	3	255.00	2	1.618E+04	9.698E+03	2.287E+03	-9.157E-03	1.285E+06	2.469E+07	-9.477E-02	1.128E-02
348	4	382.50	1	-1.620E+04	7.527E+03	-2.286E+03	-9.676E-03	-9.932E+05	2.578E+07	-7.219E-02	-7.822E-03
348	4	382.50	2	1.619E+04	7.527E+03	2.287E+03	-9.157E-03	9.931E+05	2.578E+07	-7.219E-02	7.822E-03
348	5	510.00	1	-1.620E+04	5.356E+03	-2.286E+03	-9.676E-03	-7.016E+05	2.661E+07	-1.346E-09	-2.796E-10
348	5	510.00	2	1.619E+04	5.356E+03	2.287E+03	-9.157E-03	7.015E+05	2.660E+07	-1.346E-09	2.795E-10
349	1	0.00	1	2.067E+04	-5.356E+03	-2.287E+03	-9.712E-03	-1.285E+06	2.660E+07	0.000E+00	0.000E+00
349	1	0.00	2	-2.066E+04	-5.356E+03	2.287E+03	-9.121E-03	1.285E+06	2.661E+07	0.000E+00	0.000E+00
349	2	127.50	1	2.067E+04	-7.527E+03	-2.861E+03	-9.712E-03	-9.566E+05	2.578E+07	-7.219E-02	-4.561E-03
349	2	127.50	2	-2.066E+04	-7.527E+03	2.861E+03	-9.121E-03	9.565E+05	2.578E+07	-7.219E-02	4.561E-03
349	3	255.00	1	2.067E+04	-9.698E+03	-3.434E+03	-9.712E-03	-5.553E+05	2.469E+07	-9.477E-02	-4.853E-03
349	3	255.00	2	-2.065E+04	-9.698E+03	3.435E+03	-9.121E-03	5.552E+05	2.469E+07	-9.477E-02	4.852E-03
349	4	382.50	1	2.068E+04	-1.187E+04	-4.008E+03	-9.712E-03	-8.083E+04	2.331E+07	-6.983E-02	-2.638E-03

349	4	382.50	2	-2.065E+04	-1.187E+04	4.008E+03	-9.121E-03	8.072E+04	2.331E+07	-6.983E-02	2.638E-03
349	5	510.00	1	2.068E+04	-1.404E+04	-4.582E+03	-9.712E-03	4.668E+05	2.166E+07	2.451E-09	-1.529E-09
349	5	510.00	2	-2.065E+04	-1.404E+04	4.582E+03	-9.121E-03	-4.669E+05	2.166E+07	2.451E-09	1.529E-09
350	1	0.00	1	-2.066E+04	-5.356E+03	-3.424E+03	9.121E-03	-1.382E+06	2.661E+07	0.000E+00	0.000E+00
350	1	0.00	2	2.067E+04	-5.356E+03	3.423E+03	9.712E-03	1.382E+06	2.660E+07	0.000E+00	0.000E+00
350	2	127.50	1	-2.066E+04	-7.527E+03	-3.424E+03	9.121E-03	-9.454E+05	2.578E+07	-7.219E-02	-4.310E-03
350	2	127.50	2	2.067E+04	-7.527E+03	3.423E+03	9.712E-03	9.454E+05	2.578E+07	-7.219E-02	4.311E-03
350	3	255.00	1	-2.065E+04	-9.698E+03	-3.424E+03	9.121E-03	-5.089E+05	2.469E+07	-9.477E-02	-4.469E-03
350	3	255.00	2	2.067E+04	-9.698E+03	3.423E+03	9.712E-03	5.089E+05	2.469E+07	-9.477E-02	4.470E-03
350	4	382.50	1	-2.065E+04	-1.187E+04	-3.424E+03	9.121E-03	-7.235E+04	2.331E+07	-6.983E-02	-2.393E-03
350	4	382.50	2	2.068E+04	-1.187E+04	3.423E+03	9.712E-03	7.245E+04	2.331E+07	-6.983E-02	2.394E-03
350	5	510.00	1	-2.065E+04	-1.404E+04	-3.424E+03	9.121E-03	3.642E+05	2.166E+07	2.451E-09	1.178E-09
350	5	510.00	2	2.068E+04	-1.404E+04	3.423E+03	9.712E-03	-3.640E+05	2.166E+07	2.451E-09	-1.178E-09
351	1	0.00	1	2.551E+04	-2.364E+04	-3.373E+03	-1.921E-02	-2.671E+05	2.166E+07	0.000E+00	0.000E+00
351	1	0.00	2	-2.546E+04	-2.364E+04	3.370E+03	-1.853E-02	2.669E+05	2.166E+07	0.000E+00	0.000E+00
351	2	127.25	1	2.551E+04	-2.581E+04	-3.946E+03	-1.921E-02	1.986E+05	1.851E+07	-4.672E-02	3.635E-03
351	2	127.25	2	-2.546E+04	-2.581E+04	3.943E+03	-1.853E-02	-1.984E+05	1.851E+07	-4.672E-02	-3.632E-03
351	3	254.50	1	2.551E+04	-2.797E+04	-4.518E+03	-1.921E-02	7.371E+05	1.509E+07	-5.786E-02	6.470E-03
351	3	254.50	2	-2.546E+04	-2.797E+04	4.515E+03	-1.853E-02	-7.365E+05	1.509E+07	-5.786E-02	-6.465E-03
351	4	381.75	1	2.551E+04	-3.014E+04	-5.091E+03	-1.921E-02	1.348E+06	1.139E+07	-3.994E-02	6.150E-03
