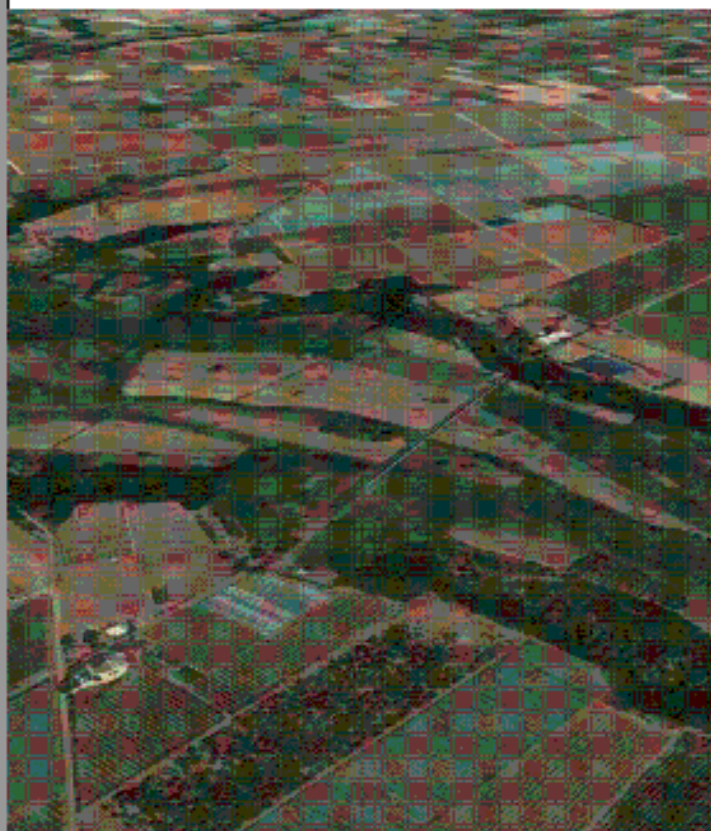


# CONSORZIO DI BONIFICA STORNARA E TARA

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

366	2	30715.24	-178.45	57.60	2	-1.417E-01	-1.381E+01	-2.243E+00	-5.890E+02	-3.373E+03	-3.120E+02	2.169E-01	-1.416E+01	-1.586E-01	-5.544E+02	-3.408E+03	-1.102E-01
366	3	30742.40	-167.95	57.60	1	-2.996E+00	1.666E+01	3.098E+00	-1.801E+03	-1.276E+04	4.122E+02	1.714E+01	-3.472E+00	1.418E+00	-1.785E+03	-1.278E+04	3.753E-02
366	3	30742.40	-167.95	57.60	2	1.194E+00	-1.539E+01	-4.950E-01	-9.626E+02	-1.033E+04	-1.319E+02	1.209E+00	-1.541E+01	-2.980E-02	-9.608E+02	-1.033E+04	-1.408E-02
366	4	30715.24	-157.45	57.60	1	-8.479E-01	1.779E+01	4.342E+00	-1.782E+03	-7.919E+03	1.637E+03	1.875E+01	-1.810E+00	1.353E+00	-1.372E+03	-8.328E+03	2.450E-01
366	4	30715.24	-157.45	57.60	2	1.209E+00	-1.698E+01	-2.243E+00	-3.049E+02	-2.961E+03	8.662E+02	1.482E+00	-1.726E+01	-1.209E-01	-4.735E+01	-3.219E+03	2.890E-01
367	1	30769.57	-167.95	57.60	1	-2.996E+00	1.665E+01	-3.097E+00	-1.819E+03	-1.275E+04	3.729E+02	1.713E+01	-3.473E+00	1.723E+00	-1.806E+03	-1.276E+04	3.406E-02
367	1	30769.57	-167.95	57.60	2	1.193E+00	-1.540E+01	4.954E-01	-9.509E+02	-1.033E+04	-1.452E+02	1.208E+00	-1.542E+01	2.982E-02	-9.486E+02	-1.034E+04	-1.547E-02
367	2	30796.74	-178.45	57.60	1	1.236E-01	1.552E+01	-4.351E+00	-1.172E+02	-7.704E+03	-6.741E+02	1.666E+01	-1.021E+00	1.828E+00	-5.776E+01	-7.764E+03	-8.793E-02
367	2	30796.74	-178.45	57.60	2	-1.324E-01	-1.382E+01	2.235E+00	-5.954E+02	-3.342E+03	3.364E+02	2.235E-01	-1.418E+01	1.579E-01	-5.548E+02	-3.383E+03	1.201E-01
367	3	30823.90	-167.95	57.60	1	2.275E+00	1.666E+01	-5.603E+00	-8.183E+02	-2.925E+03	-3.601E+02	1.858E+01	3.501E-01	1.902E+00	-7.585E+02	-2.985E+03	-1.647E-01
367	3	30823.90	-167.95	57.60	2	-1.134E-01	-1.540E+01	3.975E+00	-2.444E+02	4.070E+03	-5.140E+02	8.583E-01	-1.637E+01	2.398E-01	4.131E+03	-3.048E+02	1.688E+00
367	4	30796.74	-157.45	57.60	1	-8.448E-01	1.779E+01	-4.349E+00	-1.810E+03	-7.971E+03	-1.601E+03	1.876E+01	-1.810E+00	1.789E+00	-1.418E+03	-8.363E+03	-2.396E-01
367	4	30796.74	-157.45	57.60	2	1.212E+00	-1.698E+01	2.235E+00	-2.961E+02	-2.922E+03	-8.433E+02	1.483E+00	-1.725E+01	1.204E-01	-4.860E+01	-3.169E+03	-2.855E-01
368	1	30842.24	-167.95	57.60	1	-3.247E-01	-6.772E-01	-2.756E+00	2.234E+03	6.806E+03	-1.057E+03	2.261E+00	-3.263E+00	-7.535E-01	7.038E+03	2.001E+03	1.787E+00
368	1	30842.24	-167.95	57.60	2	2.100E+00	-6.471E-01	4.994E+00	1.795E+03	3.578E+03	-1.142E+03	5.906E+00	-4.454E+00	6.512E-01	4.135E+03	1.238E+03	2.025E+00
368	2	30851.74	-178.45	57.60	1	-5.023E-02	3.401E+00	-1.330E+00	3.277E+02	3.001E+03	-1.972E+03	3.854E+00	-5.033E-01	1.899E+00	4.047E+03	-7.183E+02	2.058E+00
368	2	30851.74	-178.45	57.60	2	-3.713E-02	-5.776E+00	2.446E+00	9.146E+02	2.108E+03	-1.133E+03	8.640E-01	-6.677E+00	3.530E-01	2.792E+03	2.302E+02	2.114E+00
368	3	30861.24	-167.95	57.60	1	2.395E+00	-1.482E+00	-7.920E-01	4.309E+03	1.133E+03	-2.450E+03	2.551E+00	-1.638E+00	-1.939E-01	5.641E+03	-1.986E+02	-4.978E-01
368	3	30861.24	-167.95	57.60	2	-5.180E+00	1.505E+00	2.275E+00	1.019E+03	5.277E+01	-9.752E+02	2.206E+00	-5.881E+00	1.272E+00	1.624E+03	-5.525E+02	-5.555E-01
368	4	30851.74	-157.45	57.60	1	2.121E+00	-5.561E+00	-2.218E+00	5.378E+03	6.036E+03	-3.811E+03	2.715E+00	-6.155E+00	-2.619E-01	9.532E+03	1.882E+03	2.313E+00
368	4	30851.74	-157.45	57.60	2	-3.043E+00	6.634E+00	4.823E+00	1.525E+03	2.014E+03	-9.326E+02	8.627E+00	-5.037E+00	1.179E+00	2.734E+03	8.053E+02	2.228E+00
369	1	30660.24	-146.95	57.60	1	-6.694E+00	-5.367E+00	8.691E+00	5.374E+03	5.893E+03	-2.818E+03	2.686E+00	-1.475E+01	8.235E-01	8.463E+03	2.804E+03	2.310E+00
369	1	30660.24	-146.95	57.60	2	6.763E+00	-2.109E+00	-6.402E+00	1.171E+03	-1.188E+03	-1.808E+02	1.012E+01	-5.462E+00	-4.824E-01	1.184E+03	-1.202E+03	-7.603E-02
369	2	30669.74	-136.45	57.60	1	-1.937E+00	-8.618E+00	8.849E+00	8.141E+03	-4.713E+03	-3.613E+03	4.181E+00	-1.474E+01	6.049E-01	9.087E+03	-5.659E+03	-2.561E-01
369	2	30669.74	-136.45	57.60	2	2.757E+00	-1.680E+00	-7.509E+00	3.595E+03	-7.516E+03	5.401E+02	8.368E+00	-7.291E+00	-6.418E-01	3.622E+03	-7.542E+03	4.846E-02
369	3	30660.24	-125.95	57.60	1	1.486E+00	-7.349E+00	7.215E+00	2.791E+03	-1.869E+04	-1.216E+03	5.528E+00	-1.139E+01	5.107E-01	2.860E+03	-1.876E+04	-5.637E-02
369	3	30660.24	-125.95	57.60	2	-1.596E+00	-8.393E-02	-6.783E+00	2.972E+03	-1.477E+04	5.741E+02	5.985E+00	-7.665E+00	2.301E+00	2.991E+03	-1.479E+04	3.232E-02
369	4	30650.74	-136.45	57.60	1	-3.271E+00	-4.098E+00	7.057E+00	2.099E+02	-8.227E+03	-3.595E+03	3.384E+00	-1.075E+01	7.561E-01	1.534E+03	-9.551E+03	-3.529E-01
369	4	30650.74	-136.45	57.60	2	2.410E+00	-5.127E-01	-5.676E+00	1.262E+03	-8.986E+03	-1.131E+03	6.810E+00	-4.913E+00	-6.594E-01	1.385E+03	-9.109E+03	-1.087E-01
370	1	30715.24	-146.95	57.60	1	1.705E+01	-5.769E+00	3.258E+00	-8.383E+03	-4.494E+03	-1.801E+03	1.751E+01	-6.225E+00	1.391E-01	-3.788E+03	-9.089E+03	1.944E+00
370	1	30715.24	-146.95	57.60	2	-1.706E+01	6.820E-01	-5.214E+00	-3.311E+03	-1.876E+03	-1.777E+03	2.101E+00	-1.848E+01	1.836E+00	-6.773E+02	-4.510E+03	2.164E+00
370	2	30742.40	-136.45	57.60	1	1.189E+01	-6.015E-01	-2.424E+00	-1.219E+04	-9.840E+03	-6.372E+02	1.234E+01	-1.055E+00	-1.851E-01	-9.678E+03	-1.235E+04	1.819E+00
370	2	30742.40	-136.45	57.60	2	-1.198E+01	9.355E-01	3.742E-01	-1.008E+04	-1.027E+04	-1.196E+03	9.463E-01	-1.199E+01	1.542E+00	-8.975E+03	-1.137E+04	-7.458E-01
370	3	30715.24	-125.95	57.60	1	6.723E+00	-1.377E+00	3.257E+00	-6.968E+03	-1.031E+04	-2.914E+03	7.871E+00	-2.524E+00	3.386E-01	-5.280E+03	-1.200E+04	-5.250E-01
370	3	30715.24	-125.95	57.60	2	-6.902E+00	-3.638E+00	-5.214E+00	-5.380E+03	-1.509E+04	-2.708E+03	1.939E-01	-1.073E+01	2.205E+00	-4.676E+03	-1.580E+04	-2.543E-01
370	4	30688.07	-136.45	57.60	1	1.189E+01	-6.544E+00	8.940E+00	-3.163E+03	-7.812E+03	-4.700E+03	1.551E+01	-1.017E+01	3.851E-01	-2.443E+02	-1.073E+04	-5.557E-01
370	4	30688.07	-136.45	57.60	2	-1.198E+01	-3.891E+00	-1.080E+01	1.387E+03	-9.740E+03	-1.129E+03	3.598E+00	-1.947E+01	2.177E+00	1.500E+03	-9.853E+03	-1.001E-01
371	1	30796.74	-146.95	57.60	1	1.705E+01	-5.826E+00	-3.250E+00	-8.432E+03	-4.502E+03	1.769E+03	1.750E+01	-6.279E+00	-1.384E-01	-3.823E+03	-9.111E+03	1.204E+00
371	1	30796.74	-146.95	57.60	2	-1.707E+01	6.243E-01	5.222E+00	-3.263E+03	-1.805E+03	1.757E+03	2.050E+00	-1.850E+01	1.304E+00	-6.315E+02	-4.436E+03	9.820E-01
371	2	30823.90	-136.45	57.60	1	1.188E+01	-6.661E+00	-8.928E+00	-3.222E+03	-7.718E+03	4.716E+03	1.548E+01	-1.026E+01	-3.833E-01	-2.454E+02	-1.069E+04	5.630E-01
371	2	30823.90	-136.45	57.60	2	-1.199E+01	-4.008E+00	1.081E+01	1.460E+03	-9.694E+03	1.091E+03	3.528E+00	-1.952E+01	9.621E-01	1.566E+03	-9.800E+03	9.658E-02
371	3	30796.74	-125.95	57.60	1	6.722E+00	-1.437E+00	-3.249E+00	-6.977E+03	-1.023E+04	2.890E+03	7.857E+00	-2.573E+00	-3.363E-01	-5.287E+03	-1.192E+04	5.292E-01
371	3	30796.74	-125.95	57.60	2	-6.904E+00	-3.698E+00	5.223E+00	-5.363E+03	-1.512E+04	2.714E+03	1.626E-01	-1.076E+01	9.343E-01	-4.658E+03	-1.582E+04	2.539E-01

371	4	30769.57	-136.45	57.60	1	1.189E+01	-6.021E-01	2.429E+00	-1.219E+04	-9.847E+03	-6.083E+02	1.234E+01	-1.058E+00	1.855E-01	-9.699E+03	-1.234E+04	1.810E+00
371	4	30769.57	-136.45	57.60	2	-1.199E+01	9.347E-01	-3.690E-01	-1.009E+04	-1.026E+04	-1.187E+03	9.452E-01	-1.200E+01	1.599E+00	-8.982E+03	-1.136E+04	-7.496E-01
372	1	30851.74	-146.95	57.60	1	-6.697E+00	-5.458E+00	-8.722E+00	5.424E+03	6.023E+03	2.845E+03	2.667E+00	-1.482E+01	2.321E+00	8.584E+03	2.864E+03	8.379E-01
372	1	30851.74	-146.95	57.60	2	6.760E+00	-2.200E+00	6.370E+00	1.129E+03	-1.199E+03	1.621E+02	1.007E+01	-5.508E+00	4.789E-01	1.141E+03	-1.211E+03	6.915E-02
372	2	30861.24	-136.45	57.60	1	-3.282E+00	-4.165E+00	-7.080E+00	1.925E+02	-8.167E+03	3.607E+03	3.370E+00	-1.082E+01	-7.543E-01	1.534E+03	-9.509E+03	3.560E-01
372	2	30861.24	-136.45	57.60	2	2.402E+00	-5.794E-01	5.653E+00	1.266E+03	-8.942E+03	1.102E+03	6.758E+00	-4.935E+00	6.565E-01	1.384E+03	-9.060E+03	1.064E-01
372	3	30851.74	-125.95	57.60	1	1.485E+00	-7.440E+00	-7.231E+00	2.799E+03	-1.867E+04	1.223E+03	5.519E+00	-1.147E+01	-5.089E-01	2.868E+03	-1.874E+04	5.673E-02
372	3	30851.74	-125.95	57.60	2	-1.597E+00	-1.754E-01	6.768E+00	2.986E+03	-1.467E+04	-5.947E+02	5.919E+00	-7.691E+00	8.377E-01	3.006E+03	-1.469E+04	-3.363E-02
372	4	30842.24	-136.45	57.60	1	-1.931E+00	-8.733E+00	-8.873E+00	8.202E+03	-4.613E+03	3.641E+03	4.171E+00	-1.483E+01	-6.024E-01	9.164E+03	-5.575E+03	2.584E-01
372	4	30842.24	-136.45	57.60	2	2.761E+00	-1.796E+00	7.485E+00	3.560E+03	-7.474E+03	-5.923E+02	8.306E+00	-7.342E+00	6.377E-01	3.592E+03	-7.506E+03	-5.347E-02
373	1	30650.74	-60.35	57.60	1	-4.110E+00	1.107E+00	8.109E-01	-5.537E+04	-8.789E+02	-1.902E+03	1.230E+00	-4.233E+00	1.420E+00	-8.126E+02	-5.543E+04	1.606E+00
373	1	30650.74	-60.35	57.60	2	-4.280E-01	-9.625E-01	-8.219E-01	-5.631E+04	-5.540E+02	-6.187E+03	1.690E-01	-1.559E+00	-6.282E-01	1.244E+02	-5.699E+04	1.680E+00
373	2	30660.24	-100.58	57.60	1	-3.535E+00	2.058E+00	1.695E+00	-3.526E+04	-5.528E+03	2.878E+03	2.531E+00	-4.009E+00	1.298E+00	-5.252E+03	-3.554E+04	1.475E+00
373	2	30660.24	-100.58	57.60	2	-9.164E-01	-1.721E+00	-1.582E+00	-3.681E+04	-5.107E+03	-2.562E+03	3.136E-01	-2.951E+00	-6.608E-01	-4.901E+03	-3.702E+04	1.651E+00
373	3	30669.74	-60.35	57.60	1	-3.157E+00	6.780E-01	7.646E-01	-5.506E+04	-1.763E+03	3.372E+03	8.248E-01	-3.304E+00	1.381E+00	-1.550E+03	-5.528E+04	1.508E+00
373	3	30669.74	-60.35	57.60	2	-1.246E+00	-5.940E-01	-7.844E-01	-5.640E+04	-2.119E+03	-9.179E+02	-7.061E-02	-1.770E+00	2.159E+00	-2.104E+03	-5.642E+04	1.588E+00
373	4	30660.24	-20.12	57.60	1	-3.732E+00	-2.729E-01	-1.195E-01	-7.532E+04	1.350E+03	3.002E+03	-2.687E-01	-3.736E+00	1.605E+00	1.468E+03	-7.543E+04	1.532E+00
373	4	30660.24	-20.12	57.60	2	-7.577E-01	1.648E-01	-2.423E-02	-7.605E+04	8.712E+02	-1.564E+03	1.655E-01	-7.583E-01	1.597E+00	9.030E+02	-7.608E+04	1.591E+00
374	1	30688.07	-60.35	57.60	1	-2.786E+00	3.153E+00	9.392E-01	-5.677E+04	-7.414E+03	3.733E+03	3.298E+00	-2.931E+00	1.418E+00	-7.134E+03	-5.705E+04	1.496E+00
374	1	30688.07	-60.35	57.60	2	-1.617E+00	-3.066E+00	-4.625E-01	-5.746E+04	-3.488E+03	8.043E+01	-1.482E+00	-3.201E+00	-2.841E-01	-3.488E+03	-5.746E+04	1.569E+00
374	2	30715.24	-100.58	57.60	1	-3.142E+00	6.459E+00	1.377E+00	-2.742E+04	-2.588E+04	4.404E+03	6.652E+00	-3.335E+00	1.431E+00	-2.218E+04	-3.112E+04	8.723E-01
374	2	30715.24	-100.58	57.60	2	-4.777E-01	-6.428E+00	-4.415E-01	-2.795E+04	-1.864E+04	1.635E+03	-4.451E-01	-6.461E+00	-7.366E-02	-1.836E+04	-2.823E+04	1.402E+00
374	3	30742.40	-60.35	57.60	1	-2.459E+00	3.036E+00	1.641E+00	-5.372E+04	-3.075E+04	2.353E+03	3.489E+00	-2.912E+00	1.302E+00	-3.051E+04	-5.396E+04	1.470E+00
374	3	30742.40	-60.35	57.60	2	-3.051E-01	-3.534E+00	-1.115E+00	-5.556E+04	-2.813E+04	1.512E+03	4.254E-02	-3.882E+00	-3.022E-01	-2.804E+04	-5.564E+04	1.516E+00
374	4	30715.24	-20.12	57.60	1	-2.103E+00	-2.690E-01	1.204E+00	-7.936E+04	-2.357E+04	3.529E+03	3.272E-01	-2.699E+00	1.111E+00	-2.334E+04	-7.958E+04	1.508E+00
374	4	30715.24	-20.12	57.60	2	-1.444E+00	-1.717E-01	-1.136E+00	-8.159E+04	-2.357E+04	1.632E+03	4.941E-01	-2.110E+00	2.101E+00	-2.352E+04	-8.164E+04	1.543E+00
375	1	30769.57	-60.35	57.60	1	-2.460E+00	3.029E+00	-1.643E+00	-5.372E+04	-3.078E+04	2.353E+03	3.483E+00	-2.914E+00	1.841E+00	-3.054E+04	-5.396E+04	1.470E+00
375	1	30769.57	-60.35	57.60	2	-3.063E-01	-3.542E+00	1.113E+00	-5.555E+04	-2.811E+04	1.526E+03	3.959E-02	-3.888E+00	3.013E-01	-2.803E+04	-5.564E+04	1.515E+00
375	2	30796.74	-100.58	57.60	1	-3.170E+00	6.462E+00	-1.393E+00	-2.742E+04	-2.595E+04	-4.379E+03	6.659E+00	-3.368E+00	1.712E+00	-2.224E+04	-3.112E+04	2.273E+00
375	2	30796.74	-100.58	57.60	2	-5.062E-01	-6.425E+00	4.253E-01	-2.793E+04	-1.858E+04	-1.626E+03	-4.758E-01	-6.456E+00	7.137E-02	-1.830E+04	-2.820E+04	1.738E+00
375	3	30823.90	-60.35	57.60	1	-2.841E+00	3.165E+00	-9.410E-01	-5.674E+04	-7.444E+03	-3.756E+03	3.309E+00	-2.985E+00	1.723E+00	-7.159E+03	-5.703E+04	1.646E+00
375	3	30823.90	-60.35	57.60	2	-1.672E+00	-3.054E+00	4.607E-01	-5.745E+04	-3.441E+03	-6.721E+01	-1.533E+00	-3.193E+00	2.941E-01	-3.441E+03	-5.745E+04	1.572E+00
375	4	30796.74	-20.12	57.60	1	-2.131E+00	-2.682E-01	-1.191E+00	-7.934E+04	-2.356E+04	-3.533E+03	3.124E-01	-2.711E+00	2.024E+00	-2.334E+04	-7.956E+04	1.634E+00
375	4	30796.74	-20.12	57.60	2	-1.472E+00	-1.709E-01	1.149E+00	-8.160E+04	-2.356E+04	-1.629E+03	4.984E-01	-2.142E+00	1.043E+00	-2.352E+04	-8.164E+04	1.599E+00
376	1	30842.24	-60.35	57.60	1	-3.214E+00	6.779E-01	-7.592E-01	-5.503E+04	-1.762E+03	-3.393E+03	8.207E-01	-3.357E+00	1.757E+00	-1.547E+03	-5.525E+04	1.634E+00
376	1	30842.24	-60.35	57.60	2	-1.304E+00	-5.953E-01	7.898E-01	-5.640E+04	-2.121E+03	9.511E+02	-8.389E-02	-1.815E+00	9.962E-01	-2.104E+03	-5.641E+04	1.553E+00
376	2	30851.74	-100.58	57.60	1	-3.598E+00	2.061E+00	-1.701E+00	-3.521E+04	-5.539E+03	-2.918E+03	2.533E+00	-4.070E+00	1.841E+00	-5.254E+03	-3.550E+04	1.668E+00
376	2	30851.74	-100.58	57.60	2	-9.796E-01	-1.718E+00	1.576E+00	-3.680E+04	-5.095E+03	2.605E+03	2.701E-01	-2.968E+00	6.704E-01	-4.882E+03	-3.701E+04	1.489E+00
376	3	30861.24	-60.35	57.60	1	-4.179E+00	1.111E+00	-8.056E-01	-5.534E+04	-8.786E+02	1.883E+03	1.231E+00	-4.299E+00	1.719E+00	-8.135E+02	-5.540E+04	1.536E+00
376	3	30861.24	-60.35	57.60	2	-4.971E-01	-9.572E-01	8.272E-01	-5.630E+04	-5.443E+02	6.224E+03	1.314E-01	-1.586E+00	6.498E-01	1.420E+02	-5.698E+04	1.461E+00
376	4	30851.74	-20.12	57.60	1	-3.795E+00	-2.723E-01	1.361E-01	-7.530E+04	1.362E+03	-1.592E+03	-2.671E-01	-3.800E+00	1.532E+00	1.396E+03	-7.534E+04	1.592E+00
376	4	30851.74	-20.12	57.60	2	-8.211E-01	1.654E-01	4.083E-02	-7.604E+04	8.689E+02	3.036E+03	1.671E-01	-8.228E-01	1.530E+00	9.885E+02	-7.616E+04	1.531E+00
377	1	30650.74	60.35	57.60	1	-4.952E-01	-9.603E-01	8.221E-01	-5.627E+04	-5.531E+02	6.188E+03	1.267E-01	-1.582E+00	6.476E-01	1.260E+02	-5.695E+04	1.462E+00

377	1	30650.74	60.35	57.60	2	-4.043E+00	1.105E+00	-8.111E-01	-5.541E+04	-8.798E+02	1.901E+03	1.230E+00	-4.168E+00	1.723E+00	-8.136E+02	-5.547E+04	1.536E+00
377	2	30660.24	20.12	57.60	1	-8.241E-01	1.633E-01	2.660E-02	-7.601E+04	8.715E+02	3.003E+03	1.640E-01	-8.248E-01	1.544E+00	9.886E+02	-7.613E+04	1.532E+00
377	2	30660.24	20.12	57.60	2	-3.665E+00	-2.713E-01	1.171E-01	-7.535E+04	1.350E+03	-1.564E+03	-2.673E-01	-3.669E+00	1.536E+00	1.382E+03	-7.539E+04	1.591E+00
377	3	30669.74	60.35	57.60	1	-1.311E+00	-5.928E-01	7.848E-01	-5.636E+04	-2.119E+03	9.184E+02	-8.893E-02	-1.815E+00	1.000E+00	-2.104E+03	-5.638E+04	1.554E+00
377	3	30669.74	60.35	57.60	2	-3.092E+00	6.768E-01	-7.649E-01	-5.510E+04	-1.762E+03	-3.373E+03	8.261E-01	-3.241E+00	1.764E+00	-1.550E+03	-5.531E+04	1.634E+00
377	4	30660.24	100.58	57.60	1	-9.823E-01	-1.716E+00	1.580E+00	-3.677E+04	-5.105E+03	2.563E+03	2.731E-01	-2.972E+00	6.713E-01	-4.899E+03	-3.698E+04	1.491E+00
377	4	30660.24	100.58	57.60	2	-3.470E+00	2.053E+00	-1.693E+00	-3.530E+04	-5.529E+03	-2.880E+03	2.531E+00	-3.947E+00	1.846E+00	-5.253E+03	-3.557E+04	1.666E+00
378	1	30688.07	60.35	57.60	1	-1.682E+00	-3.064E+00	4.555E-01	-5.743E+04	-3.487E+03	-8.076E+01	-1.545E+00	-3.201E+00	2.914E-01	-3.487E+03	-5.743E+04	1.572E+00
378	1	30688.07	60.35	57.60	2	-2.721E+00	3.152E+00	-9.322E-01	-5.681E+04	-7.415E+03	-3.732E+03	3.296E+00	-2.865E+00	1.725E+00	-7.135E+03	-5.709E+04	1.646E+00
378	2	30715.24	20.12	57.60	1	-1.496E+00	-1.781E-01	1.135E+00	-8.155E+04	-2.357E+04	3.528E+03	4.755E-01	-2.150E+00	1.048E+00	-2.336E+04	-8.177E+04	1.510E+00
378	2	30715.24	20.12	57.60	2	-2.050E+00	-2.626E-01	-1.203E+00	-7.939E+04	-2.357E+04	1.632E+03	3.421E-01	-2.655E+00	2.037E+00	-2.352E+04	-7.944E+04	1.542E+00
378	3	30742.40	60.35	57.60	1	-3.454E-01	-3.542E+00	1.107E+00	-5.552E+04	-2.813E+04	-1.513E+03	8.289E-04	-3.888E+00	3.030E-01	-2.805E+04	-5.560E+04	1.626E+00
378	3	30742.40	60.35	57.60	2	-2.419E+00	3.044E+00	-1.633E+00	-5.375E+04	-3.074E+04	-2.353E+03	3.495E+00	-2.870E+00	1.840E+00	-3.050E+04	-5.399E+04	1.672E+00
378	4	30715.24	100.58	57.60	1	-5.309E-01	-6.428E+00	4.277E-01	-2.792E+04	-1.864E+04	-1.635E+03	-5.000E-01	-6.459E+00	7.202E-02	-1.836E+04	-2.820E+04	1.740E+00
378	4	30715.24	100.58	57.60	2	-3.089E+00	6.458E+00	-1.363E+00	-2.746E+04	-2.588E+04	-4.404E+03	6.649E+00	-3.280E+00	1.710E+00	-2.219E+04	-3.114E+04	2.267E+00
379	1	30769.57	60.35	57.60	1	-3.466E-01	-3.550E+00	-1.105E+00	-5.552E+04	-2.812E+04	-1.527E+03	-2.114E-03	-3.894E+00	-3.021E-01	-2.803E+04	-5.560E+04	1.626E+00
379	1	30769.57	60.35	57.60	2	-2.420E+00	3.036E+00	1.635E+00	-5.376E+04	-3.077E+04	-2.352E+03	3.489E+00	-2.872E+00	1.301E+00	-3.053E+04	-5.400E+04	1.672E+00
379	2	30796.74	20.12	57.60	1	-1.524E+00	-1.773E-01	-1.148E+00	-8.156E+04	-2.356E+04	-3.533E+03	4.799E-01	-2.182E+00	2.091E+00	-2.335E+04	-8.177E+04	1.631E+00
379	2	30796.74	20.12	57.60	2	-2.079E+00	-2.618E-01	1.190E+00	-7.938E+04	-2.356E+04	-1.630E+03	3.270E-01	-2.668E+00	1.111E+00	-2.352E+04	-7.943E+04	1.600E+00
379	3	30823.90	60.35	57.60	1	-1.737E+00	-3.052E+00	-4.537E-01	-5.741E+04	-3.440E+03	6.747E+01	-1.596E+00	-3.194E+00	-3.020E-01	-3.440E+03	-5.741E+04	1.570E+00
379	3	30823.90	60.35	57.60	2	-2.776E+00	3.163E+00	9.340E-01	-5.678E+04	-7.445E+03	3.756E+03	3.307E+00	-2.920E+00	1.418E+00	-7.161E+03	-5.707E+04	1.495E+00
379	4	30796.74	100.58	57.60	1	-5.593E-01	-6.425E+00	-4.115E-01	-2.789E+04	-1.858E+04	1.625E+03	-5.305E-01	-6.454E+00	-6.970E-02	-1.830E+04	-2.817E+04	1.403E+00
379	4	30796.74	100.58	57.60	2	-3.117E+00	6.461E+00	1.379E+00	-2.745E+04	-2.595E+04	4.379E+03	6.656E+00	-3.312E+00	1.431E+00	-2.226E+04	-3.114E+04	8.706E-01
380	1	30842.24	60.35	57.60	1	-1.368E+00	-5.941E-01	-7.901E-01	-5.636E+04	-2.121E+03	-9.516E+02	-1.013E-01	-1.861E+00	2.128E+00	-2.104E+03	-5.638E+04	1.588E+00
380	1	30842.24	60.35	57.60	2	-3.149E+00	6.767E-01	7.596E-01	-5.507E+04	-1.762E+03	3.394E+03	8.220E-01	-3.295E+00	1.382E+00	-1.547E+03	-5.528E+04	1.507E+00
380	2	30851.74	20.12	57.60	1	-8.872E-01	1.638E-01	-4.313E-02	-7.601E+04	8.693E+02	-1.592E+03	1.656E-01	-8.890E-01	1.612E+00	9.022E+02	-7.604E+04	1.591E+00
380	2	30851.74	20.12	57.60	2	-3.729E+00	-2.707E-01	-1.338E-01	-7.534E+04	1.362E+03	3.036E+03	-2.656E-01	-3.734E+00	1.609E+00	1.482E+03	-7.546E+04	1.531E+00
380	3	30861.24	60.35	57.60	1	-5.640E-01	-9.551E-01	-8.274E-01	-5.626E+04	-5.432E+02	-6.225E+03	9.066E-02	-1.610E+00	-6.694E-01	1.437E+02	-5.695E+04	1.681E+00
380	3	30861.24	60.35	57.60	2	-4.112E+00	1.109E+00	8.058E-01	-5.538E+04	-8.796E+02	-1.882E+03	1.230E+00	-4.234E+00	1.421E+00	-8.147E+02	-5.544E+04	1.605E+00
380	4	30851.74	100.58	57.60	1	-1.045E+00	-1.713E+00	-1.574E+00	-3.676E+04	-5.093E+03	-2.606E+03	2.304E-01	-2.989E+00	-6.809E-01	-4.880E+03	-3.697E+04	1.652E+00
380	4	30851.74	100.58	57.60	2	-3.533E+00	2.056E+00	1.699E+00	-3.525E+04	-5.540E+03	2.919E+03	2.532E+00	-4.009E+00	1.298E+00	-5.256E+03	-3.553E+04	1.474E+00
381	1	30660.24	125.95	57.60	1	-1.598E+00	-1.936E-01	6.776E+00	2.978E+03	-1.472E+04	-5.761E+02	5.917E+00	-7.709E+00	8.370E-01	2.997E+03	-1.474E+04	-3.250E-02
381	1	30660.24	125.95	57.60	2	1.487E+00	-7.239E+00	-7.208E+00	2.785E+03	-1.874E+04	1.218E+03	5.550E+00	-1.130E+01	-5.132E-01	2.853E+03	-1.880E+04	5.637E-02
381	2	30669.74	136.45	57.60	1	2.769E+00	-1.832E+00	7.489E+00	3.604E+03	-7.462E+03	-5.431E+02	8.302E+00	-7.366E+00	6.364E-01	3.631E+03	-7.488E+03	-4.892E-02
381	2	30669.74	136.45	57.60	2	-1.949E+00	-8.466E+00	-8.830E+00	8.132E+03	-4.767E+03	3.616E+03	4.204E+00	-1.462E+01	-6.086E-01	9.076E+03	-5.711E+03	2.555E-01
381	3	30660.24	146.95	57.60	1	6.764E+00	-2.219E+00	6.368E+00	1.175E+03	-1.145E+03	1.870E+02	1.007E+01	-5.521E+00	4.782E-01	1.190E+03	-1.160E+03	7.993E-02
381	3	30660.24	146.95	57.60	2	-6.695E+00	-5.257E+00	-8.657E+00	5.370E+03	5.849E+03	2.811E+03	2.711E+00	-1.466E+01	2.315E+00	8.431E+03	2.788E+03	8.279E-01
381	4	30650.74	136.45	57.60	1	2.398E+00	-5.810E-01	5.656E+00	1.256E+03	-8.946E+03	1.130E+03	6.757E+00	-4.940E+00	6.567E-01	1.380E+03	-9.070E+03	1.090E-01
381	4	30650.74	136.45	57.60	2	-3.259E+00	-4.030E+00	-7.036E+00	2.153E+02	-8.266E+03	3.596E+03	3.402E+00	-1.069E+01	-7.580E-01	1.535E+03	-9.586E+03	3.517E-01
382	1	30715.24	125.95	57.60	1	-6.905E+00	-3.712E+00	5.243E+00	-5.377E+03	-1.506E+04	2.706E+03	1.724E-01	-1.079E+01	9.332E-01	-4.672E+03	-1.577E+04	2.548E-01
382	1	30715.24	125.95	57.60	2	6.726E+00	-1.303E+00	-3.286E+00	-6.971E+03	-1.034E+04	2.916E+03	7.899E+00	-2.476E+00	-3.429E-01	-5.289E+03	-1.202E+04	5.234E-01
382	2	30742.40	136.45	57.60	1	-1.198E+01	9.403E-01	-3.443E-01	-1.008E+04	-1.025E+04	1.194E+03	9.495E-01	-1.199E+01	1.597E+00	-8.968E+03	-1.136E+04	7.496E-01
382	2	30742.40	136.45	57.60	2	1.189E+01	-6.063E-01	2.394E+00	-1.219E+04	-9.858E+03	6.385E+02	1.233E+01	-1.049E+00	1.829E-01	-9.694E+03	-1.235E+04	1.320E+00



382	3	30715.24	146.95	57.60	1	-1.706E+01	6.070E-01	5.243E+00	-3.307E+03	-1.844E+03	1.766E+03	2.045E+00	-1.850E+01	1.303E+00	-6.639E+02	-4.488E+03	9.817E-01
382	3	30715.24	146.95	57.60	2	1.705E+01	-5.694E+00	-3.287E+00	-8.387E+03	-4.526E+03	1.811E+03	1.752E+01	-6.159E+00	-1.407E-01	-3.809E+03	-9.104E+03	1.194E+00
382	4	30688.07	136.45	57.60	1	-1.199E+01	-4.045E+00	1.083E+01	1.394E+03	-9.686E+03	1.127E+03	3.519E+00	-1.955E+01	9.611E-01	1.507E+03	-9.800E+03	1.003E-01
382	4	30688.07	136.45	57.60	2	1.189E+01	-6.390E+00	-8.967E+00	-3.170E+03	-7.866E+03	4.702E+03	1.555E+01	-1.005E+01	-3.879E-01	-2.621E+02	-1.077E+04	5.539E-01
383	1	30796.74	125.95	57.60	1	-6.907E+00	-3.772E+00	-5.252E+00	-5.359E+03	-1.509E+04	-2.713E+03	1.415E-01	-1.082E+01	2.211E+00	-4.654E+03	-1.579E+04	-2.544E-01
383	1	30796.74	125.95	57.60	2	6.724E+00	-1.363E+00	3.278E+00	-6.981E+03	-1.026E+04	-2.891E+03	7.886E+00	-2.525E+00	3.406E-01	-5.296E+03	-1.194E+04	-5.275E-01
383	2	30823.90	136.45	57.60	1	-1.199E+01	-4.162E+00	-1.084E+01	1.467E+03	-9.639E+03	-1.088E+03	3.450E+00	-1.960E+01	2.183E+00	1.573E+03	-9.745E+03	-9.675E-02
383	2	30823.90	136.45	57.60	2	1.188E+01	-6.508E+00	8.956E+00	-3.229E+03	-7.773E+03	-4.719E+03	1.552E+01	-1.015E+01	3.861E-01	-2.636E+02	-1.074E+04	-5.611E-01
383	3	30796.74	146.95	57.60	1	-1.707E+01	5.495E-01	-5.250E+00	-3.259E+03	-1.773E+03	-1.758E+03	1.995E+00	-1.852E+01	1.840E+00	-6.070E+02	-4.425E+03	2.156E+00
383	3	30796.74	146.95	57.60	2	1.705E+01	-5.752E+00	3.278E+00	-8.436E+03	-4.534E+03	-1.768E+03	1.751E+01	-6.214E+00	1.400E-01	-3.852E+03	-9.118E+03	1.939E+00
383	4	30769.57	136.45	57.60	1	-1.199E+01	9.396E-01	3.391E-01	-1.009E+04	-1.024E+04	1.185E+03	9.485E-01	-1.200E+01	1.545E+00	-8.975E+03	-1.135E+04	7.534E-01
383	4	30769.57	136.45	57.60	2	1.189E+01	-6.070E-01	-2.399E+00	-1.219E+04	-9.866E+03	6.099E+02	1.233E+01	-1.052E+00	-1.834E-01	-9.715E+03	-1.234E+04	1.329E+00
384	1	30851.74	125.95	57.60	1	-1.599E+00	-2.848E-01	-6.761E+00	2.992E+03	-1.463E+04	5.969E+02	5.851E+00	-7.735E+00	2.308E+00	3.013E+03	-1.465E+04	3.382E-02
384	1	30851.74	125.95	57.60	2	1.487E+00	-7.331E+00	7.224E+00	2.793E+03	-1.872E+04	-1.225E+03	5.541E+00	-1.139E+01	5.114E-01	2.862E+03	-1.879E+04	-5.672E-02
384	2	30861.24	136.45	57.60	1	2.390E+00	-6.473E-01	-5.633E+00	1.260E+03	-8.902E+03	-1.100E+03	6.705E+00	-4.963E+00	-6.537E-01	1.378E+03	-9.020E+03	-1.066E-01
384	2	30861.24	136.45	57.60	2	-3.269E+00	-4.097E+00	7.059E+00	1.979E+02	-8.207E+03	-3.609E+03	3.389E+00	-1.075E+01	7.561E-01	1.535E+03	-9.544E+03	-3.548E-01
384	3	30851.74	146.95	57.60	1	6.761E+00	-2.310E+00	-6.336E+00	1.133E+03	-1.155E+03	-1.683E+02	1.002E+01	-5.567E+00	-4.748E-01	1.146E+03	-1.167E+03	-7.305E-02
384	3	30851.74	146.95	57.60	2	-6.698E+00	-5.348E+00	8.689E+00	5.420E+03	5.979E+03	-2.838E+03	2.692E+00	-1.474E+01	8.242E-01	8.552E+03	2.848E+03	2.307E+00
384	4	30842.24	136.45	57.60	1	2.773E+00	-1.947E+00	-7.465E+00	3.570E+03	-7.419E+03	5.954E+02	8.242E+00	-7.417E+00	-6.323E-01	3.602E+03	-7.452E+03	5.397E-02
384	4	30842.24	136.45	57.60	2	-1.943E+00	-8.582E+00	8.853E+00	8.193E+03	-4.668E+03	-3.644E+03	4.193E+00	-1.472E+01	6.060E-01	9.154E+03	-5.628E+03	-2.578E-01
385	1	30660.24	157.45	57.60	1	6.641E+00	-3.043E+00	-4.832E+00	2.059E+03	1.564E+03	9.582E+02	8.640E+00	-5.041E+00	-3.922E-01	2.802E+03	8.223E+02	6.591E-01
385	1	30660.24	157.45	57.60	2	-5.584E+00	2.148E+00	2.285E+00	6.008E+03	5.367E+03	3.776E+03	2.773E+00	-6.209E+00	1.304E+00	9.477E+03	1.898E+03	7.431E-01
385	2	30669.74	167.95	57.60	1	-6.494E-01	2.114E+00	-5.001E+00	3.615E+03	1.799E+03	1.172E+03	5.920E+00	-4.456E+00	2.221E+00	4.189E+03	1.224E+03	4.557E-01
385	2	30669.74	167.95	57.60	2	-6.437E-01	-3.623E-01	2.814E+00	6.829E+03	2.272E+03	1.055E+03	2.315E+00	-3.321E+00	8.104E-01	7.062E+03	2.040E+03	2.167E-01
385	3	30660.24	178.45	57.60	1	-5.783E+00	-3.293E-02	-2.447E+00	2.116E+03	9.048E+02	1.139E+03	8.672E-01	-6.683E+00	1.923E+00	2.801E+03	2.201E+02	5.411E-01
385	3	30660.24	178.45	57.60	2	3.462E+00	-4.364E-02	1.361E+00	3.037E+03	3.452E+02	1.979E+03	3.928E+00	-5.097E-01	3.300E-01	4.084E+03	-7.020E+02	4.868E-01
385	4	30650.74	167.95	57.60	1	1.507E+00	-5.189E+00	-2.278E+00	6.343E+01	1.049E+03	9.894E+02	2.209E+00	-5.891E+00	-2.987E-01	1.662E+03	-5.490E+02	1.017E+00
385	4	30650.74	167.95	57.60	2	-1.478E+00	2.467E+00	8.313E-01	1.116E+03	4.278E+03	2.448E+03	2.635E+00	-1.646E+00	1.371E+00	5.611E+03	-2.171E+02	1.072E+00
386	1	30715.24	157.45	57.60	1	-1.697E+01	1.215E+00	-2.212E+00	-2.962E+03	-3.042E+02	8.546E+02	1.480E+00	-1.724E+01	1.690E+00	-5.307E+01	-3.213E+03	1.285E+00
386	1	30715.24	157.45	57.60	2	1.778E+01	-8.532E-01	4.311E+00	-7.918E+03	-1.782E+03	1.649E+03	1.873E+01	-1.802E+00	2.167E-01	-1.367E+03	-8.333E+03	1.324E+00
386	2	30742.40	167.95	57.60	1	-1.538E+01	1.168E+00	-4.571E-01	-1.032E+04	-9.521E+02	-1.344E+02	1.181E+00	-1.539E+01	1.598E+00	-9.502E+02	-1.032E+04	1.585E+00
386	2	30742.40	167.95	57.60	2	1.664E+01	-2.969E+00	3.060E+00	-1.277E+04	-1.811E+03	4.147E+02	1.711E+01	-3.436E+00	1.512E-01	-1.796E+03	-1.279E+04	1.533E+00
386	3	30715.24	178.45	57.60	1	-1.378E+01	-1.420E-01	-2.212E+00	-3.373E+03	-5.874E+02	-3.178E+02	2.078E-01	-1.413E+01	1.728E+00	-5.516E+02	-3.409E+03	1.683E+00
386	3	30715.24	178.45	57.60	2	1.550E+01	1.145E-01	4.312E+00	-7.650E+03	-1.097E+02	7.044E+02	1.663E+01	-1.011E+00	2.554E-01	-4.441E+01	-7.715E+03	1.478E+00
386	4	30688.07	167.95	57.60	1	-1.538E+01	-9.540E-02	-3.967E+00	3.982E+03	-2.449E+02	5.121E+02	8.730E-01	-1.635E+01	1.810E+00	4.043E+03	-3.061E+02	1.189E-01
386	4	30688.07	167.95	57.60	2	1.664E+01	2.231E+00	5.564E+00	-2.796E+03	-7.828E+02	3.962E+02	1.854E+01	3.331E-01	3.287E-01	-7.077E+02	-2.871E+03	1.383E+00
387	1	30796.74	157.45	57.60	1	-1.697E+01	1.218E+00	2.204E+00	-2.922E+03	-2.956E+02	-8.313E+02	1.481E+00	-1.723E+01	1.452E+00	-5.460E+01	-3.163E+03	1.853E+00
387	1	30796.74	157.45	57.60	2	1.778E+01	-8.501E-01	-4.319E+00	-7.971E+03	-1.810E+03	-1.613E+03	1.873E+01	-1.802E+00	-2.170E-01	-1.413E+03	-8.367E+03	1.812E+00
387	2	30823.90	167.95	57.60	1	-1.538E+01	-8.213E-02	3.951E+00	4.059E+03	-2.525E+02	-5.096E+02	8.780E-01	-1.634E+01	1.332E+00	4.119E+03	-3.119E+02	-1.161E-01
387	2	30823.90	167.95	57.60	2	1.664E+01	2.244E+00	-5.579E+00	-2.914E+03	-8.102E+02	-3.645E+02	1.855E+01	3.346E-01	-3.297E-01	-7.489E+02	-2.975E+03	1.738E+00
387	3	30796.74	178.45	57.60	1	-1.379E+01	-1.327E-01	2.205E+00	-3.342E+03	-5.939E+02	3.425E+02	2.143E-01	-1.414E+01	1.415E+00	-5.519E+02	-3.384E+03	1.449E+00
387	3	30796.74	178.45	57.60	2	1.549E+01	1.239E-01	-4.320E+00	-7.704E+03	-1.187E+02	-6.802E+02	1.662E+01	-1.007E+00	-2.561E-01	-5.815E+01	-7.765E+03	1.660E+00
387	4	30769.57	167.95	57.60	1	-1.538E+01	1.167E+00	4.575E-01	-1.032E+04	-9.404E+02	-1.481E+02	1.180E+00	-1.540E+01	1.543E+00	-9.380E+02	-1.033E+04	1.587E+00

387	4	30769.57	167.95	57.60	2	1.664E+01	-2.970E+00	-3.059E+00	-1.276E+04	-1.830E+03	3.758E+02	1.710E+01	-3.437E+00	-1.513E-01	-1.817E+03	-1.277E+04	1.536E+00
388	1	30851.74	157.45	57.60	1	6.649E+00	-3.056E+00	4.861E+00	2.009E+03	1.521E+03	-9.390E+02	8.665E+00	-5.072E+00	3.931E-01	2.736E+03	7.951E+02	-6.583E-01
388	1	30851.74	157.45	57.60	2	-5.576E+00	2.134E+00	-2.255E+00	6.040E+03	5.382E+03	-3.805E+03	2.745E+00	-6.187E+00	1.835E+00	9.530E+03	1.892E+03	-7.422E-01
388	2	30861.24	167.95	57.60	1	1.506E+00	-5.220E+00	2.296E+00	5.588E+01	1.023E+03	-9.743E+02	2.215E+00	-5.929E+00	2.995E-01	1.627E+03	-5.484E+02	2.126E+00
388	2	30861.24	167.95	57.60	2	-1.483E+00	2.435E+00	-8.132E-01	1.130E+03	4.306E+03	-2.451E+03	2.597E+00	-1.645E+00	1.768E+00	5.638E+03	-2.026E+02	2.069E+00
388	3	30851.74	178.45	57.60	1	-5.810E+00	-3.831E-02	2.462E+00	2.099E+03	9.119E+02	-1.132E+03	8.692E-01	-6.717E+00	1.218E+00	2.783E+03	2.274E+02	-5.439E-01
388	3	30851.74	178.45	57.60	2	3.435E+00	-4.905E-02	-1.346E+00	3.010E+03	3.304E+02	-1.974E+03	3.895E+00	-5.085E-01	-3.289E-01	4.056E+03	-7.157E+02	-4.873E-01
388	4	30842.24	167.95	57.60	1	-6.661E-01	2.125E+00	5.027E+00	3.563E+03	1.784E+03	-1.145E+03	5.946E+00	-4.487E+00	9.208E-01	4.123E+03	1.223E+03	-4.552E-01
388	4	30842.24	167.95	57.60	2	-6.582E-01	-3.504E-01	-2.788E+00	6.821E+03	2.245E+03	-1.054E+03	2.288E+00	-3.297E+00	2.329E+00	7.052E+03	2.014E+03	-2.158E-01
389	1	33213.73	-167.95	60.15	1	-4.231E-09	-2.820E-08	2.268E-16	2.530E+03	4.847E+02	1.744E+03	-4.231E-09	-2.820E-08	9.460E-09	3.529E+03	-5.145E+02	5.202E-01
389	1	33213.73	-167.95	60.15	2	4.231E-09	2.820E-08	-1.063E-16	2.530E+03	4.847E+02	1.744E+03	2.820E-08	4.231E-09	1.571E+00	3.530E+03	-5.145E+02	5.202E-01
389	2	33223.23	-178.45	60.15	1	-4.698E-15	5.064E-15	1.085E-08	7.136E+02	2.862E+03	1.613E+03	1.085E-08	-1.085E-08	7.854E-01	3.725E+03	-1.500E+02	1.079E+00
389	2	33223.23	-178.45	60.15	2	-4.906E-15	4.855E-15	-1.085E-08	7.137E+02	2.862E+03	1.613E+03	1.085E-08	-1.085E-08	-7.854E-01	3.726E+03	-1.500E+02	1.079E+00
389	3	33232.73	-167.95	60.15	1	4.231E-09	2.820E-08	4.996E-16	2.403E+03	5.711E+03	1.212E+03	2.820E-08	4.231E-09	1.571E+00	6.108E+03	2.006E+03	1.255E+00
389	3	33232.73	-167.95	60.15	2	-4.231E-09	-2.820E-08	-4.996E-16	2.403E+03	5.712E+03	1.212E+03	-4.231E-09	-2.820E-08	-2.084E-08	6.108E+03	2.006E+03	1.255E+00
389	4	33223.23	-157.45	60.15	1	-4.691E-15	4.749E-15	-1.085E-08	3.575E+03	4.180E+03	2.146E+03	1.085E-08	-1.085E-08	-7.854E-01	6.045E+03	1.710E+03	8.554E-01
389	4	33223.23	-157.45	60.15	2	-4.733E-15	4.707E-15	1.085E-08	3.575E+03	4.180E+03	2.146E+03	1.085E-08	-1.085E-08	7.854E-01	6.045E+03	1.710E+03	8.554E-01
390	1	33251.07	-167.95	60.15	1	-1.479E-09	-9.863E-09	6.492E-17	-2.474E+02	9.571E+02	5.917E+02	-1.479E-09	-9.863E-09	7.744E-09	1.199E+03	-4.894E+02	1.183E+00
390	1	33251.07	-167.95	60.15	2	1.479E-09	9.863E-09	-1.016E-16	-2.474E+02	9.571E+02	5.917E+02	9.863E-09	1.479E-09	1.571E+00	1.199E+03	-4.895E+02	1.183E+00
390	2	33278.23	-178.45	60.15	1	-4.873E-15	5.149E-15	1.085E-08	-4.044E+02	-5.519E+03	3.853E+02	1.085E-08	-1.085E-08	7.854E-01	-3.756E+02	-5.548E+03	7.476E-02
390	2	33278.23	-178.45	60.15	2	-4.790E-15	5.232E-15	-1.085E-08	-4.045E+02	-5.520E+03	3.853E+02	1.085E-08	-1.085E-08	-7.854E-01	-3.756E+02	-5.549E+03	7.477E-02
390	3	33305.40	-167.95	60.15	1	1.479E-09	9.863E-09	1.665E-16	-1.743E+03	-1.189E+04	-2.200E+02	9.863E-09	1.479E-09	1.571E+00	-1.738E+03	-1.189E+04	-2.167E-02
390	3	33305.40	-167.95	60.15	2	-1.479E-09	-9.863E-09	-1.665E-16	-1.743E+03	-1.189E+04	-2.199E+02	-1.479E-09	-9.863E-09	-1.986E-08	-1.738E+03	-1.189E+04	-2.166E-02
390	4	33278.23	-157.45	60.15	1	-4.174E-15	5.062E-15	-1.085E-08	-1.069E+03	-5.410E+03	1.641E+03	1.085E-08	-1.085E-08	-7.854E-01	-5.185E+02	-5.961E+03	3.237E-01
390	4	33278.23	-157.45	60.15	2	-4.923E-15	4.313E-15	1.085E-08	-1.069E+03	-5.411E+03	1.641E+03	1.085E-08	-1.085E-08	7.854E-01	-5.184E+02	-5.961E+03	3.237E-01
391	1	33332.57	-167.95	60.15	1	-1.479E-09	-9.863E-09	-5.062E-16	-1.743E+03	-1.189E+04	-2.199E+02	-1.479E-09	-9.863E-09	-6.038E-08	-1.738E+03	-1.189E+04	-2.167E-02
391	1	33332.57	-167.95	60.15	2	1.479E-09	9.863E-09	1.183E-16	-1.743E+03	-1.189E+04	-2.199E+02	9.863E-09	1.479E-09	1.571E+00	-1.738E+03	-1.189E+04	-2.167E-02
391	2	33359.73	-178.45	60.15	1	-4.130E-15	5.221E-15	1.085E-08	-4.044E+02	-5.519E+03	-3.853E+02	1.085E-08	-1.085E-08	7.854E-01	-3.756E+02	-5.548E+03	-7.477E-02
391	2	33359.73	-178.45	60.15	2	-4.557E-15	4.794E-15	-1.085E-08	-4.045E+02	-5.520E+03	-3.853E+02	1.085E-08	-1.085E-08	-7.854E-01	-3.756E+02	-5.549E+03	-7.476E-02
391	3	33386.90	-167.95	60.15	1	1.479E-09	9.863E-09	1.041E-16	-2.474E+02	9.572E+02	-5.917E+02	9.863E-09	1.479E-09	1.571E+00	1.199E+03	-4.894E+02	1.959E+00
391	3	33386.90	-167.95	60.15	2	-1.479E-09	-9.863E-09	-1.041E-16	-2.474E+02	9.571E+02	-5.917E+02	-1.479E-09	-9.863E-09	-1.242E-08	1.199E+03	-4.895E+02	1.959E+00
391	4	33359.73	-157.45	60.15	1	-4.506E-15	5.437E-15	-1.085E-08	-1.069E+03	-5.410E+03	-1.641E+03	1.085E-08	-1.085E-08	-7.854E-01	-5.184E+02	-5.961E+03	-3.237E-01
391	4	33359.73	-157.45	60.15	2	-4.818E-15	5.125E-15	1.085E-08	-1.069E+03	-5.411E+03	-1.641E+03	1.085E-08	-1.085E-08	7.854E-01	-5.185E+02	-5.961E+03	-3.237E-01
392	1	33405.23	-167.95	60.15	1	-4.231E-09	-2.820E-08	-6.938E-18	2.403E+03	5.711E+03	-1.212E+03	-4.231E-09	-2.820E-08	-2.894E-10	6.108E+03	2.006E+03	1.887E+00
392	1	33405.23	-167.95	60.15	2	4.231E-09	2.820E-08	-3.608E-16	2.403E+03	5.711E+03	-1.212E+03	2.820E-08	4.231E-09	1.571E+00	6.108E+03	2.006E+03	1.887E+00
392	2	33414.73	-178.45	60.15	1	-4.499E-15	4.828E-15	1.085E-08	7.136E+02	2.862E+03	-1.613E+03	1.085E-08	-1.085E-08	7.854E-01	3.725E+03	-1.500E+02	2.062E+00
392	2	33414.73	-178.45	60.15	2	-4.551E-15	4.776E-15	-1.085E-08	7.137E+02	2.862E+03	-1.613E+03	1.085E-08	-1.085E-08	-7.854E-01	3.726E+03	-1.500E+02	2.062E+00
392	3	33424.23	-167.95	60.15	1	4.231E-09	2.820E-08	4.892E-16	2.530E+03	4.847E+02	-1.744E+03	2.820E-08	4.231E-09	1.571E+00	3.530E+03	-5.145E+02	-5.202E-01
392	3	33424.23	-167.95	60.15	2	-4.231E-09	-2.820E-08	-4.892E-16	2.530E+03	4.847E+02	-1.744E+03	-4.231E-09	-2.820E-08	-2.040E-08	3.530E+03	-5.145E+02	-5.202E-01
392	4	33414.73	-157.45	60.15	1	-4.912E-15	5.220E-15	-1.085E-08	3.575E+03	4.180E+03	-2.146E+03	1.085E-08	-1.085E-08	-7.854E-01	6.045E+03	1.710E+03	2.286E+00
392	4	33414.73	-157.45	60.15	2	-4.826E-15	5.306E-15	1.085E-08	3.575E+03	4.180E+03	-2.146E+03	1.085E-08	-1.085E-08	7.854E-01	6.045E+03	1.710E+03	2.286E+00
393	1	33223.23	-146.95	60.15	1	-5.395E-17	2.405E-16	-1.085E-08	3.137E+03	8.702E+02	-1.285E+03	1.085E-08	-1.085E-08	-7.854E-01	3.717E+03	2.899E+02	-4.241E-01
393	1	33223.23	-146.95	60.15	2	-5.395E-17	2.405E-16	1.085E-08	3.137E+03	8.704E+02	-1.285E+03	1.085E-08	-1.085E-08	7.854E-01	3.717E+03	2.900E+02	-4.241E-01

393	2	33232.73	-136.45	60.15	1	2.820E-08	4.231E-09	-8.327E-16	5.557E+03	-7.937E+03	-1.633E+03	2.820E-08	4.231E-09	-3.473E-08	5.752E+03	-8.131E+03	-1.187E-01
393	2	33232.73	-136.45	60.15	2	-2.820E-08	-4.231E-09	8.327E-16	5.557E+03	-7.937E+03	-1.633E+03	-4.231E-09	-2.820E-08	1.571E+00	5.752E+03	-8.132E+03	-1.187E-01
393	3	33223.23	-125.95	60.15	1	4.738E-15	-4.960E-15	1.085E-08	2.663E+03	-1.822E+04	-3.881E+02	1.085E-08	-1.085E-08	7.854E-01	2.671E+03	-1.823E+04	-1.857E-02
393	3	33223.23	-125.95	60.15	2	5.196E-15	-4.502E-15	-1.085E-08	2.663E+03	-1.823E+04	-3.883E+02	1.085E-08	-1.085E-08	-7.854E-01	2.671E+03	-1.823E+04	-1.858E-02
393	4	33213.73	-136.45	60.15	1	-2.820E-08	-4.231E-09	-4.996E-16	9.167E+02	-9.931E+03	-2.417E+03	-4.231E-09	-2.820E-08	1.571E+00	1.431E+03	-1.045E+04	-2.096E-01
393	4	33213.73	-136.45	60.15	2	2.820E-08	4.231E-09	4.996E-16	9.167E+02	-9.931E+03	-2.418E+03	2.820E-08	4.231E-09	2.084E-08	1.431E+03	-1.045E+04	-2.096E-01
394	1	33278.23	-146.95	60.15	1	2.563E-16	-1.828E-16	-1.085E-08	-5.979E+03	-4.252E+03	-2.131E+03	1.085E-08	-1.085E-08	-7.854E-01	-2.817E+03	-7.415E+03	2.164E+00
394	1	33278.23	-146.95	60.15	2	-1.600E-16	-1.828E-16	1.085E-08	-5.980E+03	-4.253E+03	-2.131E+03	1.085E-08	-1.085E-08	7.854E-01	-2.817E+03	-7.416E+03	2.164E+00
394	2	33305.40	-136.45	60.15	1	9.863E-09	1.479E-09	-4.163E-17	-1.113E+04	-1.067E+04	9.562E+02	9.863E-09	1.479E-09	-4.966E-09	-9.915E+03	-1.188E+04	9.034E-01
394	2	33305.40	-136.45	60.15	2	-9.863E-09	-1.479E-09	4.163E-17	-1.113E+04	-1.067E+04	9.560E+02	-1.479E-09	-9.863E-09	1.571E+00	-9.915E+03	-1.188E+04	9.034E-01
394	3	33278.23	-125.95	60.15	1	4.703E-15	-4.224E-15	1.085E-08	-6.274E+03	-1.372E+04	-2.850E+03	1.085E-08	-1.085E-08	7.854E-01	-5.309E+03	-1.469E+04	-3.267E-01
394	3	33278.23	-125.95	60.15	2	3.662E-15	-5.265E-15	-1.085E-08	-6.275E+03	-1.372E+04	-2.850E+03	1.085E-08	-1.085E-08	-7.854E-01	-5.309E+03	-1.469E+04	-3.267E-01
394	4	33251.07	-136.45	60.15	1	-9.863E-09	-1.479E-09	-4.163E-17	-1.128E+03	-1.060E+04	-2.996E+03	-1.479E-09	-9.863E-09	1.571E+00	-2.596E+02	-1.147E+04	-2.820E-01
394	4	33251.07	-136.45	60.15	2	9.863E-09	1.479E-09	4.163E-17	-1.128E+03	-1.060E+04	-2.997E+03	9.863E-09	1.479E-09	4.966E-09	-2.597E+02	-1.147E+04	-2.821E-01
395	1	33359.73	-146.95	60.15	1	6.551E-16	8.820E-19	-1.085E-08	-5.979E+03	-4.252E+03	2.131E+03	1.085E-08	-1.085E-08	-7.854E-01	-2.817E+03	-7.415E+03	9.779E-01
395	1	33359.73	-146.95	60.15	2	5.510E-16	-4.987E-16	1.085E-08	-5.980E+03	-4.253E+03	2.131E+03	1.085E-08	-1.085E-08	7.854E-01	-2.817E+03	-7.416E+03	9.779E-01
395	2	33386.90	-136.45	60.15	1	9.863E-09	1.479E-09	1.041E-16	-1.128E+03	-1.060E+04	2.996E+03	9.863E-09	1.479E-09	1.242E-08	-2.596E+02	-1.147E+04	2.820E-01
395	2	33386.90	-136.45	60.15	2	-9.863E-09	-1.479E-09	-1.041E-16	-1.128E+03	-1.060E+04	2.997E+03	-1.479E-09	-9.863E-09	1.571E+00	-2.597E+02	-1.147E+04	2.821E-01
395	3	33359.73	-125.95	60.15	1	5.404E-15	-4.355E-15	1.085E-08	-6.274E+03	-1.372E+04	2.850E+03	1.085E-08	-1.085E-08	7.854E-01	-5.309E+03	-1.469E+04	3.267E-01
395	3	33359.73	-125.95	60.15	2	4.873E-15	-4.886E-15	-1.085E-08	-6.275E+03	-1.372E+04	2.850E+03	1.085E-08	-1.085E-08	-7.854E-01	-5.309E+03	-1.469E+04	3.267E-01
395	4	33332.57	-136.45	60.15	1	-9.863E-09	-1.479E-09	1.041E-16	-1.113E+04	-1.067E+04	9.561E+02	-1.479E-09	-9.863E-09	1.571E+00	-9.915E+03	-1.188E+04	9.034E-01
395	4	33332.57	-136.45	60.15	2	9.863E-09	1.479E-09	-1.041E-16	-1.113E+04	-1.067E+04	9.561E+02	9.863E-09	1.479E-09	-1.242E-08	-9.915E+03	-1.188E+04	9.034E-01
396	1	33414.73	-146.95	60.15	1	3.054E-16	5.888E-16	-1.085E-08	3.137E+03	8.702E+02	1.285E+03	1.085E-08	-1.085E-08	-7.854E-01	3.717E+03	2.899E+02	4.241E-01
396	1	33414.73	-146.95	60.15	2	4.980E-16	8.802E-16	1.085E-08	3.137E+03	8.703E+02	1.285E+03	1.085E-08	-1.085E-08	7.854E-01	3.717E+03	2.900E+02	4.241E-01
396	2	33424.23	-136.45	60.15	1	2.820E-08	4.231E-09	-2.810E-16	9.167E+02	-9.931E+03	2.417E+03	2.820E-08	4.231E-09	-1.172E-08	1.431E+03	-1.045E+04	2.096E-01
396	2	33424.23	-136.45	60.15	2	-2.820E-08	-4.231E-09	2.810E-16	9.167E+02	-9.931E+03	2.417E+03	-4.231E-09	-2.820E-08	1.571E+00	1.431E+03	-1.045E+04	2.096E-01
396	3	33414.73	-125.95	60.15	1	6.746E-15	-5.580E-15	1.085E-08	2.663E+03	-1.822E+04	3.882E+02	1.085E-08	-1.085E-08	7.854E-01	2.671E+03	-1.823E+04	1.857E-02
396	3	33414.73	-125.95	60.15	2	6.788E-15	-5.538E-15	-1.085E-08	2.663E+03	-1.823E+04	3.882E+02	1.085E-08	-1.085E-08	-7.854E-01	2.671E+03	-1.823E+04	1.858E-02
396	4	33405.23	-136.45	60.15	1	-2.820E-08	-4.231E-09	-3.435E-16	5.557E+03	-7.937E+03	1.633E+03	-4.231E-09	-2.820E-08	1.571E+00	5.752E+03	-8.131E+03	1.187E-01
396	4	33405.23	-136.45	60.15	2	2.820E-08	4.231E-09	3.435E-16	5.557E+03	-7.937E+03	1.633E+03	2.820E-08	4.231E-09	1.433E-08	5.752E+03	-8.132E+03	1.187E-01
397	1	33213.73	-60.35	60.15	1	-2.115E-09	-1.410E-08	-3.442E-16	-5.708E+04	-7.472E+02	-4.012E+03	-2.115E-09	-1.410E-08	-2.871E-08	-4.628E+02	-5.736E+04	1.642E+00
397	1	33213.73	-60.35	60.15	2	2.115E-09	1.410E-08	-1.113E-17	-5.708E+04	-7.471E+02	-4.012E+03	1.410E-08	2.115E-09	1.571E+00	-4.628E+02	-5.737E+04	1.642E+00
397	2	33223.23	-100.58	60.15	1	-9.722E-16	2.927E-16	1.415E-09	-3.731E+04	-5.364E+03	2.016E+02	1.415E-09	-1.415E-09	7.854E-01	-5.363E+03	-3.731E+04	1.564E+00
397	2	33223.23	-100.58	60.15	2	-6.912E-16	5.737E-16	-1.415E-09	-3.732E+04	-5.364E+03	2.022E+02	1.415E-09	-1.415E-09	-7.854E-01	-5.363E+03	-3.732E+04	1.564E+00
397	3	33232.73	-60.35	60.15	1	2.115E-09	1.410E-08	4.996E-16	-5.695E+04	-1.939E+03	1.241E+03	1.410E-08	2.115E-09	1.571E+00	-1.911E+03	-5.698E+04	1.548E+00
397	3	33232.73	-60.35	60.15	2	-2.115E-09	-1.410E-08	-4.996E-16	-5.696E+04	-1.939E+03	1.241E+03	-2.115E-09	-1.410E-08	-4.168E-08	-1.911E+03	-5.698E+04	1.548E+00
397	4	33223.23	-20.12	60.15	1	-1.246E-15	7.104E-16	-1.415E-09	-7.687E+04	1.100E+03	7.136E+02	1.415E-09	-1.415E-09	-7.854E-01	1.107E+03	-7.688E+04	1.562E+00
397	4	33223.23	-20.12	60.15	2	-9.750E-16	9.811E-16	1.415E-09	-7.687E+04	1.100E+03	7.143E+02	1.415E-09	-1.415E-09	7.854E-01	1.106E+03	-7.688E+04	1.562E+00
398	1	33251.07	-60.35	60.15	1	-7.397E-10	-4.932E-09	-5.771E-16	-5.835E+04	-5.473E+03	1.918E+03	-7.397E-10	-4.932E-09	-1.377E-07	-5.404E+03	-5.842E+04	1.535E+00
398	1	33251.07	-60.35	60.15	2	7.397E-10	4.932E-09	-2.441E-16	-5.835E+04	-5.472E+03	1.918E+03	4.932E-09	7.397E-10	1.571E+00	-5.403E+03	-5.842E+04	1.535E+00
398	2	33278.23	-100.58	60.15	1	-8.320E-16	4.664E-16	1.415E-09	-2.889E+04	-2.226E+04	3.012E+03	1.415E-09	-1.415E-09	7.854E-01	-2.109E+04	-3.005E+04	1.202E+00
398	2	33278.23	-100.58	60.15	2	-8.528E-16	4.456E-16	-1.415E-09	-2.889E+04	-2.226E+04	3.012E+03	1.415E-09	-1.415E-09	-7.854E-01	-2.110E+04	-3.005E+04	1.202E+00
398	3	33305.40	-60.35	60.15	1	7.397E-10	4.932E-09	-8.327E-17	-5.583E+04	-2.926E+04	-1.955E+03	4.932E-09	7.397E-10	1.571E+00	-2.912E+04	-5.597E+04	1.644E+00