351	4	381.75	2	-2.546E+04	-3.014E+04	5.088E+03	-1.853E-02	-1.348E+06	1.139E+07	-3.994E-02	-6.145E-03
351	5	509.00	1	2.552E+04	-3.231E+04	-5.664E+03	-1.921E-02	2.033E+06	7.421E+06	-9.714E-09	-2.910E-11
351	5	509.00	2	-2.545E+04	-3.231E+04	5.661E+03	-1.853E-02	-2.031E+06	7.422E+06	-9.713E-09	2.925E-11
352	1	0.00	1	-2.546E+04	-2.364E+04	-4.632E+03	1.853E-02	-3.697E+05	2.166E+07	0.000E+00	0.000E+00
352	1	0.00	2	2.551E+04	-2.364E+04	4.635E+03	1.921E-02	3.699E+05	2.166E+07	0.000E+00	0.000E+00
352	2	127.25	1	-2.546E+04	-2.581E+04	-4.632E+03	1.853E-02	2.198E+05	1.851E+07	-4.672E-02	4.020E-03
352	2	127.25	2	2.551E+04	-2.581E+04	4.635E+03	1.921E-02	-2.200E+05	1.851E+07	-4.672E-02	-4.023E-03
352	3	254.50	1	-2.546E+04	-2.797E+04	-4.632E+03	1.853E-02	8.093E+05	1.509E+07	-5.786E-02	7.079E-03
352	3	254.50	2	2.551E+04	-2.797E+04	4.635E+03	1.921E-02	-8.098E+05	1.509E+07	-5.786E-02	-7.084E-03
352	4	381.75	1	-2.546E+04	-3.014E+04	-4.632E+03	1.853E-02	1.399E+06	1.139E+07	-3.994E-02	6.599E-03
352	4	381.75	2	2.551E+04	-3.014E+04	4.635E+03	1.921E-02	-1.400E+06	1.139E+07	-3.994E-02	-6.603E-03
352	5	509.00	1	-2.545E+04	-3.231E+04	-4.632E+03	1.853E-02	1.988E+06	7.422E+06	-9.713E-09	-4.105E-10
352	5	509.00	2	2.552E+04	-3.231E+04	4.635E+03	1.921E-02	-1.990E+06	7.421E+06	-9.714E-09	4.103E-10
353	1	0.00	1	3.014E+04	-3.968E+04	-4.856E+03	-1.145E-01	1.331E+06	7.421E+06	0.000E+00	0.000E+00
353	1	0.00	2	-3.005E+04	-3.969E+04	4.863E+03	-1.130E-01	-1.330E+06	7.422E+06	0.000E+00	0.000E+00
353	2	45.25	1	3.014E+04	-4.045E+04	-5.060E+03	-1.145E-01	1.555E+06	5.608E+06	-1.647E-03	1.403E-03
353	2	45.25	2	-3.005E+04	-4.046E+04	5.067E+03	-1.130E-01	-1.554E+06	5.609E+06	-1.647E-03	-1.402E-03
353	3	90.50	1	3.014E+04	-4.122E+04	-5.264E+03	-1.145E-01	1.789E+06	3.760E+06	-1.898E-03	1.958E-03
353	3	90.50	2	-3.005E+04	-4.123E+04	5.270E+03	-1.130E-01	-1.788E+06	3.760E+06	-1.898E-03	-1.957E-03
353	4	135.75	1	3.014E+04	-4.199E+04	-5.467E+03	-1.145E-01	2.032E+06	1.877E+06	-1.198E-03	1.535E-03
353	4	135.75	2	-3.005E+04	-4.200E+04	5.474E+03	-1.130E-01	-2.031E+06	1.877E+06	-1.198E-03	-1.534E-03
353	5	181.00	1	3.014E+04	-4.276E+04	-5.671E+03	-1.145E-01	2.284E+06	-4.027E+04	-6.289E-10	8.432E-11
353	5	181.00	2	-3.005E+04	-4.277E+04	5.678E+03	-1.130E-01	-2.284E+06	-4.080E+04	-6.289E-10	-8.418E-11
354	1	0.00	1	-3.005E+04	-3.969E+04	-5.440E+03	1.130E-01	1.287E+06	7.422E+06	0.000E+00	0.000E+00
354	1	0.00	2	3.014E+04	-3.968E+04	5.433E+03	1.145E-01	-1.288E+06	7.421E+06	0.000E+00	0.000E+00
354	2	45.25	1	-3.005E+04	-4.046E+04	-5.440E+03	1.130E-01	1.533E+06	5.609E+06	-1.647E-03	1.408E-03
354	2	45.25	2	3.014E+04	-4.045E+04	5.433E+03	1.145E-01	-1.534E+06	5.608E+06	-1.647E-03	-1.409E-03
354	3	90.50	1	-3.005E+04	-4.123E+04	-5.440E+03	1.130E-01	1.779E+06	3.760E+06	-1.898E-03	1.968E-03
354	3	90.50	2	3.014E+04	-4.122E+04	5.433E+03	1.145E-01	-1.780E+06	3.760E+06	-1.898E-03	-1.969E-03
354	4	135.75	1	-3.005E+04	-4.200E+04	-5.440E+03	1.130E-01	2.025E+06	1.877E+06	-1.198E-03	1.544E-03
354	4	135.75	2	3.014E+04	-4.199E+04	5.433E+03	1.145E-01	-2.026E+06	1.877E+06	-1.198E-03	-1.545E-03
354	5	181.00	1	-3.005E+04	-4.277E+04	-5.440E+03	1.130E-01	2.272E+06	-4.080E+04	-6.289E-10	3.249E-10
354	5	181.00	2	3.014E+04	-4.276E+04	5.433E+03	1.145E-01	-2.272E+06	-4.027E+04	-6.289E-10	-3.250E-10
355	1	0.00	1	-1.703E+00	1.175E+03	3.105E+02	3.334E-11	1.071E+04	-4.053E+04	0.000E+00	0.000E+00
355	1	0.00	2	1.703E+00	-1.175E+03	-3.105E+02	-3.347E-11	-1.071E+04	4.053E+04	0.000E+00	0.000E+00
355	2	17.25	1	-1.277E+00	8.812E+02	2.329E+02	3.334E-11	6.026E+03	-2.280E+04	-9.263E-06	-2.166E-06
355	2	17.25	2	1.277E+00	-8.812E+02	-2.329E+02	-3.347E-11	-6.026E+03	2.280E+04	9.263E-06	2.166E-06
355	3	34.50	1	-8.514E-01	5.874E+02	1.553E+02	3.334E-11	2.678E+03	-1.013E+04	-1.262E-05	-3.050E-06
355	3	34.50	2	8.514E-01	-5.874E+02	-1.553E+02	-3.347E-11	-2.678E+03	1.013E+04	1.262E-05	3.050E-06
355	4	51.75	1	-4.257E-01	2.937E+02	7.763E+01	3.334E-11	6.695E+02	-2.533E+03	-9.618E-06	-2.382E-06
355	4	51.75	2	4.257E-01	-2.937E+02	-7.763E+01	-3.347E-11	-6.695E+02	2.533E+03	9.618E-06	2.382E-06
355	5	69.00	1	5.063E-10	4.846E-10	6.634E-11	3.334E-11	7.697E-09	-3.894E-09	1.621E-13	-2.432E-13

355	5	69.00	2	-6.772E-11	4.683E-10	-3.177E-11	-3.347E-11	-9.380E-09	-3.394E-09	1.621E-13	2.432E-13
356	1	0.00	1	-1.703E+00	1.175E+03	-6.449E-11	4.049E-11	6.666E-09	-4.053E+04	0.000E+00	0.000E+00
356	1	0.00	2	-1.703E+00	1.175E+03	5.193E-11	-3.871E-11	-8.235E-09	-4.053E+04	0.000E+00	0.000E+00
356	2	17.25	1	-1.277E+00	8.812E+02	-6.449E-11	4.049E-11	7.779E-09	-2.280E+04	-9.263E-06	1.100E-18
356	2	17.25	2	-1.277E+00	8.812E+02	5.193E-11	-3.871E-11	-9.131E-09	-2.280E+04	-9.263E-06	-1.100E-18
356	3	34.50	1	-8.514E-01	5.874E+02	-6.449E-11	4.049E-11	8.891E-09	-1.013E+04	-1.262E-05	1.521E-18
356	3	34.50	2	-8.514E-01	5.874E+02	5.193E-11	-3.871E-11	-1.003E-08	-1.013E+04	-1.262E-05	-1.521E-18
356	4	51.75	1	-4.257E-01	2.937E+02	-6.449E-11	4.049E-11	1.000E-08	-2.533E+03	-9.618E-06	1.181E-18
356	4	51.75	2	-4.257E-01	2.937E+02	5.193E-11	-3.871E-11	-1.092E-08	-2.533E+03	-9.618E-06	-1.181E-18
356	5	69.00	1	-1.356E-10	3.943E-10	-6.449E-11	4.049E-11	1.112E-08	3.603E-08	1.621E-13	1.787E-26
356	5	69.00	2	-2.400E-10	4.313E-10	5.193E-11	-3.871E-11	-1.182E-08	3.917E-08	1.621E-13	-1.787E-26
501	1	0.00	1	-2.491E+02	2.650E+03	-1.493E+04	2.273E+02	-2.272E+06	-2.510E+03	0.000E+00	0.000E+00
501	1	0.00	2	1.060E+02	2.617E+03	1.493E+04	-2.273E+02	2.271E+06	2.510E+03	0.000E+00	0.000E+00
501	2	76.10	1	-2.491E+02	1.333E+03	-1.493E+04	2.273E+02	-1.136E+06	1.490E+05	-7.335E-03	-3.602E-02
501	2	76.10	2	1.060E+02	1.300E+03	1.493E+04	-2.273E+02	1.135E+06	1.515E+05	-7.370E-03	3.600E-02
501	3	152.20	1	-2.491E+02	1.648E+01	-1.493E+04	2.273E+02	5.678E+02	2.004E+05	-1.027E-02	7.211E-05
501	3	152.20	2	1.060E+02	-1.648E+01	1.493E+04	-2.273E+02	-7.801E+02	2.004E+05	-1.027E-02	-9.908E-05
501	4	228.30	1	-2.491E+02	-1.300E+03	-1.493E+04	2.273E+02	1.137E+06	1.515E+05	-7.370E-03	3.613E-02
501	4	228.30	2	1.060E+02	-1.333E+03	1.493E+04	-2.273E+02	-1.137E+06	1.490E+05	-7.335E-03	-3.615E-02
501	5	304.40	1	-2.491E+02	-2.617E+03	-1.493E+04	2.273E+02	2.273E+06	2.508E+03	-9.299E-10	2.347E-08
501	5	304.40	2	1.060E+02	-2.650E+03	1.493E+04	-2.273E+02	-2.273E+06	-2.508E+03	-9.352E-10	-2.347E-08
502	1	0.00	1	-2.694E+02	2.643E+03	-9.397E+03	1.698E+02	-1.431E+06	-1.581E+03	0.000E+00	0.000E+00
502	1	0.00	2	2.647E+02	2.623E+03	9.397E+03	-1.698E+02	1.431E+06	1.581E+03	0.000E+00	0.000E+00