398	3	33305.40	-60.35	60.15	2	-7.397E-10	-4.932E-09	8.327E-17	-5.583E+04	-2.926E+04	-1.955E+03	-7.397E-10	-4.932E-09	1.986E-08	-2.912E+04	-5.597E+04	1.644E+00
398	4	33278.23	-20.12	60.15	1	-1.064E-15	1.716E-15	-1.415E-09	-8.165E+04	-2.354E+04	-7.834E+01	1.415E-09	-1.415E-09	-7.854E-01	-2.354E+04	-8.165E+04	1.572E+00
398	4	33278.23	-20.12	60.15	2	-1.064E-15	1.716E-15	1.415E-09	-8.165E+04	-2.354E+04	-7.668E+01	1.415E-09	-1.415E-09	7.854E-01	-2.354E+04	-8.165E+04	1.572E+00
399	1	33332.57	-60.35	60.15	1	-7.397E-10	-4.932E-09	-4.770E-16	-5.583E+04	-2.926E+04	-1.955E+03	-7.397E-10	-4.932E-09	-1.138E-07	-2.912E+04	-5.597E+04	1.644E+00
399	1	33332.57	-60.35	60.15	2	7.397E-10	4.932E-09	1.475E-16	-5.583E+04	-2.926E+04	-1.955E+03	4.932E-09	7.397E-10	1.571E+00	-2.912E+04	-5.597E+04	1.644E+00
399	2	33359.73	-100.58	60.15	1	-9.033E-16	1.315E-15	1.415E-09	-2.889E+04	-2.226E+04	-3.012E+03	1.415E-09	-1.415E-09	7.854E-01	-2.109E+04	-3.005E+04	1.940E+00
399	2	33359.73	-100.58	60.15	2	-1.104E-15	1.115E-15	-1.415E-09	-2.889E+04	-2.226E+04	-3.012E+03	1.415E-09	-1.415E-09	-7.854E-01	-2.110E+04	-3.005E+04	1.940E+00
399	3	33386.90	-60.35	60.15	1	7.397E-10	4.932E-09	-2.914E-16	-5.835E+04	-5.473E+03	-1.918E+03	4.932E-09	7.397E-10	1.571E+00	-5.404E+03	-5.842E+04	1.607E+00
399	3	33386.90	-60.35	60.15	2	-7.397E-10	-4.932E-09	2.914E-16	-5.835E+04	-5.472E+03	-1.918E+03	-7.397E-10	-4.932E-09	6.952E-08	-5.403E+03	-5.842E+04	1.607E+00
399	4	33359.73	-20.12	60.15	1	-7.203E-15	8.545E-16	-1.415E-09	-8.165E+04	-2.354E+04	-2.597E+03	1.415E-09	-1.415E-09	-7.854E-01	-2.342E+04	-8.177E+04	1.615E+00
399	4	33359.73	-20.12	60.15	2	-7.536E-15	5.215E-16	1.415E-09	-8.165E+04	-2.354E+04	-2.598E+03	1.415E-09	-1.415E-09	7.854E-01	-2.342E+04	-8.177E+04	1.615E+00
400	1	33405.23	-60.35	60.15	1	-2.115E-09	-1.410E-08	7.065E-16	-5.695E+04	-1.939E+03	-1.241E+03	-2.115E-09	-1.410E-08	5.894E-08	-1.911E+03	-5.698E+04	1.593E+00
400	1	33405.23	-60.35	60.15	2	2.115E-09	1.410E-08	9.355E-16	-5.696E+04	-1.939E+03	-1.241E+03	1.410E-08	2.115E-09	1.571E+00	-1.911E+03	-5.698E+04	1.593E+00
400	2	33414.73	-100.58	60.15	1	-4.852E-16	1.264E-15	1.415E-09	-3.731E+04	-5.364E+03	-2.018E+02	1.415E-09	-1.415E-09	7.854E-01	-5.363E+03	-3.731E+04	1.577E+00
400	2	33414.73	-100.58	60.15	2	-9.549E-16	7.945E-16	-1.415E-09	-3.732E+04	-5.364E+03	-2.021E+02	1.415E-09	-1.415E-09	-7.854E-01	-5.363E+03	-3.732E+04	1.577E+00
400	3	33424.23	-60.35	60.15	1	2.115E-09	1.410E-08	1.769E-16	-5.708E+04	-7.472E+02	4.012E+03	1.410E-08	2.115E-09	1.571E+00	-4.628E+02	-5.736E+04	1.500E+00
400	3	33424.23	-60.35	60.15	2	-2.115E-09	-1.410E-08	-1.769E-16	-5.708E+04	-7.471E+02	4.012E+03	-2.115E-09	-1.410E-08	-1.476E-08	-4.628E+02	-5.737E+04	1.500E+00
400	4	33414.73	-20.12	60.15	1	-3.107E-15	2.649E-16	-1.415E-09	-7.687E+04	1.100E+03	-7.138E+02	1.415E-09	-1.415E-09	-7.854E-01	1.107E+03	-7.688E+04	1.580E+00
400	4	33414.73	-20.12	60.15	2	-3.422E-15	-4.994E-17	1.415E-09	-7.687E+04	1.100E+03	-7.142E+02	1.415E-09	-1.415E-09	7.854E-01	1.106E+03	-7.688E+04	1.580E+00
401	1	33213.73	60.35	60.15	1	2.115E-09	1.410E-08	9.241E-17	-5.708E+04	-7.471E+02	4.012E+03	1.410E-08	2.115E-09	1.571E+00	-4.628E+02	-5.737E+04	1.500E+00
401	1	33213.73	60.35	60.15	2	-2.115E-09	-1.410E-08	9.241E-17	-5.708E+04	-7.472E+02	4.012E+03	-2.115E-09	-1.410E-08	7.709E-09	-4.628E+02	-5.736E+04	1.500E+00
401	2	33223.23	20.12	60.15	1	-1.081E-15	-6.622E-17	-1.415E-09	-7.687E+04	1.100E+03	7.136E+02	1.415E-09	-1.415E-09	-7.854E-01	1.106E+03	-7.688E+04	1.562E+00
401	2	33223.23	20.12	60.15	2	-4.462E-16	5.687E-16	1.415E-09	-7.687E+04	1.100E+03	7.143E+02	1.415E-09	-1.415E-09	7.854E-01	1.107E+03	-7.688E+04	1.562E+00
401	3	33232.73	60.35	60.15	1	-2.115E-09	-1.410E-08	4.996E-16	-5.696E+04	-1.939E+03	-1.241E+03	-2.115E-09	-1.410E-08	4.168E-08	-1.911E+03	-5.698E+04	1.593E+00
401	3	33232.73	60.35	60.15	2	2.115E-09	1.410E-08	-4.996E-16	-5.695E+04	-1.939E+03	-1.241E+03	1.410E-08	2.115E-09	1.571E+00	-1.911E+03	-5.698E+04	1.593E+00
401	4	33223.23	100.58	60.15	1	-1.351E-15	3.019E-17	1.415E-09	-3.732E+04	-5.364E+03	-2.022E+02	1.415E-09	-1.415E-09	7.854E-01	-5.363E+03	-3.732E+04	1.577E+00
401	4	33223.23	100.58	60.15	2	-4.457E-16	9.357E-16	-1.415E-09	-3.731E+04	-5.364E+03	-2.016E+02	1.415E-09	-1.415E-09	-7.854E-01	-5.363E+03	-3.731E+04	1.577E+00
402	1	33251.07	60.35	60.15	1	7.397E-10	4.932E-09	1.883E-17	-5.835E+04	-5.472E+03	-1.918E+03	4.932E-09	7.397E-10	1.571E+00	-5.403E+03	-5.842E+04	1.607E+00
402	1	33251.07	60.35	60.15	2	-7.397E-10	-4.932E-09	3.519E-16	-5.835E+04	-5.473E+03	-1.918E+03	-7.397E-10	-4.932E-09	8.395E-08	-5.404E+03	-5.842E+04	1.607E+00
402	2	33278.23	20.12	60.15	1	-1.051E-15	5.698E-16	-1.415E-09	-8.165E+04	-2.354E+04	-7.834E+01	1.415E-09	-1.415E-09	-7.854E-01	-2.354E+04	-8.165E+04	1.572E+00
402	2	33278.23	20.12	60.15	2	-7.184E-16	9.029E-16	1.415E-09	-8.165E+04	-2.354E+04	-7.668E+01	1.415E-09	-1.415E-09	7.854E-01	-2.354E+04	-8.165E+04	1.572E+00
402	3	33305.40	60.35	60.15	1	-7.397E-10	-4.932E-09	-5.133E-25	-5.583E+04	-2.926E+04	-1.955E+03	-7.397E-10	-4.932E-09	-1.225E-16	-2.912E+04	-5.597E+04	1.644E+00
402	3	33305.40	60.35	60.15	2	7.397E-10	4.932E-09	5.133E-25	-5.583E+04	-2.926E+04	-1.955E+03	4.932E-09	7.397E-10	1.571E+00	-2.912E+04	-5.597E+04	1.644E+00
402	4	33278.23	100.58	60.15	1	-1.770E-15	7.016E-16	1.415E-09	-2.889E+04	-2.226E+04	-3.012E+03	1.415E-09	-1.415E-09	7.854E-01	-2.110E+04	-3.005E+04	1.940E+00
402	4	33278.23	100.58	60.15	2	-1.323E-15	1.149E-15	-1.415E-09	-2.889E+04	-2.226E+04	-3.012E+03	1.415E-09	-1.415E-09	-7.854E-01	-2.109E+04	-3.005E+04	1.939E+00
403	1	33332.57	60.35	60.15	1	7.397E-10	4.932E-09	-1.135E-15	-5.583E+04	-2.926E+04	-1.955E+03	4.932E-09	7.397E-10	1.571E+00	-2.912E+04	-5.597E+04	1.644E+00
403	1	33332.57	60.35	60.15	2	-7.397E-10	-4.932E-09	-9.389E-17	-5.583E+04	-2.926E+04	-1.955E+03	-7.397E-10	-4.932E-09	-2.240E-08	-2.912E+04	-5.597E+04	1.644E+00
403	2	33359.73	20.12	60.15	1	-7.632E-15	1.246E-16	-1.415E-09	-8.165E+04	-2.354E+04	-2.597E+03	1.415E-09	-1.415E-09	-7.854E-01	-2.342E+04	-8.177E+04	1.615E+00
403	2	33359.73	20.12	60.15	2	-8.041E-15	-2.840E-16	1.415E-09	-8.165E+04	-2.354E+04	-2.598E+03	1.415E-09	-1.415E-09	7.854E-01	-2.342E+04	-8.177E+04	1.615E+00
403	3	33386.90	60.35	60.15	1	-7.397E-10	-4.932E-09	-4.372E-16	-5.835E+04	-5.472E+03	1.918E+03	-7.397E-10	-4.932E-09	-1.043E-07	-5.403E+03	-5.842E+04	1.535E+00
403	3	33386.90	60.35	60.15	2	7.397E-10	4.932E-09	4.372E-16	-5.835E+04	-5.473E+03	1.918E+03	4.932E-09	7.397E-10	1.571E+00	-5.404E+03	-5.842E+04	1.535E+00
403	4	33359.73	100.58	60.15	1	-3.428E-15	1.467E-15	1.415E-09	-2.889E+04	-2.226E+04	3.012E+03	1.415E-09	-1.415E-09	7.854E-01	-2.110E+04	-3.005E+04	1.202E+00
403	4	33359.73	100.58	60.15	2	-3.767E-15	1.129E-15	-1.415E-09	-2.889E+04	-2.226E+04	3.012E+03	1.415E-09	-1.415E-09	-7.854E-01	-2.109E+04	-3.005E+04	1.202E+00

404	1	33405.23	60.35	60.15	1	2.115E-09	1.410E-08	1.860E-16	-5.696E+04	-1.939E+03	1.241E+03	1.410E-08	2.115E-09	1.571E+00	-1.911E+03	-5.698E+04	1.548E+00
404	1	33405.23	60.35	60.15	2	-2.115E-09	-1.410E-08	6.024E-16	-5.695E+04	-1.939E+03	1.241E+03	-2.115E-09	-1.410E-08	5.025E-08	-1.911E+03	-5.698E+04	1.548E+00
404	2	33414.73	20.12	60.15	1	-4.726E-15	1.161E-15	-1.415E-09	-7.687E+04	1.100E+03	-7.138E+02	1.415E-09	-1.415E-09	-7.854E-01	1.106E+03	-7.688E+04	1.580E+00
404	2	33414.73	20.12	60.15	2	-5.925E-15	-3.768E-17	1.415E-09	-7.687E+04	1.100E+03	-7.142E+02	1.415E-09	-1.415E-09	7.854E-01	1.107E+03	-7.688E+04	1.580E+00
404	3	33424.23	60.35	60.15	1	-2.115E-09	-1.410E-08	1.041E-16	-5.708E+04	-7.471E+02	-4.012E+03	-2.115E-09	-1.410E-08	8.683E-09	-4.628E+02	-5.737E+04	1.642E+00
404	3	33424.23	60.35	60.15	2	2.115E-09	1.410E-08	-1.041E-16	-5.708E+04	-7.472E+02	-4.012E+03	1.410E-08	2.115E-09	1.571E+00	-4.628E+02	-5.736E+04	1.642E+00
404	4	33414.73	100.58	60.15	1	-9.677E-15	3.692E-16	1.415E-09	-3.732E+04	-5.364E+03	2.021E+02	1.415E-09	-1.415E-09	7.854E-01	-5.363E+03	-3.732E+04	1.564E+00
404	4	33414.73	100.58	60.15	2	-1.087E-14	-8.200E-16	-1.415E-09	-3.731E+04	-5.364E+03	2.018E+02	1.415E-09	-1.415E-09	-7.854E-01	-5.363E+03	-3.731E+04	1.564E+00
405	1	33223.23	125.95	60.15	1	2.813E-16	1.788E-15	1.085E-08	2.663E+03	-1.823E+04	3.883E+02	1.085E-08	-1.085E-08	7.854E-01	2.671E+03	-1.823E+04	1.858E-02
405	1	33223.23	125.95	60.15	2	5.311E-16	1.121E-15	-1.085E-08	2.663E+03	-1.822E+04	3.881E+02	1.085E-08	-1.085E-08	-7.854E-01	2.671E+03	-1.823E+04	1.857E-02
405	2	33232.73	136.45	60.15	1	-2.820E-08	-4.231E-09	-1.332E-15	5.557E+03	-7.937E+03	1.633E+03	-4.231E-09	-2.820E-08	1.571E+00	5.752E+03	-8.132E+03	1.187E-01
405	2	33232.73	136.45	60.15	2	2.820E-08	4.231E-09	1.332E-15	5.557E+03	-7.937E+03	1.633E+03	2.820E-08	4.231E-09	5.557E-08	5.752E+03	-8.131E+03	1.187E-01
405	3	33223.23	146.95	60.15	1	6.298E-15	-5.087E-15	-1.085E-08	3.137E+03	8.704E+02	1.285E+03	1.085E-08	-1.085E-08	-7.854E-01	3.717E+03	2.900E+02	4.241E-01
405	3	33223.23	146.95	60.15	2	6.756E-15	-4.629E-15	1.085E-08	3.137E+03	8.702E+02	1.285E+03	1.085E-08	-1.085E-08	7.854E-01	3.717E+03	2.899E+02	4.241E-01
405	4	33213.73	136.45	60.15	1	2.820E-08	4.231E-09	-8.327E-16	9.167E+02	-9.931E+03	2.418E+03	2.820E-08	4.231E-09	-3.473E-08	1.431E+03	-1.045E+04	2.096E-01
405	4	33213.73	136.45	60.15	2	-2.820E-08	-4.231E-09	8.327E-16	9.167E+02	-9.931E+03	2.417E+03	-4.231E-09	-2.820E-08	1.571E+00	1.431E+03	-1.045E+04	2.096E-01
406	1	33278.23	125.95	60.15	1	-6.446E-16	-5.041E-15	1.085E-08	-6.275E+03	-1.372E+04	2.850E+03	1.085E-08	-1.085E-08	7.854E-01	-5.309E+03	-1.469E+04	3.267E-01
406	1	33278.23	125.95	60.15	2	-4.780E-16	-2.044E-15	-1.085E-08	-6.274E+03	-1.372E+04	2.850E+03	1.085E-08	-1.085E-08	-7.854E-01	-5.309E+03	-1.469E+04	3.267E-01
406	2	33305.40	136.45	60.15	1	-9.863E-09	-1.479E-09	-3.331E-16	-1.113E+04	-1.067E+04	9.562E+02	-1.479E-09	-9.863E-09	1.571E+00	-9.915E+03	-1.188E+04	9.034E-01
406	2	33305.40	136.45	60.15	2	9.863E-09	1.479E-09	3.331E-16	-1.113E+04	-1.067E+04	9.560E+02	9.863E-09	1.479E-09	3.973E-08	-9.915E+03	-1.188E+04	9.034E-01
406	3	33278.23	146.95	60.15	1	3.305E-15	-7.992E-15	-1.085E-08	-5.980E+03	-4.253E+03	2.131E+03	1.085E-08	-1.085E-08	-7.854E-01	-2.817E+03	-7.416E+03	9.779E-01
406	3	33278.23	146.95	60.15	2	4.304E-15	-6.992E-15	1.085E-08	-5.979E+03	-4.252E+03	2.131E+03	1.085E-08	-1.085E-08	7.854E-01	-2.817E+03	-7.415E+03	9.779E-01
406	4	33251.07	136.45	60.15	1	9.863E-09	1.479E-09	-2.498E-16	-1.128E+03	-1.060E+04	2.997E+03	9.863E-09	1.479E-09	-2.980E-08	-2.597E+02	-1.147E+04	2.821E-01
406	4	33251.07	136.45	60.15	2	-9.863E-09	-1.479E-09	2.498E-16	-1.128E+03	-1.060E+04	2.996E+03	-1.479E-09	-9.863E-09	1.571E+00	-2.596E+02	-1.147E+04	2.820E-01
407	1	33359.73	125.95	60.15	1	7.535E-16	9.030E-15	1.085E-08	-6.275E+03	-1.372E+04	-2.850E+03	1.085E-08	-1.085E-08	7.854E-01	-5.309E+03	-1.469E+04	-3.267E-01
407	1	33359.73	125.95	60.15	2	7.535E-16	9.030E-15	-1.085E-08	-6.274E+03	-1.372E+04	-2.850E+03	1.085E-08	-1.085E-08	-7.854E-01	-5.309E+03	-1.469E+04	-3.267E-01
407	2	33386.90	136.45	60.15	1	-9.863E-09	-1.479E-09	5.204E-16	-1.128E+03	-1.060E+04	-2.997E+03	-1.479E-09	-9.863E-09	1.571E+00	-2.597E+02	-1.147E+04	-2.821E-01
407	2	33386.90	136.45	60.15	2	9.863E-09	1.479E-09	-5.204E-16	-1.128E+03	-1.060E+04	-2.996E+03	9.863E-09	1.479E-09	-6.208E-08	-2.596E+02	-1.147E+04	-2.820E-01
407	3	33359.73	146.95	60.15	1	1.084E-14	-1.789E-15	-1.085E-08	-5.980E+03	-4.253E+03	-2.131E+03	1.085E-08	-1.085E-08	-7.854E-01	-2.817E+03	-7.416E+03	2.164E+00
407	3	33359.73	146.95	60.15	2	1.077E-14	-1.862E-15	1.085E-08	-5.979E+03	-4.252E+03	-2.131E+03	1.085E-08	-1.085E-08	7.854E-01	-2.817E+03	-7.415E+03	2.164E+00
407	4	33332.57	136.45	60.15	1	9.863E-09	1.479E-09	6.037E-16	-1.113E+04	-1.067E+04	9.561E+02	9.863E-09	1.479E-09	7.201E-08	-9.915E+03	-1.188E+04	9.034E-01
407	4	33332.57	136.45	60.15	2	-9.863E-09	-1.479E-09	-6.037E-16	-1.113E+04	-1.067E+04	9.561E+02	-1.479E-09	-9.863E-09	1.571E+00	-9.915E+03	-1.188E+04	9.034E-01
408	1	33414.73	125.95	60.15	1	-6.724E-15	9.016E-15	1.085E-08	2.663E+03	-1.823E+04	-3.882E+02	1.085E-08	-1.085E-08	7.854E-01	2.671E+03	-1.823E+04	-1.858E-02
408	1	33414.73	125.95	60.15	2	-7.646E-15	1.689E-15	-1.085E-08	2.663E+03	-1.822E+04	-3.882E+02	1.085E-08	-1.085E-08	-7.854E-01	2.671E+03	-1.823E+04	-1.857E-02
408	2	33424.23	136.45	60.15	1	-2.820E-08	-4.231E-09	4.476E-16	9.167E+02	-9.931E+03	-2.417E+03	-4.231E-09	-2.820E-08	1.571E+00	1.431E+03	-1.045E+04	-2.096E-01
408	2	33424.23	136.45	60.15	2	2.820E-08	4.231E-09	-4.476E-16	9.167E+02	-9.931E+03	-2.417E+03	2.820E-08	4.231E-09	-1.867E-08	1.431E+03	-1.045E+04	-2.096E-01
408	3	33414.73	146.95	60.15	1	3.857E-14	-2.917E-14	-1.085E-08	3.137E+03	8.703E+02	-1.285E+03	1.085E-08	-1.085E-08	-7.854E-01	3.717E+03	2.900E+02	-4.241E-01
408	3	33414.73	146.95	60.15	2	3.444E-14	-3.329E-14	1.085E-08	3.137E+03	8.702E+02	-1.285E+03	1.085E-08	-1.085E-08	7.854E-01	3.717E+03	2.899E+02	-4.241E-01
408	4	33405.23	136.45	60.15	1	2.820E-08	4.231E-09	4.684E-16	5.557E+03	-7.937E+03	-1.633E+03	2.820E-08	4.231E-09	1.954E-08	5.752E+03	-8.132E+03	-1.187E-01
408	4	33405.23	136.45	60.15	2	-2.820E-08	-4.231E-09	-4.684E-16	5.557E+03	-7.937E+03	-1.633E+03	-4.231E-09	-2.820E-08	1.571E+00	5.752E+03	-8.131E+03	-1.187E-01
409	1	33223.23	157.45	60.15	1	1.529E-16	-4.857E-16	1.085E-08	4.180E+03	3.575E+03	2.146E+03	1.085E-08	-1.085E-08	7.854E-01	6.045E+03	1.710E+03	7.154E-01
409	1	33223.23	157.45	60.15	2	-3.467E-16	1.804E-16	-1.085E-08	4.180E+03	3.575E+03	2.146E+03	1.085E-08	-1.085E-08	-7.854E-01	6.045E+03	1.710E+03	7.154E-01
409	2	33232.73	167.95	60.15	1	-2.820E-08	-4.231E-09	-8.327E-16	5.712E+03	2.403E+03	1.212E+03	-4.231E-09	-2.820E-08	1.571E+00	6.108E+03	2.006E+03	3.162E-01

409	2	33232.73	167.95	60.15	2	2.820E-08	4.231E-09	8.327E-16	5.711E+03	2.403E+03	1.212E+03	2.820E-08	4.231E-09	3.473E-08	6.108E+03	2.006E+03	3.162E-01
409	3	33223.23	178.45	60.15	1	4.618E-15	-5.799E-15	-1.085E-08	2.862E+03	7.137E+02	1.613E+03	1.085E-08	-1.085E-08	-7.854E-01	3.726E+03	-1.500E+02	4.916E-01
409	3	33223.23	178.45	60.15	2	5.617E-15	-4.800E-15	1.085E-08	2.862E+03	7.136E+02	1.613E+03	1.085E-08	-1.085E-08	7.854E-01	3.725E+03	-1.500E+02	4.916E-01
409	4	33213.73	167.95	60.15	1	2.820E-08	4.231E-09	-4.996E-16	4.847E+02	2.530E+03	1.744E+03	2.820E-08	4.231E-09	-2.084E-08	3.530E+03	-5.145E+02	1.051E+00
409	4	33213.73	167.95	60.15	2	-2.820E-08	-4.231E-09	4.996E-16	4.847E+02	2.530E+03	1.744E+03	-4.231E-09	-2.820E-08	1.571E+00	3.529E+03	-5.145E+02	1.051E+00
410	1	33278.23	157.45	60.15	1	5.261E-16	-7.634E-16	1.085E-08	-5.411E+03	-1.069E+03	1.641E+03	1.085E-08	-1.085E-08	7.854E-01	-5.184E+02	-5.961E+03	1.247E+00
410	1	33278.23	157.45	60.15	2	7.759E-16	-4.304E-16	-1.085E-08	-5.410E+03	-1.069E+03	1.641E+03	1.085E-08	-1.085E-08	-7.854E-01	-5.185E+02	-5.961E+03	1.247E+00
410	2	33305.40	167.95	60.15	1	-9.863E-09	-1.479E-09	-8.327E-16	-1.189E+04	-1.743E+03	2.200E+02	-1.479E-09	-9.863E-09	1.571E+00	-1.738E+03	-1.189E+04	1.549E+00
410	2	33305.40	167.95	60.15	2	9.863E-09	1.479E-09	8.327E-16	-1.189E+04	-1.743E+03	2.199E+02	9.863E-09	1.479E-09	9.932E-08	-1.738E+03	-1.189E+04	1.549E+00
410	3	33278.23	178.45	60.15	1	4.921E-15	-6.791E-15	-1.085E-08	-5.520E+03	-4.045E+02	3.853E+02	1.085E-08	-1.085E-08	-7.854E-01	-3.756E+02	-5.549E+03	1.496E+00
410	3	33278.23	178.45	60.15	2	5.628E-15	-6.083E-15	1.085E-08	-5.519E+03	-4.044E+02	3.853E+02	1.085E-08	-1.085E-08	7.854E-01	-3.756E+02	-5.548E+03	1.496E+00
410	4	33251.07	167.95	60.15	1	9.863E-09	1.479E-09	-8.327E-17	9.571E+02	-2.474E+02	5.917E+02	9.863E-09	1.479E-09	-9.932E-09	1.199E+03	-4.895E+02	3.883E-01
410	4	33251.07	167.95	60.15	2	-9.863E-09	-1.479E-09	8.327E-17	9.571E+02	-2.474E+02	5.917E+02	-1.479E-09	-9.863E-09	1.571E+00	1.199E+03	-4.894E+02	3.882E-01
411	1	33359.73	157.45	60.15	1	-3.401E-15	-7.440E-15	1.085E-08	-5.411E+03	-1.069E+03	-1.641E+03	1.085E-08	-1.085E-08	7.854E-01	-5.185E+02	-5.961E+03	1.895E+00
411	1	33359.73	157.45	60.15	2	-3.006E-15	-7.440E-15	-1.085E-08	-5.410E+03	-1.069E+03	-1.641E+03	1.085E-08	-1.085E-08	-7.854E-01	-5.184E+02	-5.961E+03	1.895E+00
411	2	33386.90	167.95	60.15	1	-9.863E-09	-1.479E-09	-8.119E-16	9.571E+02	-2.474E+02	-5.917E+02	-1.479E-09	-9.863E-09	1.571E+00	1.199E+03	-4.895E+02	-3.883E-01
411	2	33386.90	167.95	60.15	2	9.863E-09	1.479E-09	8.119E-16	9.572E+02	-2.474E+02	-5.917E+02	9.863E-09	1.479E-09	9.684E-08	1.199E+03	-4.894E+02	-3.883E-01
411	3	33359.73	178.45	60.15	1	1.903E-15	-1.784E-14	-1.085E-08	-5.520E+03	-4.045E+02	-3.853E+02	1.085E-08	-1.085E-08	-7.854E-01	-3.756E+02	-5.549E+03	1.646E+00
411	3	33359.73	178.45	60.15	2	3.059E-15	-1.669E-14	1.085E-08	-5.519E+03	-4.044E+02	-3.853E+02	1.085E-08	-1.085E-08	7.854E-01	-3.756E+02	-5.548E+03	1.646E+00
411	4	33332.57	167.95	60.15	1	9.863E-09	1.479E-09	5.204E-16	-1.189E+04	-1.743E+03	2.199E+02	9.863E-09	1.479E-09	6.208E-08	-1.738E+03	-1.189E+04	1.549E+00
411	4	33332.57	167.95	60.15	2	-9.863E-09	-1.479E-09	-5.204E-16	-1.189E+04	-1.743E+03	2.199E+02	-1.479E-09	-9.863E-09	1.571E+00	-1.738E+03	-1.189E+04	1.549E+00
412	1	33414.73	157.45	60.15	1	7.181E-15	3.683E-14	1.085E-08	4.180E+03	3.575E+03	-2.146E+03	1.085E-08	-1.085E-08	7.854E-01	6.045E+03	1.710E+03	-7.154E-01
412	1	33414.73	157.45	60.15	2	5.969E-15	2.771E-14	-1.085E-08	4.180E+03	3.575E+03	-2.146E+03	1.085E-08	-1.085E-08	-7.854E-01	6.045E+03	1.710E+03	-7.154E-01
412	2	33424.23	167.95	60.15	1	-2.820E-08	-4.231E-09	9.784E-16	4.847E+02	2.530E+03	-1.744E+03	-4.231E-09	-2.820E-08	1.571E+00	3.530E+03	-5.145E+02	2.091E+00
412	2	33424.23	167.95	60.15	2	2.820E-08	4.231E-09	-9.784E-16	4.847E+02	2.530E+03	-1.744E+03	2.820E-08	4.231E-09	-4.081E-08	3.530E+03	-5.145E+02	2.091E+00
412	3	33414.73	178.45	60.15	1	4.190E-14	4.144E-15	-1.085E-08	2.862E+03	7.137E+02	-1.613E+03	1.085E-08	-1.085E-08	-7.854E-01	3.726E+03	-1.500E+02	-4.916E-01
412	3	33414.73	178.45	60.15	2	3.829E-14	5.322E-16	1.085E-08	2.862E+03	7.136E+02	-1.613E+03	1.085E-08	-1.085E-08	7.854E-01	3.725E+03	-1.500E+02	-4.916E-01
412	4	33405.23	167.95	60.15	1	2.820E-08	4.231E-09	1.436E-15	5.711E+03	2.403E+03	-1.212E+03	2.820E-08	4.231E-09	5.991E-08	6.108E+03	2.006E+03	-3.162E-01
412	4	33405.23	167.95	60.15	2	-2.820E-08	-4.231E-09	-1.436E-15	5.711E+03	2.403E+03	-1.212E+03	-4.231E-09	-2.820E-08	1.571E+00	6.108E+03	2.006E+03	-3.162E-01
413	1	35776.73	-167.95	62.70	1	2.426E+00	-1.479E+00	8.100E-01	4.282E+03	1.119E+03	2.447E+03	2.588E+00	-1.640E+00	1.966E-01	5.614E+03	-2.131E+02	4.985E-01
413	1	35776.73	-167.95	62.70	2	-5.149E+00	1.508E+00	-2.257E+00	1.046E+03	6.040E+01	9.902E+02	2.201E+00	-5.842E+00	1.869E+00	1.659E+03	-5.530E+02	5.546E-01
413	2	35786.23	-178.45	62.70	1	-4.485E-02	3.428E+00	1.345E+00	3.425E+02	3.028E+03	1.977E+03	3.888E+00	-5.047E-01	1.241E+00	4.075E+03	-7.045E+02	1.084E+00
413	2	35786.23	-178.45	62.70	2	-3.172E-02	-5.749E+00	-2.431E+00	9.074E+02	2.125E+03	1.141E+03	8.621E-01	-6.642E+00	-3.524E-01	2.809E+03	2.228E+02	1.030E+00
413	3	35795.73	-167.95	62.70	1	-3.366E-01	-6.621E-01	2.782E+00	2.261E+03	6.815E+03	1.058E+03	2.287E+00	-3.286E+00	7.562E-01	7.048E+03	2.027E+03	1.353E+00
413	3	35795.73	-167.95	62.70	2	2.088E+00	-6.309E-01	-4.969E+00	1.810E+03	3.630E+03	1.169E+03	5.880E+00	-4.423E+00	-6.519E-01	4.201E+03	1.238E+03	1.116E+00
413	4	35786.23	-157.45	62.70	1	2.135E+00	-5.569E+00	2.247E+00	5.364E+03	6.003E+03	3.782E+03	2.742E+00	-6.177E+00	2.641E-01	9.479E+03	1.888E+03	8.276E-01
413	4	35786.23	-157.45	62.70	2	-3.029E+00	6.625E+00	-4.794E+00	1.568E+03	2.064E+03	9.518E+02	8.602E+00	-5.006E+00	1.962E+00	2.799E+03	8.323E+02	9.128E-01
414	1	35814.07	-167.95	62.70	1	2.262E+00	1.666E+01	5.587E+00	-7.907E+02	-2.807E+03	3.920E+02	1.858E+01	3.486E-01	1.241E+00	-7.171E+02	-2.881E+03	1.854E-01
414	1	35814.07	-167.95	62.70	2	-1.267E-01	-1.540E+01	-3.991E+00	-2.370E+02	3.992E+03	5.162E+02	8.534E-01	-1.638E+01	-2.408E-01	4.055E+03	-2.991E+02	1.451E+00
414	2	35841.23	-178.45	62.70	1	1.143E-01	1.553E+01	4.343E+00	-1.081E+02	-7.650E+03	6.986E+02	1.667E+01	-1.025E+00	1.314E+00	-4.392E+01	-7.714E+03	9.160E-02
414	2	35841.23	-178.45	62.70	2	-1.417E-01	-1.381E+01	-2.243E+00	-5.889E+02	-3.373E+03	-3.120E+02	2.170E-01	-1.417E+01	-1.586E-01	-5.544E+02	-3.408E+03	-1.102E-01
414	3	35868.40	-167.95	62.70	1	-2.996E+00	1.666E+01	3.098E+00	-1.801E+03	-1.276E+04	4.122E+02	1.714E+01	-3.472E+00	1.418E+00	-1.785E+03	-1.278E+04	3.753E-02
414	3	35868.40	-167.95	62.70	2	1.194E+00	-1.539E+01	-4.950E-01	-9.626E+02	-1.033E+04	-1.319E+02	1.209E+00	-1.541E+01	-2.980E-02	-9.608E+02	-1.033E+04	-1.408E-02



414	4	35841.23	-157.45	62.70	1	-8.479E-01	1.779E+01	4.342E+00	-1.782E+03	-7.918E+03	1.637E+03	1.875E+01	-1.810E+00	1.353E+00	-1.372E+03	-8.328E+03	2.450E-01
414	4	35841.23	-157.45	62.70	2	1.209E+00	-1.698E+01	-2.243E+00	-3.048E+02	-2.961E+03	8.662E+02	1.482E+00	-1.726E+01	-1.209E-01	-4.733E+01	-3.219E+03	2.890E-01
415	1	35895.57	-167.95	62.70	1	-2.997E+00	1.665E+01	-3.097E+00	-1.819E+03	-1.275E+04	3.729E+02	1.713E+01	-3.473E+00	1.723E+00	-1.806E+03	-1.276E+04	3.406E-02
415	1	35895.57	-167.95	62.70	2	1.193E+00	-1.540E+01	4.954E-01	-9.509E+02	-1.033E+04	-1.452E+02	1.208E+00	-1.542E+01	2.982E-02	-9.486E+02	-1.034E+04	-1.547E-02
415	2	35922.73	-178.45	62.70	1	1.236E-01	1.552E+01	-4.350E+00	-1.172E+02	-7.704E+03	-6.741E+02	1.666E+01	-1.021E+00	1.828E+00	-5.779E+01	-7.763E+03	-8.793E-02
415	2	35922.73	-178.45	62.70	2	-1.324E-01	-1.382E+01	2.235E+00	-5.954E+02	-3.342E+03	3.364E+02	2.234E-01	-1.418E+01	1.578E-01	-5.548E+02	-3.383E+03	1.201E-01
415	3	35949.90	-167.95	62.70	1	2.275E+00	1.666E+01	-5.603E+00	-8.183E+02	-2.925E+03	-3.601E+02	1.858E+01	3.502E-01	1.902E+00	-7.585E+02	-2.985E+03	-1.647E-01
415	3	35949.90	-167.95	62.70	2	-1.134E-01	-1.540E+01	3.975E+00	-2.444E+02	4.070E+03	-5.140E+02	8.582E-01	-1.637E+01	2.398E-01	4.131E+03	-3.048E+02	1.688E+00
415	4	35922.73	-157.45	62.70	1	-8.448E-01	1.779E+01	-4.350E+00	-1.810E+03	-7.971E+03	-1.601E+03	1.876E+01	-1.810E+00	1.789E+00	-1.418E+03	-8.363E+03	-2.396E-01
415	4	35922.73	-157.45	62.70	2	1.212E+00	-1.698E+01	2.235E+00	-2.961E+02	-2.922E+03	-8.433E+02	1.483E+00	-1.725E+01	1.205E-01	-4.858E+01	-3.169E+03	-2.855E-01
416	1	35968.23	-167.95	62.70	1	-3.248E-01	-6.778E-01	-2.756E+00	2.234E+03	6.806E+03	-1.057E+03	2.260E+00	-3.263E+00	-7.534E-01	7.038E+03	2.001E+03	1.787E+00
416	1	35968.23	-167.95	62.70	2	2.100E+00	-6.464E-01	4.994E+00	1.795E+03	3.578E+03	-1.142E+03	5.906E+00	-4.453E+00	6.512E-01	4.135E+03	1.238E+03	2.025E+00
416	2	35977.73	-178.45	62.70	1	-5.023E-02	3.401E+00	-1.330E+00	3.277E+02	3.001E+03	-1.972E+03	3.854E+00	-5.032E-01	1.899E+00	4.047E+03	-7.183E+02	2.058E+00
416	2	35977.73	-178.45	62.70	2	-3.713E-02	-5.776E+00	2.446E+00	9.146E+02	2.108E+03	-1.133E+03	8.638E-01	-6.676E+00	3.529E-01	2.792E+03	2.302E+02	2.114E+00
416	3	35987.23	-167.95	62.70	1	2.395E+00	-1.482E+00	-7.920E-01	4.309E+03	1.133E+03	-2.450E+03	2.551E+00	-1.637E+00	-1.939E-01	5.641E+03	-1.986E+02	-4.978E-01
416	3	35987.23	-167.95	62.70	2	-5.180E+00	1.505E+00	2.275E+00	1.019E+03	5.280E+01	-9.752E+02	2.205E+00	-5.881E+00	1.272E+00	1.624E+03	-5.525E+02	-5.555E-01
416	4	35977.73	-157.45	62.70	1	2.121E+00	-5.561E+00	-2.218E+00	5.378E+03	6.036E+03	-3.811E+03	2.715E+00	-6.155E+00	-2.619E-01	9.532E+03	1.882E+03	2.313E+00
416	4	35977.73	-157.45	62.70	2	-3.043E+00	6.634E+00	4.823E+00	1.525E+03	2.014E+03	-9.326E+02	8.627E+00	-5.037E+00	1.179E+00	2.734E+03	8.054E+02	2.228E+00
417	1	35786.23	-146.95	62.70	1	-6.694E+00	-5.367E+00	8.691E+00	5.374E+03	5.893E+03	-2.818E+03	2.686E+00	-1.475E+01	8.235E-01	8.463E+03	2.804E+03	2.310E+00
417	1	35786.23	-146.95	62.70	2	6.763E+00	-2.109E+00	-6.402E+00	1.171E+03	-1.188E+03	-1.808E+02	1.012E+01	-5.462E+00	-4.824E-01	1.184E+03	-1.202E+03	-7.604E-02
417	2	35795.73	-136.45	62.70	1	-1.936E+00	-8.618E+00	8.849E+00	8.141E+03	-4.713E+03	-3.613E+03	4.182E+00	-1.474E+01	6.049E-01	9.087E+03	-5.659E+03	-2.561E-01
417	2	35795.73	-136.45	62.70	2	2.756E+00	-1.680E+00	-7.509E+00	3.595E+03	-7.516E+03	5.401E+02	8.367E+00	-7.292E+00	-6.418E-01	3.622E+03	-7.542E+03	4.846E-02
417	3	35786.23	-125.95	62.70	1	1.486E+00	-7.349E+00	7.215E+00	2.791E+03	-1.869E+04	-1.216E+03	5.528E+00	-1.139E+01	5.107E-01	2.860E+03	-1.876E+04	-5.637E-02
417	3	35786.23	-125.95	62.70	2	-1.596E+00	-8.393E-02	-6.783E+00	2.972E+03	-1.477E+04	5.741E+02	5.985E+00	-7.666E+00	2.301E+00	2.991E+03	-1.479E+04	3.231E-02
417	4	35776.73	-136.45	62.70	1	-3.272E+00	-4.098E+00	7.057E+00	2.099E+02	-8.227E+03	-3.595E+03	3.384E+00	-1.075E+01	7.562E-01	1.534E+03	-9.551E+03	-3.529E-01
417	4	35776.73	-136.45	62.70	2	2.411E+00	-5.127E-01	-5.676E+00	1.262E+03	-8.986E+03	-1.131E+03	6.811E+00	-4.912E+00	-6.594E-01	1.385E+03	-9.109E+03	-1.087E-01
418	1	35841.23	-146.95	62.70	1	1.705E+01	-5.769E+00	3.258E+00	-8.383E+03	-4.494E+03	-1.801E+03	1.751E+01	-6.225E+00	1.391E-01	-3.788E+03	-9.089E+03	1.944E+00
418	1	35841.23	-146.95	62.70	2	-1.706E+01	6.820E-01	-5.214E+00	-3.311E+03	-1.876E+03	-1.777E+03	2.101E+00	-1.848E+01	1.836E+00	-6.773E+02	-4.510E+03	2.164E+00
418	2	35868.40	-136.45	62.70	1	1.189E+01	-6.015E-01	-2.424E+00	-1.219E+04	-9.839E+03	-6.372E+02	1.234E+01	-1.055E+00	-1.851E-01	-9.678E+03	-1.235E+04	1.819E+00
418	2	35868.40	-136.45	62.70	2	-1.198E+01	9.354E-01	3.742E-01	-1.008E+04	-1.027E+04	-1.196E+03	9.463E-01	-1.199E+01	1.542E+00	-8.975E+03	-1.137E+04	-7.458E-01
418	3	35841.23	-125.95	62.70	1	6.723E+00	-1.377E+00	3.257E+00	-6.968E+03	-1.031E+04	-2.914E+03	7.871E+00	-2.524E+00	3.387E-01	-5.280E+03	-1.200E+04	-5.250E-01
418	3	35841.23	-125.95	62.70	2	-6.902E+00	-3.638E+00	-5.215E+00	-5.380E+03	-1.509E+04	-2.708E+03	1.941E-01	-1.073E+01	2.205E+00	-4.676E+03	-1.580E+04	-2.543E-01
418	4	35814.07	-136.45	62.70	1	1.189E+01	-6.544E+00	8.940E+00	-3.163E+03	-7.812E+03	-4.700E+03	1.551E+01	-1.017E+01	3.851E-01	-2.443E+02	-1.073E+04	-5.557E-01
418	4	35814.07	-136.45	62.70	2	-1.198E+01	-3.891E+00	-1.080E+01	1.387E+03	-9.740E+03	-1.129E+03	3.598E+00	-1.947E+01	2.177E+00	1.500E+03	-9.854E+03	-1.001E-01
419	1	35922.73	-146.95	62.70	1	1.705E+01	-5.826E+00	-3.250E+00	-8.432E+03	-4.502E+03	1.769E+03	1.750E+01	-6.279E+00	-1.384E-01	-3.823E+03	-9.111E+03	1.204E+00
419	1	35922.73	-146.95	62.70	2	-1.707E+01	6.243E-01	5.222E+00	-3.263E+03	-1.805E+03	1.757E+03	2.050E+00	-1.850E+01	1.304E+00	-6.315E+02	-4.436E+03	9.820E-01
419	2	35949.90	-136.45	62.70	1	1.188E+01	-6.661E+00	-8.928E+00	-3.222E+03	-7.718E+03	4.716E+03	1.548E+01	-1.026E+01	-3.833E-01	-2.453E+02	-1.069E+04	5.630E-01
419	2	35949.90	-136.45	62.70	2	-1.199E+01	-4.008E+00	1.081E+01	1.460E+03	-9.694E+03	1.091E+03	3.528E+00	-1.953E+01	9.621E-01	1.566E+03	-9.800E+03	9.658E-02
419	3	35922.73	-125.95	62.70	1	6.722E+00	-1.437E+00	-3.249E+00	-6.977E+03	-1.023E+04	2.890E+03	7.857E+00	-2.572E+00	-3.363E-01	-5.287E+03	-1.192E+04	5.292E-01
419	3	35922.73	-125.95	62.70	2	-6.904E+00	-3.698E+00	5.223E+00	-5.363E+03	-1.512E+04	2.714E+03	1.623E-01	-1.076E+01	9.343E-01	-4.658E+03	-1.582E+04	2.539E-01
419	4	35895.57	-136.45	62.70	1	1.189E+01	-6.022E-01	2.429E+00	-1.219E+04	-9.847E+03	-6.083E+02	1.234E+01	-1.058E+00	1.855E-01	-9.699E+03	-1.234E+04	1.810E+00
419	4	35895.57	-136.45	62.70	2	-1.199E+01	9.347E-01	-3.690E-01	-1.009E+04	-1.026E+04	-1.187E+03	9.453E-01	-1.200E+01	1.599E+00	-8.982E+03	-1.136E+04	-7.496E-01
420	1	35977.73	-146.95	62.70	1	-6.697E+00	-5.458E+00	-8.723E+00	5.424E+03	6.023E+03	2.845E+03	2.667E+00	-1.482E+01	2.321E+00	8.584E+03	2.864E+03	8.379E-01

420	1	35977.73	-146.95	62.70	2	6.760E+00	-2.200E+00	6.370E+00	1.129E+03	-1.199E+03	1.621E+02	1.007E+01	-5.508E+00	4.789E-01	1.141E+03	-1.211E+03	6.916E-02
420	2	35987.23	-136.45	62.70	1	-3.281E+00	-4.165E+00	-7.080E+00	1.925E+02	-8.167E+03	3.607E+03	3.371E+00	-1.082E+01	-7.542E-01	1.534E+03	-9.509E+03	3.560E-01
420	2	35987.23	-136.45	62.70	2	2.402E+00	-5.795E-01	5.653E+00	1.266E+03	-8.942E+03	1.102E+03	6.757E+00	-4.935E+00	6.565E-01	1.384E+03	-9.060E+03	1.064E-01
420	3	35977.73	-125.95	62.70	1	1.485E+00	-7.440E+00	-7.230E+00	2.799E+03	-1.867E+04	1.223E+03	5.519E+00	-1.147E+01	-5.089E-01	2.868E+03	-1.874E+04	5.672E-02
420	3	35977.73	-125.95	62.70	2	-1.597E+00	-1.754E-01	6.768E+00	2.986E+03	-1.467E+04	-5.947E+02	5.918E+00	-7.691E+00	8.377E-01	3.006E+03	-1.469E+04	-3.362E-02
420	4	35968.23	-136.45	62.70	1	-1.931E+00	-8.733E+00	-8.873E+00	8.202E+03	-4.613E+03	3.641E+03	4.170E+00	-1.483E+01	-6.024E-01	9.164E+03	-5.575E+03	2.584E-01
420	4	35968.23	-136.45	62.70	2	2.761E+00	-1.796E+00	7.485E+00	3.560E+03	-7.474E+03	-5.923E+02	8.307E+00	-7.341E+00	6.376E-01	3.592E+03	-7.506E+03	-5.347E-02
421	1	35776.73	-60.35	62.70	1	-4.110E+00	1.107E+00	8.109E-01	-5.537E+04	-8.789E+02	-1.902E+03	1.230E+00	-4.233E+00	1.420E+00	-8.126E+02	-5.543E+04	1.606E+00
421	1	35776.73	-60.35	62.70	2	-4.279E-01	-9.621E-01	-8.219E-01	-5.631E+04	-5.539E+02	-6.187E+03	1.692E-01	-1.559E+00	-6.283E-01	1.244E+02	-5.699E+04	1.680E+00
421	2	35786.23	-100.58	62.70	1	-3.535E+00	2.058E+00	1.695E+00	-3.526E+04	-5.528E+03	2.878E+03	2.531E+00	-4.009E+00	1.298E+00	-5.252E+03	-3.554E+04	1.475E+00
421	2	35786.23	-100.58	62.70	2	-9.164E-01	-1.721E+00	-1.582E+00	-3.681E+04	-5.107E+03	-2.562E+03	3.136E-01	-2.951E+00	-6.608E-01	-4.901E+03	-3.702E+04	1.651E+00
421	3	35795.73	-60.35	62.70	1	-3.157E+00	6.783E-01	7.646E-01	-5.506E+04	-1.763E+03	3.372E+03	8.251E-01	-3.304E+00	1.381E+00	-1.550E+03	-5.528E+04	1.508E+00
421	3	35795.73	-60.35	62.70	2	-1.246E+00	-5.944E-01	-7.844E-01	-5.640E+04	-2.119E+03	-9.178E+02	-7.085E-02	-1.770E+00	2.159E+00	-2.104E+03	-5.642E+04	1.588E+00
421	4	35786.23	-20.12	62.70	1	-3.732E+00	-2.729E-01	-1.195E-01	-7.532E+04	1.350E+03	3.002E+03	-2.687E-01	-3.736E+00	1.605E+00	1.468E+03	-7.543E+04	1.532E+00
421	4	35786.23	-20.12	62.70	2	-7.577E-01	1.648E-01	-2.420E-02	-7.605E+04	8.712E+02	-1.564E+03	1.655E-01	-7.583E-01	1.597E+00	9.029E+02	-7.608E+04	1.591E+00
422	1	35814.07	-60.35	62.70	1	-2.786E+00	3.153E+00	9.392E-01	-5.677E+04	-7.415E+03	3.733E+03	3.298E+00	-2.931E+00	1.418E+00	-7.134E+03	-5.705E+04	1.496E+00
422	1	35814.07	-60.35	62.70	2	-1.617E+00	-3.065E+00	-4.625E-01	-5.746E+04	-3.488E+03	8.044E+01	-1.482E+00	-3.201E+00	-2.841E-01	-3.488E+03	-5.746E+04	1.569E+00
422	2	35841.23	-100.58	62.70	1	-3.142E+00	6.459E+00	1.377E+00	-2.742E+04	-2.588E+04	4.404E+03	6.652E+00	-3.335E+00	1.431E+00	-2.218E+04	-3.112E+04	8.723E-01
422	2	35841.23	-100.58	62.70	2	-4.777E-01	-6.428E+00	-4.416E-01	-2.795E+04	-1.864E+04	1.635E+03	-4.451E-01	-6.461E+00	-7.367E-02	-1.836E+04	-2.823E+04	1.402E+00
422	3	35868.40	-60.35	62.70	1	-2.459E+00	3.036E+00	1.641E+00	-5.372E+04	-3.075E+04	2.353E+03	3.489E+00	-2.912E+00	1.302E+00	-3.051E+04	-5.396E+04	1.470E+00
422	3	35868.40	-60.35	62.70	2	-3.051E-01	-3.534E+00	-1.115E+00	-5.556E+04	-2.813E+04	1.512E+03	4.251E-02	-3.882E+00	-3.022E-01	-2.804E+04	-5.564E+04	1.516E+00
422	4	35841.23	-20.12	62.70	1	-2.103E+00	-2.690E-01	1.204E+00	-7.936E+04	-2.357E+04	3.528E+03	3.271E-01	-2.699E+00	1.111E+00	-2.334E+04	-7.958E+04	1.508E+00
422	4	35841.23	-20.12	62.70	2	-1.444E+00	-1.717E-01	-1.136E+00	-8.159E+04	-2.357E+04	1.632E+03	4.941E-01	-2.110E+00	2.101E+00	-2.352E+04	-8.164E+04	1.543E+00
423	1	35895.57	-60.35	62.70	1	-2.460E+00	3.029E+00	-1.643E+00	-5.372E+04	-3.077E+04	2.353E+03	3.483E+00	-2.914E+00	1.841E+00	-3.054E+04	-5.396E+04	1.470E+00
423	1	35895.57	-60.35	62.70	2	-3.063E-01	-3.542E+00	1.113E+00	-5.555E+04	-2.811E+04	1.526E+03	3.961E-02	-3.888E+00	3.013E-01	-2.803E+04	-5.564E+04	1.515E+00
423	2	35922.73	-100.58	62.70	1	-3.170E+00	6.462E+00	-1.393E+00	-2.742E+04	-2.595E+04	-4.379E+03	6.659E+00	-3.368E+00	1.712E+00	-2.224E+04	-3.112E+04	2.273E+00
423	2	35922.73	-100.58	62.70	2	-5.062E-01	-6.425E+00	4.253E-01	-2.793E+04	-1.858E+04	-1.626E+03	-4.758E-01	-6.456E+00	7.136E-02	-1.830E+04	-2.821E+04	1.738E+00
423	3	35949.90	-60.35	62.70	1	-2.841E+00	3.165E+00	-9.410E-01	-5.674E+04	-7.444E+03	-3.756E+03	3.309E+00	-2.985E+00	1.723E+00	-7.159E+03	-5.703E+04	1.646E+00
423	3	35949.90	-60.35	62.70	2	-1.672E+00	-3.054E+00	4.607E-01	-5.745E+04	-3.441E+03	-6.722E+01	-1.533E+00	-3.194E+00	2.941E-01	-3.441E+03	-5.745E+04	1.572E+00
423	4	35922.73	-20.12	62.70	1	-2.131E+00	-2.682E-01	-1.191E+00	-7.934E+04	-2.356E+04	1.629E+03	3.124E-01	-2.711E+00	2.024E+00	-2.352E+04	-7.939E+04	1.542E+00
423	4	35922.73	-20.12	62.70	2	-1.472E+00	-1.709E-01	1.149E+00	-8.160E+04	-2.356E+04	3.533E+03	4.984E-01	-2.142E+00	1.043E+00	-2.335E+04	-8.181E+04	1.510E+00
424	1	35968.23	-60.35	62.70	1	-3.214E+00	6.776E-01	-7.592E-01	-5.503E+04	-1.762E+03	-3.393E+03	8.204E-01	-3.357E+00	1.757E+00	-1.547E+03	-5.525E+04	1.634E+00
424	1	35968.23	-60.35	62.70	2	-1.304E+00	-5.950E-01	7.898E-01	-5.640E+04	-2.121E+03	9.510E+02	-8.365E-02	-1.815E+00	9.962E-01	-2.104E+03	-5.641E+04	1.553E+00
424	2	35977.73	-100.58	62.70	1	-3.598E+00	2.061E+00	-1.701E+00	-3.521E+04	-5.539E+03	-2.917E+03	2.533E+00	-4.070E+00	1.841E+00	-5.254E+03	-3.550E+04	1.668E+00
424	2	35977.73	-100.58	62.70	2	-9.796E-01	-1.718E+00	1.576E+00	-3.680E+04	-5.095E+03	2.605E+03	2.700E-01	-2.968E+00	6.704E-01	-4.882E+03	-3.701E+04	1.489E+00
424	3	35987.23	-60.35	62.70	1	-4.179E+00	1.111E+00	-8.056E-01	-5.534E+04	-8.786E+02	1.883E+03	1.231E+00	-4.299E+00	1.719E+00	-8.136E+02	-5.540E+04	1.536E+00
424	3	35987.23	-60.35	62.70	2	-4.972E-01	-9.576E-01	8.272E-01	-5.630E+04	-5.442E+02	6.224E+03	1.313E-01	-1.586E+00	6.497E-01	1.421E+02	-5.698E+04	1.461E+00
424	4	35977.73	-20.12	62.70	1	-3.795E+00	-2.723E-01	1.361E-01	-7.530E+04	1.363E+03	-1.592E+03	-2.671E-01	-3.800E+00	1.532E+00	1.396E+03	-7.534E+04	1.592E+00
424	4	35977.73	-20.12	62.70	2	-8.211E-01	1.654E-01	4.086E-02	-7.604E+04	8.688E+02	3.036E+03	1.671E-01	-8.228E-01	1.529E+00	9.884E+02	-7.616E+04	1.531E+00
425	1	35776.73	60.35	62.70	1	-4.951E-01	-9.600E-01	8.221E-01	-5.627E+04	-5.530E+02	6.188E+03	1.268E-01	-1.582E+00	6.476E-01	1.260E+02	-5.695E+04	1.462E+00
425	1	35776.73	60.35	62.70	2	-4.043E+00	1.104E+00	-8.111E-01	-5.541E+04	-8.799E+02	1.901E+03	1.229E+00	-4.168E+00	1.723E+00	-8.137E+02	-5.547E+04	1.536E+00
425	2	35786.23	20.12	62.70	1	-8.241E-01	1.633E-01	2.657E-02	-7.601E+04	8.715E+02	3.003E+03	1.640E-01	-8.248E-01	1.544E+00	9.886E+02	-7.613E+04	1.532E+00
425	2	35786.23	20.12	62.70	2	-3.665E+00	-2.713E-01	1.171E-01	-7.535E+04	1.350E+03	-1.564E+03	-2.673E-01	-3.669E+00	1.536E+00	1.382E+03	-7.539E+04	1.591E+00

425	3	35795.73	60.35	62.70	1	-1.311E+00	-5.931E-01	7.848E-01	-5.636E+04	-2.119E+03	9.183E+02	-8.917E-02	-1.815E+00	9.999E-01	-2.104E+03	-5.638E+04	1.554E+00
425	3	35795.73	60.35	62.70	2	-3.092E+00	6.771E-01	-7.649E-01	-5.510E+04	-1.763E+03	-3.373E+03	8.264E-01	-3.241E+00	1.764E+00	-1.550E+03	-5.531E+04	1.634E+00
425	4	35786.23	100.58	62.70	1	-9.823E-01	-1.716E+00	1.580E+00	-3.677E+04	-5.105E+03	2.563E+03	2.731E-01	-2.972E+00	6.713E-01	-4.899E+03	-3.698E+04	1.491E+00
425	4	35786.23	100.58	62.70	2	-3.470E+00	2.053E+00	-1.693E+00	-3.530E+04	-5.529E+03	-2.879E+03	2.531E+00	-3.947E+00	1.846E+00	-5.253E+03	-3.557E+04	1.666E+00
426	1	35814.07	60.35	62.70	1	-1.682E+00	-3.064E+00	4.555E-01	-5.743E+04	-3.487E+03	-8.077E+01	-1.545E+00	-3.201E+00	2.914E-01	-3.487E+03	-5.743E+04	1.572E+00
426	1	35814.07	60.35	62.70	2	-2.721E+00	3.152E+00	-9.322E-01	-5.681E+04	-7.415E+03	-3.732E+03	3.296E+00	-2.865E+00	1.725E+00	-7.135E+03	-5.709E+04	1.646E+00
426	2	35841.23	20.12	62.70	1	-1.496E+00	-1.781E-01	1.135E+00	-8.155E+04	-2.357E+04	3.528E+03	4.755E-01	-2.150E+00	1.048E+00	-2.336E+04	-8.177E+04	1.510E+00
426	2	35841.23	20.12	62.70	2	-2.050E+00	-2.626E-01	-1.203E+00	-7.939E+04	-2.357E+04	1.632E+03	3.420E-01	-2.655E+00	2.037E+00	-2.352E+04	-7.944E+04	1.542E+00
426	3	35868.40	60.35	62.70	1	-3.454E-01	-3.542E+00	1.107E+00	-5.552E+04	-2.813E+04	-1.513E+03	8.029E-04	-3.888E+00	3.030E-01	-2.805E+04	-5.560E+04	1.626E+00
426	3	35868.40	60.35	62.70	2	-2.419E+00	3.044E+00	-1.633E+00	-5.375E+04	-3.074E+04	-2.353E+03	3.495E+00	-2.870E+00	1.840E+00	-3.050E+04	-5.399E+04	1.672E+00
426	4	35841.23	100.58	62.70	1	-5.309E-01	-6.428E+00	4.277E-01	-2.792E+04	-1.864E+04	-1.635E+03	-5.000E-01	-6.459E+00	7.203E-02	-1.836E+04	-2.820E+04	1.740E+00
426	4	35841.23	100.58	62.70	2	-3.089E+00	6.458E+00	-1.363E+00	-2.746E+04	-2.588E+04	-4.404E+03	6.649E+00	-3.280E+00	1.710E+00	-2.219E+04	-3.114E+04	2.267E+00
427	1	35895.57	60.35	62.70	1	-3.466E-01	-3.550E+00	-1.105E+00	-5.552E+04	-2.812E+04	-1.527E+03	-2.088E-03	-3.894E+00	-3.021E-01	-2.803E+04	-5.560E+04	1.626E+00
427	1	35895.57	60.35	62.70	2	-2.420E+00	3.036E+00	1.635E+00	-5.376E+04	-3.077E+04	-2.352E+03	3.488E+00	-2.872E+00	1.301E+00	-3.053E+04	-5.400E+04	1.672E+00
427	2	35922.73	20.12	62.70	1	-1.524E+00	-1.773E-01	-1.148E+00	-8.156E+04	-2.356E+04	1.630E+03	4.799E-01	-2.182E+00	2.091E+00	-2.352E+04	-8.161E+04	1.543E+00
427	2	35922.73	20.12	62.70	2	-2.079E+00	-2.618E-01	1.190E+00	-7.938E+04	-2.356E+04	3.533E+03	3.271E-01	-2.668E+00	1.111E+00	-2.334E+04	-7.960E+04	1.508E+00
427	3	35949.90	60.35	62.70	1	-1.737E+00	-3.053E+00	-4.537E-01	-5.741E+04	-3.440E+03	6.748E+01	-1.596E+00	-3.194E+00	-3.020E-01	-3.440E+03	-5.741E+04	1.570E+00
427	3	35949.90	60.35	62.70	2	-2.776E+00	3.163E+00	9.340E-01	-5.678E+04	-7.445E+03	3.756E+03	3.307E+00	-2.920E+00	1.418E+00	-7.161E+03	-5.707E+04	1.495E+00
427	4	35922.73	100.58	62.70	1	-5.593E-01	-6.425E+00	-4.115E-01	-2.789E+04	-1.858E+04	1.625E+03	-5.305E-01	-6.454E+00	-6.970E-02	-1.830E+04	-2.817E+04	1.403E+00
427	4	35922.73	100.58	62.70	2	-3.117E+00	6.461E+00	1.379E+00	-2.745E+04	-2.595E+04	4.379E+03	6.656E+00	-3.312E+00	1.431E+00	-2.226E+04	-3.114E+04	8.706E-01
428	1	35968.23	60.35	62.70	1	-1.368E+00	-5.938E-01	-7.901E-01	-5.636E+04	-2.121E+03	-9.516E+02	-1.011E-01	-1.861E+00	2.128E+00	-2.104E+03	-5.638E+04	1.588E+00
428	1	35968.23	60.35	62.70	2	-3.149E+00	6.764E-01	7.596E-01	-5.507E+04	-1.762E+03	3.394E+03	8.216E-01	-3.295E+00	1.382E+00	-1.547E+03	-5.528E+04	1.507E+00
428	2	35977.73	20.12	62.70	1	-8.872E-01	1.638E-01	-4.316E-02	-7.601E+04	8.692E+02	-1.592E+03	1.656E-01	-8.890E-01	1.612E+00	9.022E+02	-7.604E+04	1.591E+00
428	2	35977.73	20.12	62.70	2	-3.729E+00	-2.707E-01	-1.338E-01	-7.534E+04	1.362E+03	3.036E+03	-2.656E-01	-3.734E+00	1.609E+00	1.482E+03	-7.546E+04	1.531E+00
428	3	35987.23	60.35	62.70	1	-5.641E-01	-9.554E-01	-8.274E-01	-5.626E+04	-5.432E+02	-6.225E+03	9.051E-02	-1.610E+00	-6.693E-01	1.437E+02	-5.695E+04	1.681E+00
428	3	35987.23	60.35	62.70	2	-4.112E+00	1.109E+00	8.058E-01	-5.538E+04	-8.796E+02	-1.882E+03	1.231E+00	-4.234E+00	1.421E+00	-8.147E+02	-5.544E+04	1.605E+00
428	4	35977.73	100.58	62.70	1	-1.045E+00	-1.713E+00	-1.574E+00	-3.676E+04	-5.093E+03	-2.606E+03	2.304E-01	-2.989E+00	-6.809E-01	-4.880E+03	-3.697E+04	1.652E+00
428	4	35977.73	100.58	62.70	2	-3.533E+00	2.056E+00	1.699E+00	-3.525E+04	-5.540E+03	2.919E+03	2.532E+00	-4.009E+00	1.298E+00	-5.256E+03	-3.553E+04	1.474E+00
429	1	35786.23	125.95	62.70	1	-1.598E+00	-1.936E-01	6.777E+00	2.978E+03	-1.472E+04	-5.761E+02	5.917E+00	-7.709E+00	8.370E-01	2.997E+03	-1.474E+04	-3.250E-02
429	1	35786.23	125.95	62.70	2	1.487E+00	-7.239E+00	-7.208E+00	2.785E+03	-1.874E+04	1.218E+03	5.550E+00	-1.130E+01	-5.132E-01	2.853E+03	-1.880E+04	5.637E-02
429	2	35795.73	136.45	62.70	1	2.768E+00	-1.832E+00	7.489E+00	3.604E+03	-7.462E+03	-5.431E+02	8.302E+00	-7.366E+00	6.364E-01	3.631E+03	-7.488E+03	-4.892E-02
429	2	35795.73	136.45	62.70	2	-1.948E+00	-8.466E+00	-8.830E+00	8.132E+03	-4.767E+03	3.616E+03	4.205E+00	-1.462E+01	-6.086E-01	9.076E+03	-5.711E+03	2.555E-01
429	3	35786.23	146.95	62.70	1	6.764E+00	-2.219E+00	6.368E+00	1.175E+03	-1.145E+03	1.870E+02	1.007E+01	-5.520E+00	4.782E-01	1.190E+03	-1.160E+03	7.993E-02
429	3	35786.23	146.95	62.70	2	-6.695E+00	-5.257E+00	-8.657E+00	5.370E+03	5.849E+03	2.811E+03	2.711E+00	-1.466E+01	2.315E+00	8.431E+03	2.788E+03	8.279E-01
429	4	35776.73	136.45	62.70	1	2.398E+00	-5.809E-01	5.656E+00	1.256E+03	-8.946E+03	1.130E+03	6.758E+00	-4.940E+00	6.566E-01	1.380E+03	-9.070E+03	1.090E-01
429	4	35776.73	136.45	62.70	2	-3.259E+00	-4.030E+00	-7.036E+00	2.152E+02	-8.266E+03	3.596E+03	3.402E+00	-1.069E+01	-7.580E-01	1.535E+03	-9.586E+03	3.517E-01
430	1	35841.23	125.95	62.70	1	-6.905E+00	-3.712E+00	5.243E+00	-5.377E+03	-1.506E+04	2.706E+03	1.726E-01	-1.079E+01	9.332E-01	-4.672E+03	-1.577E+04	2.548E-01
430	1	35841.23	125.95	62.70	2	6.726E+00	-1.303E+00	-3.286E+00	-6.971E+03	-1.034E+04	2.916E+03	7.899E+00	-2.476E+00	-3.430E-01	-5.289E+03	-1.202E+04	5.234E-01
430	2	35868.40	136.45	62.70	1	-1.198E+01	9.403E-01	-3.443E-01	-1.008E+04	-1.025E+04	1.194E+03	9.494E-01	-1.199E+01	1.597E+00	-8.968E+03	-1.136E+04	7.496E-01
430	2	35868.40	136.45	62.70	2	1.189E+01	-6.063E-01	2.394E+00	-1.219E+04	-9.858E+03	6.385E+02	1.233E+01	-1.049E+00	1.829E-01	-9.694E+03	-1.235E+04	1.320E+00
430	3	35841.23	146.95	62.70	1	-1.706E+01	6.070E-01	5.242E+00	-3.307E+03	-1.844E+03	1.766E+03	2.045E+00	-1.850E+01	1.303E+00	-6.639E+02	-4.488E+03	9.817E-01
430	3	35841.23	146.95	62.70	2	1.705E+01	-5.694E+00	-3.287E+00	-8.387E+03	-4.526E+03	1.811E+03	1.752E+01	-6.159E+00	-1.407E-01	-3.809E+03	-9.104E+03	1.194E+00
430	4	35814.07	136.45	62.70	1	-1.199E+01	-4.045E+00	1.083E+01	1.394E+03	-9.686E+03	1.127E+03	3.520E+00	-1.955E+01	9.611E-01	1.507E+03	-9.800E+03	1.003E-01