502	2	76.10	1	-2.694E+02	1.327E+03	-9.397E+03	1.698E+02	-7.158E+05	1.495E+05	-7.341E-03	-2.277E-02
502	2	76.10	2	2.647E+02	1.306E+03	9.397E+03	-1.698E+02	7.157E+05	1.511E+05	-7.364E-03	2.276E-02
502	3	152.20	1	-2.694E+02	1.034E+01	-9.397E+03	1.698E+02	-6.783E+02	2.004E+05	-1.027E-02	-8.614E-05
502	3	152.20	2	2.647E+02	-1.034E+01	9.397E+03	-1.698E+02	5.580E+02	2.004E+05	-1.027E-02	7.087E-05
502	4	228.30	1	-2.694E+02	-1.306E+03	-9.397E+03	1.698E+02	7.144E+05	1.511E+05	-7.363E-03	2.264E-02
502	4	228.30	2	2.647E+02	-1.327E+03	9.397E+03	-1.698E+02	-7.146E+05	1.495E+05	-7.342E-03	-2.265E-02
502	5	304.40	1	-2.694E+02	-2.623E+03	-9.397E+03	1.698E+02	1.430E+06	1.568E+03	2.002E-10	2.597E-08
502	5	304.40	2	2.647E+02	-2.643E+03	9.397E+03	-1.698E+02	-1.430E+06	-1.568E+03	2.128E-10	-2.596E-08
503	1	0.00	1	-2.646E+02	2.623E+03	9.397E+03	-3.286E+02	1.431E+06	1.581E+03	0.000E+00	0.000E+00
503	1	0.00	2	2.696E+02	2.643E+03	-9.397E+03	3.286E+02	-1.431E+06	-1.581E+03	0.000E+00	0.000E+00
503	2	76.10	1	-2.646E+02	1.306E+03	9.397E+03	-3.286E+02	7.157E+05	1.511E+05	-7.364E-03	2.276E-02
503	2	76.10	2	2.696E+02	1.327E+03	-9.397E+03	3.286E+02	-7.158E+05	1.495E+05	-7.341E-03	-2.277E-02
503	3	152.20	1	-2.646E+02	-1.034E+01	9.397E+03	-3.286E+02	5.584E+02	2.004E+05	-1.027E-02	7.091E-05
503	3	152.20	2	2.696E+02	1.034E+01	-9.397E+03	3.286E+02	-6.780E+02	2.004E+05	-1.027E-02	-8.610E-05
503	4	228.30	1	-2.646E+02	-1.327E+03	9.397E+03	-3.286E+02	-7.146E+05	1.495E+05	-7.342E-03	-2.265E-02
503	4	228.30	2	2.696E+02	-1.306E+03	-9.397E+03	3.286E+02	7.144E+05	1.511E+05	-7.363E-03	2.264E-02
503	5	304.40	1	-2.646E+02	-2.643E+03	9.397E+03	-3.286E+02	-1.430E+06	-1.568E+03	1.447E-10	-2.566E-08
503	5	304.40	2	2.696E+02	-2.623E+03	-9.397E+03	3.286E+02	1.430E+06	1.568E+03	1.296E-10	2.566E-08
504	1	0.00	1	1.129E+04	2.617E+03	1.493E+04	-2.711E+02	2.264E+06	2.502E+03	0.000E+00	0.000E+00
504	1	0.00	2	1.151E+04	2.650E+03	-1.493E+04	2.711E+02	-2.279E+06	-2.518E+03	0.000E+00	0.000E+00
504	2	76.10	1	1.129E+04	1.300E+03	1.493E+04	-2.711E+02	1.128E+06	1.515E+05	-7.370E-03	3.532E-02
504	2	76.10	2	1.151E+04	1.333E+03	-1.493E+04	2.711E+02	-1.143E+06	1.490E+05	-7.334E-03	-3.669E-02
504	3	152.20	1	1.129E+04	-1.648E+01	1.493E+04	-2.711E+02	-7.880E+03	2.004E+05	-1.027E-02	-1.001E-03
504	3	152.20	2	1.151E+04	1.648E+01	-1.493E+04	2.711E+02	-6.449E+03	2.004E+05	-1.027E-02	-8.190E-04
504	4	228.30	1	1.129E+04	-1.333E+03	1.493E+04	-2.711E+02	-1.144E+06	1.490E+05	-7.334E-03	-3.682E-02
504	4	228.30	2	1.151E+04	-1.300E+03	-1.493E+04	2.711E+02	1.130E+06	1.515E+05	-7.370E-03	3.546E-02
504	5	304.40	1	1.129E+04	-2.650E+03	1.493E+04	-2.711E+02	-2.280E+06	-2.516E+03	1.482E-10	5.536E-10
504	5	304.40	2	1.151E+04	-2.617E+03	-1.493E+04	2.711E+02	2.266E+06	2.500E+03	1.437E-10	-1.229E-09
505	1	0.00	1	1.153E+04	2.650E+03	-1.493E+04	7.687E+02	-2.264E+06	-2.502E+03	0.000E+00	0.000E+00
505	1	0.00	2	1.176E+04	2.617E+03	1.493E+04	-7.687E+02	2.279E+06	2.518E+03	0.000E+00	0.000E+00
505	2	76.10	1	1.153E+04	1.333E+03	-1.493E+04	7.687E+02	-1.128E+06	1.490E+05	-7.335E-03	-3.532E-02
505	2	76.10	2	1.176E+04	1.300E+03	1.493E+04	-7.687E+02	1.143E+06	1.515E+05	-7.371E-03	3.669E-02
505	3	152.20	1	1.153E+04	1.648E+01	-1.493E+04	7.687E+02	7.908E+03	2.004E+05	-1.027E-02	1.004E-03
505	3	152.20	2	1.176E+04	-1.648E+01	1.493E+04	-7.687E+02	6.478E+03	2.004E+05	-1.028E-02	8.227E-04
505	4	228.30	1	1.153E+04	-1.300E+03	-1.493E+04	7.687E+02	1.144E+06	1.515E+05	-7.370E-03	3.682E-02
505	4	228.30	2	1.176E+04	-1.333E+03	1.493E+04	-7.687E+02	-1.130E+06	1.490E+05	-7.335E-03	-3.545E-02
505	5	304.40	1	1.153E+04	-2.617E+03	-1.493E+04	7.687E+02	2.280E+06	2.516E+03	-1.242E-09	1.451E-08
505	5	304.40	2	1.176E+04	-2.650E+03	1.493E+04	-7.687E+02	-2.266E+06	-2.500E+03	-1.246E-09	-1.471E-08
506	1	0.00	1	-2.693E+02	2.643E+03	-9.397E+03	7.112E+02	-1.431E+06	-1.581E+03	0.000E+00	0.000E+00

506	1	0.00	2	2.648E+02	2.623E+03	9.397E+03	-7.112E+02	1.431E+06	1.581E+03	0.000E+00	0.000E+00
506	2	76.10	1	-2.693E+02	1.327E+03	-9.397E+03	7.112E+02	-7.158E+05	1.495E+05	-7.341E-03	-2.277E-02
506	2	76.10	2	2.648E+02	1.306E+03	9.397E+03	-7.112E+02	7.157E+05	1.511E+05	-7.364E-03	2.276E-02
506	3	152.20	1	-2.693E+02	1.034E+01	-9.397E+03	7.112E+02	-6.786E+02	2.004E+05	-1.027E-02	-8.618E-05
506	3	152.20	2	2.648E+02	-1.034E+01	9.397E+03	-7.112E+02	5.577E+02	2.004E+05	-1.027E-02	7.083E-05
506	4	228.30	1	-2.693E+02	-1.306E+03	-9.397E+03	7.112E+02	7.144E+05	1.511E+05	-7.363E-03	2.264E-02
506	4	228.30	2	2.648E+02	-1.327E+03	9.397E+03	-7.112E+02	-7.146E+05	1.495E+05	-7.342E-03	-2.265E-02
506	5	304.40	1	-2.693E+02	-2.623E+03	-9.397E+03	7.112E+02	1.430E+06	1.568E+03	2.726E-10	2.449E-08
506	5	304.40	2	2.648E+02	-2.643E+03	9.397E+03	-7.112E+02	-1.430E+06	-1.568E+03	2.772E-10	-2.449E-08
507	1	0.00	1	-2.646E+02	2.623E+03	9.397E+03	-3.875E+02	1.431E+06	1.581E+03	0.000E+00	0.000E+00
507	1	0.00	2	2.696E+02	2.643E+03	-9.397E+03	3.875E+02	-1.431E+06	-1.581E+03	0.000E+00	0.000E+00
507	2	76.10	1	-2.646E+02	1.306E+03	9.397E+03	-3.875E+02	7.157E+05	1.511E+05	-7.364E-03	2.276E-02
507	2	76.10	2	2.696E+02	1.327E+03	-9.397E+03	3.875E+02	-7.158E+05	1.495E+05	-7.341E-03	-2.277E-02
507	3	152.20	1	-2.646E+02	-1.034E+01	9.397E+03	-3.875E+02	5.584E+02	2.004E+05	-1.027E-02	7.091E-05
507	3	152.20	2	2.696E+02	1.034E+01	-9.397E+03	3.875E+02	-6.780E+02	2.004E+05	-1.027E-02	-8.610E-05
507	4	228.30	1	-2.646E+02	-1.327E+03	9.397E+03	-3.875E+02	-7.146E+05	1.495E+05	-7.342E-03	-2.265E-02
507	4	228.30	2	2.696E+02	-1.306E+03	-9.397E+03	3.875E+02	7.144E+05	1.511E+05	-7.363E-03	2.264E-02
507	5	304.40	1	-2.646E+02	-2.643E+03	9.397E+03	-3.875E+02	-1.430E+06	-1.568E+03	1.385E-10	-2.573E-08
507	5	304.40	2	2.696E+02	-2.623E+03	-9.397E+03	3.875E+02	1.430E+06	1.568E+03	1.358E-10	2.572E-08
508	1	0.00	1	1.129E+04	2.617E+03	1.493E+04	-3.300E+02	2.264E+06	2.502E+03	0.000E+00	0.000E+00
508	1	0.00	2	1.151E+04	2.650E+03	-1.493E+04	3.300E+02	-2.279E+06	-2.518E+03	0.000E+00	0.000E+00
508	2	76.10	1	1.129E+04	1.300E+03	1.493E+04	-3.300E+02	1.128E+06	1.515E+05	-7.370E-03	3.532E-02
508	2	76.10	2	1.151E+04	1.333E+03	-1.493E+04	3.300E+02	-1.143E+06	1.490E+05	-7.334E-03	-3.669E-02
508	3	152.20	1	1.129E+04	-1.648E+01	1.493E+04	-3.300E+02	-7.880E+03	2.004E+05	-1.027E-02	-1.001E-03
508	3	152.20	2	1.151E+04	1.648E+01	-1.493E+04	3.300E+02	-6.449E+03	2.004E+05	-1.027E-02	-8.190E-04
508	4	228.30	1	1.129E+04	-1.333E+03	1.493E+04	-3.300E+02	-1.144E+06	1.490E+05	-7.334E-03	-3.682E-02