430	4	35814.07	136.45	62.70	2	1.189E+01	-6.390E+00	-8.967E+00	-3.170E+03	-7.866E+03	4.702E+03	1.555E+01	-1.005E+01	-3.879E-01	-2.621E+02	-1.077E+04	5.539E-01
431	1	35922.73	125.95	62.70	1	-6.907E+00	-3.772E+00	-5.252E+00	-5.359E+03	-1.509E+04	-2.713E+03	1.412E-01	-1.082E+01	2.211E+00	-4.654E+03	-1.579E+04	-2.544E-01
431	1	35922.73	125.95	62.70	2	6.724E+00	-1.363E+00	3.277E+00	-6.981E+03	-1.026E+04	-2.891E+03	7.886E+00	-2.524E+00	3.406E-01	-5.296E+03	-1.194E+04	-5.275E-01
431	2	35949.90	136.45	62.70	1	-1.199E+01	-4.162E+00	-1.084E+01	1.467E+03	-9.639E+03	-1.088E+03	3.450E+00	-1.960E+01	2.183E+00	1.573E+03	-9.745E+03	-9.675E-02
431	2	35949.90	136.45	62.70	2	1.188E+01	-6.508E+00	8.956E+00	-3.229E+03	-7.773E+03	-4.719E+03	1.552E+01	-1.015E+01	3.861E-01	-2.636E+02	-1.074E+04	-5.611E-01
431	3	35922.73	146.95	62.70	1	-1.707E+01	5.495E-01	-5.251E+00	-3.259E+03	-1.773E+03	-1.759E+03	1.996E+00	-1.852E+01	1.840E+00	-6.070E+02	-4.425E+03	2.156E+00
431	3	35922.73	146.95	62.70	2	1.705E+01	-5.752E+00	3.279E+00	-8.436E+03	-4.534E+03	-1.768E+03	1.751E+01	-6.214E+00	1.400E-01	-3.852E+03	-9.118E+03	1.939E+00
431	4	35895.57	136.45	62.70	1	-1.199E+01	9.396E-01	3.391E-01	-1.009E+04	-1.024E+04	1.186E+03	9.485E-01	-1.200E+01	1.545E+00	-8.975E+03	-1.135E+04	7.534E-01
431	4	35895.57	136.45	62.70	2	1.189E+01	-6.070E-01	-2.399E+00	-1.219E+04	-9.866E+03	6.099E+02	1.233E+01	-1.052E+00	-1.834E-01	-9.715E+03	-1.234E+04	1.329E+00
432	1	35977.73	125.95	62.70	1	-1.599E+00	-2.848E-01	-6.761E+00	2.992E+03	-1.463E+04	5.968E+02	5.851E+00	-7.735E+00	2.308E+00	3.013E+03	-1.465E+04	3.382E-02
432	1	35977.73	125.95	62.70	2	1.487E+00	-7.331E+00	7.224E+00	2.793E+03	-1.872E+04	-1.225E+03	5.541E+00	-1.138E+01	5.114E-01	2.862E+03	-1.879E+04	-5.672E-02
432	2	35987.23	136.45	62.70	1	2.389E+00	-6.474E-01	-5.633E+00	1.260E+03	-8.902E+03	-1.100E+03	6.705E+00	-4.963E+00	-6.538E-01	1.378E+03	-9.020E+03	-1.066E-01
432	2	35987.23	136.45	62.70	2	-3.268E+00	-4.097E+00	7.059E+00	1.979E+02	-8.207E+03	-3.609E+03	3.389E+00	-1.075E+01	7.561E-01	1.535E+03	-9.544E+03	-3.548E-01
432	3	35977.73	146.95	62.70	1	6.761E+00	-2.310E+00	-6.337E+00	1.133E+03	-1.155E+03	-1.684E+02	1.002E+01	-5.567E+00	-4.748E-01	1.146E+03	-1.167E+03	-7.305E-02
432	3	35977.73	146.95	62.70	2	-6.698E+00	-5.348E+00	8.689E+00	5.420E+03	5.979E+03	-2.838E+03	2.692E+00	-1.474E+01	8.242E-01	8.552E+03	2.848E+03	2.307E+00
432	4	35968.23	136.45	62.70	1	2.773E+00	-1.947E+00	-7.465E+00	3.570E+03	-7.419E+03	5.954E+02	8.242E+00	-7.416E+00	-6.323E-01	3.602E+03	-7.452E+03	5.397E-02
432	4	35968.23	136.45	62.70	2	-1.943E+00	-8.582E+00	8.853E+00	8.193E+03	-4.668E+03	-3.644E+03	4.193E+00	-1.472E+01	6.061E-01	9.153E+03	-5.628E+03	-2.578E-01
433	1	35786.23	157.45	62.70	1	6.641E+00	-3.043E+00	-4.832E+00	2.059E+03	1.565E+03	9.582E+02	8.640E+00	-5.041E+00	-3.922E-01	2.802E+03	8.223E+02	6.591E-01
433	1	35786.23	157.45	62.70	2	-5.584E+00	2.148E+00	2.285E+00	6.008E+03	5.367E+03	3.776E+03	2.773E+00	-6.209E+00	1.304E+00	9.477E+03	1.898E+03	7.431E-01
433	2	35795.73	167.95	62.70	1	-6.500E-01	2.114E+00	-5.001E+00	3.615E+03	1.799E+03	1.172E+03	5.920E+00	-4.456E+00	2.221E+00	4.189E+03	1.224E+03	4.557E-01
433	2	35795.73	167.95	62.70	2	-6.430E-01	-3.622E-01	2.814E+00	6.829E+03	2.272E+03	1.055E+03	2.315E+00	-3.320E+00	8.103E-01	7.062E+03	2.040E+03	2.167E-01
433	3	35786.23	178.45	62.70	1	-5.783E+00	-3.293E-02	-2.447E+00	2.116E+03	9.048E+02	1.139E+03	8.674E-01	-6.683E+00	1.923E+00	2.801E+03	2.201E+02	5.411E-01
433	3	35786.23	178.45	62.70	2	3.462E+00	-4.364E-02	1.361E+00	3.037E+03	3.451E+02	1.979E+03	3.929E+00	-5.098E-01	3.301E-01	4.084E+03	-7.020E+02	4.867E-01
433	4	35776.73	167.95	62.70	1	1.508E+00	-5.189E+00	-2.278E+00	6.346E+01	1.049E+03	9.894E+02	2.209E+00	-5.890E+00	-2.987E-01	1.662E+03	-5.490E+02	1.017E+00
433	4	35776.73	167.95	62.70	2	-1.479E+00	2.467E+00	8.313E-01	1.116E+03	4.278E+03	2.448E+03	2.635E+00	-1.647E+00	1.371E+00	5.611E+03	-2.171E+02	1.072E+00
434	1	35841.23	157.45	62.70	1	-1.697E+01	1.215E+00	-2.212E+00	-2.962E+03	-3.041E+02	8.546E+02	1.480E+00	-1.724E+01	1.690E+00	-5.306E+01	-3.213E+03	1.285E+00
434	1	35841.23	157.45	62.70	2	1.778E+01	-8.532E-01	4.311E+00	-7.918E+03	-1.782E+03	1.649E+03	1.873E+01	-1.802E+00	2.167E-01	-1.367E+03	-8.333E+03	1.324E+00
434	2	35868.40	167.95	62.70	1	-1.538E+01	1.168E+00	-4.571E-01	-1.032E+04	-9.521E+02	-1.344E+02	1.181E+00	-1.539E+01	1.598E+00	-9.502E+02	-1.032E+04	1.585E+00
434	2	35868.40	167.95	62.70	2	1.664E+01	-2.969E+00	3.060E+00	-1.277E+04	-1.811E+03	4.147E+02	1.711E+01	-3.436E+00	1.512E-01	-1.796E+03	-1.279E+04	1.533E+00
434	3	35841.23	178.45	62.70	1	-1.378E+01	-1.420E-01	-2.212E+00	-3.373E+03	-5.874E+02	-3.178E+02	2.079E-01	-1.413E+01	1.728E+00	-5.516E+02	-3.409E+03	1.683E+00
434	3	35841.23	178.45	62.70	2	1.550E+01	1.145E-01	4.312E+00	-7.650E+03	-1.097E+02	7.044E+02	1.663E+01	-1.011E+00	2.554E-01	-4.443E+01	-7.715E+03	1.478E+00
434	4	35814.07	167.95	62.70	1	-1.538E+01	-9.537E-02	-3.967E+00	3.982E+03	-2.449E+02	5.121E+02	8.731E-01	-1.635E+01	1.810E+00	4.043E+03	-3.061E+02	1.189E-01
434	4	35814.07	167.95	62.70	2	1.664E+01	2.231E+00	5.564E+00	-2.796E+03	-7.828E+02	3.962E+02	1.854E+01	3.330E-01	3.287E-01	-7.077E+02	-2.871E+03	1.383E+00
435	1	35922.73	157.45	62.70	1	-1.697E+01	1.218E+00	2.204E+00	-2.923E+03	-2.955E+02	-8.313E+02	1.481E+00	-1.723E+01	1.452E+00	-5.458E+01	-3.163E+03	1.853E+00
435	1	35922.73	157.45	62.70	2	1.778E+01	-8.501E-01	-4.319E+00	-7.971E+03	-1.810E+03	-1.613E+03	1.873E+01	-1.803E+00	-2.171E-01	-1.413E+03	-8.367E+03	1.812E+00
435	2	35949.90	167.95	62.70	1	-1.538E+01	-8.216E-02	3.951E+00	4.059E+03	-2.525E+02	-5.096E+02	8.780E-01	-1.634E+01	1.332E+00	4.119E+03	-3.119E+02	-1.161E-01
435	2	35949.90	167.95	62.70	2	1.664E+01	2.244E+00	-5.579E+00	-2.914E+03	-8.102E+02	-3.645E+02	1.855E+01	3.347E-01	-3.297E-01	-7.489E+02	-2.975E+03	1.738E+00
435	3	35922.73	178.45	62.70	1	-1.379E+01	-1.327E-01	2.204E+00	-3.342E+03	-5.939E+02	3.425E+02	2.142E-01	-1.414E+01	1.415E+00	-5.519E+02	-3.384E+03	1.449E+00
435	3	35922.73	178.45	62.70	2	1.549E+01	1.239E-01	-4.320E+00	-7.704E+03	-1.187E+02	-6.802E+02	1.662E+01	-1.007E+00	-2.561E-01	-5.817E+01	-7.765E+03	1.660E+00
435	4	35895.57	167.95	62.70	1	-1.538E+01	1.167E+00	4.575E-01	-1.032E+04	-9.404E+02	-1.481E+02	1.180E+00	-1.539E+01	1.543E+00	-9.381E+02	-1.033E+04	1.587E+00
435	4	35895.57	167.95	62.70	2	1.664E+01	-2.970E+00	-3.059E+00	-1.276E+04	-1.830E+03	3.758E+02	1.710E+01	-3.437E+00	-1.513E-01	-1.817E+03	-1.277E+04	1.536E+00
436	1	35977.73	157.45	62.70	1	6.649E+00	-3.056E+00	4.861E+00	2.009E+03	1.521E+03	-9.391E+02	8.665E+00	-5.072E+00	3.931E-01	2.736E+03	7.952E+02	-6.583E-01
436	1	35977.73	157.45	62.70	2	-5.576E+00	2.134E+00	-2.256E+00	6.040E+03	5.382E+03	-3.805E+03	2.745E+00	-6.188E+00	1.836E+00	9.530E+03	1.892E+03	-7.422E-01

436	2	35987.23	167.95	62.70	1	1.505E+00	-5.220E+00	2.296E+00	5.591E+01	1.023E+03	-9.743E+02	2.214E+00	-5.929E+00	2.995E-01	1.627E+03	-5.483E+02	2.126E+00
436	2	35987.23	167.95	62.70	2	-1.482E+00	2.435E+00	-8.132E-01	1.130E+03	4.306E+03	-2.451E+03	2.598E+00	-1.644E+00	1.768E+00	5.638E+03	-2.026E+02	2.069E+00
436	3	35977.73	178.45	62.70	1	-5.810E+00	-3.831E-02	2.462E+00	2.099E+03	9.119E+02	-1.132E+03	8.690E-01	-6.717E+00	1.218E+00	2.783E+03	2.274E+02	-5.440E-01
436	3	35977.73	178.45	62.70	2	3.435E+00	-4.905E-02	-1.346E+00	3.010E+03	3.303E+02	-1.974E+03	3.895E+00	-5.083E-01	-3.289E-01	4.056E+03	-7.157E+02	-4.873E-01
436	4	35968.23	167.95	62.70	1	-6.654E-01	2.125E+00	5.027E+00	3.563E+03	1.784E+03	-1.145E+03	5.947E+00	-4.487E+00	9.208E-01	4.124E+03	1.223E+03	-4.552E-01
436	4	35968.23	167.95	62.70	2	-6.588E-01	-3.505E-01	-2.788E+00	6.821E+03	2.245E+03	-1.054E+03	2.288E+00	-3.297E+00	2.329E+00	7.052E+03	2.014E+03	-2.158E-01
437	1	38339.73	-167.95	65.25	1	-1.179E-07	-7.862E-07	1.568E-16	2.530E+03	4.847E+02	1.744E+03	-1.179E-07	-7.862E-07	2.347E-10	3.529E+03	-5.145E+02	5.202E-01
437	1	38339.73	-167.95	65.25	2	-1.159E-07	-7.725E-07	2.401E-16	2.530E+03	4.848E+02	1.744E+03	-1.159E-07	-7.725E-07	3.656E-10	3.530E+03	-5.145E+02	5.202E-01
437	2	38349.23	-178.45	65.25	1	1.707E-16	1.707E-16	3.023E-07	7.136E+02	2.862E+03	1.613E+03	3.023E-07	-3.023E-07	7.854E-01	3.725E+03	-1.500E+02	1.079E+00
437	2	38349.23	-178.45	65.25	2	2.123E-16	2.123E-16	2.971E-07	7.137E+02	2.862E+03	1.613E+03	2.971E-07	-2.971E-07	7.854E-01	3.726E+03	-1.500E+02	1.079E+00
437	3	38358.73	-167.95	65.25	1	1.179E-07	7.862E-07	3.711E-14	2.403E+03	5.711E+03	1.212E+03	7.862E-07	1.179E-07	1.571E+00	6.108E+03	2.006E+03	1.255E+00
437	3	38358.73	-167.95	65.25	2	1.159E-07	7.725E-07	3.662E-14	2.403E+03	5.712E+03	1.212E+03	7.725E-07	1.159E-07	1.571E+00	6.108E+03	2.006E+03	1.255E+00
437	4	38349.23	-157.45	65.25	1	1.313E-15	1.313E-15	-3.023E-07	3.575E+03	4.180E+03	2.146E+03	3.023E-07	-3.023E-07	-7.854E-01	6.045E+03	1.710E+03	8.554E-01
437	4	38349.23	-157.45	65.25	2	1.355E-15	1.355E-15	-2.971E-07	3.575E+03	4.180E+03	2.146E+03	2.971E-07	-2.971E-07	-7.854E-01	6.045E+03	1.710E+03	8.554E-01
438	1	38377.06	-167.95	65.25	1	-4.124E-08	-2.749E-07	3.823E-16	-2.475E+02	9.571E+02	5.916E+02	-4.124E-08	-2.749E-07	1.636E-09	1.199E+03	-4.894E+02	1.183E+00
438	1	38377.06	-167.95	65.25	2	-4.052E-08	-2.701E-07	3.615E-16	-2.474E+02	9.572E+02	5.918E+02	-4.052E-08	-2.701E-07	1.574E-09	1.199E+03	-4.895E+02	1.183E+00
438	2	38404.23	-178.45	65.25	1	2.517E-15	2.517E-15	3.023E-07	-4.045E+02	-5.519E+03	3.852E+02	3.023E-07	-3.023E-07	7.854E-01	-3.756E+02	-5.548E+03	7.475E-02
438	2	38404.23	-178.45	65.25	2	2.434E-15	2.434E-15	2.971E-07	-4.044E+02	-5.520E+03	3.854E+02	2.971E-07	-2.971E-07	7.854E-01	-3.756E+02	-5.548E+03	7.478E-02
438	3	38431.40	-167.95	65.25	1	4.124E-08	2.749E-07	9.096E-15	-1.743E+03	-1.189E+04	-2.200E+02	2.749E-07	4.124E-08	1.571E+00	-1.738E+03	-1.189E+04	-2.168E-02
438	3	38431.40	-167.95	65.25	2	4.052E-08	2.701E-07	8.887E-15	-1.743E+03	-1.189E+04	-2.198E+02	2.701E-07	4.052E-08	1.571E+00	-1.738E+03	-1.189E+04	-2.166E-02
438	4	38404.23	-157.45	65.25	1	2.019E-15	2.019E-15	-3.023E-07	-1.069E+03	-5.410E+03	1.641E+03	3.023E-07	-3.023E-07	-7.854E-01	-5.185E+02	-5.961E+03	3.237E-01
438	4	38404.23	-157.45	65.25	2	2.092E-15	2.092E-15	-2.971E-07	-1.069E+03	-5.410E+03	1.642E+03	2.971E-07	-2.971E-07	-7.854E-01	-5.184E+02	-5.961E+03	3.237E-01
439	1	38458.57	-167.95	65.25	1	-4.124E-08	-2.749E-07	1.416E-15	-1.743E+03	-1.189E+04	-2.200E+02	-4.124E-08	-2.749E-07	6.060E-09	-1.738E+03	-1.189E+04	-2.168E-02
439	1	38458.57	-167.95	65.25	2	-4.052E-08	-2.701E-07	1.427E-15	-1.743E+03	-1.189E+04	-2.198E+02	-4.052E-08	-2.701E-07	6.213E-09	-1.738E+03	-1.189E+04	-2.166E-02
439	2	38485.73	-178.45	65.25	1	1.706E-15	1.706E-15	3.023E-07	-4.044E+02	-5.519E+03	-3.854E+02	3.023E-07	-3.023E-07	7.854E-01	-3.756E+02	-5.548E+03	-7.478E-02
439	2	38485.73	-178.45	65.25	2	1.738E-15	1.738E-15	2.971E-07	-4.045E+02	-5.520E+03	-3.852E+02	2.971E-07	-2.971E-07	7.854E-01	-3.756E+02	-5.548E+03	-7.475E-02
439	3	38512.90	-167.95	65.25	1	4.124E-08	2.749E-07	1.098E-14	-2.474E+02	9.572E+02	-5.918E+02	2.749E-07	4.124E-08	1.571E+00	1.199E+03	-4.894E+02	1.959E+00
439	3	38512.90	-167.95	65.25	2	4.052E-08	2.701E-07	1.093E-14	-2.475E+02	9.571E+02	-5.916E+02	2.701E-07	4.052E-08	1.571E+00	1.199E+03	-4.894E+02	1.959E+00
439	4	38485.73	-157.45	65.25	1	2.113E-16	2.113E-16	-3.023E-07	-1.069E+03	-5.410E+03	-1.641E+03	3.023E-07	-3.023E-07	-7.854E-01	-5.184E+02	-5.961E+03	-3.237E-01
439	4	38485.73	-157.45	65.25	2	2.347E-16	2.347E-16	-2.971E-07	-1.069E+03	-5.410E+03	-1.641E+03	2.971E-07	-2.971E-07	-7.854E-01	-5.185E+02	-5.961E+03	-3.237E-01
440	1	38531.23	-167.95	65.25	1	-1.179E-07	-7.862E-07	7.494E-16	2.403E+03	5.711E+03	-1.212E+03	-1.179E-07	-7.862E-07	1.121E-09	6.108E+03	2.006E+03	1.887E+00
440	1	38531.23	-167.95	65.25	2	-1.159E-07	-7.725E-07	8.327E-16	2.403E+03	5.711E+03	-1.212E+03	-1.159E-07	-7.725E-07	1.268E-09	6.108E+03	2.006E+03	1.887E+00
440	2	38540.73	-178.45	65.25	1	-4.741E-15	-4.741E-15	3.023E-07	7.137E+02	2.862E+03	-1.613E+03	3.023E-07	-3.023E-07	7.854E-01	3.726E+03	-1.500E+02	2.062E+00
440	2	38540.73	-178.45	65.25	2	-4.726E-15	-4.726E-15	2.971E-07	7.136E+02	2.862E+03	-1.613E+03	2.971E-07	-2.971E-07	7.854E-01	3.725E+03	-1.500E+02	2.062E+00
440	3	38550.23	-167.95	65.25	1	1.179E-07	7.862E-07	3.340E-14	2.530E+03	4.847E+02	-1.744E+03	7.862E-07	1.179E-07	1.571E+00	3.530E+03	-5.145E+02	-5.202E-01
440	3	38550.23	-167.95	65.25	2	1.159E-07	7.725E-07	3.278E-14	2.530E+03	4.847E+02	-1.744E+03	7.725E-07	1.159E-07	1.571E+00	3.530E+03	-5.145E+02	-5.202E-01
440	4	38540.73	-157.45	65.25	1	6.850E-17	6.850E-17	-3.023E-07	3.575E+03	4.180E+03	-2.146E+03	3.023E-07	-3.023E-07	-7.854E-01	6.045E+03	1.710E+03	2.286E+00
440	4	38540.73	-157.45	65.25	2	1.563E-16	1.563E-16	-2.971E-07	3.575E+03	4.180E+03	-2.146E+03	2.971E-07	-2.971E-07	-7.854E-01	6.045E+03	1.710E+03	2.286E+00
441	1	38349.23	-146.95	65.25	1	6.425E-16	2.934E-15	-3.023E-07	3.137E+03	8.702E+02	-1.285E+03	3.023E-07	-3.023E-07	-7.854E-01	3.717E+03	2.899E+02	-4.241E-01
441	1	38349.23	-146.95	65.25	2	6.842E-16	2.601E-15	-2.971E-07	3.137E+03	8.704E+02	-1.285E+03	2.971E-07	-2.971E-07	-7.854E-01	3.717E+03	2.900E+02	-4.241E-01
441	2	38358.73	-136.45	65.25	1	7.862E-07	1.179E-07	-3.860E-14	5.557E+03	-7.937E+03	-1.633E+03	7.862E-07	1.179E-07	-5.776E-08	5.752E+03	-8.132E+03	-1.187E-01
441	2	38358.73	-136.45	65.25	2	7.725E-07	1.159E-07	-3.794E-14	5.557E+03	-7.937E+03	-1.633E+03	7.725E-07	1.159E-07	-5.777E-08	5.752E+03	-8.132E+03	-1.187E-01
441	3	38349.23	-125.95	65.25	1	-4.966E-15	-4.966E-15	3.023E-07	2.663E+03	-1.822E+04	-3.881E+02	3.023E-07	-3.023E-07	7.854E-01	2.671E+03	-1.823E+04	-1.857E-02

441	3	38349.23	-125.95	65.25	2	-4.768E-15	-4.768E-15	2.971E-07	2.663E+03	-1.823E+04	-3.883E+02	2.971E-07	-2.971E-07	7.854E-01	2.671E+03	-1.823E+04	-1.858E-02
441	4	38339.73	-136.45	65.25	1	-7.862E-07	-1.179E-07	-8.284E-13	9.167E+02	-9.931E+03	-2.417E+03	-1.179E-07	-7.862E-07	1.571E+00	1.431E+03	-1.045E+04	-2.096E-01
441	4	38339.73	-136.45	65.25	2	-7.725E-07	-1.159E-07	-8.140E-13	9.167E+02	-9.931E+03	-2.418E+03	-1.159E-07	-7.725E-07	1.571E+00	1.431E+03	-1.045E+04	-2.096E-01
442	1	38404.23	-146.95	65.25	1	1.270E-15	-1.966E-15	-3.023E-07	-5.979E+03	-4.253E+03	-2.131E+03	3.023E-07	-3.023E-07	-7.854E-01	-2.817E+03	-7.415E+03	2.164E+00
442	1	38404.23	-146.95	65.25	2	1.311E-15	-1.883E-15	-2.971E-07	-5.980E+03	-4.253E+03	-2.131E+03	2.971E-07	-2.971E-07	-7.854E-01	-2.817E+03	-7.415E+03	2.164E+00
442	2	38431.40	-136.45	65.25	1	2.749E-07	4.124E-08	-9.751E-15	-1.113E+04	-1.067E+04	9.562E+02	2.749E-07	4.124E-08	-4.173E-08	-9.915E+03	-1.188E+04	9.033E-01
442	2	38431.40	-136.45	65.25	2	2.701E-07	4.052E-08	-9.606E-15	-1.113E+04	-1.067E+04	9.560E+02	2.701E-07	4.052E-08	-4.183E-08	-9.915E+03	-1.188E+04	9.034E-01
442	3	38404.23	-125.95	65.25	1	2.710E-15	2.710E-15	3.023E-07	-6.275E+03	-1.372E+04	-2.850E+03	3.023E-07	-3.023E-07	7.854E-01	-5.309E+03	-1.469E+04	-3.267E-01
442	3	38404.23	-125.95	65.25	2	2.554E-15	2.554E-15	2.971E-07	-6.275E+03	-1.372E+04	-2.850E+03	2.971E-07	-2.971E-07	7.854E-01	-5.309E+03	-1.469E+04	-3.267E-01
442	4	38377.06	-136.45	65.25	1	-2.749E-07	-4.124E-08	-6.762E-15	-1.128E+03	-1.060E+04	-2.996E+03	-4.124E-08	-2.749E-07	1.571E+00	-2.597E+02	-1.147E+04	-2.820E-01
442	4	38377.06	-136.45	65.25	2	-2.701E-07	-4.052E-08	-6.637E-15	-1.128E+03	-1.060E+04	-2.997E+03	-4.052E-08	-2.701E-07	1.571E+00	-2.596E+02	-1.147E+04	-2.821E-01
443	1	38485.73	-146.95	65.25	1	1.173E-15	-1.883E-15	-3.023E-07	-5.979E+03	-4.252E+03	2.131E+03	3.023E-07	-3.023E-07	-7.854E-01	-2.817E+03	-7.415E+03	9.779E-01
443	1	38485.73	-146.95	65.25	2	1.209E-15	-1.925E-15	-2.971E-07	-5.980E+03	-4.253E+03	2.131E+03	2.971E-07	-2.971E-07	-7.854E-01	-2.817E+03	-7.415E+03	9.779E-01
443	2	38512.90	-136.45	65.25	1	2.749E-07	4.124E-08	-1.095E-14	-1.128E+03	-1.060E+04	2.997E+03	2.749E-07	4.124E-08	-4.685E-08	-2.595E+02	-1.147E+04	2.821E-01
443	2	38512.90	-136.45	65.25	2	2.701E-07	4.052E-08	-1.073E-14	-1.128E+03	-1.060E+04	2.996E+03	2.701E-07	4.052E-08	-4.673E-08	-2.598E+02	-1.147E+04	2.820E-01
443	3	38485.73	-125.95	65.25	1	-1.197E-15	-1.197E-15	3.023E-07	-6.274E+03	-1.372E+04	2.850E+03	3.023E-07	-3.023E-07	7.854E-01	-5.309E+03	-1.469E+04	3.267E-01
443	3	38485.73	-125.95	65.25	2	-1.264E-15	-1.264E-15	2.971E-07	-6.275E+03	-1.372E+04	2.850E+03	2.971E-07	-2.971E-07	7.854E-01	-5.309E+03	-1.469E+04	3.267E-01
443	4	38458.57	-136.45	65.25	1	-2.749E-07	-4.124E-08	-8.777E-15	-1.113E+04	-1.067E+04	9.562E+02	-4.124E-08	-2.749E-07	1.571E+00	-9.915E+03	-1.188E+04	9.034E-01
443	4	38458.57	-136.45	65.25	2	-2.701E-07	-4.052E-08	-8.683E-15	-1.113E+04	-1.067E+04	9.560E+02	-4.052E-08	-2.701E-07	1.571E+00	-9.915E+03	-1.188E+04	9.034E-01
444	1	38540.73	-146.95	65.25	1	-9.844E-16	-1.158E-14	-3.023E-07	3.137E+03	8.703E+02	1.285E+03	3.023E-07	-3.023E-07	-7.854E-01	3.717E+03	2.900E+02	4.241E-01
444	1	38540.73	-146.95	65.25	2	-8.530E-16	-1.144E-14	-2.971E-07	3.137E+03	8.702E+02	1.285E+03	2.971E-07	-2.971E-07	-7.854E-01	3.717E+03	2.899E+02	4.241E-01
444	2	38550.23	-136.45	65.25	1	7.862E-07	1.179E-07	-3.861E-14	9.167E+02	-9.931E+03	2.418E+03	7.862E-07	1.179E-07	-5.777E-08	1.431E+03	-1.045E+04	2.096E-01
444	2	38550.23	-136.45	65.25	2	7.725E-07	1.159E-07	-3.789E-14	9.167E+02	-9.931E+03	2.417E+03	7.725E-07	1.159E-07	-5.770E-08	1.431E+03	-1.045E+04	2.096E-01
444	3	38540.73	-125.95	65.25	1	-6.896E-15	-6.896E-15	3.023E-07	2.663E+03	-1.823E+04	3.882E+02	3.023E-07	-3.023E-07	7.854E-01	2.671E+03	-1.823E+04	1.858E-02
444	3	38540.73	-125.95	65.25	2	-6.805E-15	-6.805E-15	2.971E-07	2.663E+03	-1.823E+04	3.882E+02	2.971E-07	-2.971E-07	7.854E-01	2.671E+03	-1.823E+04	1.857E-02
444	4	38531.23	-136.45	65.25	1	-7.862E-07	-1.179E-07	-3.867E-14	5.557E+03	-7.937E+03	1.633E+03	-1.179E-07	-7.862E-07	1.571E+00	5.752E+03	-8.132E+03	1.187E-01
444	4	38531.23	-136.45	65.25	2	-7.725E-07	-1.159E-07	-3.791E-14	5.557E+03	-7.937E+03	1.633E+03	-1.159E-07	-7.725E-07	1.571E+00	5.752E+03	-8.132E+03	1.187E-01
445	1	38339.73	-60.35	65.25	1	-5.897E-08	-3.931E-07	5.265E-15	-5.708E+04	-7.472E+02	-4.012E+03	-5.897E-08	-3.931E-07	1.576E-08	-4.628E+02	-5.736E+04	1.642E+00
445	1	38339.73	-60.35	65.25	2	-5.794E-08	-3.863E-07	5.265E-15	-5.708E+04	-7.471E+02	-4.012E+03	-5.794E-08	-3.863E-07	1.604E-08	-4.628E+02	-5.737E+04	1.642E+00
445	2	38349.23	-100.58	65.25	1	2.727E-15	2.727E-15	3.945E-08	-3.731E+04	-5.364E+03	2.016E+02	3.945E-08	-3.945E-08	7.854E-01	-5.363E+03	-3.732E+04	1.564E+00
445	2	38349.23	-100.58	65.25	2	2.672E-15	2.672E-15	3.876E-08	-3.731E+04	-5.364E+03	2.023E+02	3.876E-08	-3.876E-08	7.854E-01	-5.363E+03	-3.732E+04	1.564E+00
445	3	38358.73	-60.35	65.25	1	5.897E-08	3.931E-07	3.873E-14	-5.696E+04	-1.939E+03	1.241E+03	3.931E-07	5.897E-08	1.571E+00	-1.911E+03	-5.698E+04	1.548E+00
445	3	38358.73	-60.35	65.25	2	5.794E-08	3.863E-07	3.789E-14	-5.696E+04	-1.939E+03	1.241E+03	3.863E-07	5.794E-08	1.571E+00	-1.911E+03	-5.698E+04	1.548E+00
445	4	38349.23	-20.12	65.25	1	4.438E-15	4.438E-15	-3.945E-08	-7.687E+04	1.100E+03	7.136E+02	3.945E-08	-3.945E-08	-7.854E-01	1.106E+03	-7.688E+04	1.562E+00
445	4	38349.23	-20.12	65.25	2	4.412E-15	4.412E-15	-3.876E-08	-7.687E+04	1.100E+03	7.143E+02	3.876E-08	-3.876E-08	-7.854E-01	1.106E+03	-7.688E+04	1.562E+00
446	1	38377.06	-60.35	65.25	1	-2.062E-08	-1.375E-07	4.371E-15	-5.835E+04	-5.473E+03	1.917E+03	-2.062E-08	-1.375E-07	3.741E-08	-5.403E+03	-5.842E+04	1.535E+00
446	1	38377.06	-60.35	65.25	2	-2.026E-08	-1.351E-07	4.434E-15	-5.835E+04	-5.472E+03	1.918E+03	-2.026E-08	-1.351E-07	3.862E-08	-5.403E+03	-5.842E+04	1.535E+00
446	2	38404.23	-100.58	65.25	1	1.897E-15	1.897E-15	3.945E-08	-2.889E+04	-2.226E+04	3.011E+03	3.945E-08	-3.945E-08	7.854E-01	-2.110E+04	-3.005E+04	1.202E+00
446	2	38404.23	-100.58	65.25	2	1.834E-15	1.834E-15	3.876E-08	-2.889E+04	-2.226E+04	3.012E+03	3.876E-08	-3.876E-08	7.854E-01	-2.110E+04	-3.005E+04	1.202E+00
446	3	38431.40	-60.35	65.25	1	2.062E-08	1.375E-07	9.472E-15	-5.583E+04	-2.926E+04	-1.955E+03	1.375E-07	2.062E-08	1.571E+00	-2.912E+04	-5.597E+04	1.644E+00
446	3	38431.40	-60.35	65.25	2	2.026E-08	1.351E-07	9.431E-15	-5.583E+04	-2.926E+04	-1.955E+03	1.351E-07	2.026E-08	1.571E+00	-2.912E+04	-5.597E+04	1.644E+00
446	4	38404.23	-20.12	65.25	1	-1.526E-15	-1.526E-15	-3.945E-08	-8.165E+04	-2.354E+04	2.597E+03	3.945E-08	-3.945E-08	-7.854E-01	-2.342E+04	-8.177E+04	1.526E+00
446	4	38404.23	-20.12	65.25	2	-1.573E-15	-1.573E-15	-3.876E-08	-8.165E+04	-2.354E+04	2.598E+03	3.876E-08	-3.876E-08	-7.854E-01	-2.342E+04	-8.177E+04	1.526E+00



447	1	38458.57	-60.35	65.25	1	-2.062E-08	-1.375E-07	7.314E-15	-5.583E+04	-2.926E+04	-1.956E+03	-2.062E-08	-1.375E-07	6.259E-08	-2.912E+04	-5.597E+04	1.644E+00
447	1	38458.57	-60.35	65.25	2	-2.026E-08	-1.351E-07	7.116E-15	-5.583E+04	-2.926E+04	-1.955E+03	-2.026E-08	-1.351E-07	6.198E-08	-2.912E+04	-5.597E+04	1.644E+00
447	2	38485.73	-100.58	65.25	1	-2.938E-15	-2.938E-15	3.945E-08	-2.889E+04	-2.226E+04	-3.012E+03	3.945E-08	-3.945E-08	7.854E-01	-2.109E+04	-3.005E+04	1.940E+00
447	2	38485.73	-100.58	65.25	2	-2.975E-15	-2.975E-15	3.876E-08	-2.889E+04	-2.226E+04	-3.011E+03	3.876E-08	-3.876E-08	7.854E-01	-2.110E+04	-3.005E+04	1.939E+00
447	3	38512.90	-60.35	65.25	1	2.062E-08	1.375E-07	9.999E-15	-5.835E+04	-5.473E+03	-1.918E+03	1.375E-07	2.062E-08	1.571E+00	-5.403E+03	-5.842E+04	1.607E+00
447	3	38512.90	-60.35	65.25	2	2.026E-08	1.351E-07	9.718E-15	-5.835E+04	-5.473E+03	-1.917E+03	1.351E-07	2.026E-08	1.571E+00	-5.403E+03	-5.842E+04	1.607E+00
447	4	38485.73	-20.12	65.25	1	1.850E-15	1.850E-15	-3.945E-08	-8.165E+04	-2.354E+04	-2.598E+03	3.945E-08	-3.945E-08	-7.854E-01	-2.342E+04	-8.177E+04	1.615E+00
447	4	38485.73	-20.12	65.25	2	1.689E-15	1.689E-15	-3.876E-08	-8.165E+04	-2.354E+04	-2.598E+03	3.876E-08	-3.876E-08	-7.854E-01	-2.342E+04	-8.177E+04	1.615E+00
448	1	38531.23	-60.35	65.25	1	-5.897E-08	-3.931E-07	2.226E-15	-5.696E+04	-1.939E+03	-1.241E+03	-5.897E-08	-3.931E-07	6.662E-09	-1.911E+03	-5.698E+04	1.593E+00
448	1	38531.23	-60.35	65.25	2	-5.794E-08	-3.863E-07	2.143E-15	-5.696E+04	-1.939E+03	-1.241E+03	-5.794E-08	-3.863E-07	6.526E-09	-1.911E+03	-5.698E+04	1.593E+00
448	2	38540.73	-100.58	65.25	1	-7.363E-15	-7.363E-15	3.945E-08	-3.731E+04	-5.364E+03	-2.020E+02	3.945E-08	-3.945E-08	7.854E-01	-5.363E+03	-3.732E+04	1.577E+00
448	2	38540.73	-100.58	65.25	2	-7.218E-15	-7.218E-15	3.876E-08	-3.731E+04	-5.364E+03	-2.018E+02	3.876E-08	-3.876E-08	7.854E-01	-5.363E+03	-3.732E+04	1.577E+00
448	3	38550.23	-60.35	65.25	1	5.897E-08	3.931E-07	3.894E-14	-5.708E+04	-7.471E+02	4.012E+03	3.931E-07	5.897E-08	1.571E+00	-4.628E+02	-5.736E+04	1.500E+00
448	3	38550.23	-60.35	65.25	2	5.794E-08	3.863E-07	3.825E-14	-5.708E+04	-7.471E+02	4.012E+03	3.863E-07	5.794E-08	1.571E+00	-4.628E+02	-5.737E+04	1.500E+00
448	4	38540.73	-20.12	65.25	1	-6.689E-15	-6.689E-15	-3.945E-08	-7.687E+04	1.100E+03	-7.141E+02	3.945E-08	-3.945E-08	-7.854E-01	1.106E+03	-7.688E+04	1.580E+00
448	4	38540.73	-20.12	65.25	2	-6.554E-15	-6.554E-15	-3.876E-08	-7.687E+04	1.100E+03	-7.139E+02	3.876E-08	-3.876E-08	-7.854E-01	1.106E+03	-7.688E+04	1.580E+00
449	1	38339.73	60.35	65.25	1	5.897E-08	3.931E-07	-3.486E-15	-5.708E+04	-7.471E+02	4.012E+03	3.931E-07	5.897E-08	1.571E+00	-4.628E+02	-5.737E+04	1.500E+00
449	1	38339.73	60.35	65.25	2	5.794E-08	3.863E-07	-3.403E-15	-5.708E+04	-7.472E+02	4.012E+03	3.863E-07	5.794E-08	1.571E+00	-4.628E+02	-5.736E+04	1.500E+00
449	2	38349.23	20.12	65.25	1	5.562E-15	5.562E-15	-3.945E-08	-7.687E+04	1.100E+03	7.136E+02	3.945E-08	-3.945E-08	-7.854E-01	1.106E+03	-7.688E+04	1.562E+00
449	2	38349.23	20.12	65.25	2	5.518E-15	5.518E-15	-3.876E-08	-7.687E+04	1.100E+03	7.143E+02	3.876E-08	-3.876E-08	-7.854E-01	1.106E+03	-7.688E+04	1.562E+00
449	3	38358.73	60.35	65.25	1	-5.897E-08	-3.931E-07	3.005E-14	-5.696E+04	-1.939E+03	-1.241E+03	-5.897E-08	-3.931E-07	8.993E-08	-1.911E+03	-5.698E+04	1.593E+00
449	3	38358.73	60.35	65.25	2	-5.794E-08	-3.863E-07	2.955E-14	-5.696E+04	-1.939E+03	-1.241E+03	-5.794E-08	-3.863E-07	9.000E-08	-1.911E+03	-5.698E+04	1.593E+00
449	4	38349.23	100.58	65.25	1	1.132E-16	1.132E-16	3.945E-08	-3.731E+04	-5.364E+03	-2.023E+02	3.945E-08	-3.945E-08	7.854E-01	-5.363E+03	-3.732E+04	1.577E+00
449	4	38349.23	100.58	65.25	2	1.808E-16	1.808E-16	3.876E-08	-3.731E+04	-5.364E+03	-2.016E+02	3.876E-08	-3.876E-08	7.854E-01	-5.363E+03	-3.732E+04	1.577E+00
450	1	38377.06	60.35	65.25	1	2.062E-08	1.375E-07	-9.856E-15	-5.835E+04	-5.472E+03	-1.918E+03	1.375E-07	2.062E-08	1.571E+00	-5.403E+03	-5.842E+04	1.607E+00
450	1	38377.06	60.35	65.25	2	2.026E-08	1.351E-07	-9.544E-15	-5.835E+04	-5.473E+03	-1.917E+03	1.351E-07	2.026E-08	1.571E+00	-5.403E+03	-5.842E+04	1.607E+00
450	2	38404.23	20.12	65.25	1	-5.202E-15	-5.202E-15	-3.945E-08	-8.165E+04	-2.354E+04	2.597E+03	3.945E-08	-3.945E-08	-7.854E-01	-2.342E+04	-8.177E+04	1.526E+00
450	2	38404.23	20.12	65.25	2	-4.869E-15	-4.869E-15	-3.876E-08	-8.165E+04	-2.354E+04	2.598E+03	3.876E-08	-3.876E-08	-7.854E-01	-2.342E+04	-8.177E+04	1.526E+00
450	3	38431.40	60.35	65.25	1	-2.062E-08	-1.375E-07	-5.654E-15	-5.583E+04	-2.926E+04	-1.955E+03	-2.062E-08	-1.375E-07	-4.839E-08	-2.912E+04	-5.597E+04	1.644E+00
450	3	38431.40	60.35	65.25	2	-2.026E-08	-1.351E-07	-5.425E-15	-5.583E+04	-2.926E+04	-1.955E+03	-2.026E-08	-1.351E-07	-4.725E-08	-2.912E+04	-5.597E+04	1.644E+00
450	4	38404.23	100.58	65.25	1	-3.175E-15	-3.175E-15	3.945E-08	-2.889E+04	-2.226E+04	-3.012E+03	3.945E-08	-3.945E-08	7.854E-01	-2.110E+04	-3.005E+04	1.940E+00
450	4	38404.23	100.58	65.25	2	-3.019E-15	-3.019E-15	3.876E-08	-2.889E+04	-2.226E+04	-3.011E+03	3.876E-08	-3.876E-08	7.854E-01	-2.110E+04	-3.005E+04	1.939E+00
451	1	38458.57	60.35	65.25	1	2.062E-08	1.375E-07	-1.237E-14	-5.583E+04	-2.926E+04	-1.956E+03	1.375E-07	2.062E-08	1.571E+00	-2.912E+04	-5.597E+04	1.644E+00
451	1	38458.57	60.35	65.25	2	2.026E-08	1.351E-07	-1.217E-14	-5.583E+04	-2.926E+04	-1.955E+03	1.351E-07	2.026E-08	1.571E+00	-2.912E+04	-5.597E+04	1.644E+00
451	2	38485.73	20.12	65.25	1	2.532E-15	2.532E-15	-3.945E-08	-8.165E+04	-2.354E+04	-2.598E+03	3.945E-08	-3.945E-08	-7.854E-01	-2.342E+04	-8.177E+04	1.615E+00
451	2	38485.73	20.12	65.25	2	2.693E-15	2.693E-15	-3.876E-08	-8.165E+04	-2.354E+04	-2.598E+03	3.876E-08	-3.876E-08	-7.854E-01	-2.342E+04	-8.177E+04	1.615E+00
451	3	38512.90	60.35	65.25	1	-2.062E-08	-1.375E-07	-8.594E-15	-5.835E+04	-5.473E+03	1.917E+03	-2.062E-08	-1.375E-07	-7.355E-08	-5.403E+03	-5.842E+04	1.535E+00
451	3	38512.90	60.35	65.25	2	-2.026E-08	-1.351E-07	-8.490E-15	-5.835E+04	-5.473E+03	1.918E+03	-2.026E-08	-1.351E-07	-7.395E-08	-5.403E+03	-5.842E+04	1.535E+00
451	4	38485.73	100.58	65.25	1	2.496E-15	2.496E-15	3.945E-08	-2.889E+04	-2.226E+04	3.011E+03	3.945E-08	-3.945E-08	7.854E-01	-2.110E+04	-3.005E+04	1.202E+00
451	4	38485.73	100.58	65.25	2	2.640E-15	2.640E-15	3.876E-08	-2.889E+04	-2.226E+04	3.012E+03	3.876E-08	-3.876E-08	7.854E-01	-2.109E+04	-3.005E+04	1.202E+00
452	1	38531.23	60.35	65.25	1	5.897E-08	3.931E-07	-4.960E-15	-5.696E+04	-1.939E+03	1.241E+03	3.931E-07	5.897E-08	1.571E+00	-1.911E+03	-5.698E+04	1.548E+00
452	1	38531.23	60.35	65.25	2	5.794E-08	3.863E-07	-4.799E-15	-5.696E+04	-1.939E+03	1.241E+03	3.863E-07	5.794E-08	1.571E+00	-1.911E+03	-5.698E+04	1.548E+00
452	2	38540.73	20.12	65.25	1	-1.216E-15	-1.216E-15	-3.945E-08	-7.687E+04	1.100E+03	-7.141E+02	3.945E-08	-3.945E-08	-7.854E-01	1.106E+03	-7.688E+04	1.580E+00

452	2	38540.73	20.12	65.25	2	-1.079E-15	-1.079E-15	-3.876E-08	-7.687E+04	1.100E+03	-7.139E+02	3.876E-08	-3.876E-08	-7.854E-01	1.106E+03	-7.688E+04	1.580E+00
452	3	38550.23	60.35	65.25	1	-5.897E-08	-3.931E-07	3.400E-14	-5.708E+04	-7.471E+02	-4.012E+03	-5.897E-08	-3.931E-07	1.018E-07	-4.628E+02	-5.737E+04	1.642E+00
452	3	38550.23	60.35	65.25	2	-5.794E-08	-3.863E-07	3.355E-14	-5.708E+04	-7.471E+02	-4.012E+03	-5.794E-08	-3.863E-07	1.022E-07	-4.628E+02	-5.736E+04	1.642E+00
452	4	38540.73	100.58	65.25	1	-1.219E-15	-1.219E-15	3.945E-08	-3.731E+04	-5.364E+03	2.018E+02	3.945E-08	-3.945E-08	7.854E-01	-5.363E+03	-3.732E+04	1.564E+00
452	4	38540.73	100.58	65.25	2	-1.054E-15	-1.054E-15	3.876E-08	-3.731E+04	-5.364E+03	2.020E+02	3.876E-08	-3.876E-08	7.854E-01	-5.363E+03	-3.732E+04	1.564E+00
453	1	38349.23	125.95	65.25	1	-1.080E-14	4.163E-17	3.023E-07	2.663E+03	-1.823E+04	3.883E+02	3.023E-07	-3.023E-07	7.854E-01	2.671E+03	-1.823E+04	1.858E-02
453	1	38349.23	125.95	65.25	2	-1.061E-14	2.082E-16	2.971E-07	2.663E+03	-1.822E+04	3.881E+02	2.971E-07	-2.971E-07	7.854E-01	2.671E+03	-1.823E+04	1.857E-02
453	2	38358.73	136.45	65.25	1	-7.862E-07	-1.179E-07	-4.046E-14	5.557E+03	-7.937E+03	1.633E+03	-1.179E-07	-7.862E-07	1.571E+00	5.752E+03	-8.132E+03	1.187E-01
453	2	38358.73	136.45	65.25	2	-7.725E-07	-1.159E-07	-3.988E-14	5.557E+03	-7.937E+03	1.633E+03	-1.159E-07	-7.725E-07	1.571E+00	5.752E+03	-8.132E+03	1.187E-01
453	3	38349.23	146.95	65.25	1	-1.561E-15	-1.561E-15	-3.023E-07	3.137E+03	8.704E+02	1.285E+03	3.023E-07	-3.023E-07	-7.854E-01	3.717E+03	2.900E+02	4.241E-01
453	3	38349.23	146.95	65.25	2	-1.478E-15	-1.478E-15	-2.971E-07	3.137E+03	8.702E+02	1.285E+03	2.971E-07	-2.971E-07	-7.854E-01	3.717E+03	2.899E+02	4.241E-01
453	4	38339.73	136.45	65.25	1	7.862E-07	1.179E-07	-8.361E-13	9.167E+02	-9.931E+03	2.418E+03	7.862E-07	1.179E-07	-1.251E-06	1.431E+03	-1.045E+04	2.096E-01
453	4	38339.73	136.45	65.25	2	7.725E-07	1.159E-07	-8.215E-13	9.167E+02	-9.931E+03	2.417E+03	7.725E-07	1.159E-07	-1.251E-06	1.431E+03	-1.045E+04	2.096E-01
454	1	38404.23	125.95	65.25	1	-6.029E-15	-1.309E-14	3.023E-07	-6.275E+03	-1.372E+04	2.850E+03	3.023E-07	-3.023E-07	7.854E-01	-5.309E+03	-1.469E+04	3.267E-01
454	1	38404.23	125.95	65.25	2	-6.050E-15	-1.217E-14	2.971E-07	-6.275E+03	-1.372E+04	2.850E+03	2.971E-07	-2.971E-07	7.854E-01	-5.309E+03	-1.469E+04	3.267E-01
454	2	38431.40	136.45	65.25	1	-2.749E-07	-4.124E-08	-2.654E-15	-1.113E+04	-1.067E+04	9.562E+02	-4.124E-08	-2.749E-07	1.571E+00	-9.915E+03	-1.188E+04	9.034E-01
454	2	38431.40	136.45	65.25	2	-2.701E-07	-4.052E-08	-2.466E-15	-1.113E+04	-1.067E+04	9.560E+02	-4.052E-08	-2.701E-07	1.571E+00	-9.915E+03	-1.188E+04	9.034E-01
454	3	38404.23	146.95	65.25	1	-8.391E-15	-8.391E-15	-3.023E-07	-5.980E+03	-4.253E+03	2.131E+03	3.023E-07	-3.023E-07	-7.854E-01	-2.817E+03	-7.415E+03	9.779E-01
454	3	38404.23	146.95	65.25	2	-8.058E-15	-8.058E-15	-2.971E-07	-5.979E+03	-4.253E+03	2.131E+03	2.971E-07	-2.971E-07	-7.854E-01	-2.817E+03	-7.415E+03	9.779E-01
454	4	38377.06	136.45	65.25	1	2.749E-07	4.124E-08	1.966E-15	-1.128E+03	-1.060E+04	2.997E+03	2.749E-07	4.124E-08	8.413E-09	-2.596E+02	-1.147E+04	2.821E-01
454	4	38377.06	136.45	65.25	2	2.701E-07	4.052E-08	1.945E-15	-1.128E+03	-1.060E+04	2.996E+03	2.701E-07	4.052E-08	8.472E-09	-2.597E+02	-1.147E+04	2.820E-01
455	1	38485.73	125.95	65.25	1	8.045E-15	-4.526E-15	3.023E-07	-6.275E+03	-1.372E+04	-2.850E+03	3.023E-07	-3.023E-07	7.854E-01	-5.309E+03	-1.469E+04	-3.267E-01
455	1	38485.73	125.95	65.25	2	7.837E-15	-3.901E-15	2.971E-07	-6.274E+03	-1.372E+04	-2.850E+03	2.971E-07	-2.971E-07	7.854E-01	-5.309E+03	-1.469E+04	-3.267E-01
455	2	38512.90	136.45	65.25	1	-2.749E-07	-4.124E-08	6.698E-15	-1.128E+03	-1.060E+04	-2.996E+03	-4.124E-08	-2.749E-07	1.571E+00	-2.598E+02	-1.147E+04	-2.820E-01
455	2	38512.90	136.45	65.25	2	-2.701E-07	-4.052E-08	6.719E-15	-1.128E+03	-1.060E+04	-2.997E+03	-4.052E-08	-2.701E-07	1.571E+00	-2.595E+02	-1.147E+04	-2.821E-01
455	3	38485.73	146.95	65.25	1	1.422E-15	1.422E-15	-3.023E-07	-5.980E+03	-4.253E+03	-2.131E+03	3.023E-07	-3.023E-07	-7.854E-01	-2.817E+03	-7.415E+03	2.164E+00
455	3	38485.73	146.95	65.25	2	1.622E-15	1.622E-15	-2.971E-07	-5.979E+03	-4.252E+03	-2.131E+03	2.971E-07	-2.971E-07	-7.854E-01	-2.817E+03	-7.415E+03	2.164E+00
455	4	38458.57	136.45	65.25	1	2.749E-07	4.124E-08	8.014E-15	-1.113E+04	-1.067E+04	9.562E+02	2.749E-07	4.124E-08	3.429E-08	-9.915E+03	-1.188E+04	9.033E-01
455	4	38458.57	136.45	65.25	2	2.701E-07	4.052E-08	7.848E-15	-1.113E+04	-1.067E+04	9.560E+02	2.701E-07	4.052E-08	3.418E-08	-9.915E+03	-1.188E+04	9.034E-01
456	1	38540.73	125.95	65.25	1	1.000E-14	3.182E-14	3.023E-07	2.663E+03	-1.823E+04	-3.882E+02	3.023E-07	-3.023E-07	7.854E-01	2.671E+03	-1.823E+04	-1.857E-02
456	1	38540.73	125.95	65.25	2	9.997E-15	3.178E-14	2.971E-07	2.663E+03	-1.823E+04	-3.882E+02	2.971E-07	-2.971E-07	7.854E-01	2.671E+03	-1.823E+04	-1.858E-02
456	2	38550.23	136.45	65.25	1	-7.862E-07	-1.179E-07	-2.736E-14	9.167E+02	-9.931E+03	-2.417E+03	-1.179E-07	-7.862E-07	1.571E+00	1.431E+03	-1.045E+04	-2.096E-01
456	2	38550.23	136.45	65.25	2	-7.725E-07	-1.159E-07	-2.657E-14	9.167E+02	-9.931E+03	-2.418E+03	-1.159E-07	-7.725E-07	1.571E+00	1.431E+03	-1.045E+04	-2.096E-01
456	3	38540.73	146.95	65.25	1	2.350E-14	2.350E-14	-3.023E-07	3.137E+03	8.702E+02	-1.285E+03	3.023E-07	-3.023E-07	-7.854E-01	3.717E+03	2.899E+02	-4.241E-01
456	3	38540.73	146.95	65.25	2	2.348E-14	2.348E-14	-2.971E-07	3.137E+03	8.703E+02	-1.285E+03	2.971E-07	-2.971E-07	-7.854E-01	3.717E+03	2.900E+02	-4.241E-01
456	4	38531.23	136.45	65.25	1	7.862E-07	1.179E-07	-3.084E-14	5.557E+03	-7.937E+03	-1.633E+03	7.862E-07	1.179E-07	-4.615E-08	5.752E+03	-8.132E+03	-1.187E-01
456	4	38531.23	136.45	65.25	2	7.725E-07	1.159E-07	-3.005E-14	5.557E+03	-7.937E+03	-1.633E+03	7.725E-07	1.159E-07	-4.576E-08	5.752E+03	-8.132E+03	-1.187E-01
457	1	38349.23	157.45	65.25	1	7.556E-15	-2.831E-15	3.023E-07	4.180E+03	3.575E+03	2.146E+03	3.023E-07	-3.023E-07	7.854E-01	6.045E+03	1.710E+03	7.154E-01
457	1	38349.23	157.45	65.25	2	7.556E-15	-2.498E-15	2.971E-07	4.180E+03	3.575E+03	2.146E+03	2.971E-07	-2.971E-07	7.854E-01	6.045E+03	1.710E+03	7.154E-01
457	2	38358.73	167.95	65.25	1	-7.862E-07	-1.179E-07	-3.706E-14	5.712E+03	2.403E+03	1.212E+03	-1.179E-07	-7.862E-07	1.571E+00	6.108E+03	2.006E+03	3.162E-01
457	2	38358.73	167.95	65.25	2	-7.725E-07	-1.159E-07	-3.640E-14	5.711E+03	2.403E+03	1.212E+03	-1.159E-07	-7.725E-07	1.571E+00	6.108E+03	2.006E+03	3.162E-01
457	3	38349.23	178.45	65.25	1	-3.623E-15	-3.623E-15	-3.023E-07	2.862E+03	7.137E+02	1.613E+03	3.023E-07	-3.023E-07	-7.854E-01	3.726E+03	-1.500E+02	4.916E-01
457	3	38349.23	178.45	65.25	2	-3.373E-15	-3.373E-15	-2.971E-07	2.862E+03	7.136E+02	1.613E+03	2.971E-07	-2.971E-07	-7.854E-01	3.725E+03	-1.500E+02	4.916E-01

457	4	38339.73	167.95	65.25	1	7.862E-07	1.179E-07	-8.329E-13	4.848E+02	2.530E+03	1.744E+03	7.862E-07	1.179E-07	-1.246E-06	3.530E+03	-5.145E+02	1.051E+00
457	4	38339.73	167.95	65.25	2	7.725E-07	1.159E-07	-8.183E-13	4.847E+02	2.530E+03	1.744E+03	7.725E-07	1.159E-07	-1.246E-06	3.529E+03	-5.145E+02	1.051E+00
458	1	38404.23	157.45	65.25	1	-9.490E-15	-9.510E-15	3.023E-07	-5.410E+03	-1.069E+03	1.642E+03	3.023E-07	-3.023E-07	7.854E-01	-5.184E+02	-5.961E+03	1.247E+00
458	1	38404.23	157.45	65.25	2	-9.344E-15	-9.261E-15	2.971E-07	-5.410E+03	-1.069E+03	1.641E+03	2.971E-07	-2.971E-07	7.854E-01	-5.185E+02	-5.961E+03	1.247E+00
458	2	38431.40	167.95	65.25	1	-2.749E-07	-4.124E-08	-5.253E-15	-1.189E+04	-1.743E+03	2.200E+02	-4.124E-08	-2.749E-07	1.571E+00	-1.738E+03	-1.189E+04	1.549E+00
458	2	38431.40	167.95	65.25	2	-2.701E-07	-4.052E-08	-4.837E-15	-1.189E+04	-1.743E+03	2.198E+02	-4.052E-08	-2.701E-07	1.571E+00	-1.738E+03	-1.189E+04	1.549E+00
458	3	38404.23	178.45	65.25	1	-1.141E-14	-1.141E-14	-3.023E-07	-5.520E+03	-4.044E+02	3.854E+02	3.023E-07	-3.023E-07	-7.854E-01	-3.756E+02	-5.548E+03	1.496E+00
458	3	38404.23	178.45	65.25	2	-1.110E-14	-1.110E-14	-2.971E-07	-5.519E+03	-4.045E+02	3.852E+02	2.971E-07	-2.971E-07	-7.854E-01	-3.756E+02	-5.548E+03	1.496E+00
458	4	38377.06	167.95	65.25	1	2.749E-07	4.124E-08	-2.690E-15	9.572E+02	-2.474E+02	5.918E+02	2.749E-07	4.124E-08	-1.151E-08	1.199E+03	-4.895E+02	3.883E-01
458	4	38377.06	167.95	65.25	2	2.701E-07	4.052E-08	-2.586E-15	9.571E+02	-2.475E+02	5.916E+02	2.701E-07	4.052E-08	-1.126E-08	1.199E+03	-4.894E+02	3.882E-01
459	1	38485.73	157.45	65.25	1	8.129E-15	-2.913E-15	3.023E-07	-5.410E+03	-1.069E+03	-1.641E+03	3.023E-07	-3.023E-07	7.854E-01	-5.185E+02	-5.961E+03	1.895E+00
459	1	38485.73	157.45	65.25	2	8.025E-15	-2.830E-15	2.971E-07	-5.410E+03	-1.069E+03	-1.641E+03	2.971E-07	-2.971E-07	7.854E-01	-5.184E+02	-5.961E+03	1.895E+00
459	2	38512.90	167.95	65.25	1	-2.749E-07	-4.124E-08	-1.430E-14	9.571E+02	-2.475E+02	-5.916E+02	-4.124E-08	-2.749E-07	1.571E+00	1.199E+03	-4.894E+02	-3.883E-01
459	2	38512.90	167.95	65.25	2	-2.701E-07	-4.052E-08	-1.438E-14	9.572E+02	-2.474E+02	-5.918E+02	-4.052E-08	-2.701E-07	1.571E+00	1.199E+03	-4.894E+02	-3.883E-01
459	3	38485.73	178.45	65.25	1	-4.713E-15	-4.713E-15	-3.023E-07	-5.520E+03	-4.045E+02	-3.852E+02	3.023E-07	-3.023E-07	-7.854E-01	-3.756E+02	-5.548E+03	1.646E+00
459	3	38485.73	178.45	65.25	2	-4.658E-15	-4.658E-15	-2.971E-07	-5.519E+03	-4.044E+02	-3.854E+02	2.971E-07	-2.971E-07	-7.854E-01	-3.756E+02	-5.548E+03	1.646E+00
459	4	38458.57	167.95	65.25	1	2.749E-07	4.124E-08	1.038E-14	-1.189E+04	-1.743E+03	2.200E+02	2.749E-07	4.124E-08	4.440E-08	-1.738E+03	-1.189E+04	1.549E+00
459	4	38458.57	167.95	65.25	2	2.701E-07	4.052E-08	1.026E-14	-1.189E+04	-1.743E+03	2.198E+02	2.701E-07	4.052E-08	4.469E-08	-1.738E+03	-1.189E+04	1.549E+00
460	1	38540.73	157.45	65.25	1	1.020E-14	-3.410E-14	3.023E-07	4.180E+03	3.575E+03	-2.146E+03	3.023E-07	-3.023E-07	7.854E-01	6.045E+03	1.710E+03	-7.154E-01
460	1	38540.73	157.45	65.25	2	1.018E-14	-3.412E-14	2.971E-07	4.180E+03	3.575E+03	-2.146E+03	2.971E-07	-2.971E-07	7.854E-01	6.045E+03	1.710E+03	-7.154E-01
460	2	38550.23	167.95	65.25	1	-7.862E-07	-1.179E-07	-7.969E-14	4.847E+02	2.530E+03	-1.744E+03	-1.179E-07	-7.862E-07	1.571E+00	3.530E+03	-5.145E+02	2.091E+00
460	2	38550.23	167.95	65.25	2	-7.725E-07	-1.159E-07	-7.898E-14	4.847E+02	2.530E+03	-1.744E+03	-1.159E-07	-7.725E-07	1.571E+00	3.530E+03	-5.145E+02	2.091E+00
460	3	38540.73	178.45	65.25	1	-2.173E-14	-2.173E-14	-3.023E-07	2.862E+03	7.136E+02	-1.613E+03	3.023E-07	-3.023E-07	-7.854E-01	3.725E+03	-1.500E+02	-4.916E-01
460	3	38540.73	178.45	65.25	2	-2.174E-14	-2.174E-14	-2.971E-07	2.862E+03	7.137E+02	-1.613E+03	2.971E-07	-2.971E-07	-7.854E-01	3.726E+03	-1.500E+02	-4.916E-01
460	4	38531.23	167.95	65.25	1	7.862E-07	1.179E-07	-7.707E-14	5.711E+03	2.403E+03	-1.212E+03	7.862E-07	1.179E-07	-1.153E-07	6.108E+03	2.006E+03	-3.162E-01
460	4	38531.23	167.95	65.25	2	7.725E-07	1.159E-07	-7.635E-14	5.711E+03	2.403E+03	-1.212E+03	7.725E-07	1.159E-07	-1.163E-07	6.108E+03	2.006E+03	-3.162E-01