508	4	228.30	2	1.151E+04	-1.300E+03	-1.493E+04	3.300E+02	1.130E+06	1.515E+05	-7.370E-03	3.546E-02
508	5	304.40	1	1.129E+04	-2.650E+03	1.493E+04	-3.300E+02	-2.280E+06	-2.516E+03	1.423E-10	6.201E-10
508	5	304.40	2	1.151E+04	-2.617E+03	-1.493E+04	3.300E+02	2.266E+06	2.500E+03	1.497E-10	-1.295E-09
509	1	0.00	1	1.153E+04	2.650E+03	-1.493E+04	8.283E+02	-2.264E+06	-2.502E+03	0.000E+00	0.000E+00
509	1	0.00	2	1.176E+04	2.617E+03	1.493E+04	-8.283E+02	2.279E+06	2.518E+03	0.000E+00	0.000E+00
509	2	76.10	1	1.153E+04	1.333E+03	-1.493E+04	8.283E+02	-1.128E+06	1.490E+05	-7.335E-03	-3.532E-02
509	2	76.10	2	1.176E+04	1.300E+03	1.493E+04	-8.283E+02	1.143E+06	1.515E+05	-7.371E-03	3.669E-02
509	3	152.20	1	1.153E+04	1.648E+01	-1.493E+04	8.283E+02	7.908E+03	2.004E+05	-1.027E-02	1.004E-03
509	3	152.20	2	1.176E+04	-1.648E+01	1.493E+04	-8.283E+02	6.478E+03	2.004E+05	-1.028E-02	8.227E-04
509	4	228.30	1	1.153E+04	-1.300E+03	-1.493E+04	8.283E+02	1.144E+06	1.515E+05	-7.370E-03	3.682E-02
509	4	228.30	2	1.176E+04	-1.333E+03	1.493E+04	-8.283E+02	-1.130E+06	1.490E+05	-7.335E-03	-3.545E-02
509	5	304.40	1	1.153E+04	-2.617E+03	-1.493E+04	8.283E+02	2.280E+06	2.516E+03	-1.250E-09	1.458E-08
509	5	304.40	2	1.176E+04	-2.650E+03	1.493E+04	-8.283E+02	-2.266E+06	-2.500E+03	-1.238E-09	-1.478E-08
510	1	0.00	1	-2.693E+02	2.643E+03	-9.397E+03	7.708E+02	-1.431E+06	-1.581E+03	0.000E+00	0.000E+00
510	1	0.00	2	2.648E+02	2.623E+03	9.397E+03	-7.708E+02	1.431E+06	1.581E+03	0.000E+00	0.000E+00
510	2	76.10	1	-2.693E+02	1.327E+03	-9.397E+03	7.708E+02	-7.158E+05	1.495E+05	-7.341E-03	-2.277E-02
510	2	76.10	2	2.648E+02	1.306E+03	9.397E+03	-7.708E+02	7.157E+05	1.511E+05	-7.364E-03	2.276E-02
510	3	152.20	1	-2.693E+02	1.034E+01	-9.397E+03	7.708E+02	-6.786E+02	2.004E+05	-1.027E-02	-8.618E-05
510	3	152.20	2	2.648E+02	-1.034E+01	9.397E+03	-7.708E+02	5.577E+02	2.004E+05	-1.027E-02	7.083E-05
510	4	228.30	1	-2.693E+02	-1.306E+03	-9.397E+03	7.708E+02	7.144E+05	1.511E+05	-7.363E-03	2.264E-02
510	4	228.30	2	2.648E+02	-1.327E+03	9.397E+03	-7.708E+02	-7.146E+05	1.495E+05	-7.342E-03	-2.265E-02
510	5	304.40	1	-2.693E+02	-2.623E+03	-9.397E+03	7.708E+02	1.430E+06	1.568E+03	2.781E-10	2.443E-08
510	5	304.40	2	2.648E+02	-2.643E+03	9.397E+03	-7.708E+02	-1.430E+06	-1.568E+03	2.717E-10	-2.443E-08
511	1	0.00	1	-2.646E+02	2.623E+03	9.397E+03	-3.003E+02	1.431E+06	1.581E+03	0.000E+00	0.000E+00
511	1	0.00	2	2.696E+02	2.643E+03	-9.397E+03	3.003E+02	-1.431E+06	-1.581E+03	0.000E+00	0.000E+00
511	2	76.10	1	-2.646E+02	1.306E+03	9.397E+03	-3.003E+02	7.157E+05	1.511E+05	-7.364E-03	2.276E-02
511	2	76.10	2	2.696E+02	1.327E+03	-9.397E+03	3.003E+02	-7.158E+05	1.495E+05	-7.341E-03	-2.277E-02
511	3	152.20	1	-2.646E+02	-1.034E+01	9.397E+03	-3.003E+02	5.584E+02	2.004E+05	-1.027E-02	7.091E-05
511	3	152.20	2	2.696E+02	1.034E+01	-9.397E+03	3.003E+02	-6.780E+02	2.004E+05	-1.027E-02	-8.610E-05
511	4	228.30	1	-2.646E+02	-1.327E+03	9.397E+03	-3.003E+02	-7.146E+05	1.495E+05	-7.342E-03	-2.265E-02
511	4	228.30	2	2.696E+02	-1.306E+03	-9.397E+03	3.003E+02	7.144E+05	1.511E+05	-7.363E-03	2.264E-02
511	5	304.40	1	-2.646E+02	-2.643E+03	9.397E+03	-3.003E+02	-1.430E+06	-1.568E+03	1.429E-10	-2.563E-08
511	5	304.40	2	2.696E+02	-2.623E+03	-9.397E+03	3.003E+02	1.430E+06	1.568E+03	1.314E-10	2.562E-08