FILE: gus4c003.bin

Caso di carico: 3 - Rara (1xC1 + 1xC2 + 1xC3 + 1xC5)

Guscio	Nodo	Coord X	Coord Y	Coord Z	Sest.	sx (N/mm2)	sy (N/mm2)	sxy (N/mm2)	mx (kN)	my (kN)	mxy (kN)	s1 (N/mm2)	s2 (N/mm2)	ths (rad)	m1 (kN)	m2 (kN)	thm (rad)
1	1	-137.50	-213.60	0.00	1	-2.381E-43	-1.587E-42	9.340E-43	6.591E+02	-3.257E+02	2.799E+02	2.394E-43	-2.065E-42	0.000E+00	7.331E+02	-3.998E+02	2.585E-01
1	2	-112.50	-254.53	0.00	1	-9.197E-42	3.134E-42	7.551E-58	2.970E+02	-5.484E+02	5.830E+02	3.134E-42	-9.197E-42	1.571E+00	5.944E+02	-8.458E+02	4.717E-01
1	3	-87.50	-213.60	0.00	1	-5.031E-43	-1.760E-42	-1.539E-58	9.804E+02	-1.224E+03	4.554E+02	-5.031E-43	-1.760E-42	0.000E+00	1.071E+03	-1.314E+03	1.959E-01
1	4	-112.50	-172.67	0.00	1	-3.661E-42	5.635E-42	-5.692E-58	1.355E+03	-1.052E+03	1.076E+02	5.635E-42	-3.661E-42	1.571E+00	1.359E+03	-1.057E+03	4.458E-02
2	1	-62.50	-213.60	0.00	1	-4.656E-30	-3.104E-29	3.216E-29	8.076E+02	-2.219E+03	7.012E+02	1.691E-29	-5.261E-29	0.000E+00	9.622E+02	-2.373E+03	2.170E-01
2	2	-37.50	-254.53	0.00	1	-8.644E-29	2.210E-29	6.646E-45	6.783E+02	-2.296E+03	1.237E+03	2.210E-29	-8.644E-29	1.571E+00	1.125E+03	-2.744E+03	3.469E-01
2	3	-12.50	-213.60	0.00	1	3.316E-29	-8.704E-29	-1.472E-44	1.692E+03	-2.540E+03	1.025E+03	3.316E-29	-8.704E-29	0.000E+00	1.927E+03	-2.776E+03	2.255E-01
2	4	-37.50	-172.67	0.00	1	-9.485E-29	6.961E-29	-1.007E-44	2.000E+03	-3.219E+03	-2.689E+02	6.961E-29	-9.485E-29	1.571E+00	2.014E+03	-3.233E+03	-5.134E-02
3	1	13.58	-213.60	0.00	1	-5.314E-17	-3.543E-16	4.684E-16	1.680E+03	-3.171E+03	1.585E+03	2.883E-16	-6.957E-16	0.000E+00	2.152E+03	-3.643E+03	2.894E-01
3	2	40.75	-254.53	0.00	1	-1.084E-15	2.430E-16	8.126E-32	1.858E+02	-1.545E+03	1.540E+03	2.430E-16	-1.084E-15	1.571E+00	1.087E+03	-2.447E+03	5.294E-01
3	3	67.92	-213.60	0.00	1	1.198E-15	-2.473E-15	-4.496E-31	3.266E+03	6.884E+02	1.645E+03	1.198E-15	-2.473E-15	0.000E+00	4.067E+03	-1.123E+02	4.530E-01
3	4	40.75	-172.67	0.00	1	-2.235E-15	1.394E-15	-2.222E-31	4.968E+03	-1.605E+03	-5.976E+02	1.394E-15	-2.235E-15	1.571E+00	5.022E+03	-1.659E+03	-8.993E-02
4	1	86.25	-213.60	0.00	1	-1.401E-15	1.917E-16	-1.340E-15	3.425E+03	9.931E+02	1.228E+03	9.537E-16	-2.163E-15	1.571E+00	3.937E+03	4.810E+02	3.951E-01

4	2	95.75	-254.53	0.00	1	-1.058E-15	2.165E-16	7.802E-32	-8.083E+02	-5.318E+02	3.953E+02	2.165E-16	-1.058E-15	1.571E+00	-2.512E+02	-1.089E+03	9.536E-01
4	3	105.25	-213.60	0.00	1	2.509E-15	-2.982E-15	-6.723E-31	3.553E+03	9.974E+02	-5.830E+02	2.509E-15	-2.982E-15	0.000E+00	3.680E+03	8.707E+02	-2.140E-01
4	4	95.75	-172.67	0.00	1	-5.819E-15	4.978E-15	-6.611E-31	7.812E+03	2.786E+03	-7.994E+00	4.978E-15	-5.819E-15	1.571E+00	7.812E+03	2.786E+03	-1.591E-03
5	1	-137.50	-76.10	0.00	1	2.000E-42	1.333E-41	-6.360E-43	2.589E+02	-1.762E+02	-2.918E+02	1.337E-41	1.964E-42	1.571E+00	4.053E+02	-3.226E+02	-4.651E-01
5	2	-112.50	-126.83	0.00	1	3.572E-42	3.948E-42	2.304E-59	7.973E+02	-1.197E+03	1.037E+02	3.948E-42	3.572E-42	1.571E+00	8.026E+02	-1.202E+03	5.184E-02
5	3	-87.50	-76.10	0.00	1	1.700E-41	-3.347E-43	-2.123E-57	1.200E+02	-1.332E+03	-4.688E+02	1.700E-41	-3.347E-43	0.000E+00	2.582E+02	-1.470E+03	-2.867E-01
5	4	-112.50	-25.37	0.00	1	-7.764E-42	3.224E-41	-2.449E-57	-4.045E+02	-4.554E+02	1.562E+02	3.224E-41	-7.764E-42	1.571E+00	-2.717E+02	-5.882E+02	7.046E-01
6	1	-62.50	-76.10	0.00	1	9.125E-30	6.083E-29	1.533E-29	2.676E+01	-1.666E+03	-7.669E+02	6.504E-29	4.920E-30	1.571E+00	3.225E+02	-1.962E+03	-3.680E-01
6	2	-37.50	-126.83	0.00	1	-5.608E-29	9.889E-29	9.489E-45	1.371E+03	-3.513E+03	-4.122E+02	9.889E-29	-5.608E-29	1.571E+00	1.406E+03	-3.548E+03	-8.360E-02
6	3	-12.50	-76.10	0.00	1	8.248E-29	1.776E-29	-7.925E-45	-1.524E+02	-2.794E+03	-1.144E+03	8.248E-29	1.776E-29	0.000E+00	2.742E+02	-3.220E+03	-3.569E-01
6	4	-37.50	-25.37	0.00	1	-2.694E-30	1.301E-28	-8.130E-45	-1.404E+03	-1.909E+03	4.049E+02	1.301E-28	-2.694E-30	1.571E+00	-1.179E+03	-2.133E+03	5.069E-01
7	1	13.58	-76.10	0.00	1	4.537E-17	3.025E-16	4.684E-16	-9.648E+01	-2.378E+03	-1.658E+03	6.597E-16	-3.118E-16	1.571E+00	7.755E+02	-3.250E+03	-4.841E-01
7	2	40.75	-126.83	0.00	1	-1.497E-15	2.175E-15	2.248E-31	3.395E+03	-2.174E+03	-1.121E+03	2.175E-15	-1.497E-15	1.571E+00	3.613E+03	-2.391E+03	-1.913E-01
7	3	67.92	-76.10	0.00	1	2.100E-15	-1.091E-15	-3.908E-31	-7.662E+01	-3.048E+02	-1.668E+03	2.100E-15	-1.091E-15	0.000E+00	1.481E+03	-1.862E+03	-7.513E-01
7	4	40.75	-25.37	0.00	1	-1.892E-16	8.679E-16	-6.473E-32	-3.405E+03	-1.651E+03	7.583E+02	8.679E-16	-1.892E-16	1.571E+00	-1.369E+03	-3.688E+03	1.214E+00
8	1	86.25	-76.10	0.00	1	1.130E-15	-1.573E-16	-1.340E-15	4.767E+01	1.573E+02	-1.581E+03	1.973E-15	-9.997E-16	0.000E+00	1.684E+03	-1.479E+03	2.339E+00
8	2	95.75	-126.83	0.00	1	-5.075E-15	5.753E-15	6.630E-31	4.909E+03	-6.417E+02	-2.601E+02	5.753E-15	-5.075E-15	1.571E+00	4.921E+03	-6.538E+02	-4.673E-02
8	3	105.25	-76.10	0.00	1	2.930E-15	-2.545E-15	-6.704E-31	-6.412E+01	-5.068E+02	3.814E+02	2.930E-15	-2.545E-15	0.000E+00	1.555E+02	-7.264E+02	5.225E-01
8	4	95.75	-25.37	0.00	1	-1.732E-16	8.519E-16	-6.277E-32	-4.950E+03	8.002E+01	2.167E+02	8.519E-16	-1.732E-16	1.571E+00	8.934E+01	-4.959E+03	1.528E+00
9	1	-137.50	76.10	0.00	1	1.503E-32	2.146E-32	1.065E-32	2.589E+02	-1.762E+02	2.918E+02	2.937E-32	7.123E-33	1.571E+00	4.053E+02	-3.226E+02	4.651E-01
9	2	-112.50	25.37	0.00	1	-9.007E-34	1.333E-32	8.714E-49	-4.045E+02	-4.554E+02	1.562E+02	1.333E-32	-9.007E-34	1.571E+00	-2.717E+02	-5.882E+02	7.046E-01
9	3	-87.50	76.10	0.00	1	2.936E-32	4.801E-34	-3.537E-48	1.200E+02	-1.332E+03	4.688E+02	2.936E-32	4.801E-34	0.000E+00	2.582E+02	-1.470E+03	2.867E-01
9	4	-112.50	126.83	0.00	1	3.158E-33	5.075E-32	-2.914E-48	7.973E+02	-1.197E+03	-1.037E+02	5.075E-32	3.158E-33	1.571E+00	8.026E+02	-1.202E+03	-5.184E-02
10	1	-62.50	76.10	0.00	1	9.125E-30	6.083E-29	-1.533E-29	2.676E+01	-1.666E+03	7.669E+02	6.504E-29	4.920E-30	1.571E+00	3.225E+02	-1.962E+03	3.680E-01
10	2	-37.50	25.37	0.00	1	-2.694E-30	1.301E-28	8.130E-45	-1.404E+03	-1.909E+03	4.049E+02	1.301E-28	-2.694E-30	1.571E+00	-1.179E+03	-2.133E+03	5.069E-01
10	3	-12.50	76.10	0.00	1	8.248E-29	1.776E-29	-7.925E-45	-1.524E+02	-2.794E+03	1.144E+03	8.248E-29	1.776E-29	0.000E+00	2.742E+02	-3.220E+03	3.569E-01
10	4	-37.50	126.83	0.00	1	-5.608E-29	9.889E-29	-9.489E-45	1.371E+03	-3.513E+03	4.122E+02	9.889E-29	-5.608E-29	1.571E+00	1.406E+03	-3.548E+03	8.360E-02
11	1	13.58	76.10	0.00	1	4.537E-17	3.025E-16	-4.684E-16	-9.648E+01	-2.378E+03	1.658E+03	6.597E-16	-3.118E-16	1.571E+00	7.755E+02	-3.250E+03	4.841E-01
11	2	40.75	25.37	0.00	1	-1.892E-16	8.679E-16	6.473E-32	-3.405E+03	-1.651E+03	7.583E+02	8.679E-16	-1.892E-16	1.571E+00	-1.369E+03	-3.688E+03	1.214E+00
11	3	67.92	76.10	0.00	1	2.100E-15	-1.091E-15	-3.908E-31	-7.662E+01	-3.048E+02	1.668E+03	2.100E-15	-1.091E-15	0.000E+00	1.481E+03	-1.862E+03	7.513E-01
11	4	40.75	126.83	0.00	1	-1.497E-15	2.175E-15	-2.248E-31	3.395E+03	-2.174E+03	1.121E+03	2.175E-15	-1.497E-15	1.571E+00	3.613E+03	-2.391E+03	1.913E-01
12	1	86.25	76.10	0.00	1	1.130E-15	-1.573E-16	1.340E-15	4.767E+01	1.573E+02	-1.581E+03	1.973E-15	-9.997E-16	0.000E+00	1.684E+03	-1.479E+03	8.027E-01
12	2	95.75	25.37	0.00	1	-1.732E-16	8.519E-16	6.277E-32	-4.950E+03	8.002E+01	2.167E+02	8.519E-16	-1.732E-16	1.571E+00	8.934E+01	-4.959E+03	1.528E+00
12	3	105.25	76.10	0.00	1	2.930E-15	-2.545E-15	-6.704E-31	-6.412E+01	-5.068E+02	-3.814E+02	2.930E-15	-2.545E-15	0.000E+00	1.555E+02	-7.264E+02	-5.225E-01
12	4	95.75	126.83	0.00	1	-5.075E-15	5.753E-15	-6.630E-31	4.909E+03	-6.417E+02	2.601E+02	5.753E-15	-5.075E-15	1.571E+00	4.921E+03	-6.538E+02	4.673E-02
13	1	-137.50	213.60	0.00	1	-9.888E-33	2.879E-32	-2.274E-33	6.591E+02	-3.257E+02	-2.799E+02	2.892E-32	-1.002E-32	1.571E+00	7.331E+02	-3.998E+02	-2.585E-01
13	2	-112.50	172.67	0.00	1	-6.345E-33	4.377E-32	3.069E-48	1.355E+03	-1.052E+03	-1.076E+02	4.377E-32	-6.345E-33	1.571E+00	1.359E+03	-1.057E+03	-4.458E-02
13	3	-87.50	213.60	0.00	1	2.447E-32	1.666E-33	-2.792E-48	9.804E+02	-1.224E+03	-4.554E+02	2.447E-32	1.666E-33	0.000E+00	1.071E+03	-1.314E+03	-1.959E-01
13	4	-112.50	254.53	0.00	1	-3.587E-33	1.119E-32	-9.049E-49	2.970E+02	-5.484E+02	-5.830E+02	1.119E-32	-3.587E-33	1.571E+00	5.944E+02	-8.458E+02	-4.717E-01
14	1	-62.50	213.60	0.00	1	-4.659E-30	-3.105E-29	-3.216E-29	8.076E+02	-2.219E+03	-7.012E+02	1.691E-29	-5.262E-29	0.000E+00	9.622E+02	-2.373E+03	-2.170E-01
14	2	-37.50	172.67	0.00	1	-9.485E-29	6.961E-29	1.007E-44	2.000E+03	-3.219E+03	2.689E+02	6.961E-29	-9.485E-29	1.571E+00	2.014E+03	-3.233E+03	5.134E-02
14	3	-12.50	213.60	0.00	1	3.315E-29	-8.704E-29	-1.472E-44	1.692E+03	-2.540E+03	-1.025E+03	3.315E-29	-8.704E-29	0.000E+00	1.927E+03	-2.776E+03	-2.255E-01
14	4	-37.50	254.53	0.00	1	-8.645E-29	2.210E-29	-6.646E-45	6.783E+02	-2.296E+03	-1.237E+03	2.210E-29	-8.645E-29	1.571E+00	1.125E+03	-2.744E+03	-3.469E-01

15	1	13.58	213.60	0.00	1	-5.314E-17	-3.543E-16	-4.684E-16	1.680E+03	-3.171E+03	-1.585E+03	2.883E-16	-6.957E-16	0.000E+00	2.152E+03	-3.643E+03	-2.894E-01
15	2	40.75	172.67	0.00	1	-2.235E-15	1.394E-15	2.222E-31	4.968E+03	-1.605E+03	5.976E+02	1.394E-15	-2.235E-15	1.571E+00	5.022E+03	-1.659E+03	8.993E-02
15	3	67.92	213.60	0.00	1	1.198E-15	-2.473E-15	-4.496E-31	3.266E+03	6.884E+02	-1.645E+03	1.198E-15	-2.473E-15	0.000E+00	4.067E+03	-1.123E+02	-4.530E-01
15	4	40.75	254.53	0.00	1	-1.084E-15	2.430E-16	-8.126E-32	1.858E+02	-1.545E+03	-1.540E+03	2.430E-16	-1.084E-15	1.571E+00	1.087E+03	-2.447E+03	-5.294E-01
16	1	86.25	213.60	0.00	1	-1.401E-15	1.917E-16	1.340E-15	3.425E+03	9.931E+02	-1.228E+03	9.537E-16	-2.163E-15	1.571E+00	3.937E+03	4.810E+02	-3.951E-01
16	2	95.75	172.67	0.00	1	-5.819E-15	4.978E-15	6.611E-31	7.812E+03	2.786E+03	7.994E+00	4.978E-15	-5.819E-15	1.571E+00	7.812E+03	2.786E+03	1.591E-03
16	3	105.25	213.60	0.00	1	2.509E-15	-2.982E-15	-6.723E-31	3.553E+03	9.974E+02	5.830E+02	2.509E-15	-2.982E-15	0.000E+00	3.680E+03	8.707E+02	2.140E-01
16	4	95.75	254.53	0.00	1	-1.058E-15	2.165E-16	-7.802E-32	-8.083E+02	-5.318E+02	-3.953E+02	2.165E-16	-1.058E-15	1.571E+00	-2.512E+02	-1.089E+03	2.188E+00
17	1	40902.73	-213.60	40.80	1	-6.052E-17	-4.034E-16	1.314E-15	3.553E+03	9.974E+02	5.829E+02	1.093E-15	-1.557E-15	0.000E+00	3.679E+03	8.707E+02	2.140E-01
17	2	40912.23	-254.53	40.80	1	-1.046E-15	2.211E-16	7.762E-32	-8.083E+02	-5.319E+02	-3.954E+02	2.211E-16	-1.046E-15	1.571E+00	-2.512E+02	-1.089E+03	2.188E+00
17	3	40921.73	-213.60	40.80	1	2.557E-15	-3.744E-15	-7.716E-31	3.425E+03	9.930E+02	-1.228E+03	2.557E-15	-3.744E-15	0.000E+00	3.937E+03	4.809E+02	-3.951E-01
17	4	40912.23	-172.67	40.80	1	-5.783E-15	4.958E-15	-6.577E-31	7.811E+03	2.786E+03	8.039E+00	4.958E-15	-5.783E-15	1.571E+00	7.811E+03	2.786E+03	1.600E-03
18	1	40940.06	-213.60	40.80	1	-1.383E-15	1.323E-16	-4.596E-16	3.266E+03	6.883E+02	-1.645E+03	2.608E-16	-1.512E-15	1.571E+00	4.067E+03	-1.124E+02	-4.530E-01
18	2	40967.23	-254.53	40.80	1	-1.073E-15	2.475E-16	8.084E-32	1.858E+02	-1.545E+03	-1.540E+03	2.475E-16	-1.073E-15	1.571E+00	1.087E+03	-2.447E+03	-5.294E-01
18	3	40994.40	-213.60	40.80	1	7.948E-16	-1.195E-15	-2.436E-31	1.680E+03	-3.171E+03	-1.585E+03	7.948E-16	-1.195E-15	0.000E+00	2.152E+03	-3.643E+03	-2.894E-01
18	4	40967.23	-172.67	40.80	1	-2.218E-15	1.392E-15	-2.210E-31	4.968E+03	-1.605E+03	5.977E+02	1.392E-15	-2.218E-15	1.571E+00	5.022E+03	-1.659E+03	8.995E-02
19	1	41020.48	-213.60	40.80	1	-2.465E-24	-1.643E-23	-2.304E-23	1.692E+03	-2.540E+03	-1.025E+03	1.462E-23	-3.352E-23	0.000E+00	1.927E+03	-2.776E+03	-2.256E-01
19	2	41045.48	-254.53	40.80	1	-6.315E-23	2.508E-23	5.402E-39	6.782E+02	-2.296E+03	-1.237E+03	2.508E-23	-6.315E-23	1.571E+00	1.125E+03	-2.743E+03	-3.469E-01
19	3	41070.48	-213.60	40.80	1	1.338E-23	-7.063E-23	-1.029E-38	8.076E+02	-2.219E+03	-7.012E+02	1.338E-23	-7.063E-23	0.000E+00	9.622E+02	-2.373E+03	-2.170E-01
19	4	41045.48	-172.67	40.80	1	-3.374E-23	-4.334E-24	-1.800E-39	2.000E+03	-3.219E+03	2.689E+02	-4.334E-24	-3.374E-23	1.571E+00	2.014E+03	-3.233E+03	5.135E-02
20	1	41095.48	-213.60	40.80	1	-6.375E-23	6.499E-24	2.304E-23	9.804E+02	-1.224E+03	-4.554E+02	1.338E-23	-7.063E-23	1.571E+00	1.071E+03	-1.314E+03	-1.959E-01
20	2	41120.48	-254.53	40.80	1	-6.315E-23	2.508E-23	5.402E-39	2.970E+02	-5.484E+02	-5.830E+02	2.508E-23	-6.315E-23	1.571E+00	5.944E+02	-8.458E+02	-4.717E-01
20	3	41145.48	-213.60	40.80	1	1.462E-23	-3.352E-23	-5.896E-39	6.591E+02	-3.257E+02	-2.800E+02	1.462E-23	-3.352E-23	0.000E+00	7.331E+02	-3.998E+02	-2.585E-01
20	4	41120.48	-172.67	40.80	1	-3.374E-23	-4.334E-24	-1.800E-39	1.355E+03	-1.052E+03	-1.076E+02	-4.334E-24	-3.374E-23	1.571E+00	1.359E+03	-1.057E+03	-4.459E-02
21	1	40902.73	-76.10	40.80	1	4.921E-17	3.281E-16	1.314E-15	-6.386E+01	-5.067E+02	-3.814E+02	1.510E-15	-1.133E-15	1.571E+00	1.557E+02	-7.264E+02	-5.224E-01
21	2	40912.23	-126.83	40.80	1	-5.053E-15	5.719E-15	6.596E-31	4.909E+03	-6.417E+02	2.601E+02	5.719E-15	-5.053E-15	1.571E+00	4.922E+03	-6.539E+02	4.672E-02
21	3	40921.73	-76.10	40.80	1	3.482E-15	-2.527E-15	-7.359E-31	4.791E+01	1.573E+02	1.581E+03	3.482E-15	-2.527E-15	0.000E+00	1.684E+03	-1.479E+03	8.027E-01
21	4	40912.23	-25.37	40.80	1	-1.770E-16	8.429E-16	-6.245E-32	-4.950E+03	8.007E+01	-2.167E+02	8.429E-16	-1.770E-16	1.571E+00	8.939E+01	-4.959E+03	1.614E+00
22	1	40940.06	-76.10	40.80	1	1.114E-15	-1.231E-16	-4.596E-16	-7.636E+01	-3.046E+02	1.668E+03	1.266E-15	-2.752E-16	0.000E+00	1.481E+03	-1.862E+03	7.512E-01
22	2	40967.23	-126.83	40.80	1	-1.494E-15	2.159E-15	2.237E-31	3.396E+03	-2.174E+03	1.121E+03	2.159E-15	-1.494E-15	1.571E+00	3.613E+03	-2.391E+03	1.913E-01
22	3	40994.40	-76.10	40.80	1	1.153E-15	-8.113E-16	-2.405E-31	-9.634E+01	-2.378E+03	1.658E+03	1.153E-15	-8.113E-16	0.000E+00	7.755E+02	-3.250E+03	4.841E-01
22	4	40967.23	-25.37	40.80	1	-1.929E-16	8.588E-16	-6.439E-32	-3.405E+03	-1.651E+03	-7.583E+02	8.588E-16	-1.929E-16	1.571E+00	-1.369E+03	-3.687E+03	1.927E+00
23	1	41020.48	-76.10	40.80	1	5.870E-29	3.965E-29	-1.239E-29	-1.523E+02	-2.793E+03	1.144E+03	6.480E-29	3.355E-29	0.000E+00	2.743E+02	-3.220E+03	3.569E-01
23	2	41045.48	-126.83	40.80	1	-5.609E-29	9.808E-29	9.440E-45	1.371E+03	-3.513E+03	4.121E+02	9.808E-29	-5.609E-29	1.571E+00	1.406E+03	-3.548E+03	8.358E-02
23	3	41070.48	-76.10	40.80	1	9.508E-29	-2.645E-29	-1.488E-44	2.686E+01	-1.666E+03	7.669E+02	9.508E-29	-2.645E-29	0.000E+00	3.225E+02	-1.962E+03	3.680E-01
23	4	41045.48	-25.37	40.80	1	-3.551E-30	1.285E-28	-8.088E-45	-1.404E+03	-1.909E+03	-4.049E+02	1.285E-28	-3.551E-30	1.571E+00	-1.179E+03	-2.133E+03	-5.068E-01
24	1	41120.48	-126.83	40.80	1	-1.739E-32	2.730E-32	4.342E-32	-1.197E+03	7.973E+02	1.037E+02	5.379E-32	-4.388E-32	1.571E+00	8.027E+02	-1.202E+03	1.519E+00
24	2	41145.48	-76.10	40.80	1	-6.370E-33	2.053E-31	1.296E-47	-1.762E+02	2.590E+02	-2.918E+02	2.053E-31	-6.370E-33	1.571E+00	4.054E+02	-3.226E+02	2.036E+00
24	3	41120.48	-25.37	40.80	1	4.036E-31	5.732E-34	-4.935E-47	-4.554E+02	-4.044E+02	1.562E+02	4.036E-31	5.732E-34	0.000E+00	-2.716E+02	-5.881E+02	8.663E-01
24	4	41095.48	-76.10	40.80	1	2.390E-32	1.912E-31	-1.025E-47	-1.332E+03	1.201E+02	-4.688E+02	1.912E-31	2.390E-32	1.571E+00	2.583E+02	-1.470E+03	1.857E+00
25	1	40902.73	76.10	40.80	1	4.921E-17	3.281E-16	-1.314E-15	-6.386E+01	-5.067E+02	3.814E+02	1.510E-15	-1.133E-15	1.571E+00	1.557E+02	-7.264E+02	5.224E-01
25	2	40912.23	25.37	40.80	1	-1.770E-16	8.429E-16	6.245E-32	-4.950E+03	8.007E+01	-2.167E+02	8.429E-16	-1.770E-16	1.571E+00	8.939E+01	-4.959E+03	1.614E+00
25	3	40921.73	76.10	40.80	1	3.482E-15	-2.527E-15	-7.359E-31	4.791E+01	1.573E+02	-1.581E+03	3.482E-15	-2.527E-15	0.000E+00	1.684E+03	-1.479E+03	2.339E+00

25	4	40912.23	126.83	40.80	1	-5.053E-15	5.719E-15	-6.596E-31	4.909E+03	-6.417E+02	-2.601E+02	5.719E-15	-5.053E-15	1.571E+00	4.922E+03	-6.539E+02	-4.672E-02
26	1	40940.06	76.10	40.80	1	1.114E-15	-1.231E-16	4.596E-16	-7.636E+01	-3.046E+02	-1.668E+03	1.266E-15	-2.752E-16	0.000E+00	1.481E+03	-1.862E+03	-7.512E-01
26	2	40967.23	25.37	40.80	1	-1.929E-16	8.588E-16	6.439E-32	-3.405E+03	-1.651E+03	-7.583E+02	8.588E-16	-1.929E-16	1.571E+00	-1.369E+03	-3.687E+03	1.927E+00
26	3	40994.40	76.10	40.80	1	1.153E-15	-8.113E-16	-2.405E-31	-9.634E+01	-2.378E+03	-1.658E+03	1.153E-15	-8.113E-16	0.000E+00	7.755E+02	-3.250E+03	-4.841E-01
26	4	40967.23	126.83	40.80	1	-1.494E-15	2.159E-15	-2.237E-31	3.396E+03	-2.174E+03	-1.121E+03	2.159E-15	-1.494E-15	1.571E+00	3.613E+03	-2.391E+03	-1.913E-01
27	1	41020.48	76.10	40.80	1	5.870E-29	3.965E-29	1.239E-29	-1.523E+02	-2.793E+03	-1.144E+03	6.480E-29	3.355E-29	0.000E+00	2.743E+02	-3.220E+03	-3.569E-01
27	2	41045.48	25.37	40.80	1	-3.551E-30	1.285E-28	8.088E-45	-1.404E+03	-1.909E+03	-4.049E+02	1.285E-28	-3.551E-30	1.571E+00	-1.179E+03	-2.133E+03	-5.068E-01
27	3	41070.48	76.10	40.80	1	9.508E-29	-2.645E-29	-1.488E-44	2.686E+01	-1.666E+03	-7.669E+02	9.508E-29	-2.645E-29	0.000E+00	3.225E+02	-1.962E+03	-3.680E-01
27	4	41045.48	126.83	40.80	1	-5.609E-29	9.808E-29	-9.440E-45	1.371E+03	-3.513E+03	-4.121E+02	9.808E-29	-5.609E-29	1.571E+00	1.406E+03	-3.548E+03	-8.358E-02
28	1	41120.48	25.37	40.80	1	4.072E-31	3.364E-32	-6.720E-32	-4.554E+02	-4.044E+02	1.562E+02	4.190E-31	2.192E-32	0.000E+00	-2.716E+02	-5.881E+02	8.663E-01
28	2	41145.48	76.10	40.80	1	3.645E-32	2.255E-31	1.158E-47	-1.762E+02	2.590E+02	2.918E+02	2.255E-31	3.645E-32	1.571E+00	4.054E+02	-3.226E+02	1.106E+00
28	3	41120.48	126.83	40.80	1	8.433E-32	-1.776E-32	-1.250E-47	-1.197E+03	7.973E+02	-1.037E+02	8.433E-32	-1.776E-32	0.000E+00	8.027E+02	-1.202E+03	1.623E+00
28	4	41095.48	76.10	40.80	1	1.918E-32	2.263E-31	-1.268E-47	-1.332E+03	1.201E+02	4.688E+02	2.263E-31	1.918E-32	1.571E+00	2.583E+02	-1.470E+03	1.284E+00
29	1	40902.73	213.60	40.80	1	-6.052E-17	-4.034E-16	-1.314E-15	3.553E+03	9.974E+02	-5.829E+02	1.093E-15	-1.557E-15	0.000E+00	3.679E+03	8.707E+02	-2.140E-01
29	2	40912.23	172.67	40.80	1	-5.783E-15	4.958E-15	6.577E-31	7.811E+03	2.786E+03	-8.039E+00	4.958E-15	-5.783E-15	1.571E+00	7.811E+03	2.786E+03	-1.600E-03
29	3	40921.73	213.60	40.80	1	2.557E-15	-3.744E-15	-7.716E-31	3.425E+03	9.930E+02	1.228E+03	2.557E-15	-3.744E-15	0.000E+00	3.937E+03	4.809E+02	3.951E-01
29	4	40912.23	254.53	40.80	1	-1.046E-15	2.211E-16	-7.762E-32	-8.083E+02	-5.319E+02	3.954E+02	2.211E-16	-1.046E-15	1.571E+00	-2.512E+02	-1.089E+03	9.535E-01
30	1	40940.06	213.60	40.80	1	-1.383E-15	1.323E-16	4.596E-16	3.266E+03	6.883E+02	1.645E+03	2.608E-16	-1.512E-15	1.571E+00	4.067E+03	-1.124E+02	4.530E-01
30	2	40967.23	172.67	40.80	1	-2.218E-15	1.392E-15	2.210E-31	4.968E+03	-1.605E+03	-5.977E+02	1.392E-15	-2.218E-15	1.571E+00	5.022E+03	-1.659E+03	-8.995E-02
30	3	40994.40	213.60	40.80	1	7.948E-16	-1.195E-15	-2.436E-31	1.680E+03	-3.171E+03	1.585E+03	7.948E-16	-1.195E-15	0.000E+00	2.152E+03	-3.643E+03	2.894E-01
30	4	40967.23	254.53	40.80	1	-1.073E-15	2.475E-16	-8.084E-32	1.858E+02	-1.545E+03	1.540E+03	2.475E-16	-1.073E-15	1.571E+00	1.087E+03	-2.447E+03	5.294E-01
31	1	41020.48	213.60	40.80	1	-3.308E-29	-1.979E-29	2.825E-29	1.692E+03	-2.540E+03	1.025E+03	2.583E-30	-5.545E-29	1.571E+00	1.927E+03	-2.776E+03	2.256E-01
31	2	41045.48	172.67	40.80	1	-9.419E-29	6.943E-29	1.002E-44	2.000E+03	-3.219E+03	-2.689E+02	6.943E-29	-9.419E-29	1.571E+00	2.014E+03	-3.233E+03	-5.135E-02
31	3	41070.48	213.60	40.80	1	5.276E-29	-8.779E-29	-1.721E-44	8.076E+02	-2.219E+03	7.012E+02	5.276E-29	-8.779E-29	0.000E+00	9.622E+02	-2.373E+03	2.170E-01
31	4	41045.48	254.53	40.80	1	-8.556E-29	2.243E-29	-6.612E-45	6.782E+02	-2.296E+03	1.237E+03	2.243E-29	-8.556E-29	1.571E+00	1.125E+03	-2.743E+03	3.469E-01
32	1	41120.48	172.67	40.80	1	-7.168E-35	3.651E-35	9.720E-35	-1.052E+03	1.355E+03	-1.076E+02	9.365E-35	-1.288E-34	1.571E+00	1.359E+03	-1.057E+03	1.615E+00
32	2	41145.48	213.60	40.80	1	-1.822E-34	3.277E-34	3.123E-50	-3.257E+02	6.591E+02	-2.800E+02	3.277E-34	-1.822E-34	1.571E+00	7.331E+02	-3.998E+02	1.829E+00
32	3	41120.48	254.53	40.80	1	4.025E-34	-6.293E-35	-5.699E-50	-5.484E+02	2.970E+02	-5.830E+02	4.025E-34	-6.293E-35	0.000E+00	5.944E+02	-8.458E+02	2.043E+00
32	4	41095.48	213.60	40.80	1	-1.771E-34	3.359E-34	-3.141E-50	-1.224E+03	9.804E+02	-4.554E+02	3.359E-34	-1.771E-34	1.571E+00	1.071E+03	-1.314E+03	1.767E+00
101	1	2457.75	-167.95	29.55	1	-1.059E-14	-6.995E-14	-7.801E-17	1.807E+03	3.463E+02	1.247E+03	-1.059E-14	-6.995E-14	0.000E+00	2.522E+03	-3.688E+02	5.205E-01
101	2	2467.25	-178.45	29.55	1	-2.688E-14	2.674E-14	3.283E-30	5.099E+02	2.045E+03	1.153E+03	2.674E-14	-2.688E-14	1.571E+00	2.663E+03	-1.079E+02	1.079E+00
101	3	2476.75	-167.95	29.55	1	6.983E-14	1.047E-14	-7.269E-30	1.716E+03	4.083E+03	8.664E+02	6.983E-14	1.047E-14	0.000E+00	4.366E+03	1.433E+03	1.255E+00
101	4	2467.25	-157.45	29.55	1	-2.703E-14	2.692E-14	-3.304E-30	2.553E+03	2.988E+03	1.535E+03	2.692E-14	-2.703E-14	1.571E+00	4.321E+03	1.221E+03	8.559E-01
102	1	2495.08	-167.95	29.55	1	-3.734E-15	-2.486E-14	-7.657E-17	-1.808E+02	6.767E+02	4.224E+02	-3.733E-15	-2.486E-14	0.000E+00	8.498E+02	-3.539E+02	1.182E+00
102	2	2522.25	-178.45	29.55	1	-2.694E-14	2.650E-14	3.272E-30	-2.896E+02	-3.956E+03	2.746E+02	2.650E-14	-2.694E-14	1.571E+00	-2.691E+02	-3.977E+03	7.432E-02
102	3	2549.42	-167.95	29.55	1	2.403E-14	3.779E-15	-2.480E-30	-1.248E+03	-8.512E+03	-1.569E+02	2.403E-14	3.779E-15	0.000E+00	-1.245E+03	-8.516E+03	-2.158E-02
102	4	2522.25	-157.45	29.55	1	-2.722E-14	2.687E-14	-3.312E-30	-7.686E+02	-3.879E+03	1.173E+03	2.687E-14	-2.722E-14	1.571E+00	-3.761E+02	-4.272E+03	3.230E-01
103	1	2576.58	-167.95	29.55	1	-3.588E-15	-2.512E-14	1.128E-16	-1.248E+03	-8.512E+03	-1.569E+02	-3.587E-15	-2.512E-14	0.000E+00	-1.245E+03	-8.516E+03	-2.158E-02
103	2	2603.75	-178.45	29.55	1	-2.735E-14	2.671E-14	3.310E-30	-2.896E+02	-3.956E+03	-2.746E+02	2.671E-14	-2.735E-14	1.571E+00	-2.691E+02	-3.977E+03	-7.432E-02
103	3	2630.92	-167.95	29.55	1	2.378E-14	3.627E-15	-2.467E-30	-1.808E+02	6.767E+02	-4.224E+02	2.378E-14	3.627E-15	0.000E+00	8.498E+02	-3.539E+02	1.960E+00
103	4	2603.75	-157.45	29.55	1	-2.707E-14	2.640E-14	-3.274E-30	-7.686E+02	-3.879E+03	-1.173E+03	2.640E-14	-2.707E-14	1.571E+00	-3.761E+02	-4.272E+03	-3.230E-01
104	1	2649.25	-167.95	29.55	1	-1.046E-14	-7.012E-14	9.766E-17	1.716E+03	4.083E+03	-8.664E+02	-1.045E-14	-7.012E-14	0.000E+00	4.366E+03	1.433E+03	1.887E+00
104	2	2658.75	-178.45	29.55	1	-2.705E-14	2.689E-14	3.303E-30	5.099E+02	2.045E+03	-1.153E+03	2.689E-14	-2.705E-14	1.571E+00	2.663E+03	-1.079E+02	2.063E+00



104	3	2668.25	-167.95	29.55	1	6.975E-14	1.031E-14	-7.278E-30	1.807E+03	3.463E+02	-1.247E+03	6.975E-14	1.031E-14	0.000E+00	2.522E+03	-3.688E+02	-5.205E-01
104	4	2658.75	-157.45	29.55	1	-2.690E-14	2.655E-14	-3.272E-30	2.553E+03	2.988E+03	-1.535E+03	2.655E-14	-2.690E-14	1.571E+00	4.321E+03	1.221E+03	2.286E+00
105	1	2467.25	-146.95	29.55	1	-7.657E-17	-2.746E-16	-2.674E-14	2.242E+03	6.155E+02	-9.194E+02	2.656E-14	-2.692E-14	0.000E+00	2.656E+03	2.012E+02	-4.233E-01
105	2	2476.75	-136.45	29.55	1	1.030E-14	6.990E-14	3.650E-30	3.975E+03	-5.683E+03	-1.167E+03	6.990E-14	1.030E-14	1.571E+00	4.114E+03	-5.822E+03	-1.186E-01
105	3	2467.25	-125.95	29.55	1	2.700E-14	-2.719E-14	-6.636E-30	1.910E+03	-1.304E+04	-2.771E+02	2.700E-14	-2.719E-14	0.000E+00	1.915E+03	-1.305E+04	-1.853E-02
105	4	2457.75	-136.45	29.55	1	-6.984E-14	-1.090E-14	-3.609E-30	6.590E+02	-7.110E+03	-1.731E+03	-1.090E-14	-6.984E-14	1.571E+00	1.027E+03	-7.478E+03	-2.096E-01
106	1	2522.25	-146.95	29.55	1	-3.162E-16	1.524E-16	-2.650E-14	-4.286E+03	-3.046E+03	-1.522E+03	2.642E-14	-2.658E-14	1.571E+00	-2.022E+03	-5.310E+03	2.163E+00
106	2	2549.42	-136.45	29.55	1	4.025E-15	2.431E-14	1.242E-30	-7.973E+03	-7.642E+03	-6.831E+02	2.431E-14	4.025E-15	1.571E+00	-7.104E+03	-8.510E+03	2.238E+00
106	3	2522.25	-125.95	29.55	1	2.727E-14	-2.725E-14	-6.677E-30	-4.499E+03	-9.826E+03	-2.038E+03	2.727E-14	-2.725E-14	0.000E+00	-3.809E+03	-1.052E+04	-3.266E-01
106	4	2495.08	-136.45	29.55	1	-2.460E-14	-3.871E-15	-1.270E-30	-8.147E+02	-7.591E+03	-2.141E+03	-3.871E-15	-2.460E-14	1.571E+00	-1.947E+02	-8.210E+03	-2.818E-01
107	1	2603.75	-146.95	29.55	1	-6.947E-16	9.620E-17	-2.707E-14	-4.286E+03	-3.046E+03	1.522E+03	2.677E-14	-2.737E-14	1.571E+00	-2.022E+03	-5.310E+03	9.789E-01
107	2	2630.92	-136.45	29.55	1	3.812E-15	2.350E-14	1.206E-30	-8.147E+02	-7.591E+03	2.141E+03	2.350E-14	3.812E-15	1.571E+00	-1.947E+02	-8.210E+03	2.818E-01
107	3	2603.75	-125.95	29.55	1	2.625E-14	-2.715E-14	-6.540E-30	-4.499E+03	-9.826E+03	2.038E+03	2.625E-14	-2.715E-14	0.000E+00	-3.809E+03	-1.052E+04	3.266E-01
107	4	2576.58	-136.45	29.55	1	-2.541E-14	-3.410E-15	-1.347E-30	-7.973E+03	-7.642E+03	-6.831E+02	-3.410E-15	-2.541E-14	1.571E+00	-7.104E+03	-8.510E+03	2.238E+00
108	1	2658.75	-146.95	29.55	1	-3.771E-16	-4.723E-16	-2.734E-14	2.242E+03	6.155E+02	9.194E+02	2.692E-14	-2.777E-14	0.000E+00	2.656E+03	2.012E+02	4.233E-01
108	2	2668.25	-136.45	29.55	1	9.155E-15	7.003E-14	3.727E-30	6.590E+02	-7.110E+03	1.731E+03	7.003E-14	9.155E-15	1.571E+00	1.027E+03	-7.478E+03	2.096E-01
108	3	2658.75	-125.95	29.55	1	2.568E-14	-2.614E-14	-6.346E-30	1.910E+03	-1.304E+04	2.771E+02	2.568E-14	-2.614E-14	0.000E+00	1.915E+03	-1.305E+04	1.853E-02
108	4	2649.25	-136.45	29.55	1	-7.027E-14	-1.022E-14	-3.677E-30	3.975E+03	-5.683E+03	1.167E+03	-1.022E-14	-7.027E-14	1.571E+00	4.114E+03	-5.822E+03	1.186E-01
109	1	2457.75	-60.35	29.55	1	-5.893E-15	-3.503E-14	7.376E-17	-4.091E+04	-5.331E+02	-2.885E+03	-5.893E-15	-3.503E-14	0.000E+00	-3.280E+02	-4.111E+04	1.642E+00
109	2	2467.25	-100.58	29.55	1	-3.695E-15	2.953E-15	4.071E-31	-2.674E+04	-3.852E+03	1.369E+02	2.953E-15	-3.695E-15	1.571E+00	-3.852E+03	-2.674E+04	1.565E+00
109	3	2476.75	-60.35	29.55	1	3.502E-14	4.268E-15	-3.766E-30	-4.082E+04	-1.395E+03	8.799E+02	3.502E-14	4.268E-15	0.000E+00	-1.375E+03	-4.084E+04	1.548E+00
109	4	2467.25	-20.12	29.55	1	-3.629E-15	2.735E-15	-3.896E-31	-5.510E+04	7.930E+02	5.150E+02	2.735E-15	-3.629E-15	1.571E+00	7.978E+02	-5.510E+04	1.562E+00
110	1	2495.08	-60.35	29.55	1	-2.854E-15	-1.247E-14	-8.677E-16	-4.182E+04	-3.926E+03	1.388E+03	-2.777E-15	-1.255E-14	0.000E+00	-3.876E+03	-4.187E+04	1.534E+00
110	2	2522.25	-100.58	29.55	1	-3.320E-15	3.397E-15	4.113E-31	-2.069E+04	-1.597E+04	2.144E+03	3.397E-15	-3.320E-15	1.571E+00	-1.514E+04	-2.152E+04	1.202E+00
110	3	2549.42	-60.35	29.55	1	1.125E-14	3.065E-15	-1.002E-30	-4.003E+04	-2.100E+04	-1.408E+03	1.125E-14	3.065E-15	0.000E+00	-2.090E+04	-4.013E+04	1.644E+00
110	4	2522.25	-20.12	29.55	1	-5.569E-15	4.486E-15	-6.156E-31	-5.855E+04	-1.690E+04	1.869E+03	4.486E-15	-5.569E-15	1.571E+00	-1.681E+04	-5.863E+04	1.526E+00
111	1	2576.58	-60.35	29.55	1	-1.667E-16	-1.124E-14	1.028E-15	-4.003E+04	-2.100E+04	-1.408E+03	-7.209E-17	-1.133E-14	0.000E+00	-2.090E+04	-4.013E+04	1.644E+00
111	2	2603.75	-100.58	29.55	1	-3.942E-15	3.675E-15	4.664E-31	-2.069E+04	-1.597E+04	-2.144E+03	3.675E-15	-3.942E-15	1.571E+00	-1.514E+04	-2.152E+04	1.939E+00
111	3	2630.92	-60.35	29.55	1	1.412E-14	1.063E-15	-1.599E-30	-4.182E+04	-3.926E+03	-1.388E+03	1.412E-14	1.063E-15	0.000E+00	-3.876E+03	-4.187E+04	1.607E+00
111	4	2603.75	-20.12	29.55	1	-9.901E-16	5.035E-15	-3.689E-31	-5.855E+04	-1.690E+04	1.869E+03	5.035E-15	-9.901E-16	1.571E+00	-1.681E+04	-5.863E+04	1.526E+00
112	1	2649.25	-60.35	29.55	1	-6.209E-15	-3.485E-14	2.424E-17	-4.082E+04	-1.395E+03	-8.799E+02	-6.209E-15	-3.485E-14	0.000E+00	-1.375E+03	-4.084E+04	1.593E+00
112	2	2658.75	-100.58	29.55	1	-3.960E-15	2.985E-15	4.252E-31	-2.674E+04	-3.852E+03	-1.369E+02	2.985E-15	-3.960E-15	1.571E+00	-3.852E+03	-2.674E+04	1.577E+00
112	3	2668.25	-60.35	29.55	1	3.513E-14	4.129E-15	-3.796E-30	-4.091E+04	-5.331E+02	2.885E+03	3.513E-14	4.129E-15	0.000E+00	-3.280E+02	-4.111E+04	1.500E+00
112	4	2658.75	-20.12	29.55	1	-3.877E-15	3.048E-15	-4.240E-31	-5.510E+04	7.930E+02	5.150E+02	3.048E-15	-3.877E-15	1.571E+00	7.978E+02	-5.510E+04	1.562E+00
113	1	2457.75	60.35	29.55	1	2.029E-15	3.508E-14	-6.141E-16	-4.091E+04	-5.331E+02	2.885E+03	3.509E-14	2.018E-15	1.571E+00	-3.280E+02	-4.111E+04	1.500E+00
113	2	2467.25	20.12	29.55	1	-6.910E-15	2.897E-15	6.005E-31	-5.510E+04	7.930E+02	5.150E+02	2.897E-15	-6.910E-15	1.571E+00	7.978E+02	-5.510E+04	1.562E+00
113	3	2476.75	60.35	29.55	1	-8.953E-15	-3.461E-14	-3.142E-30	-4.082E+04	-1.395E+03	-8.799E+02	-8.953E-15	-3.461E-14	0.000E+00	-1.375E+03	-4.084E+04	1.593E+00
113	4	2467.25	100.58	29.55	1	-5.337E-15	2.899E-15	-5.043E-31	-2.674E+04	-3.852E+03	-1.369E+02	2.899E-15	-5.337E-15	1.571E+00	-3.852E+03	-2.674E+04	1.577E+00
114	1	2495.08	60.35	29.55	1	-1.858E-15	1.280E-14	-2.153E-15	-4.182E+04	-3.926E+03	-1.388E+03	1.311E-14	-2.167E-15	1.571E+00	-3.876E+03	-4.187E+04	1.607E+00
114	2	2522.25	20.12	29.55	1	-1.212E-14	3.789E-15	9.742E-31	-5.855E+04	-1.690E+04	1.869E+03	3.789E-15	-1.212E-14	1.571E+00	-1.681E+04	-5.863E+04	1.526E+00
114	3	2549.42	60.35	29.55	1	-6.822E-15	-1.413E-14	-8.954E-31	-4.003E+04	-2.100E+04	1.408E+03	-6.822E-15	-1.413E-14	0.000E+00	-2.090E+04	-4.013E+04	1.497E+00
114	4	2522.25	100.58	29.55	1	-7.824E-15	6.143E-15	-8.552E-31	-2.069E+04	-1.597E+04	-2.144E+03	6.143E-15	-7.824E-15	1.571E+00	-1.514E+04	-2.152E+04	1.939E+00
115	1	2576.58	60.35	29.55	1	-7.098E-15	1.928E-14	-8.648E-15	-4.003E+04	-2.100E+04	1.408E+03	2.186E-14	-9.681E-15	1.571E+00	-2.090E+04	-4.013E+04	1.497E+00

115	2	2603.75	20.12	29.55	1	-4.612E-15	9.620E-15	8.714E-31	-5.855E+04	-1.690E+04	1.869E+03	9.620E-15	-4.612E-15	1.571E+00	-1.681E+04	-5.863E+04	1.526E+00
115	3	2630.92	60.35	29.55	1	1.215E-14	-1.530E-14	-3.362E-30	-4.182E+04	-3.926E+03	1.388E+03	1.215E-14	-1.530E-14	0.000E+00	-3.876E+03	-4.187E+04	1.534E+00
115	4	2603.75	100.58	29.55	1	-8.386E-15	1.241E-14	-1.273E-30	-2.069E+04	-1.597E+04	2.144E+03	1.241E-14	-8.386E-15	1.571E+00	-1.514E+04	-2.152E+04	1.202E+00
116	1	2649.25	60.35	29.55	1	1.548E-14	3.009E-14	2.964E-15	-4.082E+04	-1.395E+03	8.799E+02	3.067E-14	1.490E-14	1.571E+00	-1.375E+03	-4.084E+04	1.548E+00
116	2	2658.75	20.12	29.55	1	-1.352E-15	1.132E-14	7.756E-31	-5.510E+04	7.930E+02	5.150E+02	1.132E-14	-1.352E-15	1.571E+00	7.978E+02	-5.510E+04	1.562E+00
116	3	2668.25	60.35	29.55	1	5.624E-16	-3.796E-14	-4.717E-30	-4.091E+04	-5.331E+02	-2.885E+03	5.624E-16	-3.796E-14	0.000E+00	-3.280E+02	-4.111E+04	1.642E+00
116	4	2658.75	100.58	29.55	1	-1.457E-14	1.279E-14	-1.675E-30	-2.674E+04	-3.852E+03	1.369E+02	1.279E-14	-1.457E-14	1.571E+00	-3.852E+03	-2.674E+04	1.565E+00
117	1	2467.25	125.95	29.55	1	3.571E-16	-7.493E-15	2.513E-14	1.910E+03	-1.304E+04	2.771E+02	2.187E-14	-2.901E-14	0.000E+00	1.915E+03	-1.305E+04	1.853E-02
117	2	2476.75	136.45	29.55	1	-6.920E-14	-1.936E-14	3.052E-30	3.975E+03	-5.683E+03	1.167E+03	-1.936E-14	-6.920E-14	1.571E+00	4.114E+03	-5.822E+03	1.186E-01
117	3	2467.25	146.95	29.55	1	2.631E-14	-3.342E-14	-7.314E-30	2.242E+03	6.155E+02	9.194E+02	2.631E-14	-3.342E-14	0.000E+00	2.656E+03	2.012E+02	4.233E-01
117	4	2457.75	136.45	29.55	1	4.385E-15	6.992E-14	-4.013E-30	6.590E+02	-7.110E+03	1.731E+03	6.992E-14	4.385E-15	1.571E+00	1.027E+03	-7.478E+03	2.096E-01
118	1	2522.25	125.95	29.55	1	5.623E-15	-6.865E-15	2.152E-14	-4.499E+03	-9.826E+03	2.038E+03	2.178E-14	-2.303E-14	0.000E+00	-3.809E+03	-1.052E+04	3.266E-01
118	2	2549.42	136.45	29.55	1	-2.580E-14	-2.162E-15	1.448E-30	-7.973E+03	-7.642E+03	-6.831E+02	-2.162E-15	-2.580E-14	1.571E+00	-7.104E+03	-8.510E+03	2.238E+00
118	3	2522.25	146.95	29.55	1	3.007E-14	-3.479E-14	-7.942E-30	-4.286E+03	-3.046E+03	1.522E+03	3.007E-14	-3.479E-14	0.000E+00	-2.022E+03	-5.310E+03	9.789E-01
118	4	2495.08	136.45	29.55	1	-5.185E-15	2.719E-14	-1.982E-30	-8.147E+02	-7.591E+03	2.141E+03	2.719E-14	-5.185E-15	1.571E+00	-1.947E+02	-8.210E+03	2.818E-01
119	1	2603.75	125.95	29.55	1	5.058E-15	1.537E-14	3.793E-14	-4.499E+03	-9.826E+03	-2.038E+03	4.850E-14	-2.806E-14	1.571E+00	-3.809E+03	-1.052E+04	-3.266E-01
119	2	2630.92	136.45	29.55	1	-2.073E-14	3.052E-14	3.138E-30	-8.147E+02	-7.591E+03	-2.141E+03	3.052E-14	-2.073E-14	1.571E+00	-1.947E+02	-8.210E+03	-2.818E-01
119	3	2603.75	146.95	29.55	1	2.809E-14	-3.624E-15	-3.883E-30	-4.286E+03	-3.046E+03	-1.522E+03	2.809E-14	-3.624E-15	0.000E+00	-2.022E+03	-5.310E+03	2.163E+00
119	4	2576.58	136.45	29.55	1	3.751E-16	3.473E-14	-2.104E-30	-7.973E+03	-7.642E+03	-6.831E+02	3.473E-14	3.751E-16	1.571E+00	-7.104E+03	-8.510E+03	2.238E+00
120	1	2658.75	125.95	29.55	1	1.976E-15	8.211E-14	3.319E-14	1.910E+03	-1.304E+04	-2.771E+02	9.407E-14	-9.984E-15	1.571E+00	1.915E+03	-1.305E+04	-1.853E-02
120	2	2668.25	136.45	29.55	1	-6.584E-14	1.155E-13	1.110E-29	6.590E+02	-7.110E+03	-1.731E+03	1.155E-13	-6.584E-14	1.571E+00	1.027E+03	-7.478E+03	-2.096E-01
120	3	2658.75	146.95	29.55	1	8.603E-14	2.779E-14	-7.132E-30	2.242E+03	6.155E+02	-9.194E+02	8.603E-14	2.779E-14	0.000E+00	2.656E+03	2.012E+02	-4.233E-01
120	4	2649.25	136.45	29.55	1	3.849E-14	1.098E-13	-4.364E-30	3.975E+03	-5.683E+03	-1.167E+03	1.098E-13	3.849E-14	1.571E+00	4.114E+03	-5.822E+03	-1.186E-01
121	1	2467.25	157.45	29.55	1	7.975E-16	-4.816E-15	2.580E-14	2.988E+03	2.553E+03	1.535E+03	2.394E-14	-2.796E-14	0.000E+00	4.321E+03	1.221E+03	7.149E-01
121	2	2476.75	167.95	29.55	1	-7.023E-14	-1.755E-14	3.226E-30	4.083E+03	1.716E+03	8.664E+02	-1.755E-14	-7.023E-14	1.571E+00	4.366E+03	1.433E+03	3.160E-01
121	3	2467.25	178.45	29.55	1	2.642E-14	-3.322E-14	-7.303E-30	2.045E+03	5.099E+02	1.153E+03	2.642E-14	-3.322E-14	0.000E+00	2.663E+03	-1.079E+02	4.918E-01
121	4	2457.75	167.95	29.55	1	8.874E-15	6.808E-14	-3.625E-30	3.463E+02	1.807E+03	1.247E+03	6.808E-14	8.874E-15	1.571E+00	2.522E+03	-3.688E+02	1.050E+00
122	1	2522.25	157.45	29.55	1	-1.152E-15	-9.150E-15	2.188E-14	-3.879E+03	-7.686E+02	1.173E+03	1.709E-14	-2.739E-14	0.000E+00	-3.761E+02	-4.272E+03	1.248E+00
122	2	2549.42	167.95	29.55	1	-3.464E-14	-5.607E-15	1.778E-30	-8.512E+03	-1.248E+03	-1.569E+02	-5.607E-15	-3.464E-14	1.571E+00	-1.245E+03	-8.516E+03	1.592E+00
122	3	2522.25	178.45	29.55	1	2.418E-14	-3.981E-14	-7.836E-30	-3.956E+03	-2.896E+02	2.746E+02	2.418E-14	-3.981E-14	0.000E+00	-2.691E+02	-3.977E+03	1.496E+00
122	4	2495.08	167.95	29.55	1	-4.360E-15	1.867E-14	-1.410E-30	6.767E+02	-1.808E+02	4.224E+02	1.867E-14	-4.360E-15	1.571E+00	8.498E+02	-3.539E+02	3.890E-01
123	1	2603.75	157.45	29.55	1	1.186E-14	1.099E-14	3.317E-14	-3.879E+03	-7.686E+02	-1.173E+03	4.460E-14	-2.175E-14	0.000E+00	-3.761E+02	-4.272E+03	1.894E+00
123	2	2630.92	167.95	29.55	1	-2.616E-14	3.561E-14	3.782E-30	6.767E+02	-1.808E+02	-4.224E+02	3.561E-14	-2.616E-14	1.571E+00	8.498E+02	-3.539E+02	-3.890E-01
123	3	2603.75	178.45	29.55	1	3.484E-14	-1.554E-14	-6.169E-30	-3.956E+03	-2.896E+02	-2.746E+02	3.484E-14	-1.554E-14	0.000E+00	-2.691E+02	-3.977E+03	1.645E+00
123	4	2576.58	167.95	29.55	1	-3.303E-15	3.601E-14	-2.407E-30	-8.512E+03	-1.248E+03	-1.569E+02	3.601E-14	-3.303E-15	1.571E+00	-1.245E+03	-8.516E+03	1.592E+00
124	1	2658.75	157.45	29.55	1	4.988E-14	1.303E-13	4.143E-14	2.988E+03	2.553E+03	-1.535E+03	1.479E-13	3.236E-14	1.571E+00	4.321E+03	1.221E+03	-7.149E-01
124	2	2668.25	167.95	29.55	1	-1.109E-13	2.486E-13	2.201E-29	3.463E+02	1.807E+03	-1.247E+03	2.486E-13	-1.109E-13	1.571E+00	2.522E+03	-3.688E+02	2.091E+00
124	3	2658.75	178.45	29.55	1	1.724E-13	-7.331E-14	-3.009E-29	2.045E+03	5.099E+02	-1.153E+03	1.724E-13	-7.331E-14	0.000E+00	2.663E+03	-1.079E+02	-4.918E-01
124	4	2649.25	167.95	29.55	1	1.177E-15	1.403E-13	-8.520E-30	4.083E+03	1.716E+03	-8.664E+02	1.403E-13	1.177E-15	1.571E+00	4.366E+03	1.433E+03	-3.160E-01
125	1	5020.75	-167.95	32.10	1	-9.756E-01	1.041E-02	-5.184E-01	1.903E+03	4.215E+02	1.229E+03	2.328E-01	-1.198E+00	1.976E+00	2.597E+03	-2.728E+02	5.142E-01
125	2	5030.25	-178.45	32.10	1	-2.744E-02	-8.315E-01	-3.892E-01	4.464E+02	1.841E+03	1.115E+03	1.301E-01	-9.890E-01	-3.846E-01	2.459E+03	-1.713E+02	1.065E+00
125	3	5039.75	-167.95	32.10	1	6.276E-01	-4.633E-01	-7.836E-01	1.453E+03	3.733E+03	7.955E+02	1.037E+00	-8.726E-01	-4.813E-01	3.983E+03	1.203E+03	1.266E+00
125	4	5030.25	-157.45	32.10	1	-3.206E-01	3.786E-01	-9.128E-01	2.475E+03	2.884E+03	1.693E+03	1.006E+00	-9.484E-01	2.173E+00	4.385E+03	9.740E+02	8.455E-01