512	1	0.00	1	1.129E+04	2.617E+03	1.493E+04	-2.428E+02	2.264E+06	2.502E+03	0.000E+00	0.000E+00
512	1	0.00	2	1.151E+04	2.650E+03	-1.493E+04	2.428E+02	-2.279E+06	-2.518E+03	0.000E+00	0.000E+00
512	2	76.10	1	1.129E+04	1.300E+03	1.493E+04	-2.428E+02	1.128E+06	1.515E+05	-7.370E-03	3.532E-02

512	2	76.10	2	1.151E+04	1.333E+03	-1.493E+04	2.428E+02	-1.143E+06	1.490E+05	-7.334E-03	-3.669E-02
512	3	152.20	1	1.129E+04	-1.648E+01	1.493E+04	-2.428E+02	-7.880E+03	2.004E+05	-1.027E-02	-1.001E-03
512	3	152.20	2	1.151E+04	1.648E+01	-1.493E+04	2.428E+02	-6.449E+03	2.004E+05	-1.027E-02	-8.190E-04
512	4	228.30	1	1.129E+04	-1.333E+03	1.493E+04	-2.428E+02	-1.144E+06	1.490E+05	-7.334E-03	-3.682E-02
512	4	228.30	2	1.151E+04	-1.300E+03	-1.493E+04	2.428E+02	1.130E+06	1.515E+05	-7.370E-03	3.546E-02
512	5	304.40	1	1.129E+04	-2.650E+03	1.493E+04	-2.428E+02	-2.280E+06	-2.516E+03	1.511E-10	5.228E-10
512	5	304.40	2	1.151E+04	-2.617E+03	-1.493E+04	2.428E+02	2.266E+06	2.500E+03	1.409E-10	-1.198E-09
513	1	0.00	1	1.153E+04	2.650E+03	-1.493E+04	7.400E+02	-2.264E+06	-2.502E+03	0.000E+00	0.000E+00
513	1	0.00	2	1.176E+04	2.617E+03	1.493E+04	-7.400E+02	2.279E+06	2.518E+03	0.000E+00	0.000E+00
513	2	76.10	1	1.153E+04	1.333E+03	-1.493E+04	7.400E+02	-1.128E+06	1.490E+05	-7.335E-03	-3.532E-02
513	2	76.10	2	1.176E+04	1.300E+03	1.493E+04	-7.400E+02	1.143E+06	1.515E+05	-7.371E-03	3.669E-02
513	3	152.20	1	1.153E+04	1.648E+01	-1.493E+04	7.400E+02	7.908E+03	2.004E+05	-1.027E-02	1.004E-03
513	3	152.20	2	1.176E+04	-1.648E+01	1.493E+04	-7.400E+02	6.478E+03	2.004E+05	-1.028E-02	8.227E-04
513	4	228.30	1	1.153E+04	-1.300E+03	-1.493E+04	7.400E+02	1.144E+06	1.515E+05	-7.370E-03	3.682E-02
513	4	228.30	2	1.176E+04	-1.333E+03	1.493E+04	-7.400E+02	-1.130E+06	1.490E+05	-7.335E-03	-3.545E-02
513	5	304.40	1	1.153E+04	-2.617E+03	-1.493E+04	7.400E+02	2.280E+06	2.516E+03	-1.239E-09	1.448E-08
513	5	304.40	2	1.176E+04	-2.650E+03	1.493E+04	-7.400E+02	-2.266E+06	-2.500E+03	-1.249E-09	-1.468E-08
514	1	0.00	1	-2.693E+02	2.643E+03	-9.397E+03	6.825E+02	-1.431E+06	-1.581E+03	0.000E+00	0.000E+00
514	1	0.00	2	2.648E+02	2.623E+03	9.397E+03	-6.825E+02	1.431E+06	1.581E+03	0.000E+00	0.000E+00
514	2	76.10	1	-2.693E+02	1.327E+03	-9.397E+03	6.825E+02	-7.158E+05	1.495E+05	-7.341E-03	-2.277E-02
514	2	76.10	2	2.648E+02	1.306E+03	9.397E+03	-6.825E+02	7.157E+05	1.511E+05	-7.364E-03	2.276E-02
514	3	152.20	1	-2.693E+02	1.034E+01	-9.397E+03	6.825E+02	-6.786E+02	2.004E+05	-1.027E-02	-8.618E-05
514	3	152.20	2	2.648E+02	-1.034E+01	9.397E+03	-6.825E+02	5.577E+02	2.004E+05	-1.027E-02	7.083E-05
514	4	228.30	1	-2.693E+02	-1.306E+03	-9.397E+03	6.825E+02	7.144E+05	1.511E+05	-7.363E-03	2.264E-02
514	4	228.30	2	2.648E+02	-1.327E+03	9.397E+03	-6.825E+02	-7.146E+05	1.495E+05	-7.342E-03	-2.265E-02
514	5	304.40	1	-2.693E+02	-2.623E+03	-9.397E+03	6.825E+02	1.430E+06	1.568E+03	2.827E-10	2.452E-08
514	5	304.40	2	2.648E+02	-2.643E+03	9.397E+03	-6.825E+02	-1.430E+06	-1.568E+03	2.671E-10	-2.452E-08
515	1	0.00	1	-2.646E+02	2.623E+03	9.397E+03	-4.078E+02	1.431E+06	1.581E+03	0.000E+00	0.000E+00
515	1	0.00	2	2.696E+02	2.643E+03	-9.397E+03	4.078E+02	-1.431E+06	-1.581E+03	0.000E+00	0.000E+00