126	1	5058.08	-167.95	32.10	1	7.652E-01	4.538E-01	5.721E-01	-3.718E+02	4.155E+02	3.238E+02	1.202E+00	1.662E-02	6.526E-01	5.316E+02	-4.878E+02	1.227E+00
126	2	5085.25	-178.45	32.10	1	-9.838E-03	6.174E-01	7.525E-01	-2.495E+02	-3.951E+03	1.370E+02	1.119E+00	-5.114E-01	9.828E-01	-2.444E+02	-3.956E+03	3.694E-02
126	3	5112.41	-167.95	32.10	1	-6.455E-01	4.532E-01	9.326E-01	-9.893E+02	-8.267E+03	9.967E+01	9.862E-01	-1.179E+00	1.052E+00	-9.879E+02	-8.269E+03	1.369E-02
126	4	5085.25	-157.45	32.10	1	1.295E-01	2.896E-01	7.522E-01	-7.501E+02	-3.900E+03	8.933E+02	9.660E-01	-5.469E-01	8.384E-01	-5.144E+02	-4.136E+03	2.579E-01
127	1	5139.58	-167.95	32.10	1	-6.461E-01	4.491E-01	-9.323E-01	-9.916E+02	-8.266E+03	8.086E+01	9.827E-01	-1.180E+00	2.091E+00	-9.907E+02	-8.267E+03	1.111E-02
127	2	5166.75	-178.45	32.10	1	-3.150E-03	6.080E-01	-7.580E-01	-2.551E+02	-3.959E+03	-1.194E+02	1.120E+00	-5.148E-01	2.165E+00	-2.512E+02	-3.963E+03	-3.220E-02
127	3	5193.91	-167.95	32.10	1	7.747E-01	4.498E-01	-5.834E-01	-3.843E+02	4.011E+02	-3.116E+02	1.218E+00	6.631E-03	-6.496E-01	5.097E+02	-4.929E+02	1.906E+00
127	4	5166.75	-157.45	32.10	1	1.317E-01	2.908E-01	-7.577E-01	-7.570E+02	-3.905E+03	-8.722E+02	9.732E-01	-5.506E-01	2.304E+00	-5.315E+02	-4.131E+03	-2.530E-01
128	1	5212.25	-167.95	32.10	1	6.360E-01	-4.745E-01	8.021E-01	1.438E+03	3.711E+03	-7.856E+02	1.056E+00	-8.948E-01	4.826E-01	3.956E+03	1.193E+03	1.873E+00
128	2	5221.75	-178.45	32.10	1	-3.130E-02	-8.508E-01	3.999E-01	4.436E+02	1.825E+03	-1.111E+03	1.315E-01	-1.014E+00	3.866E-01	2.442E+03	-1.735E+02	2.078E+00
128	3	5231.25	-167.95	32.10	1	-9.979E-01	8.286E-03	5.313E-01	1.903E+03	4.238E+02	-1.225E+03	2.369E-01	-1.226E+00	1.164E+00	2.594E+03	-2.673E+02	-5.137E-01
128	4	5221.75	-157.45	32.10	1	-3.305E-01	3.845E-01	9.335E-01	2.465E+03	2.878E+03	-1.696E+03	1.027E+00	-9.726E-01	9.683E-01	4.380E+03	9.621E+02	2.296E+00
129	1	5030.25	-146.95	32.10	1	2.479E-02	-2.679E+00	8.203E-01	2.339E+03	1.677E+03	-1.073E+03	2.542E-01	-2.908E+00	2.727E-01	3.131E+03	8.858E+02	-6.358E-01
129	2	5039.75	-136.45	32.10	1	2.937E-01	-3.690E+00	4.804E-01	4.198E+03	-4.377E+03	-1.098E+03	3.508E-01	-3.747E+00	1.183E-01	4.337E+03	-4.515E+03	-1.253E-01
129	3	5030.25	-125.95	32.10	1	-3.963E-02	-2.663E+00	1.547E-01	2.066E+03	-1.197E+04	-2.290E+02	-3.055E-02	-2.672E+00	5.868E-02	2.070E+03	-1.197E+04	-1.631E-02
129	4	5020.75	-136.45	32.10	1	-3.085E-01	-1.652E+00	4.945E-01	5.294E+02	-6.161E+03	-1.693E+03	-1.461E-01	-1.815E+00	3.173E-01	9.333E+02	-6.565E+03	-2.342E-01
130	1	5085.25	-146.95	32.10	1	-3.217E-03	-1.823E+00	-7.008E-01	-4.192E+03	-2.281E+03	-1.277E+03	2.354E-01	-2.061E+00	-3.282E-01	-1.641E+03	-4.831E+03	2.035E+00
130	2	5112.41	-136.45	32.10	1	-3.274E-02	1.197E-01	-7.346E-01	-7.978E+03	-7.202E+03	-6.547E+02	7.820E-01	-6.950E-01	2.305E+00	-6.829E+03	-8.351E+03	2.089E+00
130	3	5085.25	-125.95	32.10	1	-6.405E-02	-1.797E+00	-7.015E-01	-4.428E+03	-9.097E+03	-2.010E+03	1.843E-01	-2.045E+00	-3.403E-01	-3.682E+03	-9.843E+03	-3.554E-01
130	4	5058.08	-136.45	32.10	1	-3.453E-02	-3.739E+00	-6.676E-01	-6.429E+02	-6.283E+03	-2.083E+03	8.211E-02	-3.856E+00	-1.730E-01	4.269E+01	-6.969E+03	-3.180E-01
131	1	5166.75	-146.95	32.10	1	-8.527E-03	-1.864E+00	7.067E-01	-4.192E+03	-2.258E+03	1.259E+03	2.299E-01	-2.103E+00	3.255E-01	-1.638E+03	-4.812E+03	1.113E+00
131	2	5193.91	-136.45	32.10	1	-3.789E-02	-3.823E+00	6.757E-01	-6.378E+02	-6.233E+03	2.075E+03	7.912E-02	-3.940E+00	1.715E-01	4.761E+01	-6.919E+03	3.191E-01
131	3	5166.75	-125.95	32.10	1	-6.541E-02	-1.840E+00	7.074E-01	-4.425E+03	-9.075E+03	2.003E+03	1.820E-01	-2.087E+00	3.365E-01	-3.681E+03	-9.819E+03	3.556E-01
131	4	5139.58	-136.45	32.10	1	-3.605E-02	1.192E-01	7.383E-01	-7.980E+03	-7.201E+03	-6.413E+02	7.839E-01	-7.008E-01	8.378E-01	-6.840E+03	-8.341E+03	2.083E+00
132	1	5221.75	-146.95	32.10	1	2.250E-02	-2.744E+00	-8.429E-01	2.343E+03	1.720E+03	1.076E+03	2.591E-01	-2.981E+00	-2.736E-01	3.151E+03	9.117E+02	6.447E-01
132	2	5231.25	-136.45	32.10	1	-3.151E-01	-1.700E+00	-5.112E-01	5.247E+02	-6.124E+03	1.687E+03	-1.469E-01	-1.868E+00	-3.180E-01	9.281E+02	-6.527E+03	2.348E-01
132	3	5221.75	-125.95	32.10	1	-4.023E-02	-2.729E+00	-1.658E-01	2.074E+03	-1.193E+04	2.241E+02	-3.004E-02	-2.739E+00	-6.137E-02	2.078E+03	-1.193E+04	1.600E-02
132	4	5212.25	-136.45	32.10	1	2.974E-01	-3.773E+00	-4.975E-01	4.208E+03	-4.326E+03	1.089E+03	3.573E-01	-3.833E+00	-1.199E-01	4.344E+03	-4.463E+03	1.250E-01
133	1	5020.75	-60.35	32.10	1	-1.626E+00	5.179E-02	-3.942E-03	-4.002E+04	-5.111E+02	-2.908E+03	5.180E-02	-1.626E+00	1.573E+00	-2.982E+02	-4.023E+04	1.644E+00
133	2	5030.25	-100.58	32.10	1	-1.595E+00	1.206E-01	4.044E-02	-2.582E+04	-3.819E+03	1.055E+02	1.215E-01	-1.596E+00	1.547E+00	-3.819E+03	-2.582E+04	1.566E+00
133	3	5039.75	-60.35	32.10	1	-1.578E+00	3.009E-02	-7.107E-03	-3.995E+04	-1.396E+03	8.700E+02	3.012E-02	-1.578E+00	1.575E+00	-1.377E+03	-3.997E+04	1.548E+00
133	4	5030.25	-20.12	32.10	1	-1.609E+00	-3.871E-02	-5.149E-02	-5.425E+04	8.010E+02	5.190E+02	-3.702E-02	-1.610E+00	1.604E+00	8.058E+02	-5.425E+04	1.561E+00
134	1	5058.08	-60.35	32.10	1	-1.578E+00	3.146E-02	1.708E-01	-4.094E+04	-3.911E+03	1.380E+03	4.939E-02	-1.596E+00	1.466E+00	-3.860E+03	-4.099E+04	1.534E+00
134	2	5085.25	-100.58	32.10	1	-1.297E+00	1.093E-02	3.351E-01	-1.983E+04	-1.597E+04	2.149E+03	9.177E-02	-1.378E+00	1.334E+00	-1.501E+04	-2.079E+04	1.152E+00
134	3	5112.41	-60.35	32.10	1	-9.904E-01	-1.785E-01	1.884E-01	-3.918E+04	-2.113E+04	1.392E+03	-1.368E-01	-1.032E+00	1.354E+00	-2.102E+04	-3.928E+04	1.494E+00
134	4	5085.25	-20.12	32.10	1	-1.271E+00	-1.579E-01	2.420E-02	-5.770E+04	-1.692E+04	1.857E+03	-1.574E-01	-1.271E+00	1.549E+00	-1.684E+04	-5.779E+04	1.525E+00
135	1	5139.58	-60.35	32.10	1	-9.913E-01	-1.841E-01	-1.899E-01	-3.918E+04	-2.114E+04	1.397E+03	-1.417E-01	-1.034E+00	1.791E+00	-2.103E+04	-3.928E+04	1.494E+00
135	2	5166.75	-100.58	32.10	1	-1.317E+00	1.296E-02	-3.467E-01	-1.982E+04	-1.597E+04	-2.137E+03	9.789E-02	-1.402E+00	1.811E+00	-1.502E+04	-2.077E+04	1.989E+00
135	3	5193.91	-60.35	32.10	1	-1.617E+00	3.971E-02	-1.721E-01	-4.093E+04	-3.905E+03	-1.383E+03	5.739E-02	-1.635E+00	1.673E+00	-3.853E+03	-4.098E+04	1.608E+00
135	4	5166.75	-20.12	32.10	1	-1.291E+00	-1.574E-01	-1.524E-02	-5.770E+04	-1.692E+04	-1.857E+03	-1.572E-01	-1.291E+00	1.584E+00	-1.683E+04	-5.779E+04	1.616E+00
136	1	5212.25	-60.35	32.10	1	-1.619E+00	2.960E-02	1.096E-02	-3.993E+04	-1.397E+03	-8.657E+02	2.967E-02	-1.619E+00	1.564E+00	-1.377E+03	-3.995E+04	1.593E+00
136	2	5221.75	-100.58	32.10	1	-1.640E+00	1.230E-01	-4.469E-02	-2.580E+04	-3.819E+03	-1.045E+02	1.242E-01	-1.642E+00	1.596E+00	-3.818E+03	-2.580E+04	1.576E+00
136	3	5231.25	-60.35	32.10	1	-1.676E+00	5.512E-02	7.757E-03	-4.001E+04	-5.075E+02	2.914E+03	5.516E-02	-1.676E+00	1.566E+00	-2.936E+02	-4.022E+04	1.498E+00

136	4	5221.75	-20.12	32.10	1	-1.654E+00	-3.832E-02	6.341E-02	-5.424E+04	8.044E+02	-5.206E+02	-3.583E-02	-1.657E+00	1.532E+00	8.094E+02	-5.425E+04	1.580E+00
137	1	5020.75	60.35	32.10	1	-1.626E+00	5.179E-02	3.942E-03	-4.002E+04	-5.111E+02	2.908E+03	5.180E-02	-1.626E+00	1.568E+00	-2.982E+02	-4.023E+04	1.498E+00
137	2	5030.25	20.12	32.10	1	-1.609E+00	-3.871E-02	5.149E-02	-5.425E+04	8.010E+02	5.190E+02	-3.702E-02	-1.610E+00	1.538E+00	8.058E+02	-5.425E+04	1.561E+00
137	3	5039.75	60.35	32.10	1	-1.578E+00	3.009E-02	7.107E-03	-3.995E+04	-1.396E+03	-8.700E+02	3.012E-02	-1.578E+00	1.566E+00	-1.377E+03	-3.997E+04	1.593E+00
137	4	5030.25	100.58	32.10	1	-1.595E+00	1.206E-01	-4.044E-02	-2.582E+04	-3.819E+03	-1.055E+02	1.215E-01	-1.596E+00	1.594E+00	-3.819E+03	-2.582E+04	1.576E+00
138	1	5058.08	60.35	32.10	1	-1.578E+00	3.146E-02	-1.708E-01	-4.094E+04	-3.911E+03	-1.380E+03	4.939E-02	-1.596E+00	1.675E+00	-3.860E+03	-4.099E+04	1.608E+00
138	2	5085.25	20.12	32.10	1	-1.271E+00	-1.579E-01	-2.420E-02	-5.770E+04	-1.692E+04	1.857E+03	-1.574E-01	-1.271E+00	1.593E+00	-1.684E+04	-5.779E+04	1.525E+00
138	3	5112.41	60.35	32.10	1	-9.904E-01	-1.785E-01	-1.884E-01	-3.918E+04	-2.113E+04	-1.392E+03	-1.368E-01	-1.032E+00	1.788E+00	-2.102E+04	-3.928E+04	1.647E+00
138	4	5085.25	100.58	32.10	1	-1.297E+00	1.093E-02	-3.351E-01	-1.983E+04	-1.597E+04	-2.149E+03	9.177E-02	-1.378E+00	1.808E+00	-1.501E+04	-2.079E+04	1.990E+00
139	1	5139.58	60.35	32.10	1	-9.913E-01	-1.841E-01	1.899E-01	-3.918E+04	-2.114E+04	-1.397E+03	-1.417E-01	-1.034E+00	1.351E+00	-2.103E+04	-3.928E+04	1.648E+00
139	2	5166.75	20.12	32.10	1	-1.291E+00	-1.574E-01	1.524E-02	-5.770E+04	-1.692E+04	-1.857E+03	-1.572E-01	-1.291E+00	1.557E+00	-1.683E+04	-5.779E+04	1.616E+00
139	3	5193.91	60.35	32.10	1	-1.617E+00	3.971E-02	1.721E-01	-4.093E+04	-3.905E+03	1.383E+03	5.739E-02	-1.635E+00	1.468E+00	-3.853E+03	-4.098E+04	1.534E+00
139	4	5166.75	100.58	32.10	1	-1.317E+00	1.296E-02	3.467E-01	-1.982E+04	-1.597E+04	2.137E+03	9.789E-02	-1.402E+00	1.331E+00	-1.502E+04	-2.077E+04	1.152E+00
140	1	5212.25	60.35	32.10	1	-1.619E+00	2.960E-02	-1.096E-02	-3.993E+04	-1.397E+03	8.657E+02	2.967E-02	-1.619E+00	1.577E+00	-1.377E+03	-3.995E+04	1.548E+00
140	2	5221.75	20.12	32.10	1	-1.654E+00	-3.832E-02	-6.341E-02	-5.424E+04	8.044E+02	-5.206E+02	-3.583E-02	-1.657E+00	1.610E+00	8.094E+02	-5.425E+04	1.580E+00
140	3	5231.25	60.35	32.10	1	-1.676E+00	5.512E-02	-7.757E-03	-4.001E+04	-5.075E+02	-2.914E+03	5.516E-02	-1.676E+00	1.575E+00	-2.936E+02	-4.022E+04	1.644E+00
140	4	5221.75	100.58	32.10	1	-1.640E+00	1.230E-01	4.469E-02	-2.580E+04	-3.819E+03	1.045E+02	1.242E-01	-1.642E+00	1.545E+00	-3.818E+03	-2.580E+04	1.566E+00
141	1	5030.25	125.95	32.10	1	-3.963E-02	-2.663E+00	-1.547E-01	2.066E+03	-1.197E+04	2.290E+02	-3.055E-02	-2.672E+00	-5.868E-02	2.070E+03	-1.197E+04	1.631E-02
141	2	5039.75	136.45	32.10	1	2.937E-01	-3.690E+00	-4.804E-01	4.198E+03	-4.377E+03	1.098E+03	3.508E-01	-3.747E+00	-1.183E-01	4.337E+03	-4.515E+03	1.253E-01
141	3	5030.25	146.95	32.10	1	2.479E-02	-2.679E+00	-8.203E-01	2.339E+03	1.677E+03	1.073E+03	2.542E-01	-2.908E+00	-2.727E-01	3.131E+03	8.858E+02	6.358E-01
141	4	5020.75	136.45	32.10	1	-3.085E-01	-1.652E+00	-4.945E-01	5.294E+02	-6.161E+03	1.693E+03	-1.461E-01	-1.815E+00	-3.173E-01	9.333E+02	-6.565E+03	2.342E-01
142	1	5085.25	125.95	32.10	1	-6.405E-02	-1.797E+00	7.015E-01	-4.428E+03	-9.097E+03	2.010E+03	1.843E-01	-2.045E+00	3.403E-01	-3.682E+03	-9.843E+03	3.554E-01
142	2	5112.41	136.45	32.10	1	-3.274E-02	1.197E-01	7.346E-01	-7.978E+03	-7.202E+03	6.547E+02	7.820E-01	-6.950E-01	8.371E-01	-6.829E+03	-8.351E+03	1.053E+00
142	3	5085.25	146.95	32.10	1	-3.217E-03	-1.823E+00	7.008E-01	-4.192E+03	-2.281E+03	1.277E+03	2.354E-01	-2.061E+00	3.282E-01	-1.641E+03	-4.831E+03	1.107E+00
142	4	5058.08	136.45	32.10	1	-3.453E-02	-3.739E+00	6.676E-01	-6.429E+02	-6.283E+03	2.083E+03	8.211E-02	-3.856E+00	1.730E-01	4.269E+01	-6.969E+03	3.180E-01
143	1	5166.75	125.95	32.10	1	-6.541E-02	-1.840E+00	-7.074E-01	-4.425E+03	-9.075E+03	-2.003E+03	1.820E-01	-2.087E+00	-3.365E-01	-3.681E+03	-9.819E+03	-3.556E-01
143	2	5193.91	136.45	32.10	1	-3.789E-02	-3.823E+00	-6.757E-01	-6.378E+02	-6.233E+03	-2.075E+03	7.912E-02	-3.940E+00	-1.715E-01	4.761E+01	-6.919E+03	-3.191E-01
143	3	5166.75	146.95	32.10	1	-8.527E-03	-1.864E+00	-7.067E-01	-4.192E+03	-2.258E+03	-1.259E+03	2.299E-01	-2.103E+00	-3.255E-01	-1.638E+03	-4.812E+03	2.029E+00
143	4	5139.58	136.45	32.10	1	-3.605E-02	1.192E-01	-7.383E-01	-7.980E+03	-7.201E+03	6.413E+02	7.839E-01	-7.008E-01	2.304E+00	-6.840E+03	-8.341E+03	1.058E+00
144	1	5221.75	125.95	32.10	1	-4.023E-02	-2.729E+00	1.658E-01	2.074E+03	-1.193E+04	-2.241E+02	-3.004E-02	-2.739E+00	6.137E-02	2.078E+03	-1.193E+04	-1.600E-02
144	2	5231.25	136.45	32.10	1	-3.151E-01	-1.700E+00	5.112E-01	5.247E+02	-6.124E+03	-1.687E+03	-1.469E-01	-1.868E+00	3.180E-01	9.281E+02	-6.527E+03	-2.348E-01
144	3	5221.75	146.95	32.10	1	2.250E-02	-2.744E+00	8.429E-01	2.343E+03	1.720E+03	-1.076E+03	2.591E-01	-2.981E+00	2.736E-01	3.151E+03	9.117E+02	-6.447E-01
144	4	5212.25	136.45	32.10	1	2.974E-01	-3.773E+00	4.975E-01	4.208E+03	-4.326E+03	-1.089E+03	3.573E-01	-3.833E+00	1.199E-01	4.344E+03	-4.463E+03	-1.250E-01
145	1	5030.25	157.45	32.10	1	3.786E-01	-3.206E-01	-9.128E-01	2.884E+03	2.475E+03	1.693E+03	1.006E+00	-9.484E-01	-6.025E-01	4.385E+03	9.740E+02	7.253E-01
145	2	5039.75	167.95	32.10	1	-4.633E-01	6.276E-01	-7.836E-01	3.733E+03	1.453E+03	7.955E+02	1.037E+00	-8.726E-01	2.052E+00	3.983E+03	1.203E+03	3.046E-01
145	3	5030.25	178.45	32.10	1	-8.315E-01	-2.744E-02	-3.892E-01	1.841E+03	4.464E+02	1.115E+03	1.301E-01	-9.890E-01	1.955E+00	2.459E+03	-1.713E+02	5.059E-01
145	4	5020.75	167.95	32.10	1	1.041E-02	-9.756E-01	-5.184E-01	4.215E+02	1.903E+03	1.229E+03	2.328E-01	-1.198E+00	-4.052E-01	2.597E+03	-2.728E+02	1.057E+00
146	1	5085.25	157.45	32.10	1	2.896E-01	1.295E-01	7.522E-01	-3.900E+03	-7.501E+02	8.933E+02	9.660E-01	-5.469E-01	7.324E-01	-5.144E+02	-4.136E+03	1.313E+00
146	2	5112.41	167.95	32.10	1	4.532E-01	-6.455E-01	9.326E-01	-8.267E+03	-9.893E+02	9.967E+01	9.862E-01	-1.179E+00	5.192E-01	-9.879E+02	-8.269E+03	1.557E+00
146	3	5085.25	178.45	32.10	1	6.174E-01	-9.838E-03	7.525E-01	-3.951E+03	-2.495E+02	1.370E+02	1.119E+00	-5.114E-01	5.880E-01	-2.444E+02	-3.956E+03	1.534E+00
146	4	5058.08	167.95	32.10	1	4.538E-01	7.652E-01	5.721E-01	4.155E+02	-3.718E+02	3.238E+02	1.202E+00	1.662E-02	9.182E-01	5.316E+02	-4.878E+02	3.442E-01
147	1	5166.75	157.45	32.10	1	2.908E-01	1.317E-01	-7.577E-01	-3.905E+03	-7.570E+02	-8.722E+02	9.732E-01	-5.506E-01	-7.331E-01	-5.315E+02	-4.131E+03	1.824E+00
147	2	5193.91	167.95	32.10	1	4.498E-01	7.747E-01	-5.834E-01	4.011E+02	-3.843E+02	-3.116E+02	1.218E+00	6.631E-03	2.220E+00	5.097E+02	-4.929E+02	-3.353E-01

147	3	5166.75	178.45	32.10	1	6.080E-01	-3.150E-03	-7.580E-01	-3.959E+03	-2.551E+02	-1.194E+02	1.120E+00	-5.148E-01	-5.938E-01	-2.512E+02	-3.963E+03	1.603E+00
147	4	5139.58	167.95	32.10	1	4.491E-01	-6.461E-01	-9.323E-01	-8.266E+03	-9.916E+02	8.086E+01	9.827E-01	-1.180E+00	-5.199E-01	-9.907E+02	-8.267E+03	1.560E+00
148	1	5221.75	157.45	32.10	1	3.845E-01	-3.305E-01	9.335E-01	2.878E+03	2.465E+03	-1.696E+03	1.027E+00	-9.726E-01	6.025E-01	4.380E+03	9.621E+02	-7.248E-01
148	2	5231.25	167.95	32.10	1	8.286E-03	-9.979E-01	5.313E-01	4.238E+02	1.903E+03	-1.225E+03	2.369E-01	-1.226E+00	4.063E-01	2.594E+03	-2.673E+02	2.085E+00
148	3	5221.75	178.45	32.10	1	-8.508E-01	-3.130E-02	3.999E-01	1.825E+03	4.436E+02	-1.111E+03	1.315E-01	-1.014E+00	1.184E+00	2.442E+03	-1.735E+02	-5.072E-01
148	4	5212.25	167.95	32.10	1	-4.745E-01	6.360E-01	8.021E-01	3.711E+03	1.438E+03	-7.856E+02	1.056E+00	-8.948E-01	1.088E+00	3.956E+03	1.193E+03	-3.024E-01
149	1	7583.75	-167.95	34.65	1	-1.404E-06	-9.359E-06	6.439E-15	1.807E+03	3.463E+02	1.247E+03	-1.404E-06	-9.359E-06	8.094E-10	2.522E+03	-3.688E+02	5.205E-01
149	2	7593.25	-178.45	34.65	1	2.770E-14	2.770E-14	3.599E-06	5.099E+02	2.045E+03	1.153E+03	3.599E-06	-3.599E-06	7.854E-01	2.663E+03	-1.079E+02	1.079E+00
149	3	7602.75	-167.95	34.65	1	1.404E-06	9.359E-06	1.110E-13	1.716E+03	4.083E+03	8.664E+02	9.359E-06	1.404E-06	1.571E+00	4.366E+03	1.433E+03	1.255E+00
149	4	7593.25	-157.45	34.65	1	1.124E-14	1.124E-14	-3.599E-06	2.553E+03	2.988E+03	1.535E+03	3.599E-06	-3.599E-06	-7.854E-01	4.321E+03	1.221E+03	8.559E-01
150	1	7621.08	-167.95	34.65	1	-4.909E-07	-3.273E-06	2.243E-14	-1.808E+02	6.767E+02	4.224E+02	-4.909E-07	-3.273E-06	8.062E-09	8.498E+02	-3.539E+02	1.182E+00
150	2	7648.25	-178.45	34.65	1	4.831E-14	4.831E-14	3.599E-06	-2.896E+02	-3.956E+03	2.746E+02	3.599E-06	-3.599E-06	7.854E-01	-2.691E+02	-3.977E+03	7.432E-02
150	3	7675.41	-167.95	34.65	1	4.909E-07	3.273E-06	6.106E-14	-1.248E+03	-8.512E+03	-1.569E+02	3.273E-06	4.909E-07	1.571E+00	-1.245E+03	-8.516E+03	-2.158E-02
150	4	7648.25	-157.45	34.65	1	4.066E-14	4.066E-14	-3.599E-06	-7.686E+02	-3.879E+03	1.173E+03	3.599E-06	-3.599E-06	-7.854E-01	-3.761E+02	-4.272E+03	3.230E-01
151	1	7702.58	-167.95	34.65	1	-4.909E-07	-3.273E-06	1.416E-14	-1.248E+03	-8.512E+03	-1.569E+02	-4.909E-07	-3.273E-06	5.088E-09	-1.245E+03	-8.516E+03	-2.158E-02
151	2	7729.75	-178.45	34.65	1	5.383E-14	5.383E-14	3.599E-06	-2.896E+02	-3.956E+03	-2.746E+02	3.599E-06	-3.599E-06	7.854E-01	-2.691E+02	-3.977E+03	-7.432E-02
151	3	7756.91	-167.95	34.65	1	4.909E-07	3.273E-06	-1.515E-14	-1.808E+02	6.767E+02	-4.224E+02	3.273E-06	4.909E-07	1.571E+00	8.498E+02	-3.539E+02	1.960E+00
151	4	7729.75	-157.45	34.65	1	6.824E-14	6.824E-14	-3.599E-06	-7.686E+02	-3.879E+03	-1.173E+03	3.599E-06	-3.599E-06	-7.854E-01	-3.761E+02	-4.272E+03	-3.230E-01
152	1	7775.25	-167.95	34.65	1	-1.404E-06	-9.359E-06	6.550E-14	1.716E+03	4.083E+03	-8.664E+02	-1.404E-06	-9.359E-06	8.234E-09	4.366E+03	1.433E+03	1.887E+00
152	2	7784.75	-178.45	34.65	1	-6.178E-14	-6.178E-14	3.599E-06	5.099E+02	2.045E+03	-1.153E+03	3.599E-06	-3.599E-06	7.854E-01	2.663E+03	-1.079E+02	2.063E+00
152	3	7794.25	-167.95	34.65	1	1.404E-06	9.359E-06	1.274E-12	1.807E+03	3.463E+02	-1.247E+03	9.359E-06	1.404E-06	1.571E+00	2.522E+03	-3.688E+02	-5.205E-01
152	4	7784.75	-157.45	34.65	1	9.234E-14	9.234E-14	-3.599E-06	2.553E+03	2.988E+03	-1.535E+03	3.599E-06	-3.599E-06	-7.854E-01	4.321E+03	1.221E+03	2.286E+00
153	1	7593.25	-146.95	34.65	1	4.818E-14	7.550E-14	-3.599E-06	2.242E+03	6.155E+02	-9.194E+02	3.599E-06	-3.599E-06	-7.854E-01	2.656E+03	2.012E+02	-4.233E-01
153	2	7602.75	-136.45	34.65	1	9.359E-06	1.404E-06	-2.109E-13	3.975E+03	-5.683E+03	-1.167E+03	9.359E-06	1.404E-06	-2.652E-08	4.114E+03	-5.822E+03	-1.186E-01
153	3	7593.25	-125.95	34.65	1	5.868E-14	5.868E-14	3.599E-06	1.910E+03	-1.304E+04	-2.771E+02	3.599E-06	-3.599E-06	7.854E-01	1.915E+03	-1.305E+04	-1.853E-02
153	4	7583.75	-136.45	34.65	1	-9.359E-06	-1.404E-06	-1.477E-13	6.590E+02	-7.110E+03	-1.731E+03	-1.404E-06	-9.359E-06	1.571E+00	1.027E+03	-7.478E+03	-2.096E-01
154	1	7648.25	-146.95	34.65	1	5.970E-14	-8.438E-15	-3.599E-06	-4.286E+03	-3.046E+03	-1.522E+03	3.599E-06	-3.599E-06	-7.854E-01	-2.022E+03	-5.310E+03	2.163E+00
154	2	7675.41	-136.45	34.65	1	3.273E-06	4.909E-07	-1.485E-14	-7.973E+03	-7.642E+03	6.831E+02	3.273E-06	4.909E-07	-5.338E-09	-7.104E+03	-8.510E+03	9.041E-01
154	3	7648.25	-125.95	34.65	1	5.521E-14	5.521E-14	3.599E-06	-4.499E+03	-9.826E+03	-2.038E+03	3.599E-06	-3.599E-06	7.854E-01	-3.809E+03	-1.052E+04	-3.266E-01
154	4	7621.08	-136.45	34.65	1	-3.273E-06	-4.909E-07	-7.330E-14	-8.147E+02	-7.591E+03	-2.141E+03	-4.909E-07	-3.273E-06	1.571E+00	-1.947E+02	-8.210E+03	-2.818E-01
155	1	7729.75	-146.95	34.65	1	1.484E-13	-7.483E-14	-3.599E-06	-4.286E+03	-3.046E+03	1.522E+03	3.599E-06	-3.599E-06	-7.854E-01	-2.022E+03	-5.310E+03	9.789E-01
155	2	7756.91	-136.45	34.65	1	3.273E-06	4.909E-07	-3.209E-14	-8.147E+02	-7.591E+03	2.141E+03	3.273E-06	4.909E-07	-1.153E-08	-1.947E+02	-8.210E+03	2.818E-01
155	3	7729.75	-125.95	34.65	1	-1.056E-14	-1.056E-14	3.599E-06	-4.499E+03	-9.826E+03	2.038E+03	3.599E-06	-3.599E-06	7.854E-01	-3.809E+03	-1.052E+04	3.266E-01
155	4	7702.58	-136.45	34.65	1	-3.273E-06	-4.909E-07	2.887E-14	-7.973E+03	-7.642E+03	6.831E+02	-4.909E-07	-3.273E-06	1.571E+00	-7.104E+03	-8.510E+03	9.041E-01
156	1	7784.75	-146.95	34.65	1	1.053E-13	-9.415E-14	-3.599E-06	2.242E+03	6.155E+02	9.194E+02	3.599E-06	-3.599E-06	-7.854E-01	2.656E+03	2.012E+02	4.233E-01
156	2	7794.25	-136.45	34.65	1	9.359E-06	1.404E-06	-1.364E-12	6.590E+02	-7.110E+03	1.731E+03	9.359E-06	1.404E-06	-1.715E-07	1.027E+03	-7.478E+03	2.096E-01
156	3	7784.75	-125.95	34.65	1	-6.350E-14	-6.350E-14	3.599E-06	1.910E+03	-1.304E+04	2.771E+02	3.599E-06	-3.599E-06	7.854E-01	1.915E+03	-1.305E+04	1.853E-02
156	4	7775.25	-136.45	34.65	1	-9.359E-06	-1.404E-06	-1.341E-13	3.975E+03	-5.683E+03	1.167E+03	-1.404E-06	-9.359E-06	1.571E+00	4.114E+03	-5.822E+03	1.186E-01
157	1	7583.75	-60.35	34.65	1	-7.019E-07	-4.680E-06	-1.443E-14	-4.091E+04	-5.331E+02	-2.885E+03	-7.019E-07	-4.680E-06	-3.629E-09	-3.280E+02	-4.111E+04	1.642E+00
157	2	7593.25	-100.58	34.65	1	2.939E-14	2.939E-14	4.696E-07	-2.674E+04	-3.852E+03	1.369E+02	4.696E-07	-4.696E-07	7.854E-01	-3.852E+03	-2.674E+04	1.565E+00
157	3	7602.75	-60.35	34.65	1	7.019E-07	4.680E-06	4.574E-14	-4.082E+04	-1.395E+03	8.799E+02	4.680E-06	7.019E-07	1.571E+00	-1.375E+03	-4.084E+04	1.548E+00
157	4	7593.25	-20.12	34.65	1	-1.462E-14	-1.462E-14	-4.696E-07	-5.510E+04	7.930E+02	5.150E+02	4.696E-07	-4.696E-07	-7.854E-01	7.978E+02	-5.510E+04	1.562E+00
158	1	7621.08	-60.35	34.65	1	-2.455E-07	-1.636E-06	-6.539E-14	-4.182E+04	-3.926E+03	1.388E+03	-2.455E-07	-1.636E-06	-4.701E-08	-3.876E+03	-4.187E+04	1.534E+00

158	2	7648.25	-100.58	34.65	1	4.036E-14	4.036E-14	4.696E-07	-2.069E+04	-1.597E+04	2.144E+03	4.696E-07	-4.696E-07	7.854E-01	-1.514E+04	-2.152E+04	1.202E+00
158	3	7675.41	-60.35	34.65	1	2.455E-07	1.636E-06	-4.791E-14	-4.003E+04	-2.100E+04	-1.408E+03	1.636E-06	2.455E-07	1.571E+00	-2.090E+04	-4.013E+04	1.644E+00
158	4	7648.25	-20.12	34.65	1	1.082E-14	1.082E-14	-4.696E-07	-5.855E+04	-1.690E+04	1.869E+03	4.696E-07	-4.696E-07	-7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
159	1	7702.58	-60.35	34.65	1	-2.455E-07	-1.636E-06	-4.718E-14	-4.003E+04	-2.100E+04	-1.408E+03	-2.455E-07	-1.636E-06	-3.392E-08	-2.090E+04	-4.013E+04	1.644E+00
159	2	7729.75	-100.58	34.65	1	4.037E-14	4.037E-14	4.696E-07	-2.069E+04	-1.597E+04	-2.144E+03	4.696E-07	-4.696E-07	7.854E-01	-1.514E+04	-2.152E+04	1.939E+00
159	3	7756.91	-60.35	34.65	1	2.455E-07	1.636E-06	-1.493E-14	-4.182E+04	-3.926E+03	-1.388E+03	1.636E-06	2.455E-07	1.571E+00	-3.876E+03	-4.187E+04	1.607E+00
159	4	7729.75	-20.12	34.65	1	-3.115E-14	-3.115E-14	-4.696E-07	-5.855E+04	-1.690E+04	1.869E+03	4.696E-07	-4.696E-07	-7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
160	1	7775.25	-60.35	34.65	1	-7.019E-07	-4.680E-06	-2.975E-14	-4.082E+04	-1.395E+03	-8.799E+02	-7.019E-07	-4.680E-06	-7.480E-09	-1.375E+03	-4.084E+04	1.593E+00
160	2	7784.75	-100.58	34.65	1	5.974E-15	5.974E-15	4.696E-07	-2.674E+04	-3.852E+03	-1.369E+02	4.696E-07	-4.696E-07	7.854E-01	-3.852E+03	-2.674E+04	1.577E+00
160	3	7794.25	-60.35	34.65	1	7.019E-07	4.680E-06	1.246E-12	-4.091E+04	-5.331E+02	2.885E+03	4.680E-06	7.019E-07	1.571E+00	-3.280E+02	-4.111E+04	1.500E+00
160	4	7784.75	-20.12	34.65	1	-5.280E-14	-5.280E-14	-4.696E-07	-5.510E+04	7.930E+02	5.150E+02	4.696E-07	-4.696E-07	-7.854E-01	7.978E+02	-5.510E+04	1.562E+00
161	1	7583.75	60.35	34.65	1	7.019E-07	4.680E-06	-1.110E-15	-4.091E+04	-5.331E+02	2.885E+03	4.680E-06	7.019E-07	1.571E+00	-3.280E+02	-4.111E+04	1.500E+00
161	2	7593.25	20.12	34.65	1	-3.510E-14	-3.510E-14	-4.696E-07	-5.510E+04	7.930E+02	5.150E+02	4.696E-07	-4.696E-07	-7.854E-01	7.978E+02	-5.510E+04	1.562E+00
161	3	7602.75	60.35	34.65	1	-7.019E-07	-4.680E-06	6.128E-14	-4.082E+04	-1.395E+03	-8.799E+02	-7.019E-07	-4.680E-06	1.541E-08	-1.375E+03	-4.084E+04	1.593E+00
161	4	7593.25	100.58	34.65	1	-1.809E-14	-1.809E-14	4.696E-07	-2.674E+04	-3.852E+03	-1.369E+02	4.696E-07	-4.696E-07	7.854E-01	-3.852E+03	-2.674E+04	1.577E+00
162	1	7621.08	60.35	34.65	1	2.455E-07	1.636E-06	-3.866E-14	-4.182E+04	-3.926E+03	-1.388E+03	1.636E-06	2.455E-07	1.571E+00	-3.876E+03	-4.187E+04	1.607E+00
162	2	7648.25	20.12	34.65	1	-8.389E-15	-8.389E-15	-4.696E-07	-5.855E+04	-1.690E+04	1.869E+03	4.696E-07	-4.696E-07	-7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
162	3	7675.41	60.35	34.65	1	-2.455E-07	-1.636E-06	-5.745E-15	-4.003E+04	-2.100E+04	1.408E+03	-2.455E-07	-1.636E-06	-4.131E-09	-2.090E+04	-4.013E+04	1.497E+00
162	4	7648.25	100.58	34.65	1	-5.750E-14	-5.750E-14	4.696E-07	-2.069E+04	-1.597E+04	-2.144E+03	4.696E-07	-4.696E-07	7.854E-01	-1.514E+04	-2.152E+04	1.939E+00
163	1	7702.58	60.35	34.65	1	2.455E-07	1.636E-06	-9.021E-15	-4.003E+04	-2.100E+04	1.408E+03	1.636E-06	2.455E-07	1.571E+00	-2.090E+04	-4.013E+04	1.497E+00
163	2	7729.75	20.12	34.65	1	-1.764E-14	-1.764E-14	-4.696E-07	-5.855E+04	-1.690E+04	1.869E+03	4.696E-07	-4.696E-07	-7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
163	3	7756.91	60.35	34.65	1	-2.455E-07	-1.636E-06	8.854E-15	-4.182E+04	-3.926E+03	1.388E+03	-2.455E-07	-1.636E-06	6.365E-09	-3.876E+03	-4.187E+04	1.534E+00
163	4	7729.75	100.58	34.65	1	-6.314E-15	-6.314E-15	4.696E-07	-2.069E+04	-1.597E+04	2.144E+03	4.696E-07	-4.696E-07	7.854E-01	-1.514E+04	-2.152E+04	1.202E+00
164	1	7775.25	60.35	34.65	1	7.019E-07	4.680E-06	-6.017E-14	-4.082E+04	-1.395E+03	8.799E+02	4.680E-06	7.019E-07	1.571E+00	-1.375E+03	-4.084E+04	1.548E+00
164	2	7784.75	20.12	34.65	1	-7.633E-16	-7.633E-16	-4.696E-07	-5.510E+04	7.930E+02	5.150E+02	4.696E-07	-4.696E-07	-7.854E-01	7.978E+02	-5.510E+04	1.562E+00
164	3	7794.25	60.35	34.65	1	-7.019E-07	-4.680E-06	1.258E-12	-4.091E+04	-5.331E+02	-2.885E+03	-7.019E-07	-4.680E-06	3.162E-07	-3.280E+02	-4.111E+04	1.642E+00
164	4	7784.75	100.58	34.65	1	1.260E-14	1.260E-14	4.696E-07	-2.674E+04	-3.852E+03	1.369E+02	4.696E-07	-4.696E-07	7.854E-01	-3.852E+03	-2.674E+04	1.565E+00
165	1	7593.25	125.95	34.65	1	-1.005E-14	-1.310E-13	3.599E-06	1.910E+03	-1.304E+04	2.771E+02	3.599E-06	-3.599E-06	7.854E-01	1.915E+03	-1.305E+04	1.853E-02
165	2	7602.75	136.45	34.65	1	-9.359E-06	-1.404E-06	-1.223E-13	3.975E+03	-5.683E+03	1.167E+03	-1.404E-06	-9.359E-06	1.571E+00	4.114E+03	-5.822E+03	1.186E-01
165	3	7593.25	146.95	34.65	1	-5.640E-14	-5.640E-14	-3.599E-06	2.242E+03	6.155E+02	9.194E+02	3.599E-06	-3.599E-06	-7.854E-01	2.656E+03	2.012E+02	4.233E-01
165	4	7583.75	136.45	34.65	1	9.359E-06	1.404E-06	-1.068E-13	6.590E+02	-7.110E+03	1.731E+03	9.359E-06	1.404E-06	-1.343E-08	1.027E+03	-7.478E+03	2.096E-01
166	1	7648.25	125.95	34.65	1	-9.992E-14	-8.060E-14	3.599E-06	-4.499E+03	-9.826E+03	2.038E+03	3.599E-06	-3.599E-06	7.854E-01	-3.809E+03	-1.052E+04	3.266E-01
166	2	7675.41	136.45	34.65	1	-3.273E-06	-4.909E-07	3.700E-14	-7.973E+03	-7.642E+03	-6.831E+02	-4.909E-07	-3.273E-06	1.571E+00	-7.104E+03	-8.510E+03	2.238E+00
166	3	7648.25	146.95	34.65	1	-4.485E-14	-4.485E-14	-3.599E-06	-4.286E+03	-3.046E+03	1.522E+03	3.599E-06	-3.599E-06	-7.854E-01	-2.022E+03	-5.310E+03	9.789E-01
166	4	7621.08	136.45	34.65	1	3.273E-06	4.909E-07	-3.167E-14	-8.147E+02	-7.591E+03	2.141E+03	3.273E-06	4.909E-07	-1.138E-08	-1.947E+02	-8.210E+03	2.818E-01
167	1	7729.75	125.95	34.65	1	3.644E-14	9.504E-14	3.599E-06	-4.499E+03	-9.826E+03	-2.038E+03	3.599E-06	-3.599E-06	7.854E-01	-3.809E+03	-1.052E+04	-3.266E-01
167	2	7756.91	136.45	34.65	1	-3.273E-06	-4.909E-07	3.156E-14	-8.147E+02	-7.591E+03	-2.141E+03	-4.909E-07	-3.273E-06	1.571E+00	-1.947E+02	-8.210E+03	-2.818E-01
167	3	7729.75	146.95	34.65	1	2.923E-14	2.923E-14	-3.599E-06	-4.286E+03	-3.046E+03	-1.522E+03	3.599E-06	-3.599E-06	-7.854E-01	-2.022E+03	-5.310E+03	2.163E+00
167	4	7702.58	136.45	34.65	1	3.273E-06	4.909E-07	2.850E-14	-7.973E+03	-7.642E+03	-6.831E+02	3.273E-06	4.909E-07	1.025E-08	-7.104E+03	-8.510E+03	2.238E+00
168	1	7784.75	125.95	34.65	1	4.535E-14	2.665E-14	3.599E-06	1.910E+03	-1.304E+04	-2.771E+02	3.599E-06	-3.599E-06	7.854E-01	1.915E+03	-1.305E+04	-1.853E-02
168	2	7794.25	136.45	34.65	1	-9.359E-06	-1.404E-06	-1.294E-12	6.590E+02	-7.110E+03	-1.731E+03	-1.404E-06	-9.359E-06	1.571E+00	1.027E+03	-7.478E+03	-2.096E-01
168	3	7784.75	146.95	34.65	1	-5.085E-14	-5.085E-14	-3.599E-06	2.242E+03	6.155E+02	-9.194E+02	3.599E-06	-3.599E-06	-7.854E-01	2.656E+03	2.012E+02	-4.233E-01
168	4	7775.25	136.45	34.65	1	9.359E-06	1.404E-06	-8.216E-14	3.975E+03	-5.683E+03	-1.167E+03	9.359E-06	1.404E-06	-1.033E-08	4.114E+03	-5.822E+03	-1.186E-01



169	1	7593.25	157.45	34.65	1	-4.452E-14	-2.798E-14	3.599E-06	2.988E+03	2.553E+03	1.535E+03	3.599E-06	-3.599E-06	7.854E-01	4.321E+03	1.221E+03	7.149E-01
169	2	7602.75	167.95	34.65	1	-9.359E-06	-1.404E-06	-1.859E-13	4.083E+03	1.716E+03	8.664E+02	-1.404E-06	-9.359E-06	1.571E+00	4.366E+03	1.433E+03	3.160E-01
169	3	7593.25	178.45	34.65	1	-4.963E-14	-4.963E-14	-3.599E-06	2.045E+03	5.099E+02	1.153E+03	3.599E-06	-3.599E-06	-7.854E-01	2.663E+03	-1.079E+02	4.918E-01
169	4	7583.75	167.95	34.65	1	9.359E-06	1.404E-06	-1.721E-13	3.463E+02	1.807E+03	1.247E+03	9.359E-06	1.404E-06	-2.163E-08	2.522E+03	-3.688E+02	1.050E+00
170	1	7648.25	157.45	34.65	1	-3.827E-14	1.443E-14	3.599E-06	-3.879E+03	-7.686E+02	1.173E+03	3.599E-06	-3.599E-06	7.854E-01	-3.761E+02	-4.272E+03	1.248E+00
170	2	7675.41	167.95	34.65	1	-3.273E-06	-4.909E-07	3.958E-14	-8.512E+03	-1.248E+03	-1.569E+02	-4.909E-07	-3.273E-06	1.571E+00	-1.245E+03	-8.516E+03	1.592E+00
170	3	7648.25	178.45	34.65	1	8.951E-15	8.951E-15	-3.599E-06	-3.956E+03	-2.896E+02	2.746E+02	3.599E-06	-3.599E-06	-7.854E-01	-2.691E+02	-3.977E+03	1.496E+00
170	4	7621.08	167.95	34.65	1	3.273E-06	4.909E-07	-5.990E-14	6.767E+02	-1.808E+02	4.224E+02	3.273E-06	4.909E-07	-2.153E-08	8.498E+02	-3.539E+02	3.890E-01
171	1	7729.75	157.45	34.65	1	4.036E-14	4.219E-15	3.599E-06	-3.879E+03	-7.686E+02	-1.173E+03	3.599E-06	-3.599E-06	7.854E-01	-3.761E+02	-4.272E+03	1.894E+00
171	2	7756.91	167.95	34.65	1	-3.273E-06	-4.909E-07	-3.081E-14	6.767E+02	-1.808E+02	-4.224E+02	-4.909E-07	-3.273E-06	1.571E+00	8.498E+02	-3.539E+02	-3.890E-01
171	3	7729.75	178.45	34.65	1	1.393E-14	1.393E-14	-3.599E-06	-3.956E+03	-2.896E+02	-2.746E+02	3.599E-06	-3.599E-06	-7.854E-01	-2.691E+02	-3.977E+03	1.645E+00
171	4	7702.58	167.95	34.65	1	3.273E-06	4.909E-07	-7.216E-16	-8.512E+03	-1.248E+03	-1.569E+02	3.273E-06	4.909E-07	-2.594E-10	-1.245E+03	-8.516E+03	1.592E+00
172	1	7784.75	157.45	34.65	1	-1.196E-13	-1.688E-14	3.599E-06	2.988E+03	2.553E+03	-1.535E+03	3.599E-06	-3.599E-06	7.854E-01	4.321E+03	1.221E+03	-7.149E-01
172	2	7794.25	167.95	34.65	1	-9.359E-06	-1.404E-06	-1.331E-12	3.463E+02	1.807E+03	-1.247E+03	-1.404E-06	-9.359E-06	1.571E+00	2.522E+03	-3.688E+02	2.091E+00
172	3	7784.75	178.45	34.65	1	-1.041E-14	-1.041E-14	-3.599E-06	2.045E+03	5.099E+02	-1.153E+03	3.599E-06	-3.599E-06	-7.854E-01	2.663E+03	-1.079E+02	-4.918E-01
172	4	7775.25	167.95	34.65	1	9.359E-06	1.404E-06	-1.568E-13	4.083E+03	1.716E+03	-8.664E+02	9.359E-06	1.404E-06	-1.971E-08	4.366E+03	1.433E+03	-3.160E-01
173	1	10146.75	-167.95	37.20	1	-9.756E-01	1.041E-02	-5.184E-01	1.903E+03	4.215E+02	1.229E+03	2.328E-01	-1.198E+00	1.976E+00	2.597E+03	-2.728E+02	5.142E-01
173	2	10156.24	-178.45	37.20	1	-2.744E-02	-8.315E-01	-3.892E-01	4.464E+02	1.841E+03	1.115E+03	1.301E-01	-9.890E-01	-3.846E-01	2.459E+03	-1.713E+02	1.065E+00
173	3	10165.74	-167.95	37.20	1	6.276E-01	-4.633E-01	-7.836E-01	1.453E+03	3.733E+03	7.955E+02	1.037E+00	-8.726E-01	-4.813E-01	3.983E+03	1.203E+03	1.266E+00
173	4	10156.24	-157.45	37.20	1	-3.206E-01	3.786E-01	-9.128E-01	2.475E+03	2.884E+03	1.693E+03	1.006E+00	-9.484E-01	2.173E+00	4.385E+03	9.740E+02	8.455E-01
174	1	10184.08	-167.95	37.20	1	7.652E-01	4.538E-01	5.721E-01	-3.718E+02	4.155E+02	3.238E+02	1.202E+00	1.662E-02	6.526E-01	5.316E+02	-4.878E+02	1.227E+00
174	2	10211.25	-178.45	37.20	1	-9.838E-03	6.174E-01	7.525E-01	-2.495E+02	-3.951E+03	1.370E+02	1.119E+00	-5.114E-01	9.828E-01	-2.444E+02	-3.956E+03	3.694E-02
174	3	10238.41	-167.95	37.20	1	-6.455E-01	4.532E-01	9.326E-01	-9.893E+02	-8.267E+03	9.967E+01	9.862E-01	-1.179E+00	1.052E+00	-9.879E+02	-8.269E+03	1.369E-02
174	4	10211.25	-157.45	37.20	1	1.295E-01	2.896E-01	7.522E-01	-7.501E+02	-3.900E+03	8.933E+02	9.660E-01	-5.469E-01	8.384E-01	-5.144E+02	-4.136E+03	2.579E-01
175	1	10265.58	-167.95	37.20	1	-6.461E-01	4.491E-01	-9.323E-01	-9.916E+02	-8.266E+03	8.086E+01	9.827E-01	-1.180E+00	2.091E+00	-9.907E+02	-8.267E+03	1.111E-02
175	2	10292.75	-178.45	37.20	1	-3.150E-03	6.080E-01	-7.580E-01	-2.551E+02	-3.959E+03	-1.194E+02	1.120E+00	-5.148E-01	2.165E+00	-2.512E+02	-3.963E+03	-3.220E-02
175	3	10319.91	-167.95	37.20	1	7.747E-01	4.498E-01	-5.834E-01	-3.843E+02	4.011E+02	-3.116E+02	1.218E+00	6.631E-03	-6.496E-01	5.097E+02	-4.929E+02	1.906E+00
175	4	10292.75	-157.45	37.20	1	1.317E-01	2.908E-01	-7.577E-01	-7.570E+02	-3.905E+03	-8.722E+02	9.732E-01	-5.506E-01	2.304E+00	-5.315E+02	-4.131E+03	-2.530E-01
176	1	10338.25	-167.95	37.20	1	6.360E-01	-4.745E-01	8.021E-01	1.438E+03	3.711E+03	-7.856E+02	1.056E+00	-8.948E-01	4.826E-01	3.956E+03	1.193E+03	1.873E+00
176	2	10347.75	-178.45	37.20	1	-3.130E-02	-8.508E-01	3.999E-01	4.436E+02	1.825E+03	-1.111E+03	1.315E-01	-1.014E+00	3.866E-01	2.442E+03	-1.735E+02	2.078E+00
176	3	10357.25	-167.95	37.20	1	-9.979E-01	8.286E-03	5.313E-01	1.903E+03	4.238E+02	-1.225E+03	2.369E-01	-1.226E+00	1.164E+00	2.594E+03	-2.673E+02	-5.137E-01
176	4	10347.75	-157.45	37.20	1	-3.305E-01	3.845E-01	9.335E-01	2.465E+03	2.878E+03	-1.696E+03	1.027E+00	-9.726E-01	9.683E-01	4.380E+03	9.621E+02	2.296E+00
177	1	10156.24	-146.95	37.20	1	2.479E-02	-2.679E+00	8.203E-01	2.339E+03	1.677E+03	-1.073E+03	2.542E-01	-2.908E+00	2.727E-01	3.131E+03	8.858E+02	-6.358E-01
177	2	10165.74	-136.45	37.20	1	2.937E-01	-3.690E+00	4.804E-01	4.198E+03	-4.377E+03	-1.098E+03	3.508E-01	-3.747E+00	1.183E-01	4.337E+03	-4.515E+03	-1.253E-01
177	3	10156.24	-125.95	37.20	1	-3.963E-02	-2.663E+00	1.547E-01	2.066E+03	-1.197E+04	-2.290E+02	-3.055E-02	-2.672E+00	5.868E-02	2.070E+03	-1.197E+04	-1.631E-02
177	4	10146.75	-136.45	37.20	1	-3.085E-01	-1.652E+00	4.945E-01	5.294E+02	-6.161E+03	-1.693E+03	-1.461E-01	-1.815E+00	3.173E-01	9.333E+02	-6.565E+03	-2.342E-01
178	1	10211.25	-146.95	37.20	1	-3.217E-03	-1.823E+00	-7.008E-01	-4.192E+03	-2.281E+03	-1.277E+03	2.354E-01	-2.061E+00	-3.282E-01	-1.641E+03	-4.831E+03	2.035E+00
178	2	10238.41	-136.45	37.20	1	-3.274E-02	1.197E-01	-7.346E-01	-7.978E+03	-7.202E+03	-6.547E+02	7.820E-01	-6.950E-01	-6.829E+00	-6.829E+03	-8.351E+03	2.089E+00
178	3	10211.25	-125.95	37.20	1	-6.405E-02	-1.797E+00	-7.015E-01	-4.428E+03	-9.097E+03	-2.010E+03	1.843E-01	-2.045E+00	-3.403E-01	-3.682E+03	-9.843E+03	-3.554E-01
178	4	10184.08	-136.45	37.20	1	-3.453E-02	-3.739E+00	-6.676E-01	-6.429E+02	-6.283E+03	-2.083E+03	8.211E-02	-3.856E+00	-1.730E-01	4.269E+01	-6.969E+03	-3.180E-01
179	1	10292.75	-146.95	37.20	1	-8.527E-03	-1.864E+00	7.067E-01	-4.192E+03	-2.258E+03	1.259E+03	2.299E-01	-2.103E+00	3.255E-01	-1.638E+03	-4.812E+03	1.113E+00
179	2	10319.91	-136.45	37.20	1	-3.789E-02	-3.823E+00	6.757E-01	-6.378E+02	-6.233E+03	2.075E+03	7.912E-02	-3.940E+00	1.715E-01	4.761E+01	-6.919E+03	3.191E-01
179	3	10292.75	-125.95	37.20	1	-6.541E-02	-1.840E+00	7.074E-01	-4.425E+03	-9.075E+03	2.003E+03	1.820E-01	-2.087E+00	3.365E-01	-3.681E+03	-9.819E+03	3.556E-01

179	4	10265.58	-136.45	37.20	1	-3.605E-02	1.192E-01	7.383E-01	-7.980E+03	-7.201E+03	-6.413E+02	7.839E-01	-7.008E-01	8.378E-01	-6.840E+03	-8.341E+03	2.083E+00
180	1	10347.75	-146.95	37.20	1	2.250E-02	-2.744E+00	-8.429E-01	2.343E+03	1.720E+03	1.076E+03	2.591E-01	-2.981E+00	-2.736E-01	3.151E+03	9.117E+02	6.447E-01
180	2	10357.25	-136.45	37.20	1	-3.151E-01	-1.700E+00	-5.112E-01	5.247E+02	-6.124E+03	1.687E+03	-1.469E-01	-1.868E+00	-3.180E-01	9.281E+02	-6.527E+03	2.348E-01
180	3	10347.75	-125.95	37.20	1	-4.023E-02	-2.729E+00	-1.658E-01	2.074E+03	-1.193E+04	2.241E+02	-3.004E-02	-2.739E+00	-6.137E-02	2.078E+03	-1.193E+04	1.600E-02
180	4	10338.25	-136.45	37.20	1	2.974E-01	-3.773E+00	-4.975E-01	4.208E+03	-4.326E+03	1.089E+03	3.573E-01	-3.833E+00	-1.199E-01	4.344E+03	-4.463E+03	1.250E-01
181	1	10146.75	-60.35	37.20	1	-1.626E+00	5.179E-02	-3.942E-03	-4.002E+04	-5.111E+02	-2.908E+03	5.180E-02	-1.626E+00	1.573E+00	-2.982E+02	-4.023E+04	1.644E+00
181	2	10156.24	-100.58	37.20	1	-1.595E+00	1.206E-01	4.044E-02	-2.582E+04	-3.819E+03	1.055E+02	1.215E-01	-1.596E+00	1.547E+00	-3.819E+03	-2.582E+04	1.566E+00
181	3	10165.74	-60.35	37.20	1	-1.578E+00	3.009E-02	-7.107E-03	-3.995E+04	-1.396E+03	8.700E+02	3.012E-02	-1.578E+00	1.575E+00	-1.377E+03	-3.997E+04	1.548E+00
181	4	10156.24	-20.12	37.20	1	-1.609E+00	-3.871E-02	-5.149E-02	-5.425E+04	8.010E+02	-5.190E+02	-3.702E-02	-1.610E+00	1.604E+00	8.058E+02	-5.425E+04	1.580E+00
182	1	10184.08	-60.35	37.20	1	-1.578E+00	3.146E-02	1.708E-01	-4.094E+04	-3.911E+03	1.380E+03	4.939E-02	-1.596E+00	1.466E+00	-3.860E+03	-4.099E+04	1.534E+00
182	2	10211.25	-100.58	37.20	1	-1.297E+00	1.093E-02	3.351E-01	-1.983E+04	-1.597E+04	2.149E+03	9.177E-02	-1.378E+00	1.334E+00	-1.501E+04	-2.079E+04	1.152E+00
182	3	10238.41	-60.35	37.20	1	-9.904E-01	-1.785E-01	1.884E-01	-3.918E+04	-2.113E+04	1.392E+03	-1.368E-01	-1.032E+00	1.354E+00	-2.102E+04	-3.928E+04	1.494E+00
182	4	10211.25	-20.12	37.20	1	-1.271E+00	-1.579E-01	2.420E-02	-5.770E+04	-1.692E+04	1.857E+03	-1.574E-01	-1.271E+00	1.549E+00	-1.684E+04	-5.779E+04	1.525E+00
183	1	10265.58	-60.35	37.20	1	-9.913E-01	-1.841E-01	-1.899E-01	-3.918E+04	-2.114E+04	1.397E+03	-1.417E-01	-1.034E+00	1.791E+00	-2.103E+04	-3.928E+04	1.494E+00
183	2	10292.75	-100.58	37.20	1	-1.317E+00	1.296E-02	-3.467E-01	-1.982E+04	-1.597E+04	-2.137E+03	9.789E-02	-1.402E+00	1.811E+00	-1.502E+04	-2.077E+04	1.989E+00
183	3	10319.91	-60.35	37.20	1	-1.617E+00	3.971E-02	-1.721E-01	-4.093E+04	-3.905E+03	-1.383E+03	5.739E-02	-1.635E+00	1.673E+00	-3.853E+03	-4.098E+04	1.608E+00
183	4	10292.75	-20.12	37.20	1	-1.291E+00	-1.574E-01	-1.524E-02	-5.770E+04	-1.692E+04	-1.857E+03	-1.572E-01	-1.291E+00	1.584E+00	-1.683E+04	-5.779E+04	1.616E+00
184	1	10338.25	-60.35	37.20	1	-1.619E+00	2.960E-02	1.096E-02	-3.993E+04	-1.397E+03	-8.657E+02	2.967E-02	-1.619E+00	1.564E+00	-1.377E+03	-3.995E+04	1.593E+00
184	2	10347.75	-100.58	37.20	1	-1.640E+00	1.230E-01	-4.469E-02	-2.580E+04	-3.819E+03	-1.045E+02	1.242E-01	-1.642E+00	1.596E+00	-3.818E+03	-2.580E+04	1.576E+00
184	3	10357.25	-60.35	37.20	1	-1.676E+00	5.512E-02	7.757E-03	-4.001E+04	-5.075E+02	2.914E+03	5.516E-02	-1.676E+00	1.566E+00	-2.936E+02	-4.022E+04	1.498E+00
184	4	10347.75	-20.12	37.20	1	-1.654E+00	-3.832E-02	6.341E-02	-5.424E+04	8.044E+02	-5.206E+02	-3.583E-02	-1.657E+00	1.532E+00	8.094E+02	-5.425E+04	1.580E+00
185	1	10146.75	60.35	37.20	1	-1.626E+00	5.179E-02	3.942E-03	-4.002E+04	-5.111E+02	2.908E+03	5.180E-02	-1.626E+00	1.568E+00	-2.982E+02	-4.023E+04	1.498E+00
185	2	10156.24	20.12	37.20	1	-1.609E+00	-3.871E-02	5.149E-02	-5.425E+04	8.010E+02	-5.190E+02	-3.702E-02	-1.610E+00	1.538E+00	8.058E+02	-5.425E+04	1.580E+00
185	3	10165.74	60.35	37.20	1	-1.578E+00	3.009E-02	7.107E-03	-3.995E+04	-1.396E+03	-8.700E+02	3.012E-02	-1.578E+00	1.566E+00	-1.377E+03	-3.997E+04	1.593E+00
185	4	10156.24	100.58	37.20	1	-1.595E+00	1.206E-01	-4.044E-02	-2.582E+04	-3.819E+03	-1.055E+02	1.215E-01	-1.596E+00	1.594E+00	-3.819E+03	-2.582E+04	1.576E+00
186	1	10184.08	60.35	37.20	1	-1.578E+00	3.146E-02	-1.708E-01	-4.094E+04	-3.911E+03	-1.380E+03	4.939E-02	-1.596E+00	1.675E+00	-3.860E+03	-4.099E+04	1.608E+00
186	2	10211.25	20.12	37.20	1	-1.271E+00	-1.579E-01	-2.420E-02	-5.770E+04	-1.692E+04	1.857E+03	-1.574E-01	-1.271E+00	1.593E+00	-1.684E+04	-5.779E+04	1.525E+00
186	3	10238.41	60.35	37.20	1	-9.904E-01	-1.785E-01	-1.884E-01	-3.918E+04	-2.113E+04	-1.392E+03	-1.368E-01	-1.032E+00	1.788E+00	-2.102E+04	-3.928E+04	1.647E+00
186	4	10211.25	100.58	37.20	1	-1.297E+00	1.093E-02	-3.351E-01	-1.983E+04	-1.597E+04	-2.149E+03	9.177E-02	-1.378E+00	1.808E+00	-1.501E+04	-2.079E+04	1.990E+00
187	1	10265.58	60.35	37.20	1	-9.913E-01	-1.841E-01	1.899E-01	-3.918E+04	-2.114E+04	-1.397E+03	-1.417E-01	-1.034E+00	1.351E+00	-2.103E+04	-3.928E+04	1.648E+00
187	2	10292.75	20.12	37.20	1	-1.291E+00	-1.574E-01	1.524E-02	-5.770E+04	-1.692E+04	-1.857E+03	-1.572E-01	-1.291E+00	1.557E+00	-1.683E+04	-5.779E+04	1.616E+00
187	3	10319.91	60.35	37.20	1	-1.617E+00	3.971E-02	1.721E-01	-4.093E+04	-3.905E+03	1.383E+03	5.739E-02	-1.635E+00	1.468E+00	-3.853E+03	-4.098E+04	1.534E+00
187	4	10292.75	100.58	37.20	1	-1.317E+00	1.296E-02	3.467E-01	-1.982E+04	-1.597E+04	2.137E+03	9.789E-02	-1.402E+00	1.331E+00	-1.502E+04	-2.077E+04	1.152E+00
188	1	10338.25	60.35	37.20	1	-1.619E+00	2.960E-02	-1.096E-02	-3.993E+04	-1.397E+03	8.657E+02	2.967E-02	-1.619E+00	1.577E+00	-1.377E+03	-3.995E+04	1.548E+00
188	2	10347.75	20.12	37.20	1	-1.654E+00	-3.832E-02	-6.341E-02	-5.424E+04	8.044E+02	-5.206E+02	-3.583E-02	-1.657E+00	1.610E+00	8.094E+02	-5.425E+04	1.580E+00
188	3	10357.25	60.35	37.20	1	-1.676E+00	5.512E-02	-7.757E-03	-4.001E+04	-5.075E+02	-2.914E+03	5.516E-02	-1.676E+00	1.575E+00	-2.936E+02	-4.022E+04	1.644E+00
188	4	10347.75	100.58	37.20	1	-1.640E+00	1.230E-01	4.469E-02	-2.580E+04	-3.819E+03	1.045E+02	1.242E-01	-1.642E+00	1.545E+00	-3.818E+03	-2.580E+04	1.566E+00
189	1	10156.24	125.95	37.20	1	-3.963E-02	-2.663E+00	-1.547E-01	2.066E+03	-1.197E+04	2.290E+02	-3.055E-02	-2.672E+00	-5.868E-02	2.070E+03	-1.197E+04	1.631E-02
189	2	10165.74	136.45	37.20	1	2.937E-01	-3.690E+00	-4.804E-01	4.198E+03	-4.377E+03	1.098E+03	3.508E-01	-3.747E+00	-1.183E-01	4.337E+03	-4.515E+03	1.253E-01
189	3	10156.24	146.95	37.20	1	2.479E-02	-2.679E+00	-8.203E-01	2.339E+03	1.677E+03	1.073E+03	2.542E-01	-2.908E+00	-2.727E-01	3.131E+03	8.858E+02	6.358E-01
189	4	10146.75	136.45	37.20	1	-3.085E-01	-1.652E+00	-4.945E-01	5.294E+02	-6.161E+03	1.693E+03	-1.461E-01	-1.815E+00	-3.173E-01	9.333E+02	-6.565E+03	2.342E-01
190	1	10211.25	125.95	37.20	1	-6.405E-02	-1.797E+00	7.015E-01	-4.428E+03	-9.097E+03	2.010E+03	1.843E-01	-2.045E+00	3.403E-01	-3.682E+03	-9.843E+03	3.554E-01
190	2	10238.41	136.45	37.20	1	-3.274E-02	1.197E-01	7.346E-01	-7.978E+03	-7.202E+03	6.547E+02	7.820E-01	-6.950E-01	8.371E-01	-6.829E+03	-8.351E+03	1.053E+00

190	3	10211.25	146.95	37.20	1	-3.217E-03	-1.823E+00	7.008E-01	-4.192E+03	-2.281E+03	1.277E+03	2.354E-01	-2.061E+00	3.282E-01	-1.641E+03	-4.831E+03	1.107E+00
190	4	10184.08	136.45	37.20	1	-3.453E-02	-3.739E+00	6.676E-01	-6.429E+02	-6.283E+03	2.083E+03	8.211E-02	-3.856E+00	1.730E-01	4.269E+01	-6.969E+03	3.180E-01
191	1	10292.75	125.95	37.20	1	-6.541E-02	-1.840E+00	-7.074E-01	-4.425E+03	-9.075E+03	-2.003E+03	1.820E-01	-2.087E+00	-3.365E-01	-3.681E+03	-9.819E+03	-3.556E-01
191	2	10319.91	136.45	37.20	1	-3.789E-02	-3.823E+00	-6.757E-01	-6.378E+02	-6.233E+03	-2.075E+03	7.912E-02	-3.940E+00	-1.715E-01	4.761E+01	-6.919E+03	-3.191E-01
191	3	10292.75	146.95	37.20	1	-8.527E-03	-1.864E+00	-7.067E-01	-4.192E+03	-2.258E+03	-1.259E+03	2.299E-01	-2.103E+00	-3.255E-01	-1.638E+03	-4.812E+03	2.029E+00
191	4	10265.58	136.45	37.20	1	-3.605E-02	1.192E-01	-7.383E-01	-7.980E+03	-7.201E+03	6.413E+02	7.839E-01	-7.008E-01	2.304E+00	-6.840E+03	-8.341E+03	1.058E+00
192	1	10347.75	125.95	37.20	1	-4.023E-02	-2.729E+00	1.658E-01	2.074E+03	-1.193E+04	-2.241E+02	-3.004E-02	-2.739E+00	6.137E-02	2.078E+03	-1.193E+04	-1.600E-02
192	2	10357.25	136.45	37.20	1	-3.151E-01	-1.700E+00	5.112E-01	5.247E+02	-6.124E+03	-1.687E+03	-1.469E-01	-1.868E+00	3.180E-01	9.281E+02	-6.527E+03	-2.348E-01
192	3	10347.75	146.95	37.20	1	2.250E-02	-2.744E+00	8.429E-01	2.343E+03	1.720E+03	-1.076E+03	2.591E-01	-2.981E+00	2.736E-01	3.151E+03	9.117E+02	-6.447E-01
192	4	10338.25	136.45	37.20	1	2.974E-01	-3.773E+00	4.975E-01	4.208E+03	-4.326E+03	-1.089E+03	3.573E-01	-3.833E+00	1.199E-01	4.344E+03	-4.463E+03	-1.250E-01
193	1	10156.24	157.45	37.20	1	3.786E-01	-3.206E-01	-9.128E-01	2.884E+03	2.475E+03	1.693E+03	1.006E+00	-9.484E-01	-6.025E-01	4.385E+03	9.740E+02	7.253E-01
193	2	10165.74	167.95	37.20	1	-4.633E-01	6.276E-01	-7.836E-01	3.733E+03	1.453E+03	7.955E+02	1.037E+00	-8.726E-01	2.052E+00	3.983E+03	1.203E+03	3.046E-01
193	3	10156.24	178.45	37.20	1	-8.315E-01	-2.744E-02	-3.892E-01	1.841E+03	4.464E+02	1.115E+03	1.301E-01	-9.890E-01	1.955E+00	2.459E+03	-1.713E+02	5.059E-01
193	4	10146.75	167.95	37.20	1	1.041E-02	-9.756E-01	-5.184E-01	4.215E+02	1.903E+03	1.229E+03	2.328E-01	-1.198E+00	-4.052E-01	2.597E+03	-2.728E+02	1.057E+00
194	1	10211.25	157.45	37.20	1	2.896E-01	1.295E-01	7.522E-01	-3.900E+03	-7.501E+02	8.933E+02	9.660E-01	-5.469E-01	7.324E-01	-5.144E+02	-4.136E+03	1.313E+00
194	2	10238.41	167.95	37.20	1	4.532E-01	-6.455E-01	9.326E-01	-8.267E+03	-9.893E+02	9.967E+01	9.862E-01	-1.179E+00	5.192E-01	-9.879E+02	-8.269E+03	1.557E+00
194	3	10211.25	178.45	37.20	1	6.174E-01	-9.838E-03	7.525E-01	-3.951E+03	-2.495E+02	1.370E+02	1.119E+00	-5.114E-01	5.880E-01	-2.444E+02	-3.956E+03	1.534E+00
194	4	10184.08	167.95	37.20	1	4.538E-01	7.652E-01	5.721E-01	4.155E+02	-3.718E+02	3.238E+02	1.202E+00	1.662E-02	9.182E-01	5.316E+02	-4.878E+02	3.442E-01
195	1	10292.75	157.45	37.20	1	2.908E-01	1.317E-01	-7.577E-01	-3.905E+03	-7.570E+02	-8.722E+02	9.732E-01	-5.506E-01	-7.331E-01	-5.315E+02	-4.131E+03	1.824E+00
195	2	10319.91	167.95	37.20	1	4.498E-01	7.747E-01	-5.834E-01	4.011E+02	-3.843E+02	-3.116E+02	1.218E+00	6.631E-03	2.220E+00	5.097E+02	-4.929E+02	-3.353E-01
195	3	10292.75	178.45	37.20	1	6.080E-01	-3.150E-03	-7.580E-01	-3.959E+03	-2.551E+02	-1.194E+02	1.120E+00	-5.148E-01	-5.938E-01	-2.512E+02	-3.963E+03	1.603E+00
195	4	10265.58	167.95	37.20	1	4.491E-01	-6.461E-01	-9.323E-01	-8.266E+03	-9.916E+02	8.086E+01	9.827E-01	-1.180E+00	-5.199E-01	-9.907E+02	-8.267E+03	1.560E+00
196	1	10347.75	157.45	37.20	1	3.845E-01	-3.305E-01	9.335E-01	2.878E+03	2.465E+03	-1.696E+03	1.027E+00	-9.726E-01	6.025E-01	4.380E+03	9.621E+02	-7.248E-01
196	2	10357.25	167.95	37.20	1	8.286E-03	-9.979E-01	5.313E-01	4.238E+02	1.903E+03	-1.225E+03	2.369E-01	-1.226E+00	4.063E-01	2.594E+03	-2.673E+02	2.085E+00
196	3	10347.75	178.45	37.20	1	-8.508E-01	-3.130E-02	3.999E-01	1.825E+03	4.436E+02	-1.111E+03	1.315E-01	-1.014E+00	1.184E+00	2.442E+03	-1.735E+02	-5.072E-01
196	4	10338.25	167.95	37.20	1	-4.745E-01	6.360E-01	8.021E-01	3.711E+03	1.438E+03	-7.856E+02	1.056E+00	-8.948E-01	1.088E+00	3.956E+03	1.193E+03	-3.024E-01
197	1	12709.74	-167.95	39.75	1	2.107E-07	1.405E-06	3.886E-15	1.807E+03	3.463E+02	1.247E+03	1.405E-06	2.107E-07	1.571E+00	2.522E+03	-3.688E+02	5.205E-01
197	2	12719.24	-178.45	39.75	1	-3.351E-15	-3.351E-15	-5.402E-07	5.099E+02	2.045E+03	1.153E+03	5.402E-07	-5.402E-07	-7.854E-01	2.663E+03	-1.079E+02	1.079E+00
197	3	12728.74	-167.95	39.75	1	-2.107E-07	-1.405E-06	2.526E-15	1.716E+03	4.083E+03	8.664E+02	-2.107E-07	-1.405E-06	2.115E-09	4.366E+03	1.433E+03	1.255E+00
197	4	12719.24	-157.45	39.75	1	-4.892E-15	-4.892E-15	5.402E-07	2.553E+03	2.988E+03	1.535E+03	5.402E-07	-5.402E-07	7.854E-01	4.321E+03	1.221E+03	8.559E-01
198	1	12747.08	-167.95	39.75	1	7.369E-08	4.913E-07	-1.915E-15	-1.808E+02	6.767E+02	4.224E+02	4.913E-07	7.369E-08	1.571E+00	8.498E+02	-3.539E+02	1.182E+00
198	2	12774.24	-178.45	39.75	1	5.367E-15	5.367E-15	-5.402E-07	-2.896E+02	-3.956E+03	2.746E+02	5.402E-07	-5.402E-07	-7.854E-01	-2.691E+02	-3.977E+03	7.432E-02
198	3	12801.41	-167.95	39.75	1	-7.369E-08	-4.913E-07	-1.166E-15	-1.248E+03	-8.512E+03	1.569E+02	-7.369E-08	-4.913E-07	-2.792E-09	-1.245E+03	-8.516E+03	2.158E-02
198	4	12774.24	-157.45	39.75	1	2.585E-15	2.585E-15	5.402E-07	-7.686E+02	-3.879E+03	1.173E+03	5.402E-07	-5.402E-07	7.854E-01	-3.761E+02	-4.272E+03	3.230E-01
199	1	12828.58	-167.95	39.75	1	7.369E-08	4.913E-07	-4.635E-15	-1.248E+03	-8.512E+03	1.569E+02	4.913E-07	7.369E-08	1.571E+00	-1.245E+03	-8.516E+03	2.158E-02
199	2	12855.74	-178.45	39.75	1	-1.086E-15	-1.086E-15	-5.402E-07	-2.896E+02	-3.956E+03	-2.746E+02	5.402E-07	-5.402E-07	-7.854E-01	-2.691E+02	-3.977E+03	-7.432E-02
199	3	12882.91	-167.95	39.75	1	-7.369E-08	-4.913E-07	-3.941E-15	-1.808E+02	6.767E+02	-4.224E+02	-7.369E-08	-4.913E-07	-9.438E-09	8.498E+02	-3.539E+02	1.960E+00
199	4	12855.74	-157.45	39.75	1	-3.848E-15	-3.848E-15	5.402E-07	-7.686E+02	-3.879E+03	-1.173E+03	5.402E-07	-5.402E-07	7.854E-01	-3.761E+02	-4.272E+03	-3.230E-01
200	1	12901.24	-167.95	39.75	1	2.107E-07	1.405E-06	2.220E-15	1.716E+03	4.083E+03	-8.664E+02	1.405E-06	2.107E-07	1.571E+00	4.366E+03	1.433E+03	1.887E+00
200	2	12910.74	-178.45	39.75	1	-1.709E-14	-1.709E-14	-5.402E-07	5.099E+02	2.045E+03	-1.153E+03	5.402E-07	-5.402E-07	-7.854E-01	2.663E+03	-1.079E+02	2.063E+00
200	3	12920.24	-167.95	39.75	1	-2.107E-07	-1.405E-06	-9.770E-15	1.807E+03	3.463E+02	-1.247E+03	-2.107E-07	-1.405E-06	-8.181E-09	2.522E+03	-3.688E+02	-5.205E-01
200	4	12910.74	-157.45	39.75	1	2.415E-15	2.415E-15	5.402E-07	2.553E+03	2.988E+03	-1.535E+03	5.402E-07	-5.402E-07	7.854E-01	4.321E+03	1.221E+03	2.286E+00
201	1	12719.24	-146.95	39.75	1	8.604E-16	-2.520E-14	5.402E-07	2.242E+03	6.155E+02	-9.194E+02	5.402E-07	-5.402E-07	7.854E-01	2.656E+03	2.012E+02	-4.233E-01

201	2	12728.74	-136.45	39.75	1	-1.405E-06	-2.107E-07	1.482E-14	3.975E+03	-5.683E+03	-1.167E+03	-2.107E-07	-1.405E-06	1.571E+00	4.114E+03	-5.822E+03	-1.186E-01
201	3	12719.24	-125.95	39.75	1	-8.542E-15	-8.542E-15	-5.402E-07	1.910E+03	-1.304E+04	-2.771E+02	5.402E-07	-5.402E-07	-7.854E-01	1.915E+03	-1.305E+04	-1.853E-02
201	4	12709.74	-136.45	39.75	1	1.405E-06	2.107E-07	1.155E-14	6.590E+02	-7.110E+03	-1.731E+03	1.405E-06	2.107E-07	9.669E-09	1.027E+03	-7.478E+03	-2.096E-01
202	1	12774.24	-146.95	39.75	1	8.368E-15	-9.326E-15	5.402E-07	-4.286E+03	-3.046E+03	-1.522E+03	5.402E-07	-5.402E-07	7.854E-01	-2.022E+03	-5.310E+03	2.163E+00
202	2	12801.41	-136.45	39.75	1	-4.913E-07	-7.369E-08	1.457E-15	-7.973E+03	-7.642E+03	-6.831E+02	-7.369E-08	-4.913E-07	1.571E+00	-7.104E+03	-8.510E+03	2.238E+00
202	3	12774.24	-125.95	39.75	1	-4.045E-15	-4.045E-15	-5.402E-07	-4.499E+03	-9.826E+03	-2.038E+03	5.402E-07	-5.402E-07	-7.854E-01	-3.809E+03	-1.052E+04	-3.266E-01
202	4	12747.08	-136.45	39.75	1	4.913E-07	7.369E-08	1.070E-14	-8.147E+02	-7.591E+03	-2.141E+03	4.913E-07	7.369E-08	2.562E-08	-1.947E+02	-8.210E+03	-2.818E-01
203	1	12855.74	-146.95	39.75	1	-6.960E-15	-2.637E-15	5.402E-07	-4.286E+03	-3.046E+03	1.522E+03	5.402E-07	-5.402E-07	7.854E-01	-2.022E+03	-5.310E+03	9.789E-01
203	2	12882.91	-136.45	39.75	1	-4.913E-07	-7.369E-08	1.752E-14	-8.147E+02	-7.591E+03	2.141E+03	-7.369E-08	-4.913E-07	1.571E+00	-1.947E+02	-8.210E+03	2.818E-01
203	3	12855.74	-125.95	39.75	1	3.570E-15	3.570E-15	-5.402E-07	-4.499E+03	-9.826E+03	2.038E+03	5.402E-07	-5.402E-07	-7.854E-01	-3.809E+03	-1.052E+04	3.266E-01
203	4	12828.58	-136.45	39.75	1	4.913E-07	7.369E-08	2.991E-15	-7.973E+03	-7.642E+03	-6.831E+02	4.913E-07	7.369E-08	7.162E-09	-7.104E+03	-8.510E+03	2.238E+00
204	1	12910.74	-146.95	39.75	1	5.690E-15	2.065E-14	5.402E-07	2.242E+03	6.155E+02	9.194E+02	5.402E-07	-5.402E-07	7.854E-01	2.656E+03	2.012E+02	4.233E-01
204	2	12920.24	-136.45	39.75	1	-1.405E-06	-2.107E-07	1.044E-14	6.590E+02	-7.110E+03	1.731E+03	-2.107E-07	-1.405E-06	1.571E+00	1.027E+03	-7.478E+03	2.096E-01
204	3	12910.74	-125.95	39.75	1	3.865E-15	3.865E-15	-5.402E-07	1.910E+03	-1.304E+04	2.771E+02	5.402E-07	-5.402E-07	-7.854E-01	1.915E+03	-1.305E+04	1.853E-02
204	4	12901.24	-136.45	39.75	1	1.405E-06	2.107E-07	1.973E-14	3.975E+03	-5.683E+03	1.167E+03	1.405E-06	2.107E-07	1.653E-08	4.114E+03	-5.822E+03	1.186E-01
205	1	12709.74	-60.35	39.75	1	1.054E-07	7.025E-07	-1.096E-14	-4.091E+04	-5.331E+02	-2.885E+03	7.025E-07	1.054E-07	1.571E+00	-3.280E+02	-4.111E+04	1.642E+00
205	2	12719.24	-100.58	39.75	1	-1.164E-14	-1.164E-14	-7.049E-08	-2.674E+04	-3.852E+03	1.369E+02	7.049E-08	-7.049E-08	-7.854E-01	-3.852E+03	-2.674E+04	1.565E+00
205	3	12728.74	-60.35	39.75	1	-1.054E-07	-7.025E-07	-2.970E-15	-4.082E+04	-1.395E+03	8.799E+02	-1.054E-07	-7.025E-07	-4.974E-09	-1.375E+03	-4.084E+04	1.548E+00
205	4	12719.24	-20.12	39.75	1	-1.208E-14	-1.208E-14	7.049E-08	-5.510E+04	7.930E+02	5.150E+02	7.049E-08	-7.049E-08	7.854E-01	7.978E+02	-5.510E+04	1.562E+00
206	1	12747.08	-60.35	39.75	1	3.685E-08	2.456E-07	2.082E-15	-4.182E+04	-3.926E+03	1.388E+03	2.456E-07	3.685E-08	1.571E+00	-3.876E+03	-4.187E+04	1.534E+00
206	2	12774.24	-100.58	39.75	1	-6.396E-15	-6.396E-15	-7.049E-08	-2.069E+04	-1.597E+04	2.144E+03	7.049E-08	-7.049E-08	-7.854E-01	-1.514E+04	-2.152E+04	1.202E+00
206	3	12801.41	-60.35	39.75	1	-3.685E-08	-2.456E-07	-2.567E-16	-4.003E+04	-2.100E+04	1.408E+03	-3.685E-08	-2.456E-07	-1.230E-09	-2.090E+04	-4.013E+04	1.497E+00
206	4	12774.24	-20.12	39.75	1	-1.365E-15	-1.365E-15	7.049E-08	-5.855E+04	-1.690E+04	1.869E+03	7.049E-08	-7.049E-08	7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
207	1	12828.58	-60.35	39.75	1	3.685E-08	2.456E-07	-9.250E-15	-4.003E+04	-2.100E+04	1.408E+03	2.456E-07	3.685E-08	1.571E+00	-2.090E+04	-4.013E+04	1.497E+00
207	2	12855.74	-100.58	39.75	1	2.608E-15	2.608E-15	-7.049E-08	-2.069E+04	-1.597E+04	-2.144E+03	7.049E-08	-7.049E-08	-7.854E-01	-1.514E+04	-2.152E+04	1.939E+00
207	3	12882.91	-60.35	39.75	1	-3.685E-08	-2.456E-07	-7.348E-15	-4.182E+04	-3.926E+03	-1.388E+03	-3.685E-08	-2.456E-07	-3.519E-08	-3.876E+03	-4.187E+04	1.607E+00
207	4	12855.74	-20.12	39.75	1	-4.950E-15	-4.950E-15	7.049E-08	-5.855E+04	-1.690E+04	1.869E+03	7.049E-08	-7.049E-08	7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
208	1	12901.24	-60.35	39.75	1	1.054E-07	7.025E-07	3.553E-15	-4.082E+04	-1.395E+03	-8.799E+02	7.025E-07	1.054E-07	1.571E+00	-1.375E+03	-4.084E+04	1.593E+00
208	2	12910.74	-100.58	39.75	1	5.357E-15	5.357E-15	-7.049E-08	-2.674E+04	-3.852E+03	-1.369E+02	7.049E-08	-7.049E-08	-7.854E-01	-3.852E+03	-2.674E+04	1.577E+00
208	3	12920.24	-60.35	39.75	1	-1.054E-07	-7.025E-07	-1.027E-14	-4.091E+04	-5.331E+02	2.885E+03	-1.054E-07	-7.025E-07	-1.720E-08	-3.280E+02	-4.111E+04	1.500E+00
208	4	12910.74	-20.12	39.75	1	1.103E-14	1.103E-14	7.049E-08	-5.510E+04	7.930E+02	5.150E+02	7.049E-08	-7.049E-08	7.854E-01	7.978E+02	-5.510E+04	1.562E+00
209	1	12709.74	60.35	39.75	1	-1.054E-07	-7.025E-07	3.775E-15	-4.091E+04	-5.331E+02	2.885E+03	-1.054E-07	-7.025E-07	6.322E-09	-3.280E+02	-4.111E+04	1.500E+00
209	2	12719.24	20.12	39.75	1	-3.971E-15	-3.971E-15	7.049E-08	-5.510E+04	7.930E+02	5.150E+02	7.049E-08	-7.049E-08	7.854E-01	7.978E+02	-5.510E+04	1.562E+00
209	3	12728.74	60.35	39.75	1	1.054E-07	7.025E-07	9.520E-15	-4.082E+04	-1.395E+03	-8.799E+02	7.025E-07	1.054E-07	1.571E+00	-1.375E+03	-4.084E+04	1.593E+00
209	4	12719.24	100.58	39.75	1	2.116E-15	2.116E-15	-7.049E-08	-2.674E+04	-3.852E+03	-1.369E+02	7.049E-08	-7.049E-08	-7.854E-01	-3.852E+03	-2.674E+04	1.577E+00
210	1	12747.08	60.35	39.75	1	-3.685E-08	-2.456E-07	2.261E-14	-4.182E+04	-3.926E+03	-1.388E+03	-3.685E-08	-2.456E-07	1.083E-07	-3.876E+03	-4.187E+04	1.607E+00
210	2	12774.24	20.12	39.75	1	7.375E-15	7.375E-15	7.049E-08	-5.855E+04	-1.690E+04	1.869E+03	7.049E-08	-7.049E-08	7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
210	3	12801.41	60.35	39.75	1	3.685E-08	2.456E-07	2.216E-14	-4.003E+04	-2.100E+04	1.408E+03	2.456E-07	3.685E-08	1.571E+00	-2.090E+04	-4.013E+04	1.497E+00
210	4	12774.24	100.58	39.75	1	4.062E-15	4.062E-15	-7.049E-08	-2.069E+04	-1.597E+04	-2.144E+03	7.049E-08	-7.049E-08	-7.854E-01	-1.514E+04	-2.152E+04	1.939E+00
211	1	12828.58	60.35	39.75	1	-3.685E-08	-2.456E-07	1.137E-14	-4.003E+04	-2.100E+04	1.408E+03	-3.685E-08	-2.456E-07	5.443E-08	-2.090E+04	-4.013E+04	1.497E+00
211	2	12855.74	20.12	39.75	1	8.223E-16	8.223E-16	7.049E-08	-5.855E+04	-1.690E+04	1.869E+03	7.049E-08	-7.049E-08	7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
211	3	12882.91	60.35	39.75	1	3.685E-08	2.456E-07	9.708E-15	-4.182E+04	-3.926E+03	1.388E+03	2.456E-07	3.685E-08	1.571E+00	-3.876E+03	-4.187E+04	1.534E+00
211	4	12855.74	100.58	39.75	1	5.558E-15	5.558E-15	-7.049E-08	-2.069E+04	-1.597E+04	2.144E+03	7.049E-08	-7.049E-08	-7.854E-01	-1.514E+04	-2.152E+04	1.202E+00

212	1	12901.24	60.35	39.75	1	-1.054E-07	-7.025E-07	1.041E-14	-4.082E+04	-1.395E+03	8.799E+02	-1.054E-07	-7.025E-07	1.743E-08	-1.375E+03	-4.084E+04	1.548E+00
212	2	12910.74	20.12	39.75	1	7.890E-15	7.890E-15	7.049E-08	-5.510E+04	7.930E+02	5.150E+02	7.049E-08	-7.049E-08	7.854E-01	7.978E+02	-5.510E+04	1.562E+00
212	3	12920.24	60.35	39.75	1	1.054E-07	7.025E-07	-4.718E-15	-4.091E+04	-5.331E+02	-2.885E+03	7.025E-07	1.054E-07	1.571E+00	-3.280E+02	-4.111E+04	1.642E+00
212	4	12910.74	100.58	39.75	1	5.081E-15	5.081E-15	-7.049E-08	-2.674E+04	-3.852E+03	1.369E+02	7.049E-08	-7.049E-08	-7.854E-01	-3.852E+03	-2.674E+04	1.565E+00
213	1	12719.24	125.95	39.75	1	2.018E-14	2.098E-14	-5.402E-07	1.910E+03	-1.304E+04	2.771E+02	5.402E-07	-5.402E-07	-7.854E-01	1.915E+03	-1.305E+04	1.853E-02
213	2	12728.74	136.45	39.75	1	1.405E-06	2.107E-07	1.127E-14	3.975E+03	-5.683E+03	1.167E+03	1.405E-06	2.107E-07	9.436E-09	4.114E+03	-5.822E+03	1.186E-01
213	3	12719.24	146.95	39.75	1	1.587E-14	1.587E-14	5.402E-07	2.242E+03	6.155E+02	9.194E+02	5.402E-07	-5.402E-07	7.854E-01	2.656E+03	2.012E+02	4.233E-01
213	4	12709.74	136.45	39.75	1	-1.405E-06	-2.107E-07	4.691E-15	6.590E+02	-7.110E+03	1.731E+03	-2.107E-07	-1.405E-06	1.571E+00	1.027E+03	-7.478E+03	2.096E-01
214	1	12774.24	125.95	39.75	1	4.274E-15	-1.943E-15	-5.402E-07	-4.499E+03	-9.826E+03	2.038E+03	5.402E-07	-5.402E-07	-7.854E-01	-3.809E+03	-1.052E+04	3.266E-01
214	2	12801.41	136.45	39.75	1	4.913E-07	7.369E-08	-1.089E-14	-7.973E+03	-7.642E+03	-6.831E+02	4.913E-07	7.369E-08	-2.607E-08	-7.104E+03	-8.510E+03	2.238E+00
214	3	12774.24	146.95	39.75	1	-1.849E-15	-1.849E-15	5.402E-07	-4.286E+03	-3.046E+03	1.522E+03	5.402E-07	-5.402E-07	7.854E-01	-2.022E+03	-5.310E+03	9.789E-01
214	4	12747.08	136.45	39.75	1	-4.913E-07	-7.369E-08	-7.702E-16	-8.147E+02	-7.591E+03	2.141E+03	-7.369E-08	-4.913E-07	1.571E+00	-1.947E+02	-8.210E+03	2.818E-01
215	1	12855.74	125.95	39.75	1	-2.429E-16	6.439E-15	-5.402E-07	-4.499E+03	-9.826E+03	-2.038E+03	5.402E-07	-5.402E-07	-7.854E-01	-3.809E+03	-1.052E+04	-3.266E-01
215	2	12882.91	136.45	39.75	1	4.913E-07	7.369E-08	2.491E-15	-8.147E+02	-7.591E+03	-2.141E+03	4.913E-07	7.369E-08	5.965E-09	-1.947E+02	-8.210E+03	-2.818E-01
215	3	12855.74	146.95	39.75	1	6.880E-15	6.880E-15	5.402E-07	-4.286E+03	-3.046E+03	-1.522E+03	5.402E-07	-5.402E-07	7.854E-01	-2.022E+03	-5.310E+03	2.163E+00
215	4	12828.58	136.45	39.75	1	-4.913E-07	-7.369E-08	-3.657E-15	-7.973E+03	-7.642E+03	-6.831E+02	-7.369E-08	-4.913E-07	1.571E+00	-7.104E+03	-8.510E+03	2.238E+00
216	1	12910.74	125.95	39.75	1	-7.702E-15	3.098E-14	-5.402E-07	1.910E+03	-1.304E+04	-2.771E+02	5.402E-07	-5.402E-07	-7.854E-01	1.915E+03	-1.305E+04	-1.853E-02
216	2	12920.24	136.45	39.75	1	1.405E-06	2.107E-07	2.329E-14	6.590E+02	-7.110E+03	-1.731E+03	1.405E-06	2.107E-07	1.950E-08	1.027E+03	-7.478E+03	-2.096E-01
216	3	12910.74	146.95	39.75	1	1.223E-14	1.223E-14	5.402E-07	2.242E+03	6.155E+02	-9.194E+02	5.402E-07	-5.402E-07	7.854E-01	2.656E+03	2.012E+02	-4.233E-01
216	4	12901.24	136.45	39.75	1	-1.405E-06	-2.107E-07	2.862E-14	3.975E+03	-5.683E+03	-1.167E+03	-2.107E-07	-1.405E-06	1.571E+00	4.114E+03	-5.822E+03	-1.186E-01
217	1	12719.24	157.45	39.75	1	1.328E-14	1.299E-14	-5.402E-07	2.988E+03	2.553E+03	1.535E+03	5.402E-07	-5.402E-07	-7.854E-01	4.321E+03	1.221E+03	7.149E-01
217	2	12728.74	167.95	39.75	1	1.405E-06	2.107E-07	4.330E-15	4.083E+03	1.716E+03	8.664E+02	1.405E-06	2.107E-07	3.626E-09	4.366E+03	1.433E+03	3.160E-01
217	3	12719.24	178.45	39.75	1	1.606E-14	1.606E-14	5.402E-07	2.045E+03	5.099E+02	1.153E+03	5.402E-07	-5.402E-07	7.854E-01	2.663E+03	-1.079E+02	4.918E-01
217	4	12709.74	167.95	39.75	1	-1.405E-06	-2.107E-07	-5.829E-16	3.463E+02	1.807E+03	1.247E+03	-2.107E-07	-1.405E-06	1.571E+00	2.522E+03	-3.688E+02	1.050E+00
218	1	12774.24	157.45	39.75	1	-5.038E-15	-1.832E-15	-5.402E-07	-3.879E+03	-7.686E+02	1.173E+03	5.402E-07	-5.402E-07	-7.854E-01	-3.761E+02	-4.272E+03	1.248E+00
218	2	12801.41	167.95	39.75	1	4.913E-07	7.369E-08	-9.492E-15	-8.512E+03	-1.248E+03	-1.569E+02	4.913E-07	7.369E-08	-2.273E-08	-1.245E+03	-8.516E+03	1.592E+00
218	3	12774.24	178.45	39.75	1	-8.389E-15	-8.389E-15	5.402E-07	-3.956E+03	-2.896E+02	2.746E+02	5.402E-07	-5.402E-07	7.854E-01	-2.691E+02	-3.977E+03	1.496E+00
218	4	12747.08	167.95	39.75	1	-4.913E-07	-7.369E-08	3.469E-15	6.767E+02	-1.808E+02	4.224E+02	-7.369E-08	-4.913E-07	1.571E+00	8.498E+02	-3.539E+02	3.890E-01
219	1	12855.74	157.45	39.75	1	3.275E-15	-4.080E-15	-5.402E-07	-3.879E+03	-7.686E+02	-1.173E+03	5.402E-07	-5.402E-07	-7.854E-01	-3.761E+02	-4.272E+03	1.894E+00
219	2	12882.91	167.95	39.75	1	4.913E-07	7.369E-08	-5.482E-15	6.767E+02	-1.808E+02	-4.224E+02	4.913E-07	7.369E-08	-1.313E-08	8.498E+02	-3.539E+02	-3.890E-01
219	3	12855.74	178.45	39.75	1	-3.782E-16	-3.782E-16	5.402E-07	-3.956E+03	-2.896E+02	-2.746E+02	5.402E-07	-5.402E-07	7.854E-01	-2.691E+02	-3.977E+03	1.645E+00
219	4	12828.58	167.95	39.75	1	-4.913E-07	-7.369E-08	1.485E-15	-8.512E+03	-1.248E+03	-1.569E+02	-7.369E-08	-4.913E-07	1.571E+00	-1.245E+03	-8.516E+03	1.592E+00
220	1	12910.74	157.45	39.75	1	5.260E-15	1.621E-14	-5.402E-07	2.988E+03	2.553E+03	-1.535E+03	5.402E-07	-5.402E-07	-7.854E-01	4.321E+03	1.221E+03	-7.149E-01
220	2	12920.24	167.95	39.75	1	1.405E-06	2.107E-07	2.787E-14	3.463E+02	1.807E+03	-1.247E+03	1.405E-06	2.107E-07	2.334E-08	2.522E+03	-3.688E+02	2.091E+00
220	3	12910.74	178.45	39.75	1	2.109E-14	2.109E-14	5.402E-07	2.045E+03	5.099E+02	-1.153E+03	5.402E-07	-5.402E-07	7.854E-01	2.663E+03	-1.079E+02	-4.918E-01
220	4	12901.24	167.95	39.75	1	-1.405E-06	-2.107E-07	2.234E-14	4.083E+03	1.716E+03	-8.664E+02	-2.107E-07	-1.405E-06	1.571E+00	4.366E+03	1.433E+03	-3.160E-01
221	1	15272.74	-167.95	42.30	1	-9.756E-01	1.041E-02	-5.184E-01	1.903E+03	4.215E+02	1.229E+03	2.328E-01	-1.198E+00	1.976E+00	2.597E+03	-2.728E+02	5.142E-01
221	2	15282.24	-178.45	42.30	1	-2.744E-02	-8.315E-01	-3.892E-01	4.464E+02	1.841E+03	1.115E+03	1.301E-01	-9.890E-01	-3.846E-01	2.459E+03	-1.713E+02	1.065E+00
221	3	15291.74	-167.95	42.30	1	6.276E-01	-4.633E-01	-7.836E-01	1.453E+03	3.733E+03	7.955E+02	1.037E+00	-8.726E-01	-4.813E-01	3.983E+03	1.203E+03	1.266E+00
221	4	15282.24	-157.45	42.30	1	-3.206E-01	3.786E-01	-9.128E-01	2.475E+03	2.884E+03	1.693E+03	1.006E+00	-9.484E-01	2.173E+00	4.385E+03	9.740E+02	8.455E-01
222	1	15310.08	-167.95	42.30	1	7.652E-01	4.538E-01	5.721E-01	-3.718E+02	4.155E+02	3.238E+02	1.202E+00	1.662E-02	6.526E-01	5.316E+02	-4.878E+02	1.227E+00
222	2	15337.24	-178.45	42.30	1	-9.838E-03	6.174E-01	7.525E-01	-2.495E+02	-3.951E+03	1.370E+02	1.119E+00	-5.114E-01	9.828E-01	-2.444E+02	-3.956E+03	3.694E-02
222	3	15364.41	-167.95	42.30	1	-6.455E-01	4.532E-01	9.326E-01	-9.893E+02	-8.267E+03	9.967E+01	9.862E-01	-1.179E+00	1.052E+00	-9.879E+02	-8.269E+03	1.369E-02

222	4	15337.24	-157.45	42.30	1	1.295E-01	2.896E-01	7.522E-01	-7.501E+02	-3.900E+03	8.933E+02	9.660E-01	-5.469E-01	8.384E-01	-5.144E+02	-4.136E+03	2.579E-01
223	1	15391.58	-167.95	42.30	1	-6.461E-01	4.491E-01	-9.323E-01	-9.916E+02	-8.266E+03	8.086E+01	9.827E-01	-1.180E+00	2.091E+00	-9.907E+02	-8.267E+03	1.111E-02
223	2	15418.74	-178.45	42.30	1	-3.150E-03	6.080E-01	-7.580E-01	-2.551E+02	-3.959E+03	-1.194E+02	1.120E+00	-5.148E-01	2.165E+00	-2.512E+02	-3.963E+03	-3.220E-02
223	3	15445.91	-167.95	42.30	1	7.747E-01	4.498E-01	-5.834E-01	-3.843E+02	4.011E+02	-3.116E+02	1.218E+00	6.631E-03	-6.496E-01	5.097E+02	-4.929E+02	1.906E+00
223	4	15418.74	-157.45	42.30	1	1.317E-01	2.908E-01	-7.577E-01	-7.570E+02	-3.905E+03	-8.722E+02	9.732E-01	-5.506E-01	2.304E+00	-5.315E+02	-4.131E+03	-2.530E-01
224	1	15464.24	-167.95	42.30	1	6.360E-01	-4.745E-01	8.021E-01	1.438E+03	3.711E+03	-7.856E+02	1.056E+00	-8.948E-01	4.826E-01	3.956E+03	1.193E+03	1.873E+00
224	2	15473.74	-178.45	42.30	1	-3.130E-02	-8.508E-01	3.999E-01	4.436E+02	1.825E+03	-1.111E+03	1.315E-01	-1.014E+00	3.866E-01	2.442E+03	-1.735E+02	2.078E+00
224	3	15483.24	-167.95	42.30	1	-9.979E-01	8.286E-03	5.313E-01	1.903E+03	4.238E+02	-1.225E+03	2.369E-01	-1.226E+00	1.164E+00	2.594E+03	-2.673E+02	-5.137E-01
224	4	15473.74	-157.45	42.30	1	-3.305E-01	3.845E-01	9.335E-01	2.465E+03	2.878E+03	-1.696E+03	1.027E+00	-9.726E-01	9.683E-01	4.380E+03	9.621E+02	2.296E+00
225	1	15282.24	-146.95	42.30	1	2.479E-02	-2.679E+00	8.203E-01	2.339E+03	1.677E+03	-1.073E+03	2.542E-01	-2.908E+00	2.727E-01	3.131E+03	8.858E+02	-6.358E-01
225	2	15291.74	-136.45	42.30	1	2.937E-01	-3.690E+00	4.804E-01	4.198E+03	-4.377E+03	-1.098E+03	3.508E-01	-3.747E+00	1.183E-01	4.337E+03	-4.515E+03	-1.253E-01
225	3	15282.24	-125.95	42.30	1	-3.963E-02	-2.663E+00	1.547E-01	2.066E+03	-1.197E+04	-2.290E+02	-3.055E-02	-2.672E+00	5.868E-02	2.070E+03	-1.197E+04	-1.631E-02
225	4	15272.74	-136.45	42.30	1	-3.085E-01	-1.652E+00	4.945E-01	5.294E+02	-6.161E+03	-1.693E+03	-1.461E-01	-1.815E+00	3.173E-01	9.333E+02	-6.565E+03	-2.342E-01
226	1	15337.24	-146.95	42.30	1	-3.217E-03	-1.823E+00	-7.008E-01	-4.192E+03	-2.281E+03	-1.277E+03	2.354E-01	-2.061E+00	-3.282E-01	-1.641E+03	-4.831E+03	2.035E+00
226	2	15364.41	-136.45	42.30	1	-3.274E-02	1.197E-01	-7.346E-01	-7.978E+03	-7.202E+03	-6.547E+02	7.820E-01	-6.950E-01	2.305E+00	-6.829E+03	-8.351E+03	2.089E+00
226	3	15337.24	-125.95	42.30	1	-6.405E-02	-1.797E+00	-7.015E-01	-4.428E+03	-9.097E+03	-2.010E+03	1.843E-01	-2.045E+00	-3.403E-01	-3.682E+03	-9.843E+03	-3.554E-01
226	4	15310.08	-136.45	42.30	1	-3.453E-02	-3.739E+00	-6.676E-01	-6.429E+02	-6.283E+03	-2.083E+03	8.211E-02	-3.856E+00	-1.730E-01	4.269E+01	-6.969E+03	-3.180E-01
227	1	15418.74	-146.95	42.30	1	-8.527E-03	-1.864E+00	7.067E-01	-4.192E+03	-2.258E+03	1.259E+03	2.299E-01	-2.103E+00	3.255E-01	-1.638E+03	-4.812E+03	1.113E+00
227	2	15445.91	-136.45	42.30	1	-3.789E-02	-3.823E+00	6.757E-01	-6.378E+02	-6.233E+03	2.075E+03	7.912E-02	-3.940E+00	1.715E-01	4.761E+01	-6.919E+03	3.191E-01
227	3	15418.74	-125.95	42.30	1	-6.541E-02	-1.840E+00	7.074E-01	-4.425E+03	-9.075E+03	2.003E+03	1.820E-01	-2.087E+00	3.365E-01	-3.681E+03	-9.819E+03	3.556E-01
227	4	15391.58	-136.45	42.30	1	-3.605E-02	1.192E-01	7.383E-01	-7.980E+03	-7.201E+03	-6.413E+02	7.839E-01	-7.008E-01	8.378E-01	-6.840E+03	-8.341E+03	2.083E+00
228	1	15473.74	-146.95	42.30	1	2.250E-02	-2.744E+00	-8.429E-01	2.343E+03	1.720E+03	1.076E+03	2.591E-01	-2.981E+00	-2.736E-01	3.151E+03	9.117E+02	6.447E-01
228	2	15483.24	-136.45	42.30	1	-3.151E-01	-1.700E+00	-5.112E-01	5.247E+02	-6.124E+03	1.687E+03	-1.469E-01	-1.868E+00	-3.180E-01	9.281E+02	-6.527E+03	2.348E-01
228	3	15473.74	-125.95	42.30	1	-4.023E-02	-2.729E+00	-1.658E-01	2.074E+03	-1.193E+04	2.241E+02	-3.004E-02	-2.739E+00	-6.137E-02	2.078E+03	-1.193E+04	1.600E-02
228	4	15464.24	-136.45	42.30	1	2.974E-01	-3.773E+00	-4.975E-01	4.208E+03	-4.326E+03	1.089E+03	3.573E-01	-3.833E+00	-1.199E-01	4.344E+03	-4.463E+03	1.250E-01
229	1	15272.74	-60.35	42.30	1	-1.626E+00	5.179E-02	-3.942E-03	-4.002E+04	-5.111E+02	-2.908E+03	5.180E-02	-1.626E+00	1.573E+00	-2.982E+02	-4.023E+04	1.644E+00
229	2	15282.24	-100.58	42.30	1	-1.595E+00	1.206E-01	4.044E-02	-2.582E+04	-3.819E+03	1.055E+02	1.215E-01	-1.596E+00	1.547E+00	-3.819E+03	-2.582E+04	1.566E+00
229	3	15291.74	-60.35	42.30	1	-1.578E+00	3.009E-02	-7.107E-03	-3.995E+04	-1.396E+03	8.700E+02	3.012E-02	-1.578E+00	1.575E+00	-1.377E+03	-3.997E+04	1.548E+00
229	4	15282.24	-20.12	42.30	1	-1.609E+00	-3.871E-02	-5.149E-02	-5.425E+04	8.010E+02	-5.190E+02	-3.702E-02	-1.610E+00	1.604E+00	8.058E+02	-5.425E+04	1.580E+00
230	1	15310.08	-60.35	42.30	1	-1.578E+00	3.146E-02	1.708E-01	-4.094E+04	-3.911E+03	1.380E+03	4.939E-02	-1.596E+00	1.466E+00	-3.860E+03	-4.099E+04	1.534E+00
230	2	15337.24	-100.58	42.30	1	-1.297E+00	1.093E-02	3.351E-01	-1.983E+04	-1.597E+04	2.149E+03	9.177E-02	-1.378E+00	1.334E+00	-1.501E+04	-2.079E+04	1.152E+00
230	3	15364.41	-60.35	42.30	1	-9.904E-01	-1.785E-01	1.884E-01	-3.918E+04	-2.113E+04	1.392E+03	-1.368E-01	-1.032E+00	1.354E+00	-2.102E+04	-3.928E+04	1.494E+00
230	4	15337.24	-20.12	42.30	1	-1.271E+00	-1.579E-01	2.420E-02	-5.770E+04	-1.692E+04	-1.857E+03	-1.574E-01	-1.271E+00	1.549E+00	-1.684E+04	-5.779E+04	1.616E+00
231	1	15391.58	-60.35	42.30	1	-9.913E-01	-1.841E-01	-1.899E-01	-3.918E+04	-2.114E+04	1.397E+03	-1.417E-01	-1.034E+00	1.791E+00	-2.103E+04	-3.928E+04	1.494E+00
231	2	15418.74	-100.58	42.30	1	-1.317E+00	1.296E-02	-3.467E-01	-1.982E+04	-1.597E+04	-2.137E+03	9.789E-02	-1.402E+00	1.811E+00	-1.502E+04	-2.077E+04	1.989E+00
231	3	15445.91	-60.35	42.30	1	-1.617E+00	3.971E-02	-1.721E-01	-4.093E+04	-3.905E+03	-1.383E+03	5.739E-02	-1.635E+00	1.673E+00	-3.853E+03	-4.098E+04	1.608E+00
231	4	15418.74	-20.12	42.30	1	-1.291E+00	-1.574E-01	-1.524E-02	-5.770E+04	-1.692E+04	-1.857E+03	-1.572E-01	-1.291E+00	1.584E+00	-1.683E+04	-5.779E+04	1.616E+00
232	1	15464.24	-60.35	42.30	1	-1.619E+00	2.960E-02	1.096E-02	-3.993E+04	-1.397E+03	-8.657E+02	2.967E-02	-1.619E+00	1.564E+00	-1.377E+03	-3.995E+04	1.593E+00
232	2	15473.74	-100.58	42.30	1	-1.640E+00	1.230E-01	-4.469E-02	-2.580E+04	-3.819E+03	-1.045E+02	1.242E-01	-1.642E+00	1.596E+00	-3.818E+03	-2.580E+04	1.576E+00
232	3	15483.24	-60.35	42.30	1	-1.676E+00	5.512E-02	7.757E-03	-4.001E+04	-5.075E+02	2.914E+03	5.516E-02	-1.676E+00	1.566E+00	-2.936E+02	-4.022E+04	1.498E+00
232	4	15473.74	-20.12	42.30	1	-1.654E+00	-3.832E-02	6.341E-02	-5.424E+04	8.044E+02	-5.206E+02	-3.583E-02	-1.657E+00	1.532E+00	8.094E+02	-5.425E+04	1.580E+00
233	1	15272.74	60.35	42.30	1	-1.626E+00	5.179E-02	3.942E-03	-4.002E+04	-5.111E+02	2.908E+03	5.180E-02	-1.626E+00	1.568E+00	-2.982E+02	-4.023E+04	1.498E+00
233	2	15282.24	20.12	42.30	1	-1.609E+00	-3.871E-02	5.149E-02	-5.425E+04	8.010E+02	-5.190E+02	-3.702E-02	-1.610E+00	1.538E+00	8.058E+02	-5.425E+04	1.580E+00

233	3	15291.74	60.35	42.30	1	-1.578E+00	3.009E-02	7.107E-03	-3.995E+04	-1.396E+03	-8.700E+02	3.012E-02	-1.578E+00	1.566E+00	-1.377E+03	-3.997E+04	1.593E+00
233	4	15282.24	100.58	42.30	1	-1.595E+00	1.206E-01	-4.044E-02	-2.582E+04	-3.819E+03	-1.055E+02	1.215E-01	-1.596E+00	1.594E+00	-3.819E+03	-2.582E+04	1.576E+00
234	1	15310.08	60.35	42.30	1	-1.578E+00	3.146E-02	-1.708E-01	-4.094E+04	-3.911E+03	-1.380E+03	4.939E-02	-1.596E+00	1.675E+00	-3.860E+03	-4.099E+04	1.608E+00
234	2	15337.24	20.12	42.30	1	-1.271E+00	-1.579E-01	-2.420E-02	-5.770E+04	-1.692E+04	-1.857E+03	-1.574E-01	-1.271E+00	1.593E+00	-1.684E+04	-5.779E+04	1.616E+00
234	3	15364.41	60.35	42.30	1	-9.904E-01	-1.785E-01	-1.884E-01	-3.918E+04	-2.113E+04	-1.392E+03	-1.368E-01	-1.032E+00	1.788E+00	-2.102E+04	-3.928E+04	1.647E+00
234	4	15337.24	100.58	42.30	1	-1.297E+00	1.093E-02	-3.351E-01	-1.983E+04	-1.597E+04	-2.149E+03	9.177E-02	-1.378E+00	1.808E+00	-1.501E+04	-2.079E+04	1.990E+00
235	1	15391.58	60.35	42.30	1	-9.913E-01	-1.841E-01	1.899E-01	-3.918E+04	-2.114E+04	-1.397E+03	-1.417E-01	-1.034E+00	1.351E+00	-2.103E+04	-3.928E+04	1.648E+00
235	2	15418.74	20.12	42.30	1	-1.291E+00	-1.574E-01	1.524E-02	-5.770E+04	-1.692E+04	-1.857E+03	-1.572E-01	-1.291E+00	1.557E+00	-1.683E+04	-5.779E+04	1.616E+00
235	3	15445.91	60.35	42.30	1	-1.617E+00	3.971E-02	1.721E-01	-4.093E+04	-3.905E+03	1.383E+03	5.739E-02	-1.635E+00	1.468E+00	-3.853E+03	-4.098E+04	1.534E+00
235	4	15418.74	100.58	42.30	1	-1.317E+00	1.296E-02	3.467E-01	-1.982E+04	-1.597E+04	2.137E+03	9.789E-02	-1.402E+00	1.331E+00	-1.502E+04	-2.077E+04	1.152E+00
236	1	15464.24	60.35	42.30	1	-1.619E+00	2.960E-02	-1.096E-02	-3.993E+04	-1.397E+03	8.657E+02	2.967E-02	-1.619E+00	1.577E+00	-1.377E+03	-3.995E+04	1.548E+00
236	2	15473.74	20.12	42.30	1	-1.654E+00	-3.832E-02	-6.341E-02	-5.424E+04	8.044E+02	-5.206E+02	-3.583E-02	-1.657E+00	1.610E+00	8.094E+02	-5.425E+04	1.580E+00
236	3	15483.24	60.35	42.30	1	-1.676E+00	5.512E-02	-7.757E-03	-4.001E+04	-5.075E+02	-2.914E+03	5.516E-02	-1.676E+00	1.575E+00	-2.936E+02	-4.022E+04	1.644E+00
236	4	15473.74	100.58	42.30	1	-1.640E+00	1.230E-01	4.469E-02	-2.580E+04	-3.819E+03	1.045E+02	1.242E-01	-1.642E+00	1.545E+00	-3.818E+03	-2.580E+04	1.566E+00
237	1	15282.24	125.95	42.30	1	-3.963E-02	-2.663E+00	-1.547E-01	2.066E+03	-1.197E+04	2.290E+02	-3.055E-02	-2.672E+00	-5.868E-02	2.070E+03	-1.197E+04	1.631E-02
237	2	15291.74	136.45	42.30	1	2.937E-01	-3.690E+00	-4.804E-01	4.198E+03	-4.377E+03	1.098E+03	3.508E-01	-3.747E+00	-1.183E-01	4.337E+03	-4.515E+03	1.253E-01
237	3	15282.24	146.95	42.30	1	2.479E-02	-2.679E+00	-8.203E-01	2.339E+03	1.677E+03	1.073E+03	2.542E-01	-2.908E+00	-2.727E-01	3.131E+03	8.858E+02	6.358E-01
237	4	15272.74	136.45	42.30	1	-3.085E-01	-1.652E+00	-4.945E-01	5.294E+02	-6.161E+03	1.693E+03	-1.461E-01	-1.815E+00	-3.173E-01	9.333E+02	-6.565E+03	2.342E-01
238	1	15337.24	125.95	42.30	1	-6.405E-02	-1.797E+00	7.015E-01	-4.428E+03	-9.097E+03	2.010E+03	1.843E-01	-2.045E+00	3.403E-01	-3.682E+03	-9.843E+03	3.554E-01
238	2	15364.41	136.45	42.30	1	-3.274E-02	1.197E-01	7.346E-01	-7.978E+03	-7.202E+03	6.547E+02	7.820E-01	-6.950E-01	8.371E-01	-6.829E+03	-8.351E+03	1.053E+00
238	3	15337.24	146.95	42.30	1	-3.217E-03	-1.823E+00	7.008E-01	-4.192E+03	-2.281E+03	1.277E+03	2.354E-01	-2.061E+00	3.282E-01	-1.641E+03	-4.831E+03	1.107E+00
238	4	15310.08	136.45	42.30	1	-3.453E-02	-3.739E+00	6.676E-01	-6.429E+02	-6.283E+03	2.083E+03	8.211E-02	-3.856E+00	1.730E-01	4.269E+01	-6.969E+03	3.180E-01
239	1	15418.74	125.95	42.30	1	-6.541E-02	-1.840E+00	-7.074E-01	-4.425E+03	-9.075E+03	-2.003E+03	1.820E-01	-2.087E+00	-3.365E-01	-3.681E+03	-9.819E+03	-3.556E-01
239	2	15445.91	136.45	42.30	1	-3.789E-02	-3.823E+00	-6.757E-01	-6.378E+02	-6.233E+03	-2.075E+03	7.912E-02	-3.940E+00	-1.715E-01	4.761E+01	-6.919E+03	-3.191E-01
239	3	15418.74	146.95	42.30	1	-8.527E-03	-1.864E+00	-7.067E-01	-4.192E+03	-2.258E+03	-1.259E+03	2.299E-01	-2.103E+00	-3.255E-01	-1.638E+03	-4.812E+03	2.029E+00
239	4	15391.58	136.45	42.30	1	-3.605E-02	1.192E-01	-7.383E-01	-7.980E+03	-7.201E+03	6.413E+02	7.839E-01	-7.008E-01	2.304E+00	-6.840E+03	-8.341E+03	1.058E+00
240	1	15473.74	125.95	42.30	1	-4.023E-02	-2.729E+00	1.658E-01	2.074E+03	-1.193E+04	-2.241E+02	-3.004E-02	-2.739E+00	6.137E-02	2.078E+03	-1.193E+04	-1.600E-02
240	2	15483.24	136.45	42.30	1	-3.151E-01	-1.700E+00	5.112E-01	5.247E+02	-6.124E+03	-1.687E+03	-1.469E-01	-1.868E+00	3.180E-01	9.281E+02	-6.527E+03	-2.348E-01
240	3	15473.74	146.95	42.30	1	2.250E-02	-2.744E+00	8.429E-01	2.343E+03	1.720E+03	-1.076E+03	2.591E-01	-2.981E+00	2.736E-01	3.151E+03	9.117E+02	-6.447E-01
240	4	15464.24	136.45	42.30	1	2.974E-01	-3.773E+00	4.975E-01	4.208E+03	-4.326E+03	-1.089E+03	3.573E-01	-3.833E+00	1.199E-01	4.344E+03	-4.463E+03	-1.250E-01
241	1	15282.24	157.45	42.30	1	3.786E-01	-3.206E-01	-9.128E-01	2.884E+03	2.475E+03	1.693E+03	1.006E+00	-9.484E-01	-6.025E-01	4.385E+03	9.740E+02	7.253E-01
241	2	15291.74	167.95	42.30	1	-4.633E-01	6.276E-01	-7.836E-01	3.733E+03	1.453E+03	7.955E+02	1.037E+00	-8.726E-01	2.052E+00	3.983E+03	1.203E+03	3.046E-01
241	3	15282.24	178.45	42.30	1	-8.315E-01	-2.744E-02	-3.892E-01	1.841E+03	4.464E+02	1.115E+03	1.301E-01	-9.890E-01	1.955E+00	2.459E+03	-1.713E+02	5.059E-01
241	4	15272.74	167.95	42.30	1	1.041E-02	-9.756E-01	-5.184E-01	4.215E+02	1.903E+03	1.229E+03	2.328E-01	-1.198E+00	-4.052E-01	2.597E+03	-2.728E+02	1.057E+00
242	1	15337.24	157.45	42.30	1	2.896E-01	1.295E-01	7.522E-01	-3.900E+03	-7.501E+02	8.933E+02	9.660E-01	-5.469E-01	7.324E-01	-5.144E+02	-4.136E+03	1.313E+00
242	2	15364.41	167.95	42.30	1	4.532E-01	-6.455E-01	9.326E-01	-8.267E+03	-9.893E+02	9.967E+01	9.862E-01	-1.179E+00	5.192E-01	-9.879E+02	-8.269E+03	1.557E+00
242	3	15337.24	178.45	42.30	1	6.174E-01	-9.838E-03	7.525E-01	-3.951E+03	-2.495E+02	1.370E+02	1.119E+00	-5.114E-01	5.880E-01	-2.444E+02	-3.956E+03	1.534E+00
242	4	15310.08	167.95	42.30	1	4.538E-01	7.652E-01	5.721E-01	4.155E+02	-3.718E+02	3.238E+02	1.202E+00	1.662E-02	9.182E-01	5.316E+02	-4.878E+02	3.442E-01
243	1	15418.74	157.45	42.30	1	2.908E-01	1.317E-01	-7.577E-01	-3.905E+03	-7.570E+02	-8.722E+02	9.732E-01	-5.506E-01	-7.331E-01	-5.315E+02	-4.131E+03	1.824E+00
243	2	15445.91	167.95	42.30	1	4.498E-01	7.747E-01	-5.834E-01	4.011E+02	-3.843E+02	-3.116E+02	1.218E+00	6.631E-03	2.220E+00	5.097E+02	-4.929E+02	-3.353E-01
243	3	15418.74	178.45	42.30	1	6.080E-01	-3.150E-03	-7.580E-01	-3.959E+03	-2.551E+02	-1.194E+02	1.120E+00	-5.148E-01	-5.938E-01	-2.512E+02	-3.963E+03	1.603E+00
243	4	15391.58	167.95	42.30	1	4.491E-01	-6.461E-01	-9.323E-01	-8.266E+03	-9.916E+02	8.086E+01	9.827E-01	-1.180E+00	-5.199E-01	-9.907E+02	-8.267E+03	1.560E+00
244	1	15473.74	157.45	42.30	1	3.845E-01	-3.305E-01	9.335E-01	2.878E+03	2.465E+03	-1.696E+03	1.027E+00	-9.726E-01	6.025E-01	4.380E+03	9.621E+02	-7.248E-01

244	2	15483.24	167.95	42.30	1	8.286E-03	-9.979E-01	5.313E-01	4.238E+02	1.903E+03	-1.225E+03	2.369E-01	-1.226E+00	4.063E-01	2.594E+03	-2.673E+02	2.085E+00
244	3	15473.74	178.45	42.30	1	-8.508E-01	-3.130E-02	3.999E-01	1.825E+03	4.436E+02	-1.111E+03	1.315E-01	-1.014E+00	1.184E+00	2.442E+03	-1.735E+02	-5.072E-01
244	4	15464.24	167.95	42.30	1	-4.745E-01	6.360E-01	8.021E-01	3.711E+03	1.438E+03	-7.856E+02	1.056E+00	-8.948E-01	1.088E+00	3.956E+03	1.193E+03	-3.024E-01
245	1	17835.74	-167.95	44.85	1	-6.344E-14	-3.764E-13	-2.441E-15	1.789E+03	3.410E+02	1.234E+03	-6.342E-14	-3.764E-13	0.000E+00	2.495E+03	-3.653E+02	5.200E-01
245	2	17845.24	-178.45	44.85	1	-1.224E-13	1.351E-13	1.577E-29	5.074E+02	2.022E+03	1.142E+03	1.351E-13	-1.224E-13	1.571E+00	2.635E+03	-1.055E+02	1.078E+00
245	3	17854.74	-167.95	44.85	1	3.767E-13	5.644E-14	-3.922E-29	1.704E+03	4.060E+03	8.441E+02	3.767E-13	5.644E-14	0.000E+00	4.331E+03	1.432E+03	1.260E+00
245	4	17845.24	-157.45	44.85	1	-1.344E-13	1.353E-13	-1.652E-29	2.528E+03	2.979E+03	1.518E+03	1.353E-13	-1.344E-13	1.571E+00	4.288E+03	1.219E+03	8.592E-01
246	1	17873.08	-167.95	44.85	1	-2.165E-14	-1.169E-13	5.120E-15	-1.977E+02	6.466E+02	3.948E+02	-2.138E-14	-1.171E-13	0.000E+00	8.025E+02	-3.535E+02	1.195E+00
246	2	17900.24	-178.45	44.85	1	-1.322E-13	1.241E-13	1.569E-29	-3.002E+02	-3.999E+03	2.401E+02	1.241E-13	-1.322E-13	1.571E+00	-2.847E+02	-4.014E+03	6.455E-02
246	3	17927.41	-167.95	44.85	1	1.262E-13	1.452E-14	-1.367E-29	-1.262E+03	-8.562E+03	-1.907E+02	1.262E-13	1.452E-14	0.000E+00	-1.257E+03	-8.567E+03	-2.609E-02
246	4	17900.24	-157.45	44.85	1	-1.337E-13	1.363E-13	-1.654E-29	-7.822E+02	-3.916E+03	1.139E+03	1.363E-13	-1.337E-13	1.571E+00	-4.122E+02	-4.286E+03	3.142E-01
247	1	17954.58	-167.95	44.85	1	-2.183E-14	-1.240E-13	-1.035E-14	-1.251E+03	-8.570E+03	-1.972E+02	-2.079E-14	-1.251E-13	0.000E+00	-1.245E+03	-8.575E+03	-2.691E-02
247	2	17981.74	-178.45	44.85	1	-1.212E-13	1.200E-13	1.477E-29	-2.826E+02	-3.963E+03	-3.127E+02	1.200E-13	-1.212E-13	1.571E+00	-2.562E+02	-3.989E+03	-8.417E-02
247	3	18008.91	-167.95	44.85	1	1.260E-13	2.453E-14	-1.243E-29	-1.655E+02	7.168E+02	-4.555E+02	1.260E-13	2.453E-14	0.000E+00	9.098E+02	-3.585E+02	1.971E+00
247	4	17981.74	-157.45	44.85	1	-1.436E-13	1.412E-13	-1.744E-29	-7.642E+02	-3.890E+03	-1.222E+03	1.412E-13	-1.436E-13	1.571E+00	-3.433E+02	-4.311E+03	-3.317E-01
248	1	18027.24	-167.95	44.85	1	-5.292E-14	-4.332E-13	5.985E-16	1.751E+03	4.159E+03	-8.999E+02	-5.292E-14	-4.332E-13	0.000E+00	4.458E+03	1.452E+03	1.892E+00
248	2	18036.74	-178.45	44.85	1	-1.454E-13	1.537E-13	1.831E-29	5.189E+02	2.095E+03	-1.180E+03	1.537E-13	-1.454E-13	1.571E+00	2.726E+03	-1.115E+02	2.062E+00
248	3	18046.24	-167.95	44.85	1	3.490E-13	5.576E-14	-3.591E-29	1.849E+03	3.561E+02	-1.277E+03	3.490E-13	5.576E-14	0.000E+00	2.582E+03	-3.768E+02	-5.209E-01
248	4	18036.74	-157.45	44.85	1	-1.746E-13	1.203E-13	-1.806E-29	2.611E+03	3.036E+03	-1.571E+03	1.203E-13	-1.746E-13	1.571E+00	4.409E+03	1.239E+03	2.289E+00
249	1	17845.24	-146.95	44.85	1	6.246E-15	9.335E-15	-1.567E-13	2.232E+03	5.878E+02	-9.139E+02	1.645E-13	-1.489E-13	1.571E+00	2.639E+03	1.806E+02	-4.191E-01
249	2	17854.74	-136.45	44.85	1	4.875E-14	4.057E-13	2.186E-29	3.964E+03	-5.724E+03	-1.142E+03	4.057E-13	4.875E-14	1.571E+00	4.097E+03	-5.857E+03	-1.158E-01
249	3	17845.24	-125.95	44.85	1	1.323E-13	-1.084E-13	-2.948E-29	1.909E+03	-1.308E+04	-2.629E+02	1.323E-13	-1.084E-13	0.000E+00	1.914E+03	-1.309E+04	-1.753E-02
249	4	17835.74	-136.45	44.85	1	-3.772E-13	-3.355E-14	-2.104E-29	6.647E+02	-7.141E+03	-1.712E+03	-3.355E-14	-3.772E-13	1.571E+00	1.024E+03	-7.500E+03	-2.067E-01
250	1	17900.24	-146.95	44.85	1	1.241E-14	-2.086E-15	-1.495E-13	-4.327E+03	-3.082E+03	-1.487E+03	1.548E-13	-1.445E-13	0.000E+00	-2.092E+03	-5.316E+03	2.158E+00
250	2	17927.41	-136.45	44.85	1	1.763E-14	1.398E-13	7.482E-30	-8.023E+03	-7.693E+03	7.044E+02	1.398E-13	1.763E-14	1.571E+00	-7.134E+03	-8.581E+03	9.003E-01
250	3	17900.24	-125.95	44.85	1	1.501E-13	-1.347E-13	-3.488E-29	-4.535E+03	-9.874E+03	-2.005E+03	1.501E-13	-1.347E-13	0.000E+00	-3.866E+03	-1.054E+04	-3.221E-01
250	4	17873.08	-136.45	44.85	1	-1.114E-13	-2.347E-14	-5.384E-30	-8.401E+02	-7.639E+03	-2.110E+03	-2.347E-14	-1.114E-13	1.571E+00	-2.384E+02	-8.241E+03	-2.778E-01
251	1	17981.74	-146.95	44.85	1	-4.915E-15	2.947E-16	-1.488E-13	-4.299E+03	-3.048E+03	1.578E+03	1.465E-13	-1.511E-13	1.571E+00	-1.976E+03	-5.371E+03	9.741E-01
251	2	18008.91	-136.45	44.85	1	2.691E-14	1.255E-13	6.035E-30	-7.982E+02	-7.638E+03	2.197E+03	1.255E-13	2.691E-14	1.571E+00	-1.534E+02	-8.282E+03	2.855E-01
251	3	17981.74	-125.95	44.85	1	1.473E-13	-1.521E-13	-3.666E-29	-4.520E+03	-9.902E+03	2.097E+03	1.473E-13	-1.521E-13	0.000E+00	-3.799E+03	-1.062E+04	3.310E-01
251	4	17954.58	-136.45	44.85	1	-1.384E-13	-2.370E-14	-7.026E-30	-8.022E+03	-7.687E+03	7.320E+02	-2.370E-14	-1.384E-13	1.571E+00	-7.103E+03	-8.605E+03	8.980E-01
252	1	18036.74	-146.95	44.85	1	-5.105E-14	1.374E-14	-1.489E-13	2.281E+03	6.523E+02	9.504E+02	1.337E-13	-1.710E-13	1.571E+00	2.719E+03	2.151E+02	4.311E-01
252	2	18046.24	-136.45	44.85	1	7.109E-14	3.767E-13	1.871E-29	6.612E+02	-7.169E+03	1.772E+03	3.767E-13	7.109E-14	1.571E+00	1.044E+03	-7.552E+03	2.126E-01
252	3	18036.74	-125.95	44.85	1	1.551E-13	-1.589E-13	-3.845E-29	1.934E+03	-1.317E+04	2.950E+02	1.551E-13	-1.589E-13	0.000E+00	1.940E+03	-1.317E+04	1.952E-02
252	4	18027.24	-136.45	44.85	1	-4.333E-13	-5.644E-14	-2.308E-29	4.037E+03	-5.714E+03	1.207E+03	-5.644E-14	-4.333E-13	1.571E+00	4.184E+03	-5.861E+03	1.214E-01
253	1	17835.74	-60.35	44.85	1	-1.959E-15	-1.884E-13	1.448E-15	-4.104E+04	-5.152E+02	-2.931E+03	-1.948E-15	-1.884E-13	0.000E+00	-3.043E+02	-4.125E+04	1.643E+00
253	2	17845.24	-100.58	44.85	1	5.558E-15	3.735E-14	1.947E-30	-2.684E+04	-3.879E+03	9.927E+01	3.735E-14	5.558E-15	1.571E+00	-3.878E+03	-2.684E+04	1.566E+00
253	3	17854.74	-60.35	44.85	1	2.167E-13	4.361E-14	-2.119E-29	-4.096E+04	-1.402E+03	8.358E+02	2.167E-13	4.361E-14	0.000E+00	-1.385E+03	-4.098E+04	1.550E+00
253	4	17845.24	-20.12	44.85	1	-2.905E-14	2.498E-14	-3.309E-30	-5.527E+04	8.291E+02	-5.307E+02	2.498E-14	-2.905E-14	1.571E+00	8.341E+02	-5.528E+04	1.580E+00
254	1	17873.08	-60.35	44.85	1	3.949E-15	-9.526E-14	1.182E-14	-4.196E+04	-3.890E+03	1.296E+03	5.338E-15	-9.665E-14	0.000E+00	-3.846E+03	-4.200E+04	1.537E+00
254	2	17900.24	-100.58	44.85	1	-2.412E-14	3.612E-14	3.689E-30	-2.084E+04	-1.608E+04	2.042E+03	3.612E-14	-2.412E-14	1.571E+00	-1.532E+04	-2.160E+04	1.216E+00
254	3	17927.41	-60.35	44.85	1	5.440E-14	-1.733E-14	-8.785E-30	-4.025E+04	-2.099E+04	-1.571E+03	5.440E-14	-1.733E-14	0.000E+00	-2.087E+04	-4.038E+04	1.652E+00
254	4	17900.24	-20.12	44.85	1	-7.258E-14	8.436E-15	-4.961E-30	-5.876E+04	-1.675E+04	-1.897E+03	8.436E-15	-7.258E-14	1.571E+00	-1.667E+04	-5.884E+04	1.616E+00