515	2	76.10	1	-2.646E+02	1.306E+03	9.397E+03	-4.078E+02	7.157E+05	1.511E+05	-7.364E-03	2.276E-02
515	2	76.10	2	2.696E+02	1.327E+03	-9.397E+03	4.078E+02	-7.158E+05	1.495E+05	-7.341E-03	-2.277E-02
515	3	152.20	1	-2.646E+02	-1.034E+01	9.397E+03	-4.078E+02	5.584E+02	2.004E+05	-1.027E-02	7.091E-05
515	3	152.20	2	2.696E+02	1.034E+01	-9.397E+03	4.078E+02	-6.780E+02	2.004E+05	-1.027E-02	-8.610E-05
515	4	228.30	1	-2.646E+02	-1.327E+03	9.397E+03	-4.078E+02	-7.146E+05	1.495E+05	-7.342E-03	-2.265E-02
515	4	228.30	2	2.696E+02	-1.306E+03	-9.397E+03	4.078E+02	7.144E+05	1.511E+05	-7.363E-03	2.264E-02
515	5	304.40	1	-2.646E+02	-2.643E+03	9.397E+03	-4.078E+02	-1.430E+06	-1.568E+03	1.408E-10	-2.575E-08
515	5	304.40	2	2.696E+02	-2.623E+03	-9.397E+03	4.078E+02	1.430E+06	1.568E+03	1.335E-10	2.575E-08
516	1	0.00	1	1.143E+04	2.617E+03	1.493E+04	-3.503E+02	2.264E+06	2.502E+03	0.000E+00	0.000E+00
516	1	0.00	2	1.165E+04	2.650E+03	-1.493E+04	3.503E+02	-2.279E+06	-2.518E+03	0.000E+00	0.000E+00
516	2	76.10	1	1.143E+04	1.300E+03	1.493E+04	-3.503E+02	1.128E+06	1.515E+05	-7.370E-03	3.531E-02
516	2	76.10	2	1.165E+04	1.333E+03	-1.493E+04	3.503E+02	-1.143E+06	1.490E+05	-7.334E-03	-3.669E-02
516	3	152.20	1	1.143E+04	-1.648E+01	1.493E+04	-3.503E+02	-7.968E+03	2.004E+05	-1.027E-02	-1.012E-03
516	3	152.20	2	1.165E+04	1.648E+01	-1.493E+04	3.503E+02	-6.537E+03	2.004E+05	-1.027E-02	-8.302E-04
516	4	228.30	1	1.143E+04	-1.333E+03	1.493E+04	-3.503E+02	-1.144E+06	1.490E+05	-7.334E-03	-3.683E-02
516	4	228.30	2	1.165E+04	-1.300E+03	-1.493E+04	3.503E+02	1.130E+06	1.515E+05	-7.370E-03	3.545E-02
516	5	304.40	1	1.143E+04	-2.650E+03	1.493E+04	-3.503E+02	-2.280E+06	-2.516E+03	1.402E-10	6.476E-10
516	5	304.40	2	1.165E+04	-2.617E+03	-1.493E+04	3.503E+02	2.266E+06	2.500E+03	1.517E-10	-1.314E-09
517	1	0.00	1	1.168E+04	2.650E+03	-1.493E+04	8.489E+02	-2.264E+06	-2.502E+03	0.000E+00	0.000E+00
517	1	0.00	2	1.190E+04	2.617E+03	1.493E+04	-8.489E+02	2.279E+06	2.518E+03	0.000E+00	0.000E+00
517	2	76.10	1	1.168E+04	1.333E+03	-1.493E+04	8.489E+02	-1.128E+06	1.490E+05	-7.335E-03	-3.531E-02
517	2	76.10	2	1.190E+04	1.300E+03	1.493E+04	-8.489E+02	1.143E+06	1.515E+05	-7.371E-03	3.670E-02
517	3	152.20	1	1.168E+04	1.648E+01	-1.493E+04	8.489E+02	7.998E+03	2.004E+05	-1.027E-02	1.016E-03
517	3	152.20	2	1.190E+04	-1.648E+01	1.493E+04	-8.489E+02	6.568E+03	2.004E+05	-1.028E-02	8.341E-04
517	4	228.30	1	1.168E+04	-1.300E+03	-1.493E+04	8.489E+02	1.144E+06	1.515E+05	-7.370E-03	3.683E-02
517	4	228.30	2	1.190E+04	-1.333E+03	1.493E+04	-8.489E+02	-1.130E+06	1.490E+05	-7.335E-03	-3.545E-02
517	5	304.40	1	1.168E+04	-2.617E+03	-1.493E+04	8.489E+02	2.280E+06	2.516E+03	-1.238E-09	1.461E-08
517	5	304.40	2	1.190E+04	-2.650E+03	1.493E+04	-8.489E+02	-2.266E+06	-2.500E+03	-1.250E-09	-1.480E-08
518	1	0.00	1	-2.693E+02	2.643E+03	-9.397E+03	7.913E+02	-1.431E+06	-1.581E+03	0.000E+00	0.000E+00
518	1	0.00	2	2.648E+02	2.623E+03	9.397E+03	-7.913E+02	1.431E+06	1.581E+03	0.000E+00	0.000E+00
518	2	76.10	1	-2.693E+02	1.327E+03	-9.397E+03	7.913E+02	-7.158E+05	1.495E+05	-7.341E-03	-2.277E-02
518	2	76.10	2	2.648E+02	1.306E+03	9.397E+03	-7.913E+02	7.157E+05	1.511E+05	-7.364E-03	2.276E-02
518	3	152.20	1	-2.693E+02	1.034E+01	-9.397E+03	7.913E+02	-6.786E+02	2.004E+05	-1.027E-02	-8.618E-05