255	1	17954.58	-60.35	44.85	1	-2.482E-14	-5.816E-14	4.935E-15	-4.030E+04	-2.127E+04	-1.521E+03	-2.411E-14	-5.887E-14	0.000E+00	-2.115E+04	-4.042E+04	1.650E+00
255	2	17981.74	-100.58	44.85	1	-3.294E-14	2.320E-14	3.437E-30	-2.080E+04	-1.605E+04	-2.275E+03	2.320E-14	-3.294E-14	1.571E+00	-1.514E+04	-2.172E+04	1.952E+00
255	3	18008.91	-60.35	44.85	1	8.698E-14	1.574E-14	-8.724E-30	-4.220E+04	-4.011E+03	-1.402E+03	8.698E-14	1.574E-14	0.000E+00	-3.959E+03	-4.225E+04	1.607E+00
255	4	17981.74	-20.12	44.85	1	-1.813E-14	4.063E-14	-3.597E-30	-5.906E+04	-1.725E+04	1.829E+03	4.063E-14	-1.813E-14	1.571E+00	-1.717E+04	-5.914E+04	1.527E+00
256	1	18027.24	-60.35	44.85	1	-3.046E-14	-2.164E-13	1.270E-14	-4.118E+04	-1.404E+03	-9.368E+02	-2.960E-14	-2.173E-13	0.000E+00	-1.382E+03	-4.121E+04	1.594E+00
256	2	18036.74	-100.58	44.85	1	-3.030E-14	8.958E-15	2.404E-30	-2.697E+04	-3.873E+03	-1.776E+02	8.958E-15	-3.030E-14	1.571E+00	-3.871E+03	-2.697E+04	1.578E+00
256	3	18046.24	-60.35	44.85	1	1.895E-13	1.422E-14	-2.146E-29	-4.128E+04	-5.580E+02	2.873E+03	1.895E-13	1.422E-14	0.000E+00	-3.564E+02	-4.149E+04	1.501E+00
256	4	18036.74	-20.12	44.85	1	-2.877E-14	4.810E-15	-2.056E-30	-5.561E+04	7.660E+02	-5.126E+02	4.810E-15	-2.877E-14	1.571E+00	7.706E+02	-5.561E+04	1.580E+00
257	1	17835.74	60.35	44.85	1	4.344E-14	1.315E-13	-3.071E-15	-4.104E+04	-5.152E+02	2.931E+03	1.316E-13	4.333E-14	1.571E+00	-3.043E+02	-4.125E+04	1.499E+00
257	2	17845.24	20.12	44.85	1	-4.344E-14	2.692E-14	4.308E-30	-5.527E+04	8.291E+02	-5.307E+02	2.692E-14	-4.344E-14	1.571E+00	8.341E+02	-5.528E+04	1.580E+00
257	3	17854.74	60.35	44.85	1	-1.993E-14	-2.167E-13	-2.410E-29	-4.096E+04	-1.402E+03	-8.358E+02	-1.993E-14	-2.167E-13	0.000E+00	-1.385E+03	-4.098E+04	1.592E+00
257	4	17845.24	100.58	44.85	1	-5.492E-14	1.802E-14	-4.466E-30	-2.684E+04	-3.879E+03	-9.927E+01	1.802E-14	-5.492E-14	1.571E+00	-3.878E+03	-2.684E+04	1.575E+00
258	1	17873.08	60.35	44.85	1	2.140E-14	5.273E-14	-1.721E-14	-4.196E+04	-3.890E+03	-1.296E+03	6.033E-14	1.380E-14	1.571E+00	-3.846E+03	-4.200E+04	1.605E+00
258	2	17900.24	20.12	44.85	1	-7.962E-14	4.263E-14	7.485E-30	-5.876E+04	-1.675E+04	-1.897E+03	4.263E-14	-7.962E-14	1.571E+00	-1.667E+04	-5.884E+04	1.616E+00
258	3	17927.41	60.35	44.85	1	3.235E-14	-8.808E-14	-1.475E-29	-4.025E+04	-2.099E+04	-1.211E+03	3.235E-14	-8.808E-14	0.000E+00	-2.092E+04	-4.032E+04	1.633E+00
258	4	17900.24	100.58	44.85	1	6.549E-15	4.943E-14	-2.626E-30	-2.084E+04	-1.608E+04	-2.042E+03	4.943E-14	6.549E-15	1.571E+00	-1.532E+04	-2.160E+04	1.925E+00
259	1	17954.58	60.35	44.85	1	4.774E-14	8.382E-14	-7.418E-14	-4.030E+04	-2.127E+04	-1.262E+03	1.421E-13	-1.057E-14	1.571E+00	-2.119E+04	-4.038E+04	1.637E+00
259	2	17981.74	20.12	44.85	1	-4.538E-14	1.302E-13	1.075E-29	-5.906E+04	-1.725E+04	1.829E+03	1.302E-13	-4.538E-14	1.571E+00	-1.717E+04	-5.914E+04	1.527E+00
259	3	18008.91	60.35	44.85	1	8.941E-14	-9.234E-14	-2.226E-29	-4.220E+04	-4.011E+03	1.402E+03	8.941E-14	-9.234E-14	0.000E+00	-3.959E+03	-4.225E+04	1.534E+00
259	4	17981.74	100.58	44.85	1	-3.993E-14	9.152E-14	-8.049E-30	-2.080E+04	-1.605E+04	2.275E+03	9.152E-14	-3.993E-14	1.571E+00	-1.514E+04	-2.172E+04	1.189E+00
260	1	18027.24	60.35	44.85	1	8.833E-14	1.547E-13	-3.192E-14	-4.118E+04	-1.404E+03	9.368E+02	1.676E-13	7.547E-14	1.571E+00	-1.382E+03	-4.121E+04	1.547E+00
260	2	18036.74	20.12	44.85	1	-2.113E-14	8.840E-14	6.707E-30	-5.561E+04	7.660E+02	-5.126E+02	8.840E-14	-2.113E-14	1.571E+00	7.706E+02	-5.561E+04	1.580E+00
260	3	18046.24	60.35	44.85	1	5.232E-14	-1.424E-13	-2.384E-29	-4.128E+04	-5.580E+02	-2.873E+03	5.232E-14	-1.424E-13	0.000E+00	-3.564E+02	-4.149E+04	1.641E+00
260	4	18036.74	100.58	44.85	1	8.494E-15	1.054E-13	-5.933E-30	-2.697E+04	-3.873E+03	1.776E+02	1.054E-13	8.494E-15	1.571E+00	-3.871E+03	-2.697E+04	1.563E+00
261	1	17845.24	125.95	44.85	1	-6.263E-14	-1.566E-14	1.555E-13	1.909E+03	-1.308E+04	2.629E+02	1.181E-13	-1.964E-13	1.571E+00	1.914E+03	-1.309E+04	1.753E-02
261	2	17854.74	136.45	44.85	1	-4.064E-13	-7.000E-14	2.060E-29	3.964E+03	-5.724E+03	1.142E+03	-7.000E-14	-4.064E-13	1.571E+00	4.097E+03	-5.857E+03	1.158E-01
261	3	17845.24	146.95	44.85	1	1.125E-13	-1.449E-13	-3.153E-29	2.232E+03	5.878E+02	9.139E+02	1.125E-13	-1.449E-13	0.000E+00	2.639E+03	1.806E+02	4.191E-01
261	4	17835.74	136.45	44.85	1	2.655E-14	3.765E-13	-2.143E-29	6.647E+02	-7.141E+03	1.712E+03	3.765E-13	2.655E-14	1.571E+00	1.024E+03	-7.500E+03	2.067E-01
262	1	17900.24	125.95	44.85	1	3.576E-14	-2.810E-14	1.333E-13	-4.535E+03	-9.874E+03	2.005E+03	1.409E-13	-1.333E-13	0.000E+00	-3.866E+03	-1.054E+04	3.221E-01
262	2	17927.41	136.45	44.85	1	-1.398E-13	-2.733E-14	6.887E-30	-8.023E+03	-7.693E+03	6.431E+02	-2.733E-14	-1.398E-13	1.571E+00	-7.194E+03	-8.522E+03	9.109E-01
262	3	17900.24	146.95	44.85	1	1.315E-13	-1.564E-13	-3.526E-29	-4.327E+03	-3.082E+03	1.487E+03	1.315E-13	-1.564E-13	0.000E+00	-2.092E+03	-5.316E+03	9.836E-01
262	4	17873.08	136.45	44.85	1	7.584E-16	1.399E-13	-8.521E-30	-8.401E+02	-7.639E+03	2.110E+03	1.399E-13	7.584E-16	1.571E+00	-2.384E+02	-8.241E+03	2.778E-01
263	1	17981.74	125.95	44.85	1	1.017E-17	7.128E-14	1.662E-13	-4.520E+03	-9.902E+03	-2.097E+03	2.056E-13	-1.343E-13	1.571E+00	-3.799E+03	-1.062E+04	-3.310E-01
263	2	18008.91	136.45	44.85	1	-1.247E-13	1.480E-13	1.670E-29	-7.982E+02	-7.638E+03	-2.197E+03	1.480E-13	-1.247E-13	1.571E+00	-1.534E+02	-8.282E+03	-2.855E-01
263	3	17981.74	146.95	44.85	1	1.407E-13	-6.002E-14	-2.458E-29	-4.299E+03	-3.048E+03	-1.578E+03	1.407E-13	-6.002E-14	0.000E+00	-1.976E+03	-5.371E+03	2.167E+00
263	4	17954.58	136.45	44.85	1	-1.021E-14	1.381E-13	-9.081E-30	-8.022E+03	-7.687E+03	6.154E+02	1.381E-13	-1.021E-14	1.571E+00	-7.216E+03	-8.492E+03	9.184E-01
264	1	18036.74	125.95	44.85	1	8.021E-14	3.453E-13	1.335E-13	1.934E+03	-1.317E+04	-2.950E+02	4.009E-13	2.461E-14	1.571E+00	1.940E+03	-1.317E+04	-1.952E-02
264	2	18046.24	136.45	44.85	1	-3.239E-13	4.788E-13	4.915E-29	6.612E+02	-7.169E+03	-1.772E+03	4.788E-13	-3.239E-13	1.571E+00	1.044E+03	-7.552E+03	-2.126E-01
264	3	18036.74	146.95	44.85	1	3.732E-13	3.998E-14	-4.080E-29	2.281E+03	6.523E+02	-9.504E+02	3.732E-13	3.998E-14	0.000E+00	2.719E+03	2.151E+02	-4.311E-01
264	4	18027.24	136.45	44.85	1	1.972E-13	4.985E-13	-1.845E-29	4.037E+03	-5.714E+03	-1.207E+03	4.985E-13	1.972E-13	1.571E+00	4.184E+03	-5.861E+03	-1.214E-01
265	1	17845.24	157.45	44.85	1	2.598E-15	-2.321E-14	1.278E-13	2.979E+03	2.528E+03	1.518E+03	1.182E-13	-1.388E-13	0.000E+00	4.288E+03	1.219E+03	7.116E-01
265	2	17854.74	167.95	44.85	1	-3.491E-13	-5.192E-14	1.820E-29	4.060E+03	1.704E+03	8.441E+02	-5.192E-14	-3.491E-13	1.571E+00	4.331E+03	1.432E+03	3.108E-01
265	3	17845.24	178.45	44.85	1	1.168E-13	-1.869E-13	-3.720E-29	2.022E+03	5.074E+02	1.142E+03	1.168E-13	-1.869E-13	0.000E+00	2.635E+03	-1.055E+02	4.926E-01

265	4	17835.74	167.95	44.85	1	2.050E-14	3.197E-13	-1.832E-29	3.410E+02	1.789E+03	1.234E+03	3.197E-13	2.050E-14	1.571E+00	2.495E+03	-3.653E+02	1.051E+00
266	1	17900.24	157.45	44.85	1	-2.102E-14	-9.105E-15	1.194E-13	-3.916E+03	-7.822E+02	1.139E+03	1.045E-13	-1.346E-13	1.571E+00	-4.122E+02	-4.286E+03	1.257E+00
266	2	17927.41	167.95	44.85	1	-1.580E-13	-1.912E-14	8.501E-30	-8.562E+03	-1.262E+03	1.186E+02	-1.912E-14	-1.580E-13	1.571E+00	-1.260E+03	-8.564E+03	1.555E+00
266	3	17900.24	178.45	44.85	1	1.405E-13	-1.760E-13	-3.875E-29	-3.999E+03	-3.002E+02	2.401E+02	1.405E-13	-1.760E-13	0.000E+00	-2.847E+02	-4.014E+03	1.506E+00
266	4	17873.08	167.95	44.85	1	8.238E-15	1.086E-13	-6.146E-30	6.466E+02	-1.977E+02	3.948E+02	1.086E-13	8.238E-15	1.571E+00	8.025E+02	-3.535E+02	3.760E-01
267	1	17981.74	157.45	44.85	1	5.108E-15	-2.551E-14	1.133E-13	-3.890E+03	-7.642E+02	-1.222E+03	1.041E-13	-1.245E-13	0.000E+00	-3.433E+02	-4.311E+03	1.903E+00
267	2	18008.91	167.95	44.85	1	-2.444E-13	6.713E-14	1.907E-29	7.168E+02	-1.655E+02	-4.555E+02	6.713E-14	-2.444E-13	1.571E+00	9.098E+02	-3.585E+02	-4.007E-01
267	3	17981.74	178.45	44.85	1	1.479E-13	-2.485E-13	-4.855E-29	-3.963E+03	-2.826E+02	-3.127E+02	1.479E-13	-2.485E-13	0.000E+00	-2.562E+02	-3.989E+03	1.655E+00
267	4	17954.58	167.95	44.85	1	-2.330E-14	7.653E-14	-6.113E-30	-8.570E+03	-1.251E+03	1.121E+02	7.653E-14	-2.330E-14	1.571E+00	-1.249E+03	-8.572E+03	1.555E+00
268	1	18036.74	157.45	44.85	1	8.268E-14	4.684E-13	1.619E-13	3.036E+03	2.611E+03	-1.571E+03	5.274E-13	2.376E-14	1.571E+00	4.409E+03	1.239E+03	-7.181E-01
268	2	18046.24	167.95	44.85	1	-5.952E-13	9.154E-13	9.249E-29	3.561E+02	1.849E+03	-1.277E+03	9.154E-13	-5.952E-13	1.571E+00	2.582E+03	-3.768E+02	2.092E+00
268	3	18036.74	178.45	44.85	1	5.727E-13	-2.523E-13	-1.010E-28	2.095E+03	5.189E+02	-1.180E+03	5.727E-13	-2.523E-13	0.000E+00	2.726E+03	-1.115E+02	-4.909E-01
268	4	18027.24	167.95	44.85	1	1.000E-14	5.191E-13	-3.117E-29	4.159E+03	1.751E+03	-8.999E+02	5.191E-13	1.000E-14	1.571E+00	4.458E+03	1.452E+03	-3.210E-01
269	1	20398.74	-167.95	47.40	1	-9.877E-01	1.053E-02	-5.248E-01	1.928E+03	4.270E+02	1.245E+03	2.357E-01	-1.213E+00	1.976E+00	2.631E+03	-2.762E+02	5.142E-01
269	2	20408.24	-178.45	47.40	1	-2.778E-02	-8.418E-01	-3.940E-01	4.522E+02	1.865E+03	1.129E+03	1.317E-01	-1.001E+00	-3.846E-01	2.490E+03	-1.734E+02	1.065E+00
269	3	20417.74	-167.95	47.40	1	6.354E-01	-4.691E-01	-7.933E-01	1.472E+03	3.781E+03	8.058E+02	1.050E+00	-8.834E-01	-4.813E-01	4.034E+03	1.219E+03	1.266E+00
269	4	20408.24	-157.45	47.40	1	-3.245E-01	3.833E-01	-9.241E-01	2.507E+03	2.921E+03	1.715E+03	1.019E+00	-9.602E-01	2.173E+00	4.441E+03	9.870E+02	8.454E-01
270	1	20436.07	-167.95	47.40	1	7.747E-01	4.595E-01	5.792E-01	-3.757E+02	4.224E+02	3.281E+02	1.217E+00	1.682E-02	6.526E-01	5.400E+02	-4.933E+02	1.227E+00
270	2	20463.24	-178.45	47.40	1	-9.961E-03	6.251E-01	7.618E-01	-2.526E+02	-4.000E+03	1.390E+02	1.133E+00	-5.178E-01	9.828E-01	-2.475E+02	-4.005E+03	3.702E-02
270	3	20490.41	-167.95	47.40	1	-6.535E-01	4.588E-01	9.442E-01	-1.002E+03	-8.371E+03	1.011E+02	9.985E-01	-1.193E+00	1.052E+00	-1.000E+03	-8.372E+03	1.371E-02
270	4	20463.24	-157.45	47.40	1	1.311E-01	2.932E-01	7.616E-01	-7.589E+02	-3.949E+03	9.050E+02	9.781E-01	-5.537E-01	8.384E-01	-5.200E+02	-4.187E+03	2.581E-01
271	1	20517.57	-167.95	47.40	1	-6.541E-01	4.547E-01	-9.439E-01	-1.004E+03	-8.370E+03	8.200E+01	9.950E-01	-1.194E+00	2.091E+00	-1.003E+03	-8.371E+03	1.113E-02
271	2	20544.74	-178.45	47.40	1	-3.188E-03	6.156E-01	-7.674E-01	-2.583E+02	-4.008E+03	-1.212E+02	1.134E+00	-5.212E-01	2.165E+00	-2.544E+02	-4.012E+03	-3.228E-02
271	3	20571.91	-167.95	47.40	1	7.843E-01	4.554E-01	-5.906E-01	-3.884E+02	4.078E+02	-3.157E+02	1.233E+00	6.713E-03	-6.496E-01	5.178E+02	-4.984E+02	1.906E+00
271	4	20544.74	-157.45	47.40	1	1.333E-01	2.945E-01	-7.671E-01	-7.659E+02	-3.953E+03	-8.837E+02	9.853E-01	-5.575E-01	2.304E+00	-5.373E+02	-4.182E+03	-2.531E-01
272	1	20590.24	-167.95	47.40	1	6.439E-01	-4.804E-01	8.120E-01	1.457E+03	3.759E+03	-7.958E+02	1.069E+00	-9.059E-01	4.826E-01	4.007E+03	1.208E+03	1.873E+00
272	2	20599.74	-178.45	47.40	1	-3.169E-02	-8.613E-01	4.048E-01	4.494E+02	1.849E+03	-1.125E+03	1.331E-01	-1.026E+00	3.866E-01	2.474E+03	-1.755E+02	2.078E+00
272	3	20609.24	-167.95	47.40	1	-1.010E+00	8.389E-03	5.379E-01	1.928E+03	4.292E+02	-1.240E+03	2.398E-01	-1.242E+00	1.164E+00	2.628E+03	-2.706E+02	-5.137E-01
272	4	20599.74	-157.45	47.40	1	-3.347E-01	3.893E-01	9.451E-01	2.497E+03	2.915E+03	-1.718E+03	1.039E+00	-9.847E-01	9.683E-01	4.436E+03	9.750E+02	2.296E+00
273	1	20408.24	-146.95	47.40	1	2.510E-02	-2.712E+00	8.305E-01	2.370E+03	1.700E+03	-1.086E+03	2.573E-01	-2.944E+00	2.727E-01	3.172E+03	8.979E+02	-6.359E-01
273	2	20417.74	-136.45	47.40	1	2.973E-01	-3.736E+00	4.864E-01	4.252E+03	-4.432E+03	-1.112E+03	3.552E-01	-3.794E+00	1.183E-01	4.392E+03	-4.573E+03	-1.254E-01
273	3	20408.24	-125.95	47.40	1	-4.013E-02	-2.696E+00	1.566E-01	2.092E+03	-1.212E+04	-2.321E+02	-3.093E-02	-2.706E+00	5.868E-02	2.095E+03	-1.213E+04	-1.632E-02
273	4	20398.74	-136.45	47.40	1	-3.124E-01	-1.673E+00	5.007E-01	5.356E+02	-6.239E+03	-1.714E+03	-1.480E-01	-1.837E+00	3.173E-01	9.445E+02	-6.647E+03	-2.342E-01
274	1	20463.24	-146.95	47.40	1	-3.257E-03	-1.845E+00	-7.095E-01	-4.244E+03	-2.310E+03	-1.294E+03	2.383E-01	-2.087E+00	-3.282E-01	-1.661E+03	-4.892E+03	2.035E+00
274	2	20490.41	-136.45	47.40	1	-3.314E-02	1.212E-01	-7.437E-01	-8.077E+03	-7.292E+03	-6.633E+02	7.917E-01	-7.037E-01	2.305E+00	-6.914E+03	-8.456E+03	2.089E+00
274	3	20463.24	-125.95	47.40	1	-6.485E-02	-1.819E+00	-7.102E-01	-4.482E+03	-9.211E+03	-2.036E+03	1.866E-01	-2.071E+00	-3.403E-01	-3.727E+03	-9.967E+03	-3.554E-01
274	4	20436.07	-136.45	47.40	1	-3.496E-02	-3.786E+00	-6.759E-01	-6.498E+02	-6.363E+03	-2.110E+03	8.313E-02	-3.904E+00	-1.730E-01	4.481E+01	-7.057E+03	-3.181E-01
275	1	20544.74	-146.95	47.40	1	-8.633E-03	-1.887E+00	7.154E-01	-4.244E+03	-2.287E+03	1.275E+03	2.328E-01	-2.129E+00	3.255E-01	-1.658E+03	-4.873E+03	1.113E+00
275	2	20571.91	-136.45	47.40	1	-3.836E-02	-3.871E+00	6.841E-01	-6.446E+02	-6.312E+03	2.102E+03	8.010E-02	-3.989E+00	1.715E-01	4.979E+01	-7.006E+03	3.191E-01
275	3	20544.74	-125.95	47.40	1	-6.623E-02	-1.863E+00	7.162E-01	-4.479E+03	-9.189E+03	2.029E+03	1.843E-01	-2.113E+00	3.365E-01	-3.726E+03	-9.943E+03	3.556E-01
275	4	20517.57	-136.45	47.40	1	-3.650E-02	1.207E-01	7.475E-01	-8.080E+03	-7.291E+03	-6.496E+02	7.937E-01	-7.095E-01	8.378E-01	-6.925E+03	-8.445E+03	2.083E+00
276	1	20599.74	-146.95	47.40	1	2.278E-02	-2.778E+00	-8.533E-01	2.373E+03	1.743E+03	1.089E+03	2.623E-01	-3.018E+00	-2.736E-01	3.192E+03	9.241E+02	6.448E-01
276	2	20609.24	-136.45	47.40	1	-3.190E-01	-1.721E+00	-5.176E-01	5.308E+02	-6.201E+03	1.708E+03	-1.487E-01	-1.891E+00	-3.180E-01	9.392E+02	-6.610E+03	2.348E-01

276	3	20599.74	-125.95	47.40	1	-4.073E-02	-2.763E+00	-1.679E-01	2.100E+03	-1.208E+04	2.271E+02	-3.041E-02	-2.773E+00	-6.137E-02	2.103E+03	-1.209E+04	1.601E-02
276	4	20590.24	-136.45	47.40	1	3.011E-01	-3.820E+00	-5.037E-01	4.261E+03	-4.381E+03	1.103E+03	3.618E-01	-3.880E+00	-1.199E-01	4.400E+03	-4.520E+03	1.250E-01
277	1	20398.74	-60.35	47.40	1	-1.646E+00	5.244E-02	-3.991E-03	-4.052E+04	-5.179E+02	-2.943E+03	5.245E-02	-1.646E+00	1.573E+00	-3.026E+02	-4.073E+04	1.644E+00
277	2	20408.24	-100.58	47.40	1	-1.615E+00	1.221E-01	4.094E-02	-2.615E+04	-3.865E+03	1.083E+02	1.231E-01	-1.616E+00	1.547E+00	-3.865E+03	-2.615E+04	1.566E+00
277	3	20417.74	-60.35	47.40	1	-1.597E+00	3.046E-02	-7.195E-03	-4.044E+04	-1.413E+03	8.825E+02	3.049E-02	-1.597E+00	1.575E+00	-1.393E+03	-4.046E+04	1.548E+00
277	4	20408.24	-20.12	47.40	1	-1.629E+00	-3.919E-02	-5.213E-02	-5.492E+04	8.100E+02	-5.248E+02	-3.748E-02	-1.630E+00	1.604E+00	8.150E+02	-5.493E+04	1.580E+00
278	1	20436.07	-60.35	47.40	1	-1.597E+00	3.185E-02	1.729E-01	-4.145E+04	-3.959E+03	1.394E+03	5.001E-02	-1.615E+00	1.466E+00	-3.907E+03	-4.150E+04	1.534E+00
278	2	20463.24	-100.58	47.40	1	-1.313E+00	1.107E-02	3.392E-01	-2.008E+04	-1.616E+04	2.179E+03	9.291E-02	-1.395E+00	1.334E+00	-1.519E+04	-2.105E+04	1.152E+00
278	3	20490.41	-60.35	47.40	1	-1.003E+00	-1.807E-01	1.908E-01	-3.966E+04	-2.139E+04	1.408E+03	-1.385E-01	-1.045E+00	1.354E+00	-2.128E+04	-3.977E+04	1.494E+00
278	4	20463.24	-20.12	47.40	1	-1.287E+00	-1.599E-01	2.450E-02	-5.842E+04	-1.713E+04	1.878E+03	-1.594E-01	-1.287E+00	1.549E+00	-1.704E+04	-5.850E+04	1.525E+00
279	1	20517.57	-60.35	47.40	1	-1.004E+00	-1.864E-01	-1.922E-01	-3.966E+04	-2.139E+04	1.413E+03	-1.434E-01	-1.047E+00	1.791E+00	-2.128E+04	-3.977E+04	1.494E+00
279	2	20544.74	-100.58	47.40	1	-1.334E+00	1.312E-02	-3.510E-01	-2.007E+04	-1.616E+04	-2.166E+03	9.911E-02	-1.420E+00	1.811E+00	-1.520E+04	-2.104E+04	1.989E+00
279	3	20571.91	-60.35	47.40	1	-1.637E+00	4.020E-02	-1.742E-01	-4.143E+04	-3.953E+03	-1.398E+03	5.811E-02	-1.655E+00	1.673E+00	-3.900E+03	-4.149E+04	1.608E+00
279	4	20544.74	-20.12	47.40	1	-1.307E+00	-1.593E-01	-1.543E-02	-5.841E+04	-1.712E+04	-1.879E+03	-1.591E-01	-1.307E+00	1.584E+00	-1.704E+04	-5.850E+04	1.616E+00
280	1	20590.24	-60.35	47.40	1	-1.639E+00	2.996E-02	1.110E-02	-4.043E+04	-1.413E+03	-8.782E+02	3.004E-02	-1.639E+00	1.564E+00	-1.394E+03	-4.045E+04	1.593E+00
280	2	20599.74	-100.58	47.40	1	-1.661E+00	1.246E-01	-4.525E-02	-2.612E+04	-3.865E+03	-1.072E+02	1.257E-01	-1.662E+00	1.596E+00	-3.864E+03	-2.612E+04	1.576E+00
280	3	20609.24	-60.35	47.40	1	-1.696E+00	5.581E-02	7.853E-03	-4.050E+04	-5.143E+02	2.949E+03	5.584E-02	-1.696E+00	1.566E+00	-2.980E+02	-4.072E+04	1.498E+00
280	4	20599.74	-20.12	47.40	1	-1.675E+00	-3.879E-02	6.420E-02	-5.492E+04	8.135E+02	-5.265E+02	-3.628E-02	-1.677E+00	1.532E+00	8.185E+02	-5.492E+04	1.580E+00
281	1	20398.74	60.35	47.40	1	-1.646E+00	5.244E-02	3.991E-03	-4.052E+04	-5.179E+02	2.943E+03	5.245E-02	-1.646E+00	1.568E+00	-3.026E+02	-4.073E+04	1.498E+00
281	2	20408.24	20.12	47.40	1	-1.629E+00	-3.919E-02	5.213E-02	-5.492E+04	8.100E+02	-5.248E+02	-3.748E-02	-1.630E+00	1.538E+00	8.150E+02	-5.493E+04	1.580E+00
281	3	20417.74	60.35	47.40	1	-1.597E+00	3.046E-02	7.195E-03	-4.044E+04	-1.413E+03	-8.825E+02	3.049E-02	-1.597E+00	1.566E+00	-1.393E+03	-4.046E+04	1.593E+00
281	4	20408.24	100.58	47.40	1	-1.615E+00	1.221E-01	-4.094E-02	-2.615E+04	-3.865E+03	-1.083E+02	1.231E-01	-1.616E+00	1.594E+00	-3.865E+03	-2.615E+04	1.576E+00
282	1	20436.07	60.35	47.40	1	-1.597E+00	3.185E-02	-1.729E-01	-4.145E+04	-3.959E+03	-1.394E+03	5.001E-02	-1.615E+00	1.675E+00	-3.907E+03	-4.150E+04	1.608E+00
282	2	20463.24	20.12	47.40	1	-1.287E+00	-1.599E-01	-2.450E-02	-5.842E+04	-1.713E+04	1.878E+03	-1.594E-01	-1.287E+00	1.593E+00	-1.704E+04	-5.850E+04	1.525E+00
282	3	20490.41	60.35	47.40	1	-1.003E+00	-1.807E-01	-1.908E-01	-3.966E+04	-2.139E+04	-1.408E+03	-1.385E-01	-1.045E+00	1.788E+00	-2.128E+04	-3.977E+04	1.647E+00
282	4	20463.24	100.58	47.40	1	-1.313E+00	1.107E-02	-3.392E-01	-2.008E+04	-1.616E+04	-2.179E+03	9.291E-02	-1.395E+00	1.808E+00	-1.519E+04	-2.105E+04	1.990E+00
283	1	20517.57	60.35	47.40	1	-1.004E+00	-1.864E-01	1.922E-01	-3.966E+04	-2.139E+04	-1.413E+03	-1.434E-01	-1.047E+00	1.351E+00	-2.128E+04	-3.977E+04	1.648E+00
283	2	20544.74	20.12	47.40	1	-1.307E+00	-1.593E-01	1.543E-02	-5.841E+04	-1.712E+04	-1.879E+03	-1.591E-01	-1.307E+00	1.557E+00	-1.704E+04	-5.850E+04	1.616E+00
283	3	20571.91	60.35	47.40	1	-1.637E+00	4.020E-02	1.742E-01	-4.143E+04	-3.953E+03	1.398E+03	5.811E-02	-1.655E+00	1.468E+00	-3.900E+03	-4.149E+04	1.534E+00
283	4	20544.74	100.58	47.40	1	-1.334E+00	1.312E-02	3.510E-01	-2.007E+04	-1.616E+04	-2.166E+03	9.911E-02	-1.420E+00	1.331E+00	-1.520E+04	-2.104E+04	1.152E+00
284	1	20590.24	60.35	47.40	1	-1.639E+00	2.996E-02	-1.110E-02	-4.043E+04	-1.413E+03	8.782E+02	3.004E-02	-1.639E+00	1.577E+00	-1.394E+03	-4.045E+04	1.548E+00
284	2	20599.74	20.12	47.40	1	-1.675E+00	-3.879E-02	-6.420E-02	-5.492E+04	8.135E+02	-5.265E+02	-3.628E-02	-1.677E+00	1.610E+00	8.185E+02	-5.492E+04	1.580E+00
284	3	20609.24	60.35	47.40	1	-1.696E+00	5.581E-02	-7.853E-03	-4.050E+04	-5.143E+02	-2.949E+03	5.584E-02	-1.696E+00	1.575E+00	-2.980E+02	-4.072E+04	1.644E+00
284	4	20599.74	100.58	47.40	1	-1.661E+00	1.246E-01	4.525E-02	-2.612E+04	-3.865E+03	1.072E+02	1.257E-01	-1.662E+00	1.545E+00	-3.864E+03	-2.612E+04	1.566E+00
285	1	20408.24	125.95	47.40	1	-4.013E-02	-2.696E+00	-1.566E-01	2.092E+03	-1.212E+04	2.321E+02	-3.093E-02	-2.706E+00	-5.868E-02	2.095E+03	-1.213E+04	1.632E-02
285	2	20417.74	136.45	47.40	1	2.973E-01	-3.736E+00	-4.864E-01	4.252E+03	-4.432E+03	1.112E+03	3.552E-01	-3.794E+00	-1.183E-01	4.392E+03	-4.573E+03	1.254E-01
285	3	20408.24	146.95	47.40	1	2.510E-02	-2.712E+00	-8.305E-01	2.370E+03	1.700E+03	1.086E+03	2.573E-01	-2.944E+00	-2.727E-01	3.172E+03	8.979E+02	6.359E-01
285	4	20398.74	136.45	47.40	1	-3.124E-01	-1.673E+00	-5.007E-01	5.356E+02	-6.239E+03	1.714E+03	-1.480E-01	-1.837E+00	-3.173E-01	9.445E+02	-6.647E+03	2.342E-01
286	1	20463.24	125.95	47.40	1	-6.485E-02	-1.819E+00	7.102E-01	-4.482E+03	-9.211E+03	2.036E+03	1.866E-01	-2.071E+00	3.403E-01	-3.727E+03	-9.967E+03	3.554E-01
286	2	20490.41	136.45	47.40	1	-3.314E-02	1.212E-01	7.437E-01	-8.077E+03	-7.292E+03	6.633E+02	7.917E-01	-7.037E-01	8.371E-01	-6.914E+03	-8.456E+03	1.053E+00
286	3	20463.24	146.95	47.40	1	-3.257E-03	-1.845E+00	7.095E-01	-4.244E+03	-2.310E+03	1.294E+03	2.383E-01	-2.087E+00	3.282E-01	-1.661E+03	-4.892E+03	1.106E+00
286	4	20436.07	136.45	47.40	1	-3.496E-02	-3.786E+00	6.759E-01	-6.498E+02	-6.363E+03	2.110E+03	8.313E-02	-3.904E+00	1.730E-01	4.481E+01	-7.057E+03	3.181E-01
287	1	20544.74	125.95	47.40	1	-6.623E-02	-1.863E+00	-7.162E-01	-4.479E+03	-9.189E+03	-2.029E+03	1.843E-01	-2.113E+00	-3.365E-01	-3.726E+03	-9.943E+03	-3.556E-01

287	2	20571.91	136.45	47.40	1	-3.836E-02	-3.871E+00	-6.841E-01	-6.446E+02	-6.312E+03	-2.102E+03	8.010E-02	-3.989E+00	-1.715E-01	4.979E+01	-7.006E+03	-3.191E-01
287	3	20544.74	146.95	47.40	1	-8.633E-03	-1.887E+00	-7.154E-01	-4.244E+03	-2.287E+03	-1.275E+03	2.328E-01	-2.129E+00	-3.255E-01	-1.658E+03	-4.873E+03	2.029E+00
287	4	20517.57	136.45	47.40	1	-3.650E-02	1.207E-01	-7.475E-01	-8.080E+03	-7.291E+03	6.496E+02	7.937E-01	-7.095E-01	2.304E+00	-6.925E+03	-8.445E+03	1.058E+00
288	1	20599.74	125.95	47.40	1	-4.073E-02	-2.763E+00	1.679E-01	2.100E+03	-1.208E+04	-2.271E+02	-3.041E-02	-2.773E+00	6.137E-02	2.103E+03	-1.209E+04	-1.601E-02
288	2	20609.24	136.45	47.40	1	-3.190E-01	-1.721E+00	5.176E-01	5.308E+02	-6.201E+03	-1.708E+03	-1.487E-01	-1.891E+00	3.180E-01	9.392E+02	-6.610E+03	-2.348E-01
288	3	20599.74	146.95	47.40	1	2.278E-02	-2.778E+00	8.533E-01	2.373E+03	1.743E+03	-1.089E+03	2.623E-01	-3.018E+00	2.736E-01	3.192E+03	9.241E+02	-6.448E-01
288	4	20590.24	136.45	47.40	1	3.011E-01	-3.820E+00	5.037E-01	4.261E+03	-4.381E+03	-1.103E+03	3.618E-01	-3.880E+00	1.199E-01	4.400E+03	-4.520E+03	-1.250E-01
289	1	20408.24	157.45	47.40	1	3.833E-01	-3.245E-01	-9.241E-01	2.921E+03	2.507E+03	1.715E+03	1.019E+00	-9.602E-01	-6.025E-01	4.441E+03	9.870E+02	7.254E-01
289	2	20417.74	167.95	47.40	1	-4.691E-01	6.354E-01	-7.933E-01	3.781E+03	1.472E+03	8.058E+02	1.050E+00	-8.834E-01	2.052E+00	4.034E+03	1.219E+03	3.047E-01
289	3	20408.24	178.45	47.40	1	-8.418E-01	-2.778E-02	-3.940E-01	1.865E+03	4.522E+02	1.129E+03	1.317E-01	-1.001E+00	1.955E+00	2.490E+03	-1.734E+02	5.059E-01
289	4	20398.74	167.95	47.40	1	1.053E-02	-9.877E-01	-5.248E-01	4.270E+02	1.928E+03	1.245E+03	2.357E-01	-1.213E+00	-4.052E-01	2.631E+03	-2.762E+02	1.057E+00
290	1	20463.24	157.45	47.40	1	2.932E-01	1.311E-01	7.616E-01	-3.949E+03	-7.589E+02	9.050E+02	9.781E-01	-5.537E-01	7.324E-01	-5.200E+02	-4.187E+03	1.313E+00
290	2	20490.41	167.95	47.40	1	4.588E-01	-6.535E-01	9.442E-01	-8.371E+03	-1.002E+03	1.011E+02	9.985E-01	-1.193E+00	5.192E-01	-1.000E+03	-8.372E+03	1.557E+00
290	3	20463.24	178.45	47.40	1	6.251E-01	-9.961E-03	7.618E-01	-4.000E+03	-2.526E+02	1.390E+02	1.133E+00	-5.178E-01	5.880E-01	-2.475E+02	-4.005E+03	1.534E+00
290	4	20436.07	167.95	47.40	1	4.595E-01	7.747E-01	5.792E-01	4.224E+02	-3.757E+02	3.281E+02	1.217E+00	1.682E-02	9.182E-01	5.400E+02	-4.933E+02	3.441E-01
291	1	20544.74	157.45	47.40	1	2.945E-01	1.333E-01	-7.671E-01	-3.953E+03	-7.659E+02	-8.837E+02	9.853E-01	-5.575E-01	-7.331E-01	-5.373E+02	-4.182E+03	1.824E+00
291	2	20571.91	167.95	47.40	1	4.554E-01	7.843E-01	-5.906E-01	4.078E+02	-3.884E+02	-3.157E+02	1.233E+00	6.713E-03	2.220E+00	5.178E+02	-4.984E+02	-3.352E-01
291	3	20544.74	178.45	47.40	1	6.156E-01	-3.188E-03	-7.674E-01	-4.008E+03	-2.583E+02	-1.212E+02	1.134E+00	-5.212E-01	-5.938E-01	-2.544E+02	-4.012E+03	1.603E+00
291	4	20517.57	167.95	47.40	1	4.547E-01	-6.541E-01	-9.439E-01	-8.370E+03	-1.004E+03	8.200E+01	9.950E-01	-1.194E+00	-5.199E-01	-1.003E+03	-8.371E+03	1.560E+00
292	1	20599.74	157.45	47.40	1	3.893E-01	-3.347E-01	9.451E-01	2.915E+03	2.497E+03	-1.718E+03	1.039E+00	-9.847E-01	6.025E-01	4.436E+03	9.750E+02	-7.249E-01
292	2	20609.24	167.95	47.40	1	8.389E-03	-1.010E+00	5.379E-01	4.292E+02	1.928E+03	-1.240E+03	2.398E-01	-1.242E+00	4.063E-01	2.628E+03	-2.706E+02	2.084E+00
292	3	20599.74	178.45	47.40	1	-8.613E-01	-3.169E-02	4.048E-01	1.849E+03	4.494E+02	-1.125E+03	1.331E-01	-1.026E+00	1.184E+00	2.474E+03	-1.755E+02	-5.072E-01
292	4	20590.24	167.95	47.40	1	-4.804E-01	6.439E-01	8.120E-01	3.759E+03	1.457E+03	-7.958E+02	1.069E+00	-9.059E-01	1.088E+00	4.007E+03	1.208E+03	-3.024E-01
293	1	22961.74	-167.95	49.95	1	1.455E-14	1.439E-13	8.994E-16	1.849E+03	3.561E+02	1.277E+03	1.440E-13	1.454E-14	1.571E+00	2.582E+03	-3.768E+02	5.209E-01
293	2	22971.24	-178.45	49.95	1	-4.509E-14	4.217E-14	5.343E-30	5.189E+02	2.095E+03	1.180E+03	4.217E-14	-4.509E-14	1.571E+00	2.726E+03	-1.115E+02	1.080E+00
293	3	22980.74	-167.95	49.95	1	-2.465E-14	-1.159E-13	-1.117E-29	1.751E+03	4.159E+03	8.999E+02	-2.465E-14	-1.159E-13	0.000E+00	4.458E+03	1.452E+03	1.250E+00
293	4	22971.24	-157.45	49.95	1	-2.977E-14	4.791E-14	-4.756E-30	2.611E+03	3.036E+03	1.571E+03	4.791E-14	-2.977E-14	1.571E+00	4.409E+03	1.239E+03	8.527E-01
294	1	22999.07	-167.95	49.95	1	1.273E-16	2.223E-14	-7.833E-15	-1.655E+02	7.168E+02	4.555E+02	2.473E-14	-2.367E-15	1.571E+00	9.098E+02	-3.585E+02	1.170E+00
294	2	23026.24	-178.45	49.95	1	-6.065E-14	4.110E-14	6.230E-30	-2.826E+02	-3.963E+03	3.127E+02	4.110E-14	-6.065E-14	1.571E+00	-2.562E+02	-3.989E+03	8.417E-02
294	3	23053.41	-167.95	49.95	1	-5.847E-15	-5.770E-14	-6.350E-30	-1.251E+03	-8.570E+03	-1.121E+02	-5.847E-15	-5.770E-14	0.000E+00	-1.249E+03	-8.572E+03	-1.531E-02
294	4	23026.24	-157.45	49.95	1	-4.696E-14	2.820E-14	-4.602E-30	-7.642E+02	-3.890E+03	1.222E+03	2.820E-14	-4.696E-14	1.571E+00	-3.433E+02	-4.311E+03	3.317E-01
295	1	23080.57	-167.95	49.95	1	8.023E-15	3.644E-14	8.775E-15	-1.262E+03	-8.562E+03	-1.186E+02	3.893E-14	5.531E-15	1.571E+00	-1.260E+03	-8.564E+03	-1.624E-02
295	2	23107.74	-178.45	49.95	1	-5.285E-14	5.067E-14	6.338E-30	-3.002E+02	-3.999E+03	-2.401E+02	5.067E-14	-5.285E-14	1.571E+00	-2.847E+02	-4.014E+03	-6.455E-02
295	3	23134.91	-167.95	49.95	1	4.815E-15	-4.871E-14	-6.554E-30	-1.977E+02	6.466E+02	-3.948E+02	4.815E-15	-4.871E-14	0.000E+00	8.025E+02	-3.535E+02	1.947E+00
295	4	23107.74	-157.45	49.95	1	-4.079E-14	4.703E-14	-5.377E-30	-7.822E+02	-3.916E+03	-1.139E+03	4.703E-14	-4.079E-14	1.571E+00	-4.122E+02	-4.286E+03	-3.142E-01
296	1	23153.24	-167.95	49.95	1	3.226E-14	1.155E-13	1.050E-15	1.704E+03	4.060E+03	-8.441E+02	1.155E-13	3.225E-14	1.571E+00	4.331E+03	1.432E+03	1.882E+00
296	2	23162.74	-178.45	49.95	1	-3.676E-14	5.090E-14	5.367E-30	5.074E+02	2.022E+03	-1.142E+03	5.090E-14	-3.676E-14	1.571E+00	2.635E+03	-1.055E+02	2.063E+00
296	3	23172.24	-167.95	49.95	1	-2.095E-14	-1.161E-13	-1.165E-29	1.789E+03	3.410E+02	-1.234E+03	-2.095E-14	-1.161E-13	0.000E+00	2.495E+03	-3.653E+02	-5.200E-01
296	4	23162.74	-157.45	49.95	1	-3.114E-14	4.185E-14	-4.469E-30	2.528E+03	2.979E+03	-1.518E+03	4.185E-14	-3.114E-14	1.571E+00	4.288E+03	1.219E+03	2.282E+00
297	1	22971.24	-146.95	49.95	1	2.794E-14	-1.604E-16	5.738E-14	2.281E+03	6.523E+02	-9.504E+02	7.297E-14	-4.518E-14	0.000E+00	2.719E+03	2.151E+02	-4.311E-01
297	2	22980.74	-136.45	49.95	1	-8.730E-14	-2.479E-14	3.827E-30	4.037E+03	-5.714E+03	-1.207E+03	-2.479E-14	-8.730E-14	1.571E+00	4.184E+03	-5.861E+03	-1.214E-01
297	3	22971.24	-125.95	49.95	1	6.489E-14	-3.960E-14	-1.280E-29	1.934E+03	-1.317E+04	-2.950E+02	6.489E-14	-3.960E-14	0.000E+00	1.940E+03	-1.317E+04	-1.952E-02
297	4	22961.74	-136.45	49.95	1	2.141E-14	1.445E-13	-7.534E-30	6.612E+02	-7.169E+03	-1.772E+03	1.445E-13	2.141E-14	1.571E+00	1.044E+03	-7.552E+03	-2.126E-01

298	1	23026.24	-146.95	49.95	1	-1.729E-14	-4.315E-15	7.157E-14	-4.299E+03	-3.048E+03	-1.578E+03	6.106E-14	-8.266E-14	1.571E+00	-1.976E+03	-5.371E+03	2.167E+00
298	2	23053.41	-136.45	49.95	1	-6.226E-14	-5.718E-16	3.777E-30	-8.022E+03	-7.687E+03	6.154E+02	-5.718E-16	-6.226E-14	1.571E+00	-7.216E+03	-8.492E+03	9.184E-01
298	3	23026.24	-125.95	49.95	1	3.026E-14	-4.315E-14	-8.990E-30	-4.520E+03	-9.902E+03	-2.097E+03	3.026E-14	-4.315E-14	0.000E+00	-3.799E+03	-1.062E+04	-3.310E-01
298	4	22999.07	-136.45	49.95	1	-5.125E-15	3.814E-14	-2.649E-30	-7.982E+02	-7.638E+03	-2.197E+03	3.814E-14	-5.125E-15	1.571E+00	-1.534E+02	-8.282E+03	-2.855E-01
299	1	23107.74	-146.95	49.95	1	9.615E-15	7.710E-15	6.482E-14	-4.327E+03	-3.082E+03	1.487E+03	7.349E-14	-5.617E-14	0.000E+00	-2.092E+03	-5.316E+03	9.836E-01
299	2	23134.91	-136.45	49.95	1	-3.832E-14	2.118E-14	3.643E-30	-8.401E+02	-7.639E+03	2.110E+03	2.118E-14	-3.832E-14	1.571E+00	-2.384E+02	-8.241E+03	2.778E-01
299	3	23107.74	-125.95	49.95	1	3.841E-14	-1.243E-14	-6.226E-30	-4.535E+03	-9.874E+03	2.005E+03	3.841E-14	-1.243E-14	0.000E+00	-3.866E+03	-1.054E+04	3.221E-01
299	4	23080.57	-136.45	49.95	1	-1.068E-15	5.609E-14	-3.500E-30	-8.023E+03	-7.693E+03	6.431E+02	5.609E-14	-1.068E-15	1.571E+00	-7.194E+03	-8.522E+03	9.109E-01
300	1	23162.74	-146.95	49.95	1	6.702E-17	6.592E-15	5.058E-14	2.232E+03	5.878E+02	9.139E+02	5.401E-14	-4.735E-14	1.571E+00	2.639E+03	1.806E+02	4.191E-01
300	2	23172.24	-136.45	49.95	1	-1.443E-13	-1.013E-14	8.217E-30	6.647E+02	-7.141E+03	1.712E+03	-1.013E-14	-1.443E-13	1.571E+00	1.024E+03	-7.500E+03	2.067E-01
300	3	23162.74	-125.95	49.95	1	5.206E-14	-3.581E-14	-1.076E-29	1.909E+03	-1.308E+04	2.629E+02	5.206E-14	-3.581E-14	0.000E+00	1.914E+03	-1.309E+04	1.753E-02
300	4	23153.24	-136.45	49.95	1	2.804E-14	1.448E-13	-7.148E-30	3.964E+03	-5.724E+03	1.142E+03	1.448E-13	2.804E-14	1.571E+00	4.097E+03	-5.857E+03	1.158E-01
301	1	22961.74	-60.35	49.95	1	-4.563E-14	1.146E-13	-1.796E-14	-4.128E+04	-5.580E+02	-2.873E+03	1.166E-13	-4.762E-14	1.571E+00	-3.564E+02	-4.149E+04	1.641E+00
301	2	22971.24	-100.58	49.95	1	-5.171E-14	2.946E-14	4.970E-30	-2.697E+04	-3.873E+03	1.776E+02	2.946E-14	-5.171E-14	1.571E+00	-3.871E+03	-2.697E+04	1.563E+00
301	3	22980.74	-60.35	49.95	1	-4.166E-14	-9.400E-14	-6.409E-30	-4.118E+04	-1.404E+03	9.368E+02	-4.166E-14	-9.400E-14	0.000E+00	-1.382E+03	-4.121E+04	1.547E+00
301	4	22971.24	-20.12	49.95	1	-5.641E-14	3.788E-14	-5.773E-30	-5.561E+04	7.660E+02	5.126E+02	3.788E-14	-5.641E-14	1.571E+00	7.706E+02	-5.561E+04	1.562E+00
302	1	22999.07	-60.35	49.95	1	-2.985E-14	9.221E-14	-3.268E-14	-4.220E+04	-4.011E+03	1.402E+03	1.004E-13	-3.805E-14	1.571E+00	-3.959E+03	-4.225E+04	1.534E+00
302	2	23026.24	-100.58	49.95	1	-3.983E-14	3.185E-14	4.389E-30	-2.080E+04	-1.605E+04	2.275E+03	3.185E-14	-3.983E-14	1.571E+00	-1.514E+04	-2.172E+04	1.189E+00
302	3	23053.41	-60.35	49.95	1	5.860E-14	-3.474E-14	-1.143E-29	-4.030E+04	-2.127E+04	-1.262E+03	5.860E-14	-3.474E-14	0.000E+00	-2.119E+04	-4.038E+04	1.637E+00
302	4	23026.24	-20.12	49.95	1	-3.509E-14	1.268E-13	-9.913E-30	-5.906E+04	-1.725E+04	1.862E+03	1.268E-13	-3.509E-14	1.571E+00	-1.717E+04	-5.914E+04	1.526E+00
303	1	23080.57	-60.35	49.95	1	6.709E-15	2.148E-14	-3.190E-14	-4.025E+04	-2.099E+04	-1.211E+03	4.684E-14	-1.865E-14	1.571E+00	-2.092E+04	-4.032E+04	1.633E+00
303	2	23107.74	-100.58	49.95	1	-9.519E-15	4.599E-14	3.399E-30	-2.084E+04	-1.608E+04	-2.042E+03	4.599E-14	-9.519E-15	1.571E+00	-1.532E+04	-2.160E+04	1.925E+00
303	3	23134.91	-60.35	49.95	1	3.679E-14	-4.013E-14	-9.420E-30	-4.196E+04	-3.890E+03	-1.296E+03	3.679E-14	-4.013E-14	0.000E+00	-3.846E+03	-4.200E+04	1.605E+00
303	4	23107.74	-20.12	49.95	1	-4.002E-14	3.659E-14	-4.691E-30	-5.876E+04	-1.675E+04	-1.897E+03	3.659E-14	-4.002E-14	1.571E+00	-1.667E+04	-5.884E+04	1.616E+00
304	1	23153.24	-60.35	49.95	1	3.925E-14	2.941E-14	-1.662E-14	-4.096E+04	-1.402E+03	-8.358E+02	5.167E-14	1.700E-14	0.000E+00	-1.385E+03	-4.098E+04	1.592E+00
304	2	23162.74	-100.58	49.95	1	4.535E-15	4.362E-14	2.393E-30	-2.684E+04	-3.879E+03	-9.927E+01	4.362E-14	4.535E-15	1.571E+00	-3.878E+03	-2.684E+04	1.575E+00
304	3	23172.24	-60.35	49.95	1	5.446E-14	-3.355E-14	-1.078E-29	-4.104E+04	-5.152E+02	2.931E+03	5.446E-14	-3.355E-14	0.000E+00	-3.043E+02	-4.125E+04	1.499E+00
304	4	23162.74	-20.12	49.95	1	-3.078E-14	6.060E-14	-5.595E-30	-5.527E+04	8.291E+02	5.307E+02	6.060E-14	-3.078E-14	1.571E+00	8.341E+02	-5.528E+04	1.561E+00
305	1	22961.74	60.35	49.95	1	-6.813E-14	-2.936E-14	1.894E-14	-4.128E+04	-5.580E+02	2.873E+03	-2.164E-14	-7.585E-14	1.571E+00	-3.564E+02	-4.149E+04	1.501E+00
305	2	22971.24	20.12	49.95	1	-6.365E-14	4.476E-14	6.638E-30	-5.561E+04	7.660E+02	5.126E+02	4.476E-14	-6.365E-14	1.571E+00	7.706E+02	-5.561E+04	1.562E+00
305	3	22980.74	60.35	49.95	1	6.172E-14	-4.002E-14	-1.246E-29	-4.118E+04	-1.404E+03	-9.368E+02	6.172E-14	-4.002E-14	0.000E+00	-1.382E+03	-4.121E+04	1.594E+00
305	4	22971.24	100.58	49.95	1	-5.017E-14	3.612E-15	-3.293E-30	-2.697E+04	-3.873E+03	-1.776E+02	3.612E-15	-5.017E-14	1.571E+00	-3.871E+03	-2.697E+04	1.578E+00
306	1	22999.07	60.35	49.95	1	-3.530E-14	4.278E-14	3.655E-14	-4.220E+04	-4.011E+03	-1.402E+03	5.722E-14	-4.974E-14	1.571E+00	-3.959E+03	-4.225E+04	1.607E+00
306	2	23026.24	20.12	49.95	1	-5.234E-14	1.282E-13	1.106E-29	-5.906E+04	-1.725E+04	1.862E+03	1.282E-13	-5.234E-14	1.571E+00	-1.717E+04	-5.914E+04	1.526E+00
306	3	23053.41	60.35	49.95	1	1.055E-13	-3.431E-14	-1.712E-29	-4.030E+04	-2.127E+04	1.262E+03	1.055E-13	-3.431E-14	0.000E+00	-2.119E+04	-4.038E+04	1.505E+00
306	4	23026.24	100.58	49.95	1	-3.405E-14	4.115E-14	-4.605E-30	-2.080E+04	-1.605E+04	-2.275E+03	4.115E-14	-3.405E-14	1.571E+00	-1.514E+04	-2.172E+04	1.952E+00
307	1	23080.57	60.35	49.95	1	-2.643E-14	-1.484E-14	6.002E-14	-4.025E+04	-2.099E+04	1.211E+03	3.967E-14	-8.093E-14	1.571E+00	-2.092E+04	-4.032E+04	1.508E+00
307	2	23107.74	20.12	49.95	1	-9.419E-14	6.628E-14	9.826E-30	-5.876E+04	-1.675E+04	-1.897E+03	6.628E-14	-9.419E-14	1.571E+00	-1.667E+04	-5.884E+04	1.616E+00
307	3	23134.91	60.35	49.95	1	8.778E-14	-3.286E-14	-1.477E-29	-4.196E+04	-3.890E+03	1.296E+03	8.778E-14	-3.286E-14	0.000E+00	-3.846E+03	-4.200E+04	1.537E+00
307	4	23107.74	100.58	49.95	1	-3.701E-14	7.277E-14	-6.721E-30	-2.084E+04	-1.608E+04	2.042E+03	7.277E-14	-3.701E-14	1.571E+00	-1.532E+04	-2.160E+04	1.216E+00
308	1	23153.24	60.35	49.95	1	1.094E-14	-3.113E-14	2.930E-14	-4.096E+04	-1.402E+03	8.358E+02	2.598E-14	-4.617E-14	0.000E+00	-1.385E+03	-4.098E+04	1.550E+00
308	2	23162.74	20.12	49.95	1	-5.064E-14	7.229E-14	7.527E-30	-5.527E+04	8.291E+02	5.307E+02	7.229E-14	-5.064E-14	1.571E+00	8.341E+02	-5.528E+04	1.561E+00
308	3	23172.24	60.35	49.95	1	8.594E-14	1.762E-14	-8.367E-30	-4.104E+04	-5.152E+02	-2.931E+03	8.594E-14	1.762E-14	0.000E+00	-3.043E+02	-4.125E+04	1.643E+00

308	4	23162.74	100.58	49.95	1	2.045E-14	4.845E-14	-1.714E-30	-2.684E+04	-3.879E+03	9.927E+01	4.845E-14	2.045E-14	1.571E+00	-3.878E+03	-2.684E+04	1.566E+00
309	1	22971.24	125.95	49.95	1	1.293E-14	-1.625E-15	-3.675E-14	1.934E+03	-1.317E+04	2.950E+02	4.312E-14	-3.181E-14	0.000E+00	1.940E+03	-1.317E+04	1.952E-02
309	2	22980.74	136.45	49.95	1	1.302E-14	1.162E-13	6.321E-30	4.037E+03	-5.714E+03	1.207E+03	1.162E-13	1.302E-14	1.571E+00	4.184E+03	-5.861E+03	1.214E-01
309	3	22971.24	146.95	49.95	1	5.513E-14	-3.401E-14	-1.092E-29	2.281E+03	6.523E+02	9.504E+02	5.513E-14	-3.401E-14	0.000E+00	2.719E+03	2.151E+02	4.311E-01
309	4	22961.74	136.45	49.95	1	-8.795E-14	-1.717E-14	-4.334E-30	6.612E+02	-7.169E+03	1.772E+03	-1.717E-14	-8.795E-14	1.571E+00	1.044E+03	-7.552E+03	2.126E-01
310	1	23026.24	125.95	49.95	1	2.993E-14	-1.760E-15	-6.181E-14	-4.520E+03	-9.902E+03	2.097E+03	7.789E-14	-4.972E-14	0.000E+00	-3.799E+03	-1.062E+04	3.310E-01
310	2	23053.41	136.45	49.95	1	-5.489E-15	8.140E-14	5.320E-30	-8.022E+03	-7.687E+03	-6.154E+02	8.140E-14	-5.489E-15	1.571E+00	-7.216E+03	-8.492E+03	2.223E+00
310	3	23026.24	146.95	49.95	1	5.545E-14	-2.991E-14	-1.045E-29	-4.299E+03	-3.048E+03	1.578E+03	5.545E-14	-2.991E-14	0.000E+00	-1.976E+03	-5.371E+03	9.741E-01
310	4	22999.07	136.45	49.95	1	-3.432E-14	7.182E-15	-2.541E-30	-7.982E+02	-7.638E+03	2.197E+03	7.182E-15	-3.432E-14	1.571E+00	-1.534E+02	-8.282E+03	2.855E-01
311	1	23107.74	125.95	49.95	1	4.367E-14	-1.916E-14	-1.089E-13	-4.535E+03	-9.874E+03	-2.005E+03	1.256E-13	-1.011E-13	0.000E+00	-3.866E+03	-1.054E+04	-3.221E-01
311	2	23134.91	136.45	49.95	1	-6.540E-14	1.351E-13	1.228E-29	-8.401E+02	-7.639E+03	-2.110E+03	1.351E-13	-6.540E-14	1.571E+00	-2.384E+02	-8.241E+03	-2.778E-01
311	3	23107.74	146.95	49.95	1	3.824E-14	-3.412E-14	-8.861E-30	-4.327E+03	-3.082E+03	-1.487E+03	3.824E-14	-3.412E-14	0.000E+00	-2.092E+03	-5.316E+03	2.158E+00
311	4	23080.57	136.45	49.95	1	-6.422E-14	2.089E-14	-5.212E-30	-8.023E+03	-7.693E+03	-6.431E+02	2.089E-14	-6.422E-14	1.571E+00	-7.194E+03	-8.522E+03	2.231E+00
312	1	23162.74	125.95	49.95	1	1.334E-14	-6.385E-14	-1.005E-13	1.909E+03	-1.308E+04	-2.629E+02	8.241E-14	-1.329E-13	0.000E+00	1.914E+03	-1.309E+04	-1.753E-02
312	2	23172.24	136.45	49.95	1	-1.541E-13	2.136E-13	2.252E-29	6.647E+02	-7.141E+03	-1.712E+03	2.136E-13	-1.541E-13	1.571E+00	1.024E+03	-7.500E+03	-2.067E-01
312	3	23162.74	146.95	49.95	1	4.809E-14	-1.163E-13	-2.013E-29	2.232E+03	5.878E+02	-9.139E+02	4.809E-14	-1.163E-13	0.000E+00	2.639E+03	1.806E+02	-4.191E-01
312	4	23153.24	136.45	49.95	1	-1.707E-13	-1.175E-14	-9.730E-30	3.964E+03	-5.724E+03	-1.142E+03	-1.175E-14	-1.707E-13	1.571E+00	4.097E+03	-5.857E+03	-1.158E-01
313	1	22971.24	157.45	49.95	1	1.169E-14	-1.048E-14	-5.766E-14	3.036E+03	2.611E+03	1.571E+03	5.932E-14	-5.811E-14	0.000E+00	4.409E+03	1.239E+03	7.181E-01
313	2	22980.74	167.95	49.95	1	2.131E-14	1.158E-13	5.788E-30	4.159E+03	1.751E+03	8.999E+02	1.158E-13	2.131E-14	1.571E+00	4.458E+03	1.452E+03	3.210E-01
313	3	22971.24	178.45	49.95	1	5.834E-14	-7.228E-14	-1.600E-29	2.095E+03	5.189E+02	1.180E+03	5.834E-14	-7.228E-14	0.000E+00	2.726E+03	-1.115E+02	4.909E-01
313	4	22961.74	167.95	49.95	1	-1.172E-13	-3.543E-14	-5.010E-30	3.561E+02	1.849E+03	1.277E+03	-3.543E-14	-1.172E-13	1.571E+00	2.582E+03	-3.768E+02	1.050E+00
314	1	23026.24	157.45	49.95	1	3.040E-14	7.779E-15	-6.622E-14	-3.890E+03	-7.642E+02	1.222E+03	8.627E-14	-4.809E-14	0.000E+00	-3.433E+02	-4.311E+03	1.239E+00
314	2	23053.41	167.95	49.95	1	2.775E-15	9.240E-14	5.488E-30	-8.570E+03	-1.251E+03	-1.121E+02	9.240E-14	2.775E-15	1.571E+00	-1.249E+03	-8.572E+03	1.586E+00
314	3	23026.24	178.45	49.95	1	8.264E-14	-3.222E-14	-1.407E-29	-3.963E+03	-2.826E+02	3.127E+02	8.264E-14	-3.222E-14	0.000E+00	-2.562E+02	-3.989E+03	1.487E+00
314	4	22999.07	167.95	49.95	1	-3.522E-14	2.173E-14	-3.487E-30	7.168E+02	-1.655E+02	4.555E+02	2.173E-14	-3.522E-14	1.571E+00	9.098E+02	-3.585E+02	4.007E-01
315	1	23107.74	157.45	49.95	1	1.265E-14	1.703E-14	-4.271E-14	-3.916E+03	-7.822E+02	-1.139E+03	5.761E-14	-2.793E-14	1.571E+00	-4.122E+02	-4.286E+03	1.885E+00
315	2	23134.91	167.95	49.95	1	-1.491E-14	1.244E-13	8.527E-30	6.466E+02	-1.977E+02	-3.948E+02	1.244E-13	-1.491E-14	1.571E+00	8.025E+02	-3.535E+02	-3.760E-01
315	3	23107.74	178.45	49.95	1	1.144E-13	-5.544E-14	-2.080E-29	-3.999E+03	-3.002E+02	-2.401E+02	1.144E-13	-5.544E-14	0.000E+00	-2.847E+02	-4.014E+03	1.635E+00
315	4	23080.57	167.95	49.95	1	-2.973E-14	1.981E-15	-1.942E-30	-8.562E+03	-1.262E+03	-1.186E+02	1.981E-15	-2.973E-14	1.571E+00	-1.260E+03	-8.564E+03	1.587E+00
316	1	23162.74	157.45	49.95	1	-2.289E-14	-1.509E-13	-2.543E-14	2.979E+03	2.528E+03	-1.518E+03	-1.803E-14	-1.558E-13	0.000E+00	4.288E+03	1.219E+03	-7.116E-01
316	2	23172.24	167.95	49.95	1	-3.479E-13	1.858E-13	3.268E-29	3.410E+02	1.789E+03	-1.234E+03	1.858E-13	-3.479E-13	1.571E+00	2.495E+03	-3.653E+02	2.091E+00
316	3	23162.74	178.45	49.95	1	1.569E-13	-2.348E-13	-4.797E-29	2.022E+03	5.074E+02	-1.142E+03	1.569E-13	-2.348E-13	0.000E+00	2.635E+03	-1.055E+02	-4.926E-01
316	4	23153.24	167.95	49.95	1	-1.770E-13	4.271E-14	-1.346E-29	4.060E+03	1.704E+03	-8.441E+02	4.271E-14	-1.770E-13	1.571E+00	4.331E+03	1.432E+03	-3.108E-01
317	1	25524.74	-167.95	52.50	1	-9.756E-01	1.041E-02	-5.184E-01	1.903E+03	4.215E+02	1.229E+03	2.328E-01	-1.198E+00	1.976E+00	2.597E+03	-2.728E+02	5.142E-01
317	2	25534.24	-178.45	52.50	1	-2.744E-02	-8.315E-01	-3.892E-01	4.464E+02	1.841E+03	1.115E+03	1.301E-01	-9.890E-01	-3.846E-01	2.459E+03	-1.713E+02	1.065E+00
317	3	25543.74	-167.95	52.50	1	6.276E-01	-4.633E-01	-7.836E-01	1.453E+03	3.733E+03	7.955E+02	1.037E+00	-8.726E-01	-4.813E-01	3.983E+03	1.203E+03	1.266E+00
317	4	25534.24	-157.45	52.50	1	-3.206E-01	3.786E-01	-9.128E-01	2.475E+03	2.884E+03	1.693E+03	1.006E+00	-9.484E-01	2.173E+00	4.385E+03	9.740E+02	8.455E-01
318	1	25562.07	-167.95	52.50	1	7.652E-01	4.538E-01	5.721E-01	-3.718E+02	4.155E+02	3.238E+02	1.202E+00	1.662E-02	6.526E-01	5.316E+02	-4.878E+02	1.227E+00
318	2	25589.24	-178.45	52.50	1	-9.838E-03	6.174E-01	7.525E-01	-2.495E+02	-3.951E+03	1.370E+02	1.119E+00	-5.114E-01	9.828E-01	-2.444E+02	-3.956E+03	3.694E-02
318	3	25616.40	-167.95	52.50	1	-6.455E-01	4.532E-01	9.326E-01	-9.893E+02	-8.267E+03	9.967E+01	9.862E-01	-1.179E+00	1.052E+00	-9.879E+02	-8.269E+03	1.369E-02
318	4	25589.24	-157.45	52.50	1	1.295E-01	2.896E-01	7.522E-01	-7.501E+02	-3.900E+03	8.933E+02	9.660E-01	-5.469E-01	8.384E-01	-5.144E+02	-4.136E+03	2.579E-01
319	1	25643.57	-167.95	52.50	1	-6.461E-01	4.491E-01	-9.323E-01	-9.916E+02	-8.266E+03	8.086E+01	9.827E-01	-1.180E+00	2.091E+00	-9.907E+02	-8.267E+03	1.111E-02
319	2	25670.74	-178.45	52.50	1	-3.150E-03	6.080E-01	-7.580E-01	-2.551E+02	-3.959E+03	-1.194E+02	1.120E+00	-5.148E-01	2.165E+00	-2.512E+02	-3.963E+03	-3.220E-02

319	3	25697.90	-167.95	52.50	1	7.747E-01	4.498E-01	-5.834E-01	-3.843E+02	4.011E+02	-3.116E+02	1.218E+00	6.631E-03	-6.496E-01	5.097E+02	-4.929E+02	1.906E+00
319	4	25670.74	-157.45	52.50	1	1.317E-01	2.908E-01	-7.577E-01	-7.570E+02	-3.905E+03	-8.722E+02	9.732E-01	-5.506E-01	2.304E+00	-5.315E+02	-4.131E+03	-2.530E-01
320	1	25716.24	-167.95	52.50	1	6.360E-01	-4.745E-01	8.021E-01	1.438E+03	3.711E+03	-7.856E+02	1.056E+00	-8.948E-01	4.826E-01	3.956E+03	1.193E+03	1.873E+00
320	2	25725.74	-178.45	52.50	1	-3.130E-02	-8.508E-01	3.999E-01	4.436E+02	1.825E+03	-1.111E+03	1.315E-01	-1.014E+00	3.866E-01	2.442E+03	-1.735E+02	2.078E+00
320	3	25735.24	-167.95	52.50	1	-9.979E-01	8.286E-03	5.313E-01	1.903E+03	4.238E+02	-1.225E+03	2.369E-01	-1.226E+00	1.164E+00	2.594E+03	-2.673E+02	-5.137E-01
320	4	25725.74	-157.45	52.50	1	-3.305E-01	3.845E-01	9.335E-01	2.465E+03	2.878E+03	-1.696E+03	1.027E+00	-9.726E-01	9.683E-01	4.380E+03	9.621E+02	2.296E+00
321	1	25534.24	-146.95	52.50	1	2.479E-02	-2.679E+00	8.203E-01	2.339E+03	1.677E+03	-1.073E+03	2.542E-01	-2.908E+00	2.727E-01	3.131E+03	8.858E+02	-6.358E-01
321	2	25543.74	-136.45	52.50	1	2.937E-01	-3.690E+00	4.804E-01	4.198E+03	-4.377E+03	-1.098E+03	3.508E-01	-3.747E+00	1.183E-01	4.337E+03	-4.515E+03	-1.253E-01
321	3	25534.24	-125.95	52.50	1	-3.963E-02	-2.663E+00	1.547E-01	2.066E+03	-1.197E+04	-2.290E+02	-3.055E-02	-2.672E+00	5.868E-02	2.070E+03	-1.197E+04	-1.631E-02
321	4	25524.74	-136.45	52.50	1	-3.085E-01	-1.652E+00	4.945E-01	5.294E+02	-6.161E+03	-1.693E+03	-1.461E-01	-1.815E+00	3.173E-01	9.333E+02	-6.565E+03	-2.342E-01
322	1	25589.24	-146.95	52.50	1	-3.217E-03	-1.823E+00	-7.008E-01	-4.192E+03	-2.281E+03	-1.277E+03	2.354E-01	-2.061E+00	-3.282E-01	-1.641E+03	-4.831E+03	2.035E+00
322	2	25616.40	-136.45	52.50	1	-3.274E-02	1.197E-01	-7.346E-01	-7.978E+03	-7.202E+03	-6.547E+02	7.820E-01	-6.950E-01	2.305E+00	-6.829E+03	-8.351E+03	2.089E+00
322	3	25589.24	-125.95	52.50	1	-6.405E-02	-1.797E+00	-7.015E-01	-4.428E+03	-9.097E+03	-2.010E+03	1.843E-01	-2.045E+00	-3.403E-01	-3.682E+03	-9.843E+03	-3.554E-01
322	4	25562.07	-136.45	52.50	1	-3.453E-02	-3.739E+00	-6.676E-01	-6.429E+02	-6.283E+03	-2.083E+03	8.211E-02	-3.856E+00	-1.730E-01	4.269E+01	-6.969E+03	-3.180E-01
323	1	25670.74	-146.95	52.50	1	-8.527E-03	-1.864E+00	7.067E-01	-4.192E+03	-2.258E+03	1.259E+03	2.299E-01	-2.103E+00	3.255E-01	-1.638E+03	-4.812E+03	1.113E+00
323	2	25697.90	-136.45	52.50	1	-3.789E-02	-3.823E+00	6.757E-01	-6.378E+02	-6.233E+03	2.075E+03	7.912E-02	-3.940E+00	1.715E-01	4.761E+01	-6.919E+03	3.191E-01
323	3	25670.74	-125.95	52.50	1	-6.541E-02	-1.840E+00	7.074E-01	-4.425E+03	-9.075E+03	2.003E+03	1.820E-01	-2.087E+00	3.365E-01	-3.681E+03	-9.819E+03	3.556E-01
323	4	25643.57	-136.45	52.50	1	-3.605E-02	1.192E-01	7.383E-01	-7.980E+03	-7.201E+03	-6.413E+02	7.839E-01	-7.008E-01	8.378E-01	-6.840E+03	-8.341E+03	2.083E+00
324	1	25725.74	-146.95	52.50	1	2.250E-02	-2.744E+00	-8.429E-01	2.343E+03	1.720E+03	1.076E+03	2.591E-01	-2.981E+00	-2.736E-01	3.151E+03	9.117E+02	6.447E-01
324	2	25735.24	-136.45	52.50	1	-3.151E-01	-1.700E+00	-5.112E-01	5.247E+02	-6.124E+03	1.687E+03	-1.469E-01	-1.868E+00	-3.180E-01	9.281E+02	-6.527E+03	2.348E-01
324	3	25725.74	-125.95	52.50	1	-4.023E-02	-2.729E+00	-1.658E-01	2.074E+03	-1.193E+04	2.241E+02	-3.004E-02	-2.739E+00	-6.137E-02	2.078E+03	-1.193E+04	1.600E-02
324	4	25716.24	-136.45	52.50	1	2.974E-01	-3.773E+00	-4.975E-01	4.208E+03	-4.326E+03	1.089E+03	3.573E-01	-3.833E+00	-1.199E-01	4.344E+03	-4.463E+03	1.250E-01
325	1	25524.74	-60.35	52.50	1	-1.626E+00	5.179E-02	-3.942E-03	-4.002E+04	-5.111E+02	-2.908E+03	5.180E-02	-1.626E+00	1.573E+00	-2.982E+02	-4.023E+04	1.644E+00
325	2	25534.24	-100.58	52.50	1	-1.595E+00	1.206E-01	4.044E-02	-2.582E+04	-3.819E+03	1.055E+02	1.215E-01	-1.596E+00	1.547E+00	-3.819E+03	-2.582E+04	1.566E+00
325	3	25543.74	-60.35	52.50	1	-1.578E+00	3.009E-02	-7.107E-03	-3.995E+04	-1.396E+03	8.700E+02	3.012E-02	-1.578E+00	1.575E+00	-1.377E+03	-3.997E+04	1.548E+00
325	4	25534.24	-20.12	52.50	1	-1.609E+00	-3.871E-02	-5.149E-02	-5.425E+04	8.010E+02	-5.190E+02	-3.702E-02	-1.610E+00	1.604E+00	8.058E+02	-5.425E+04	1.580E+00
326	1	25562.07	-60.35	52.50	1	-1.578E+00	3.146E-02	1.708E-01	-4.094E+04	-3.911E+03	1.380E+03	4.939E-02	-1.596E+00	1.466E+00	-3.860E+03	-4.099E+04	1.534E+00
326	2	25589.24	-100.58	52.50	1	-1.297E+00	1.093E-02	3.351E-01	-1.983E+04	-1.597E+04	2.149E+03	9.177E-02	-1.378E+00	1.334E+00	-1.501E+04	-2.079E+04	1.152E+00
326	3	25616.40	-60.35	52.50	1	-9.904E-01	-1.785E-01	1.884E-01	-3.918E+04	-2.113E+04	1.392E+03	-1.368E-01	-1.032E+00	1.354E+00	-2.102E+04	-3.928E+04	1.494E+00
326	4	25589.24	-20.12	52.50	1	-1.271E+00	-1.579E-01	2.420E-02	-5.770E+04	-1.692E+04	-1.857E+03	-1.574E-01	-1.271E+00	1.549E+00	-1.684E+04	-5.779E+04	1.616E+00
327	1	25643.57	-60.35	52.50	1	-9.913E-01	-1.841E-01	-1.899E-01	-3.918E+04	-2.114E+04	1.397E+03	-1.417E-01	-1.034E+00	1.791E+00	-2.103E+04	-3.928E+04	1.494E+00
327	2	25670.74	-100.58	52.50	1	-1.317E+00	1.296E-02	-3.467E-01	-1.982E+04	-1.597E+04	-2.137E+03	9.789E-02	-1.402E+00	1.811E+00	-1.502E+04	-2.077E+04	1.989E+00
327	3	25697.90	-60.35	52.50	1	-1.617E+00	3.971E-02	-1.721E-01	-4.093E+04	-3.905E+03	-1.383E+03	5.739E-02	-1.635E+00	1.673E+00	-3.853E+03	-4.098E+04	1.608E+00
327	4	25670.74	-20.12	52.50	1	-1.291E+00	-1.574E-01	-1.524E-02	-5.770E+04	-1.692E+04	1.857E+03	-1.572E-01	-1.291E+00	1.584E+00	-1.683E+04	-5.779E+04	1.525E+00
328	1	25716.24	-60.35	52.50	1	-1.619E+00	2.960E-02	1.096E-02	-3.993E+04	-1.397E+03	-8.657E+02	2.967E-02	-1.619E+00	1.564E+00	-1.377E+03	-3.995E+04	1.593E+00
328	2	25725.74	-100.58	52.50	1	-1.640E+00	1.230E-01	-4.469E-02	-2.580E+04	-3.819E+03	-1.045E+02	1.242E-01	-1.642E+00	1.596E+00	-3.818E+03	-2.580E+04	1.576E+00
328	3	25735.24	-60.35	52.50	1	-1.676E+00	5.512E-02	7.757E-03	-4.001E+04	-5.075E+02	2.914E+03	5.516E-02	-1.676E+00	1.566E+00	-2.936E+02	-4.022E+04	1.498E+00
328	4	25725.74	-20.12	52.50	1	-1.654E+00	-3.832E-02	6.341E-02	-5.424E+04	8.044E+02	5.206E+02	-3.583E-02	-1.657E+00	1.532E+00	8.094E+02	-5.425E+04	1.561E+00
329	1	25524.74	60.35	52.50	1	-1.626E+00	5.179E-02	3.942E-03	-4.002E+04	-5.111E+02	2.908E+03	5.180E-02	-1.626E+00	1.568E+00	-2.982E+02	-4.023E+04	1.498E+00
329	2	25534.24	20.12	52.50	1	-1.609E+00	-3.871E-02	5.149E-02	-5.425E+04	8.010E+02	-5.190E+02	-3.702E-02	-1.610E+00	1.538E+00	8.058E+02	-5.425E+04	1.580E+00
329	3	25543.74	60.35	52.50	1	-1.578E+00	3.009E-02	7.107E-03	-3.995E+04	-1.396E+03	-8.700E+02	3.012E-02	-1.578E+00	1.566E+00	-1.377E+03	-3.997E+04	1.593E+00
329	4	25534.24	100.58	52.50	1	-1.595E+00	1.206E-01	-4.044E-02	-2.582E+04	-3.819E+03	-1.055E+02	1.215E-01	-1.596E+00	1.594E+00	-3.819E+03	-2.582E+04	1.576E+00
330	1	25562.07	60.35	52.50	1	-1.578E+00	3.146E-02	-1.708E-01	-4.094E+04	-3.911E+03	-1.380E+03	4.939E-02	-1.596E+00	1.675E+00	-3.860E+03	-4.099E+04	1.608E+00

330	2	25589.24	20.12	52.50	1	-1.271E+00	-1.579E-01	-2.420E-02	-5.770E+04	-1.692E+04	-1.857E+03	-1.574E-01	-1.271E+00	1.593E+00	-1.684E+04	-5.779E+04	1.616E+00
330	3	25616.40	60.35	52.50	1	-9.904E-01	-1.785E-01	-1.884E-01	-3.918E+04	-2.113E+04	-1.392E+03	-1.368E-01	-1.032E+00	1.788E+00	-2.102E+04	-3.928E+04	1.647E+00
330	4	25589.24	100.58	52.50	1	-1.297E+00	1.093E-02	-3.351E-01	-1.983E+04	-1.597E+04	-2.149E+03	9.177E-02	-1.378E+00	1.808E+00	-1.501E+04	-2.079E+04	1.990E+00
331	1	25643.57	60.35	52.50	1	-9.913E-01	-1.841E-01	1.899E-01	-3.918E+04	-2.114E+04	-1.397E+03	-1.417E-01	-1.034E+00	1.351E+00	-2.103E+04	-3.928E+04	1.648E+00
331	2	25670.74	20.12	52.50	1	-1.291E+00	-1.574E-01	1.524E-02	-5.770E+04	-1.692E+04	1.857E+03	-1.572E-01	-1.291E+00	1.557E+00	-1.683E+04	-5.779E+04	1.525E+00
331	3	25697.90	60.35	52.50	1	-1.617E+00	3.971E-02	1.721E-01	-4.093E+04	-3.905E+03	1.383E+03	5.739E-02	-1.635E+00	1.468E+00	-3.853E+03	-4.098E+04	1.534E+00
331	4	25670.74	100.58	52.50	1	-1.317E+00	1.296E-02	3.467E-01	-1.982E+04	-1.597E+04	2.137E+03	9.789E-02	-1.402E+00	1.331E+00	-1.502E+04	-2.077E+04	1.152E+00
332	1	25716.24	60.35	52.50	1	-1.619E+00	2.960E-02	-1.096E-02	-3.993E+04	-1.397E+03	8.657E+02	2.967E-02	-1.619E+00	1.577E+00	-1.377E+03	-3.995E+04	1.548E+00
332	2	25725.74	20.12	52.50	1	-1.654E+00	-3.832E-02	-6.341E-02	-5.424E+04	8.044E+02	5.206E+02	-3.583E-02	-1.657E+00	1.610E+00	8.094E+02	-5.425E+04	1.561E+00
332	3	25735.24	60.35	52.50	1	-1.676E+00	5.512E-02	-7.757E-03	-4.001E+04	-5.075E+02	-2.914E+03	5.516E-02	-1.676E+00	1.575E+00	-2.936E+02	-4.022E+04	1.644E+00
332	4	25725.74	100.58	52.50	1	-1.640E+00	1.230E-01	4.469E-02	-2.580E+04	-3.819E+03	1.045E+02	1.242E-01	-1.642E+00	1.545E+00	-3.818E+03	-2.580E+04	1.566E+00
333	1	25534.24	125.95	52.50	1	-3.963E-02	-2.663E+00	-1.547E-01	2.066E+03	-1.197E+04	2.290E+02	-3.055E-02	-2.672E+00	-5.868E-02	2.070E+03	-1.197E+04	1.631E-02
333	2	25543.74	136.45	52.50	1	2.937E-01	-3.690E+00	-4.804E-01	4.198E+03	-4.377E+03	1.098E+03	3.508E-01	-3.747E+00	-1.183E-01	4.337E+03	-4.515E+03	1.253E-01
333	3	25534.24	146.95	52.50	1	2.479E-02	-2.679E+00	-8.203E-01	2.339E+03	1.677E+03	1.073E+03	2.542E-01	-2.908E+00	-2.727E-01	3.131E+03	8.858E+02	6.358E-01
333	4	25524.74	136.45	52.50	1	-3.085E-01	-1.652E+00	-4.945E-01	5.294E+02	-6.161E+03	1.693E+03	-1.461E-01	-1.815E+00	-3.173E-01	9.333E+02	-6.565E+03	2.342E-01
334	1	25589.24	125.95	52.50	1	-6.405E-02	-1.797E+00	7.015E-01	-4.428E+03	-9.097E+03	2.010E+03	1.843E-01	-2.045E+00	3.403E-01	-3.682E+03	-9.843E+03	3.554E-01
334	2	25616.40	136.45	52.50	1	-3.274E-02	1.197E-01	7.346E-01	-7.978E+03	-7.202E+03	6.547E+02	7.820E-01	-6.950E-01	8.371E-01	-6.829E+03	-8.351E+03	1.053E+00
334	3	25589.24	146.95	52.50	1	-3.217E-03	-1.823E+00	7.008E-01	-4.192E+03	-2.281E+03	1.277E+03	2.354E-01	-2.061E+00	3.282E-01	-1.641E+03	-4.831E+03	1.107E+00
334	4	25562.07	136.45	52.50	1	-3.453E-02	-3.739E+00	6.676E-01	-6.429E+02	-6.283E+03	2.083E+03	8.211E-02	-3.856E+00	1.730E-01	4.269E+01	-6.969E+03	3.180E-01
335	1	25670.74	125.95	52.50	1	-6.541E-02	-1.840E+00	-7.074E-01	-4.425E+03	-9.075E+03	-2.003E+03	1.820E-01	-2.087E+00	-3.365E-01	-3.681E+03	-9.819E+03	-3.556E-01
335	2	25697.90	136.45	52.50	1	-3.789E-02	-3.823E+00	-6.757E-01	-6.378E+02	-6.233E+03	-2.075E+03	7.912E-02	-3.940E+00	-1.715E-01	4.761E+01	-6.919E+03	-3.191E-01
335	3	25670.74	146.95	52.50	1	-8.527E-03	-1.864E+00	-7.067E-01	-4.192E+03	-2.258E+03	-1.259E+03	2.299E-01	-2.103E+00	-3.255E-01	-1.638E+03	-4.812E+03	2.029E+00
335	4	25643.57	136.45	52.50	1	-3.605E-02	1.192E-01	-7.383E-01	-7.980E+03	-7.201E+03	6.413E+02	7.839E-01	-7.008E-01	2.304E+00	-6.840E+03	-8.341E+03	1.058E+00
336	1	25725.74	125.95	52.50	1	-4.023E-02	-2.729E+00	1.658E-01	2.074E+03	-1.193E+04	-2.241E+02	-3.004E-02	-2.739E+00	6.137E-02	2.078E+03	-1.193E+04	-1.600E-02
336	2	25735.24	136.45	52.50	1	-3.151E-01	-1.700E+00	5.112E-01	5.247E+02	-6.124E+03	-1.687E+03	-1.469E-01	-1.868E+00	3.180E-01	9.281E+02	-6.527E+03	-2.348E-01
336	3	25725.74	146.95	52.50	1	2.250E-02	-2.744E+00	8.429E-01	2.343E+03	1.720E+03	-1.076E+03	2.591E-01	-2.981E+00	2.736E-01	3.151E+03	9.117E+02	-6.447E-01
336	4	25716.24	136.45	52.50	1	2.974E-01	-3.773E+00	4.975E-01	4.208E+03	-4.326E+03	-1.089E+03	3.573E-01	-3.833E+00	1.199E-01	4.344E+03	-4.463E+03	-1.250E-01
337	1	25534.24	157.45	52.50	1	3.786E-01	-3.206E-01	-9.128E-01	2.884E+03	2.475E+03	1.693E+03	1.006E+00	-9.484E-01	-6.025E-01	4.385E+03	9.740E+02	7.253E-01
337	2	25543.74	167.95	52.50	1	-4.633E-01	6.276E-01	-7.836E-01	3.733E+03	1.453E+03	7.955E+02	1.037E+00	-8.726E-01	2.052E+00	3.983E+03	1.203E+03	3.046E-01
337	3	25534.24	178.45	52.50	1	-8.315E-01	-2.744E-02	-3.892E-01	1.841E+03	4.464E+02	1.115E+03	1.301E-01	-9.890E-01	1.955E+00	2.459E+03	-1.713E+02	5.059E-01
337	4	25524.74	167.95	52.50	1	1.041E-02	-9.756E-01	-5.184E-01	4.215E+02	1.903E+03	1.229E+03	2.328E-01	-1.198E+00	-4.052E-01	2.597E+03	-2.728E+02	1.057E+00
338	1	25589.24	157.45	52.50	1	2.896E-01	1.295E-01	7.522E-01	-3.900E+03	-7.501E+02	8.933E+02	9.660E-01	-5.469E-01	7.324E-01	-5.144E+02	-4.136E+03	1.313E+00
338	2	25616.40	167.95	52.50	1	4.532E-01	-6.455E-01	9.326E-01	-8.267E+03	-9.893E+02	9.967E+01	9.862E-01	-1.179E+00	5.192E-01	-9.879E+02	-8.269E+03	1.557E+00
338	3	25589.24	178.45	52.50	1	6.174E-01	-9.838E-03	7.525E-01	-3.951E+03	-2.495E+02	1.370E+02	1.119E+00	-5.114E-01	5.880E-01	-2.444E+02	-3.956E+03	1.534E+00
338	4	25562.07	167.95	52.50	1	4.538E-01	7.652E-01	5.721E-01	4.155E+02	-3.718E+02	3.238E+02	1.202E+00	1.662E-02	9.182E-01	5.316E+02	-4.878E+02	3.442E-01
339	1	25670.74	157.45	52.50	1	2.908E-01	1.317E-01	-7.577E-01	-3.905E+03	-7.570E+02	-8.722E+02	9.732E-01	-5.506E-01	-7.331E-01	-5.315E+02	-4.131E+03	1.824E+00
339	2	25697.90	167.95	52.50	1	4.498E-01	7.747E-01	-5.834E-01	4.011E+02	-3.843E+02	-3.116E+02	1.218E+00	6.631E-03	2.220E+00	5.097E+02	-4.929E+02	-3.353E-01
339	3	25670.74	178.45	52.50	1	6.080E-01	-3.150E-03	-7.580E-01	-3.959E+03	-2.551E+02	-1.194E+02	1.120E+00	-5.148E-01	-5.938E-01	-2.512E+02	-3.963E+03	1.603E+00
339	4	25643.57	167.95	52.50	1	4.491E-01	-6.461E-01	-9.323E-01	-8.266E+03	-9.916E+02	8.086E+01	9.827E-01	-1.180E+00	-5.199E-01	-9.907E+02	-8.267E+03	1.560E+00
340	1	25725.74	157.45	52.50	1	3.845E-01	-3.305E-01	9.335E-01	2.878E+03	2.465E+03	-1.696E+03	1.027E+00	-9.726E-01	6.025E-01	4.380E+03	9.621E+02	-7.248E-01
340	2	25735.24	167.95	52.50	1	8.286E-03	-9.979E-01	5.313E-01	4.238E+02	1.903E+03	-1.225E+03	2.369E-01	-1.226E+00	4.063E-01	2.594E+03	-2.673E+02	2.085E+00
340	3	25725.74	178.45	52.50	1	-8.508E-01	-3.130E-02	3.999E-01	1.825E+03	4.436E+02	-1.111E+03	1.315E-01	-1.014E+00	1.184E+00	2.442E+03	-1.735E+02	-5.072E-01
340	4	25716.24	167.95	52.50	1	-4.745E-01	6.360E-01	8.021E-01	3.711E+03	1.438E+03	-7.856E+02	1.056E+00	-8.948E-01	1.088E+00	3.956E+03	1.193E+03	-3.024E-01



341	1	28087.74	-167.95	55.05	1	-6.693E-17	-5.159E-16	-3.479E-17	1.807E+03	3.463E+02	1.247E+03	-6.425E-17	-5.186E-16	0.000E+00	2.522E+03	-3.688E+02	5.205E-01
341	2	28097.24	-178.45	55.05	1	-2.485E-16	3.003E-16	3.360E-32	5.099E+02	2.045E+03	1.153E+03	3.003E-16	-2.485E-16	1.571E+00	2.663E+03	-1.079E+02	1.079E+00
341	3	28106.74	-167.95	55.05	1	4.895E-16	-6.903E-17	-6.840E-32	1.716E+03	4.083E+03	8.664E+02	4.895E-16	-6.903E-17	0.000E+00	4.366E+03	1.433E+03	1.255E+00
341	4	28097.24	-157.45	55.05	1	-4.802E-16	2.661E-16	-4.570E-32	2.553E+03	2.988E+03	1.535E+03	2.661E-16	-4.802E-16	1.571E+00	4.321E+03	1.221E+03	8.559E-01
342	1	28125.07	-167.95	55.05	1	5.044E-18	-3.751E-16	-1.603E-16	-1.808E+02	6.767E+02	4.224E+02	6.362E-17	-4.337E-16	0.000E+00	8.498E+02	-3.539E+02	1.182E+00
342	2	28152.24	-178.45	55.05	1	-3.807E-16	2.515E-16	3.871E-32	-2.896E+02	-3.956E+03	2.746E+02	2.515E-16	-3.807E-16	1.571E+00	-2.691E+02	-3.977E+03	7.432E-02
342	3	28179.40	-167.95	55.05	1	2.766E-16	-3.895E-16	-8.157E-32	-1.248E+03	-8.512E+03	-1.569E+02	2.766E-16	-3.895E-16	0.000E+00	-1.245E+03	-8.516E+03	-2.158E-02
342	4	28152.24	-157.45	55.05	1	-6.053E-16	2.515E-16	-5.246E-32	-7.686E+02	-3.879E+03	1.173E+03	2.515E-16	-6.053E-16	1.571E+00	-3.761E+02	-4.272E+03	3.230E-01
343	1	28206.57	-167.95	55.05	1	-1.242E-17	5.363E-17	-3.636E-17	-1.248E+03	-8.512E+03	-1.569E+02	6.972E-17	-2.851E-17	1.571E+00	-1.245E+03	-8.516E+03	-2.158E-02
343	2	28233.74	-178.45	55.05	1	-2.437E-16	4.418E-16	4.197E-32	-2.896E+02	-3.956E+03	-2.746E+02	4.418E-16	-2.437E-16	1.571E+00	-2.691E+02	-3.977E+03	-7.432E-02
343	3	28260.90	-167.95	55.05	1	3.843E-16	-3.638E-17	-5.151E-32	-1.808E+02	6.767E+02	-4.224E+02	3.843E-16	-3.638E-17	0.000E+00	8.498E+02	-3.539E+02	1.960E+00
343	4	28233.74	-157.45	55.05	1	-2.221E-16	4.131E-16	-3.890E-32	-7.686E+02	-3.879E+03	-1.173E+03	4.131E-16	-2.221E-16	1.571E+00	-3.761E+02	-4.272E+03	-3.230E-01
344	1	28279.24	-167.95	55.05	1	-9.416E-17	-2.768E-16	-5.474E-17	1.716E+03	4.083E+03	-8.664E+02	-7.901E-17	-2.920E-16	0.000E+00	4.366E+03	1.433E+03	1.887E+00
344	2	28288.74	-178.45	55.05	1	-2.249E-16	3.152E-16	3.307E-32	5.099E+02	2.045E+03	-1.153E+03	3.152E-16	-2.249E-16	1.571E+00	2.663E+03	-1.079E+02	2.063E+00
344	3	28298.24	-167.95	55.05	1	6.787E-16	1.511E-17	-8.126E-32	1.807E+03	3.463E+02	-1.247E+03	6.787E-16	1.511E-17	0.000E+00	2.522E+03	-3.688E+02	-5.205E-01
344	4	28288.74	-157.45	55.05	1	-2.492E-16	4.818E-16	-4.476E-32	2.553E+03	2.988E+03	-1.535E+03	4.818E-16	-2.492E-16	1.571E+00	4.321E+03	1.221E+03	2.286E+00
345	1	28097.24	-146.95	55.05	1	-2.996E-16	-8.574E-17	1.265E-16	2.242E+03	6.155E+02	-9.194E+02	-2.704E-17	-3.583E-16	1.571E+00	2.656E+03	2.012E+02	-4.233E-01
345	2	28106.74	-136.45	55.05	1	-4.020E-16	1.040E-15	8.832E-32	3.975E+03	-5.683E+03	-1.167E+03	1.040E-15	-4.020E-16	1.571E+00	4.114E+03	-5.822E+03	-1.186E-01
345	3	28097.24	-125.95	55.05	1	8.311E-16	-9.247E-16	-2.150E-31	1.910E+03	-1.304E+04	-2.771E+02	8.311E-16	-9.247E-16	0.000E+00	1.915E+03	-1.305E+04	-1.853E-02
345	4	28087.74	-136.45	55.05	1	-1.223E-15	1.052E-16	-8.129E-32	6.590E+02	-7.110E+03	-1.731E+03	1.052E-16	-1.223E-15	1.571E+00	1.027E+03	-7.478E+03	-2.096E-01
346	1	28152.24	-146.95	55.05	1	-4.555E-16	-1.462E-16	-3.265E-16	-4.286E+03	-3.046E+03	-1.522E+03	6.041E-17	-6.621E-16	1.571E+00	-2.022E+03	-5.310E+03	2.163E+00
346	2	28179.40	-136.45	55.05	1	-1.370E-15	3.934E-16	1.080E-31	-7.973E+03	-7.642E+03	6.831E+02	3.934E-16	-1.370E-15	1.571E+00	-7.104E+03	-8.510E+03	9.041E-01
346	3	28152.24	-125.95	55.05	1	4.212E-16	-1.626E-15	-2.507E-31	-4.499E+03	-9.826E+03	-2.038E+03	4.212E-16	-1.626E-15	0.000E+00	-3.809E+03	-1.052E+04	-3.266E-01
346	4	28125.07	-136.45	55.05	1	-1.264E-15	4.339E-16	-1.039E-31	-8.147E+02	-7.591E+03	-2.141E+03	4.339E-16	-1.264E-15	1.571E+00	-1.947E+02	-8.210E+03	-2.818E-01
347	1	28233.74	-146.95	55.05	1	1.953E-16	-2.510E-19	-3.010E-16	-4.286E+03	-3.046E+03	1.522E+03	4.140E-16	-2.189E-16	0.000E+00	-2.022E+03	-5.310E+03	9.789E-01
347	2	28260.90	-136.45	55.05	1	-3.437E-16	6.973E-16	6.374E-32	-8.147E+02	-7.591E+03	2.141E+03	6.973E-16	-3.437E-16	1.571E+00	-1.947E+02	-8.210E+03	2.818E-01
347	3	28233.74	-125.95	55.05	1	8.373E-16	-3.445E-16	-1.447E-31	-4.499E+03	-9.826E+03	2.038E+03	8.373E-16	-3.445E-16	0.000E+00	-3.809E+03	-1.052E+04	3.266E-01
347	4	28206.57	-136.45	55.05	1	-3.333E-16	6.676E-16	-6.128E-32	-7.973E+03	-7.642E+03	6.831E+02	6.676E-16	-3.333E-16	1.571E+00	-7.104E+03	-8.510E+03	9.041E-01
348	1	28288.74	-146.95	55.05	1	2.387E-16	1.501E-16	5.368E-17	2.242E+03	6.155E+02	9.194E+02	2.640E-16	1.248E-16	0.000E+00	2.656E+03	2.012E+02	4.233E-01
348	2	28298.24	-136.45	55.05	1	-1.716E-16	1.192E-15	8.349E-32	6.590E+02	-7.110E+03	1.731E+03	1.192E-15	-1.716E-16	1.571E+00	1.027E+03	-7.478E+03	2.096E-01
348	3	28288.74	-125.95	55.05	1	8.809E-16	-9.786E-16	-2.277E-31	1.910E+03	-1.304E+04	2.771E+02	8.809E-16	-9.786E-16	0.000E+00	1.915E+03	-1.305E+04	1.853E-02
348	4	28279.24	-136.45	55.05	1	-9.899E-16	2.607E-16	-7.658E-32	3.975E+03	-5.683E+03	1.167E+03	2.607E-16	-9.899E-16	1.571E+00	4.114E+03	-5.822E+03	1.186E-01
349	1	28087.74	-60.35	55.05	1	-1.544E-15	-5.821E-17	-3.583E-16	-4.091E+04	-5.331E+02	-2.885E+03	2.366E-17	-1.626E-15	1.571E+00	-3.280E+02	-4.111E+04	1.642E+00
349	2	28097.24	-100.58	55.05	1	-1.348E-15	-7.147E-17	7.814E-32	-2.674E+04	-3.852E+03	1.369E+02	-7.147E-17	-1.348E-15	1.571E+00	-3.852E+03	-2.674E+04	1.565E+00
349	3	28106.74	-60.35	55.05	1	3.163E-16	-1.221E-15	-1.882E-31	-4.082E+04	-1.395E+03	8.799E+02	3.163E-16	-1.221E-15	0.000E+00	-1.375E+03	-4.084E+04	1.548E+00
349	4	28097.24	-20.12	55.05	1	-1.631E-15	5.433E-16	-1.331E-31	-5.510E+04	7.930E+02	5.150E+02	5.433E-16	-1.631E-15	1.571E+00	7.978E+02	-5.510E+04	1.562E+00
350	1	28125.07	-60.35	55.05	1	-9.885E-16	8.875E-16	-1.053E-15	-4.182E+04	-3.926E+03	1.388E+03	1.360E-15	-1.461E-15	1.571E+00	-3.876E+03	-4.187E+04	1.534E+00
350	2	28152.24	-100.58	55.05	1	-1.465E-15	1.009E-15	1.515E-31	-2.069E+04	-1.597E+04	2.144E+03	1.009E-15	-1.465E-15	1.571E+00	-1.514E+04	-2.152E+04	1.202E+00
350	3	28179.40	-60.35	55.05	1	2.991E-15	-7.976E-16	-4.640E-31	-4.003E+04	-2.100E+04	1.408E+03	2.991E-15	-7.976E-16	0.000E+00	-2.090E+04	-4.013E+04	1.497E+00
350	4	28152.24	-20.12	55.05	1	-1.033E-15	3.582E-15	-2.826E-31	-5.855E+04	-1.690E+04	1.869E+03	3.582E-15	-1.033E-15	1.571E+00	-1.681E+04	-5.863E+04	1.526E+00
351	1	28206.57	-60.35	55.05	1	1.768E-15	-3.970E-15	9.171E-16	-4.003E+04	-2.100E+04	1.408E+03	1.911E-15	-4.113E-15	0.000E+00	-2.090E+04	-4.013E+04	1.497E+00
351	2	28233.74	-100.58	55.05	1	-7.084E-16	8.490E-16	9.536E-32	-2.069E+04	-1.597E+04	-2.144E+03	8.490E-16	-7.084E-16	1.571E+00	-1.514E+04	-2.152E+04	1.939E+00
351	3	28260.90	-60.35	55.05	1	-2.767E-16	-3.933E-15	-4.477E-31	-4.182E+04	-3.926E+03	-1.388E+03	-2.767E-16	-3.933E-15	0.000E+00	-3.876E+03	-4.187E+04	1.607E+00

351	4	28233.74	-20.12	55.05	1	-7.834E-15	1.282E-15	-5.582E-31	-5.855E+04	-1.690E+04	-1.869E+03	1.282E-15	-7.834E-15	1.571E+00	-1.681E+04	-5.863E+04	1.616E+00
352	1	28279.24	-60.35	55.05	1	-1.144E-15	4.165E-16	7.271E-17	-4.082E+04	-1.395E+03	-8.799E+02	4.199E-16	-1.148E-15	1.571E+00	-1.375E+03	-4.084E+04	1.593E+00
352	2	28288.74	-100.58	55.05	1	-1.511E-15	-3.132E-17	9.060E-32	-2.674E+04	-3.852E+03	-1.369E+02	-3.132E-17	-1.511E-15	1.571E+00	-3.852E+03	-2.674E+04	1.577E+00
352	3	28298.24	-60.35	55.05	1	8.308E-16	-7.932E-16	-1.989E-31	-4.091E+04	-5.331E+02	2.885E+03	8.308E-16	-7.932E-16	0.000E+00	-3.280E+02	-4.111E+04	1.500E+00
352	4	28288.74	-20.12	55.05	1	-1.254E-15	2.106E-15	-2.057E-31	-5.510E+04	7.930E+02	5.150E+02	2.106E-15	-1.254E-15	1.571E+00	7.978E+02	-5.510E+04	1.562E+00
353	1	28087.74	60.35	55.05	1	-8.540E-16	1.148E-16	5.838E-16	-4.091E+04	-5.331E+02	2.885E+03	3.890E-16	-1.128E-15	1.571E+00	-3.280E+02	-4.111E+04	1.500E+00
353	2	28097.24	20.12	55.05	1	-1.150E-15	7.135E-16	1.141E-31	-5.510E+04	7.930E+02	5.150E+02	7.135E-16	-1.150E-15	1.571E+00	7.978E+02	-5.510E+04	1.562E+00
353	3	28106.74	60.35	55.05	1	1.237E-16	-1.228E-15	-1.656E-31	-4.082E+04	-1.395E+03	-8.799E+02	1.237E-16	-1.228E-15	0.000E+00	-1.375E+03	-4.084E+04	1.593E+00
353	4	28097.24	100.58	55.05	1	-1.130E-15	-2.775E-16	-5.218E-32	-2.674E+04	-3.852E+03	-1.369E+02	-2.775E-16	-1.130E-15	1.571E+00	-3.852E+03	-2.674E+04	1.577E+00
354	1	28125.07	60.35	55.05	1	-7.178E-16	-5.149E-16	1.244E-15	-4.182E+04	-3.926E+03	-1.388E+03	6.317E-16	-1.864E-15	1.571E+00	-3.876E+03	-4.187E+04	1.607E+00
354	2	28152.24	20.12	55.05	1	-2.820E-15	1.806E-15	2.833E-31	-5.855E+04	-1.690E+04	1.869E+03	1.806E-15	-2.820E-15	1.571E+00	-1.681E+04	-5.863E+04	1.526E+00
354	3	28179.40	60.35	55.05	1	1.235E-15	-4.837E-15	-7.436E-31	-4.003E+04	-2.100E+04	-1.408E+03	1.235E-15	-4.837E-15	0.000E+00	-2.090E+04	-4.013E+04	1.644E+00
354	4	28152.24	100.58	55.05	1	-4.426E-15	6.060E-16	-3.081E-31	-2.069E+04	-1.597E+04	-2.144E+03	6.060E-16	-4.426E-15	1.571E+00	-1.514E+04	-2.152E+04	1.939E+00
355	1	28206.57	60.35	55.05	1	-4.897E-15	-4.329E-15	4.586E-15	-4.003E+04	-2.100E+04	-1.408E+03	-1.867E-17	-9.207E-15	1.571E+00	-2.090E+04	-4.013E+04	1.644E+00
355	2	28233.74	20.12	55.05	1	-1.071E-14	-2.293E-15	5.153E-31	-5.855E+04	-1.690E+04	-1.869E+03	-2.293E-15	-1.071E-14	1.571E+00	-1.681E+04	-5.863E+04	1.616E+00
355	3	28260.90	60.35	55.05	1	-9.224E-16	-9.253E-15	-1.020E-30	-4.182E+04	-3.926E+03	1.388E+03	-9.224E-16	-9.253E-15	0.000E+00	-3.876E+03	-4.187E+04	1.534E+00
355	4	28233.74	100.58	55.05	1	-9.399E-15	2.999E-15	-7.591E-31	-2.069E+04	-1.597E+04	2.144E+03	2.999E-15	-9.399E-15	1.571E+00	-1.514E+04	-2.152E+04	1.202E+00
356	1	28279.24	60.35	55.05	1	-6.076E-15	-3.662E-15	4.043E-15	-4.082E+04	-1.395E+03	8.799E+02	-6.499E-16	-9.088E-15	1.571E+00	-1.375E+03	-4.084E+04	1.548E+00
356	2	28288.74	20.12	55.05	1	-8.526E-15	6.024E-16	5.589E-31	-5.510E+04	7.930E+02	5.150E+02	6.024E-16	-8.526E-15	1.571E+00	7.978E+02	-5.510E+04	1.562E+00
356	3	28298.24	60.35	55.05	1	6.236E-17	-1.310E-14	-1.612E-30	-4.091E+04	-5.331E+02	-2.885E+03	6.236E-17	-1.310E-14	0.000E+00	-3.280E+02	-4.111E+04	1.642E+00
356	4	28288.74	100.58	55.05	1	-1.767E-14	2.821E-15	-1.255E-30	-2.674E+04	-3.852E+03	1.369E+02	2.821E-15	-1.767E-14	1.571E+00	-3.852E+03	-2.674E+04	1.565E+00
357	1	28097.24	125.95	55.05	1	-9.025E-17	2.529E-15	1.223E-15	1.910E+03	-1.304E+04	2.771E+02	3.011E-15	-5.725E-16	1.571E+00	1.915E+03	-1.305E+04	1.853E-02
357	2	28106.74	136.45	55.05	1	-8.637E-16	3.120E-15	2.439E-31	3.975E+03	-5.683E+03	1.167E+03	3.120E-15	-8.637E-16	1.571E+00	4.114E+03	-5.822E+03	1.186E-01
357	3	28097.24	146.95	55.05	1	2.938E-15	-1.260E-16	-3.752E-31	2.242E+03	6.155E+02	9.194E+02	2.938E-15	-1.260E-16	0.000E+00	2.656E+03	2.012E+02	4.233E-01
357	4	28087.74	136.45	55.05	1	-4.492E-17	3.039E-15	-1.888E-31	6.590E+02	-7.110E+03	1.731E+03	3.039E-15	-4.492E-17	1.571E+00	1.027E+03	-7.478E+03	2.096E-01
358	1	28152.24	125.95	55.05	1	-1.308E-15	-2.628E-18	-1.221E-15	-4.499E+03	-9.826E+03	2.038E+03	7.291E-16	-2.040E-15	1.571E+00	-3.809E+03	-1.052E+04	3.266E-01
358	2	28179.40	136.45	55.05	1	-4.566E-15	6.612E-16	3.201E-31	-7.973E+03	-7.642E+03	6.831E+02	6.612E-16	-4.566E-15	1.571E+00	-7.104E+03	-8.510E+03	9.041E-01
358	3	28152.24	146.95	55.05	1	1.370E-15	-3.137E-15	-5.520E-31	-4.286E+03	-3.046E+03	1.522E+03	1.370E-15	-3.137E-15	0.000E+00	-2.022E+03	-5.310E+03	9.789E-01
358	4	28125.07	136.45	55.05	1	-1.829E-15	2.656E-15	-2.746E-31	-8.147E+02	-7.591E+03	2.141E+03	2.656E-15	-1.829E-15	1.571E+00	-1.947E+02	-8.210E+03	2.818E-01
359	1	28233.74	125.95	55.05	1	-6.120E-16	-8.323E-15	-5.611E-15	-4.499E+03	-9.826E+03	-2.038E+03	2.340E-15	-1.128E-14	0.000E+00	-3.809E+03	-1.052E+04	-3.266E-01
359	2	28260.90	136.45	55.05	1	-1.983E-14	4.269E-15	1.476E-30	-8.147E+02	-7.591E+03	-2.141E+03	4.269E-15	-1.983E-14	1.571E+00	-1.947E+02	-8.210E+03	-2.818E-01
359	3	28233.74	146.95	55.05	1	3.529E-15	-1.300E-14	-2.024E-30	-4.286E+03	-3.046E+03	-1.522E+03	3.529E-15	-1.300E-14	0.000E+00	-2.022E+03	-5.310E+03	2.163E+00
359	4	28206.57	136.45	55.05	1	-7.283E-15	4.442E-15	-7.179E-31	-7.973E+03	-7.642E+03	6.831E+02	4.442E-15	-7.283E-15	1.571E+00	-7.104E+03	-8.510E+03	9.041E-01
360	1	28288.74	125.95	55.05	1	-3.145E-15	9.558E-15	-3.589E-15	1.910E+03	-1.304E+04	-2.771E+02	1.050E-14	-4.089E-15	1.571E+00	1.915E+03	-1.305E+04	-1.853E-02
360	2	28298.24	136.45	55.05	1	-5.191E-15	3.139E-14	2.240E-30	6.590E+02	-7.110E+03	-1.731E+03	3.139E-14	-5.191E-15	1.571E+00	1.027E+03	-7.478E+03	-2.096E-01
360	3	28288.74	146.95	55.05	1	2.295E-14	-4.373E-15	-3.346E-30	2.242E+03	6.155E+02	-9.194E+02	2.295E-14	-4.373E-15	0.000E+00	2.656E+03	2.012E+02	-4.233E-01
360	4	28279.24	136.45	55.05	1	-1.360E-14	1.239E-14	-1.591E-30	3.975E+03	-5.683E+03	-1.167E+03	1.239E-14	-1.360E-14	1.571E+00	4.114E+03	-5.822E+03	-1.186E-01
361	1	28097.24	157.45	55.05	1	2.287E-16	1.250E-15	1.051E-15	2.988E+03	2.553E+03	1.535E+03	1.908E-15	-4.296E-16	1.571E+00	4.321E+03	1.221E+03	7.149E-01
361	2	28106.74	167.95	55.05	1	-9.398E-16	1.248E-15	1.339E-31	4.083E+03	1.716E+03	8.664E+02	1.248E-15	-9.398E-16	1.571E+00	4.366E+03	1.433E+03	3.160E-01
361	3	28097.24	178.45	55.05	1	1.798E-15	-2.131E-16	-2.463E-31	2.045E+03	5.099E+02	1.153E+03	1.798E-15	-2.131E-16	0.000E+00	2.663E+03	-1.079E+02	4.918E-01
361	4	28087.74	167.95	55.05	1	8.215E-17	2.674E-15	-1.587E-31	3.463E+02	1.807E+03	1.247E+03	2.674E-15	8.215E-17	1.571E+00	2.522E+03	-3.688E+02	1.050E+00
362	1	28152.24	157.45	55.05	1	-1.391E-15	5.069E-15	1.723E-15	-3.879E+03	-7.686E+02	1.173E+03	5.500E-15	-1.821E-15	1.571E+00	-3.761E+02	-4.272E+03	1.248E+00
362	2	28179.40	167.95	55.05	1	-1.296E-15	9.992E-15	6.912E-31	-8.512E+03	-1.248E+03	1.569E+02	9.992E-15	-1.296E-15	1.571E+00	-1.245E+03	-8.516E+03	1.549E+00

362	3	28152.24	178.45	55.05	1	4.711E-15	1.226E-15	-4.269E-31	-3.956E+03	-2.896E+02	2.746E+02	4.711E-15	1.226E-15	0.000E+00	-2.691E+02	-3.977E+03	1.496E+00
362	4	28125.07	167.95	55.05	1	-6.433E-16	1.562E-15	-1.350E-31	6.767E+02	-1.808E+02	4.224E+02	1.562E-15	-6.433E-16	1.571E+00	8.498E+02	-3.539E+02	3.890E-01
363	1	28233.74	157.45	55.05	1	-3.318E-15	-1.976E-14	-9.775E-15	-3.879E+03	-7.686E+02	-1.173E+03	1.234E-15	-2.431E-14	0.000E+00	-3.761E+02	-4.272E+03	1.894E+00
363	2	28260.90	167.95	55.05	1	-5.236E-14	1.645E-15	3.307E-30	6.767E+02	-1.808E+02	-4.224E+02	1.645E-15	-5.236E-14	1.571E+00	8.498E+02	-3.539E+02	-3.890E-01
363	3	28233.74	178.45	55.05	1	6.329E-16	-2.843E-14	-3.559E-30	-3.956E+03	-2.896E+02	-2.746E+02	6.329E-16	-2.843E-14	0.000E+00	-2.691E+02	-3.977E+03	1.645E+00
363	4	28206.57	167.95	55.05	1	-9.921E-15	9.766E-15	-1.205E-30	-8.512E+03	-1.248E+03	1.569E+02	9.766E-15	-9.921E-15	1.571E+00	-1.245E+03	-8.516E+03	1.549E+00
364	1	28288.74	157.45	55.05	1	9.427E-15	-1.752E-14	1.296E-14	2.988E+03	2.553E+03	-1.535E+03	1.465E-14	-2.275E-14	0.000E+00	4.321E+03	1.221E+03	-7.149E-01
364	2	28298.24	167.95	55.05	1	-1.774E-14	2.837E-14	2.823E-30	3.463E+02	1.807E+03	-1.247E+03	2.837E-14	-1.774E-14	1.571E+00	2.522E+03	-3.688E+02	2.091E+00
364	3	28288.74	178.45	55.05	1	3.621E-14	-3.308E-14	-8.485E-30	2.045E+03	5.099E+02	-1.153E+03	3.621E-14	-3.308E-14	0.000E+00	2.663E+03	-1.079E+02	-4.918E-01
364	4	28279.24	167.95	55.05	1	-4.432E-14	2.873E-14	-4.473E-30	4.083E+03	1.716E+03	-8.664E+02	2.873E-14	-4.432E-14	1.571E+00	4.366E+03	1.433E+03	-3.160E-01
365	1	30650.74	-167.95	57.60	1	-9.756E-01	1.041E-02	-5.184E-01	1.903E+03	4.215E+02	1.229E+03	2.328E-01	-1.198E+00	1.976E+00	2.597E+03	-2.728E+02	5.142E-01
365	2	30660.24	-178.45	57.60	1	-2.744E-02	-8.315E-01	-3.892E-01	4.464E+02	1.841E+03	1.115E+03	1.301E-01	-9.890E-01	-3.846E-01	2.459E+03	-1.713E+02	1.065E+00
365	3	30669.74	-167.95	57.60	1	6.276E-01	-4.633E-01	-7.836E-01	1.453E+03	3.733E+03	7.955E+02	1.037E+00	-8.726E-01	-4.813E-01	3.983E+03	1.203E+03	1.266E+00
365	4	30660.24	-157.45	57.60	1	-3.206E-01	3.786E-01	-9.128E-01	2.475E+03	2.884E+03	1.693E+03	1.006E+00	-9.484E-01	2.173E+00	4.385E+03	9.740E+02	8.455E-01
366	1	30688.07	-167.95	57.60	1	7.652E-01	4.538E-01	5.721E-01	-3.718E+02	4.155E+02	3.238E+02	1.202E+00	1.662E-02	6.526E-01	5.316E+02	-4.878E+02	1.227E+00
366	2	30715.24	-178.45	57.60	1	-9.838E-03	6.174E-01	7.525E-01	-2.495E+02	-3.951E+03	1.370E+02	1.119E+00	-5.114E-01	9.828E-01	-2.444E+02	-3.956E+03	3.694E-02
366	3	30742.40	-167.95	57.60	1	-6.455E-01	4.532E-01	9.326E-01	-9.893E+02	-8.267E+03	9.967E+01	9.862E-01	-1.179E+00	1.052E+00	-9.879E+02	-8.269E+03	1.369E-02
366	4	30715.24	-157.45	57.60	1	1.295E-01	2.896E-01	7.522E-01	-7.501E+02	-3.900E+03	8.933E+02	9.660E-01	-5.469E-01	8.384E-01	-5.144E+02	-4.136E+03	2.579E-01
367	1	30769.57	-167.95	57.60	1	-6.461E-01	4.491E-01	-9.323E-01	-9.916E+02	-8.266E+03	8.086E+01	9.827E-01	-1.180E+00	2.091E+00	-9.907E+02	-8.267E+03	1.111E-02
367	2	30796.74	-178.45	57.60	1	-3.150E-03	6.080E-01	-7.580E-01	-2.551E+02	-3.959E+03	-1.194E+02	1.120E+00	-5.148E-01	2.165E+00	-2.512E+02	-3.963E+03	-3.220E-02
367	3	30823.90	-167.95	57.60	1	7.747E-01	4.498E-01	-5.834E-01	-3.843E+02	4.011E+02	-3.116E+02	1.218E+00	6.631E-03	-6.496E-01	5.097E+02	-4.929E+02	1.906E+00
367	4	30796.74	-157.45	57.60	1	1.317E-01	2.908E-01	-7.577E-01	-7.570E+02	-3.905E+03	-8.722E+02	9.732E-01	-5.506E-01	2.304E+00	-5.315E+02	-4.131E+03	-2.530E-01
368	1	30842.24	-167.95	57.60	1	6.360E-01	-4.745E-01	8.021E-01	1.438E+03	3.711E+03	-7.856E+02	1.056E+00	-8.948E-01	4.826E-01	3.956E+03	1.193E+03	1.873E+00
368	2	30851.74	-178.45	57.60	1	-3.130E-02	-8.508E-01	3.999E-01	4.436E+02	1.825E+03	-1.111E+03	1.315E-01	-1.014E+00	3.866E-01	2.442E+03	-1.735E+02	2.078E+00
368	3	30861.24	-167.95	57.60	1	-9.979E-01	8.286E-03	5.313E-01	1.903E+03	4.238E+02	-1.225E+03	2.369E-01	-1.226E+00	1.164E+00	2.594E+03	-2.673E+02	-5.137E-01
368	4	30851.74	-157.45	57.60	1	-3.305E-01	3.845E-01	9.335E-01	2.465E+03	2.878E+03	-1.696E+03	1.027E+00	-9.726E-01	9.683E-01	4.380E+03	9.621E+02	2.296E+00
369	1	30660.24	-146.95	57.60	1	2.479E-02	-2.679E+00	8.203E-01	2.339E+03	1.677E+03	-1.073E+03	2.542E-01	-2.908E+00	2.727E-01	3.131E+03	8.858E+02	-6.358E-01
369	2	30669.74	-136.45	57.60	1	2.937E-01	-3.690E+00	4.804E-01	4.198E+03	-4.377E+03	-1.098E+03	3.508E-01	-3.747E+00	1.183E-01	4.337E+03	-4.515E+03	-1.253E-01
369	3	30660.24	-125.95	57.60	1	-3.963E-02	-2.663E+00	1.547E-01	2.066E+03	-1.197E+04	-2.290E+02	-3.055E-02	-2.672E+00	5.868E-02	2.070E+03	-1.197E+04	-1.631E-02
369	4	30650.74	-136.45	57.60	1	-3.085E-01	-1.652E+00	4.945E-01	5.294E+02	-6.161E+03	-1.693E+03	-1.461E-01	-1.815E+00	3.173E-01	9.333E+02	-6.565E+03	-2.342E-01
370	1	30715.24	-146.95	57.60	1	-3.217E-03	-1.823E+00	-7.008E-01	-4.192E+03	-2.281E+03	-1.277E+03	2.354E-01	-2.061E+00	-3.282E-01	-1.641E+03	-4.831E+03	2.035E+00
370	2	30742.40	-136.45	57.60	1	-3.274E-02	1.197E-01	-7.346E-01	-7.978E+03	-7.202E+03	-6.547E+02	7.820E-01	-6.950E-01	2.305E+00	-6.829E+03	-8.351E+03	2.089E+00
370	3	30715.24	-125.95	57.60	1	-6.405E-02	-1.797E+00	-7.015E-01	-4.428E+03	-9.097E+03	-2.010E+03	1.843E-01	-2.045E+00	-3.403E-01	-3.682E+03	-9.843E+03	-3.554E-01
370	4	30688.07	-136.45	57.60	1	-3.453E-02	-3.739E+00	-6.676E-01	-6.429E+02	-6.283E+03	-2.083E+03	8.211E-02	-3.856E+00	-1.730E-01	4.269E+01	-6.969E+03	-3.180E-01
371	1	30796.74	-146.95	57.60	1	-8.527E-03	-1.864E+00	7.067E-01	-4.192E+03	-2.258E+03	1.259E+03	2.299E-01	-2.103E+00	3.255E-01	-1.638E+03	-4.812E+03	1.113E+00
371	2	30823.90	-136.45	57.60	1	-3.789E-02	-3.823E+00	6.757E-01	-6.378E+02	-6.233E+03	2.075E+03	7.912E-02	-3.940E+00	1.715E-01	4.761E+01	-6.919E+03	3.191E-01
371	3	30796.74	-125.95	57.60	1	-6.541E-02	-1.840E+00	7.074E-01	-4.425E+03	-9.075E+03	2.003E+03	1.820E-01	-2.087E+00	3.365E-01	-3.681E+03	-9.819E+03	3.556E-01
371	4	30769.57	-136.45	57.60	1	-3.605E-02	1.192E-01	7.383E-01	-7.980E+03	-7.201E+03	-6.413E+02	7.839E-01	-7.008E-01	8.378E-01	-6.840E+03	-8.341E+03	2.083E+00
372	1	30851.74	-146.95	57.60	1	2.250E-02	-2.744E+00	-8.429E-01	2.343E+03	1.720E+03	1.076E+03	2.591E-01	-2.981E+00	-2.736E-01	3.151E+03	9.117E+02	6.447E-01
372	2	30861.24	-136.45	57.60	1	-3.151E-01	-1.700E+00	-5.112E-01	5.247E+02	-6.124E+03	1.687E+03	-1.469E-01	-1.868E+00	-3.180E-01	9.281E+02	-6.527E+03	2.348E-01
372	3	30851.74	-125.95	57.60	1	-4.023E-02	-2.729E+00	-1.658E-01	2.074E+03	-1.193E+04	2.241E+02	-3.004E-02	-2.739E+00	-6.137E-02	2.078E+03	-1.193E+04	1.600E-02
372	4	30842.24	-136.45	57.60	1	2.974E-01	-3.773E+00	-4.975E-01	4.208E+03	-4.326E+03	1.089E+03	3.573E-01	-3.833E+00	-1.199E-01	4.344E+03	-4.463E+03	1.250E-01
373	1	30650.74	-60.35	57.60	1	-1.626E+00	5.179E-02	-3.942E-03	-4.002E+04	-5.111E+02	-2.908E+03	5.180E-02	-1.626E+00	1.573E+00	-2.982E+02	-4.023E+04	1.644E+00

373	2	30660.24	-100.58	57.60	1	-1.595E+00	1.206E-01	4.044E-02	-2.582E+04	-3.819E+03	1.055E+02	1.215E-01	-1.596E+00	1.547E+00	-3.819E+03	-2.582E+04	1.566E+00
373	3	30669.74	-60.35	57.60	1	-1.578E+00	3.009E-02	-7.107E-03	-3.995E+04	-1.396E+03	8.700E+02	3.012E-02	-1.578E+00	1.575E+00	-1.377E+03	-3.997E+04	1.548E+00
373	4	30660.24	-20.12	57.60	1	-1.609E+00	-3.871E-02	-5.149E-02	-5.425E+04	8.010E+02	5.190E+02	-3.702E-02	-1.610E+00	1.604E+00	8.058E+02	-5.425E+04	1.561E+00
374	1	30688.07	-60.35	57.60	1	-1.578E+00	3.146E-02	1.708E-01	-4.094E+04	-3.911E+03	1.380E+03	4.939E-02	-1.596E+00	1.466E+00	-3.860E+03	-4.099E+04	1.534E+00
374	2	30715.24	-100.58	57.60	1	-1.297E+00	1.093E-02	3.351E-01	-1.983E+04	-1.597E+04	2.149E+03	9.177E-02	-1.378E+00	1.334E+00	-1.501E+04	-2.079E+04	1.152E+00
374	3	30742.40	-60.35	57.60	1	-9.904E-01	-1.785E-01	1.884E-01	-3.918E+04	-2.113E+04	1.392E+03	-1.368E-01	-1.032E+00	1.354E+00	-2.102E+04	-3.928E+04	1.494E+00
374	4	30715.24	-20.12	57.60	1	-1.271E+00	-1.579E-01	2.420E-02	-5.770E+04	-1.692E+04	1.857E+03	-1.574E-01	-1.271E+00	1.549E+00	-1.684E+04	-5.779E+04	1.525E+00
375	1	30769.57	-60.35	57.60	1	-9.913E-01	-1.841E-01	-1.899E-01	-3.918E+04	-2.114E+04	1.397E+03	-1.417E-01	-1.034E+00	1.791E+00	-2.103E+04	-3.928E+04	1.494E+00
375	2	30796.74	-100.58	57.60	1	-1.317E+00	1.296E-02	-3.467E-01	-1.982E+04	-1.597E+04	-2.137E+03	9.789E-02	-1.402E+00	1.811E+00	-1.502E+04	-2.077E+04	1.989E+00
375	3	30823.90	-60.35	57.60	1	-1.617E+00	3.971E-02	-1.721E-01	-4.093E+04	-3.905E+03	-1.383E+03	5.739E-02	-1.635E+00	1.673E+00	-3.853E+03	-4.098E+04	1.608E+00
375	4	30796.74	-20.12	57.60	1	-1.291E+00	-1.574E-01	-1.524E-02	-5.770E+04	-1.692E+04	-1.857E+03	-1.572E-01	-1.291E+00	1.584E+00	-1.683E+04	-5.779E+04	1.616E+00
376	1	30842.24	-60.35	57.60	1	-1.619E+00	2.960E-02	1.096E-02	-3.993E+04	-1.397E+03	-8.657E+02	2.967E-02	-1.619E+00	1.564E+00	-1.377E+03	-3.995E+04	1.593E+00
376	2	30851.74	-100.58	57.60	1	-1.640E+00	1.230E-01	-4.469E-02	-2.580E+04	-3.819E+03	-1.045E+02	1.242E-01	-1.642E+00	1.596E+00	-3.818E+03	-2.580E+04	1.576E+00
376	3	30861.24	-60.35	57.60	1	-1.676E+00	5.512E-02	7.757E-03	-4.001E+04	-5.075E+02	2.914E+03	5.516E-02	-1.676E+00	1.566E+00	-2.936E+02	-4.022E+04	1.498E+00
376	4	30851.74	-20.12	57.60	1	-1.654E+00	-3.832E-02	6.341E-02	-5.424E+04	8.044E+02	5.206E+02	-3.583E-02	-1.657E+00	1.532E+00	8.094E+02	-5.425E+04	1.561E+00
377	1	30650.74	60.35	57.60	1	-1.626E+00	5.179E-02	3.942E-03	-4.002E+04	-5.111E+02	2.908E+03	5.180E-02	-1.626E+00	1.568E+00	-2.982E+02	-4.023E+04	1.498E+00
377	2	30660.24	20.12	57.60	1	-1.609E+00	-3.871E-02	5.149E-02	-5.425E+04	8.010E+02	5.190E+02	-3.702E-02	-1.610E+00	1.538E+00	8.058E+02	-5.425E+04	1.561E+00
377	3	30669.74	60.35	57.60	1	-1.578E+00	3.009E-02	7.107E-03	-3.995E+04	-1.396E+03	-8.700E+02	3.012E-02	-1.578E+00	1.566E+00	-1.377E+03	-3.997E+04	1.593E+00
377	4	30660.24	100.58	57.60	1	-1.595E+00	1.206E-01	-4.044E-02	-2.582E+04	-3.819E+03	-1.055E+02	1.215E-01	-1.596E+00	1.594E+00	-3.819E+03	-2.582E+04	1.576E+00
378	1	30688.07	60.35	57.60	1	-1.578E+00	3.146E-02	-1.708E-01	-4.094E+04	-3.911E+03	-1.380E+03	4.939E-02	-1.596E+00	1.675E+00	-3.860E+03	-4.099E+04	1.608E+00
378	2	30715.24	20.12	57.60	1	-1.271E+00	-1.579E-01	-2.420E-02	-5.770E+04	-1.692E+04	1.857E+03	-1.574E-01	-1.271E+00	1.593E+00	-1.684E+04	-5.779E+04	1.525E+00
378	3	30742.40	60.35	57.60	1	-9.904E-01	-1.785E-01	-1.884E-01	-3.918E+04	-2.113E+04	-1.392E+03	-1.368E-01	-1.032E+00	1.788E+00	-2.102E+04	-3.928E+04	1.647E+00
378	4	30715.24	100.58	57.60	1	-1.297E+00	1.093E-02	-3.351E-01	-1.983E+04	-1.597E+04	-2.149E+03	9.177E-02	-1.378E+00	1.808E+00	-1.501E+04	-2.079E+04	1.990E+00
379	1	30769.57	60.35	57.60	1	-9.913E-01	-1.841E-01	1.899E-01	-3.918E+04	-2.114E+04	-1.397E+03	-1.417E-01	-1.034E+00	1.351E+00	-2.103E+04	-3.928E+04	1.648E+00
379	2	30796.74	20.12	57.60	1	-1.291E+00	-1.574E-01	1.524E-02	-5.770E+04	-1.692E+04	-1.857E+03	-1.572E-01	-1.291E+00	1.557E+00	-1.683E+04	-5.779E+04	1.616E+00
379	3	30823.90	60.35	57.60	1	-1.617E+00	3.971E-02	1.721E-01	-4.093E+04	-3.905E+03	1.383E+03	5.739E-02	-1.635E+00	1.468E+00	-3.853E+03	-4.098E+04	1.534E+00
379	4	30796.74	100.58	57.60	1	-1.317E+00	1.296E-02	3.467E-01	-1.982E+04	-1.597E+04	2.137E+03	9.789E-02	-1.402E+00	1.331E+00	-1.502E+04	-2.077E+04	1.152E+00
380	1	30842.24	60.35	57.60	1	-1.619E+00	2.960E-02	-1.096E-02	-3.993E+04	-1.397E+03	8.657E+02	2.967E-02	-1.619E+00	1.577E+00	-1.377E+03	-3.995E+04	1.548E+00
380	2	30851.74	20.12	57.60	1	-1.654E+00	-3.832E-02	-6.341E-02	-5.424E+04	8.044E+02	5.206E+02	-3.583E-02	-1.657E+00	1.610E+00	8.094E+02	-5.425E+04	1.561E+00
380	3	30861.24	60.35	57.60	1	-1.676E+00	5.512E-02	-7.757E-03	-4.001E+04	-5.075E+02	-2.914E+03	5.516E-02	-1.676E+00	1.575E+00	-2.936E+02	-4.022E+04	1.644E+00
380	4	30851.74	100.58	57.60	1	-1.640E+00	1.230E-01	4.469E-02	-2.580E+04	-3.819E+03	1.045E+02	1.242E-01	-1.642E+00	1.545E+00	-3.818E+03	-2.580E+04	1.566E+00
381	1	30660.24	125.95	57.60	1	-3.963E-02	-2.663E+00	-1.547E-01	2.066E+03	-1.197E+04	2.290E+02	-3.055E-02	-2.672E+00	-5.868E-02	2.070E+03	-1.197E+04	1.631E-02
381	2	30669.74	136.45	57.60	1	2.937E-01	-3.690E+00	-4.804E-01	4.198E+03	-4.377E+03	1.098E+03	3.508E-01	-3.747E+00	-1.183E-01	4.337E+03	-4.515E+03	1.253E-01
381	3	30660.24	146.95	57.60	1	2.479E-02	-2.679E+00	-8.203E-01	2.339E+03	1.677E+03	1.073E+03	2.542E-01	-2.908E+00	-2.727E-01	3.131E+03	8.858E+02	6.358E-01
381	4	30650.74	136.45	57.60	1	-3.085E-01	-1.652E+00	-4.945E-01	5.294E+02	-6.161E+03	1.693E+03	-1.461E-01	-1.815E+00	-3.173E-01	9.333E+02	-6.565E+03	2.342E-01
382	1	30715.24	125.95	57.60	1	-6.405E-02	-1.797E+00	7.015E-01	-4.428E+03	-9.097E+03	2.010E+03	1.843E-01	-2.045E+00	3.403E-01	-3.682E+03	-9.843E+03	3.554E-01
382	2	30742.40	136.45	57.60	1	-3.274E-02	1.197E-01	7.346E-01	-7.978E+03	-7.202E+03	6.547E+02	7.820E-01	-6.950E-01	8.371E-01	-6.829E+03	-8.351E+03	1.053E+00
382	3	30715.24	146.95	57.60	1	-3.217E-03	-1.823E+00	7.008E-01	-4.192E+03	-2.281E+03	1.277E+03	2.354E-01	-2.061E+00	3.282E-01	-1.641E+03	-4.831E+03	1.107E+00
382	4	30688.07	136.45	57.60	1	-3.453E-02	-3.739E+00	6.676E-01	-6.429E+02	-6.283E+03	2.083E+03	8.211E-02	-3.856E+00	1.730E-01	4.269E+01	-6.969E+03	3.180E-01
383	1	30796.74	125.95	57.60	1	-6.541E-02	-1.840E+00	-7.074E-01	-4.425E+03	-9.075E+03	-2.003E+03	1.820E-01	-2.087E+00	-3.365E-01	-3.681E+03	-9.819E+03	-3.556E-01
383	2	30823.90	136.45	57.60	1	-3.789E-02	-3.823E+00	-6.757E-01	-6.378E+02	-6.233E+03	-2.075E+03	7.912E-02	-3.940E+00	-1.715E-01	4.761E+01	-6.919E+03	-3.191E-01
383	3	30796.74	146.95	57.60	1	-8.527E-03	-1.864E+00	-7.067E-01	-4.192E+03	-2.258E+03	-1.259E+03	2.299E-01	-2.103E+00	-3.255E-01	-1.638E+03	-4.812E+03	2.029E+00
383	4	30769.57	136.45	57.60	1	-3.605E-02	1.192E-01	-7.383E-01	-7.980E+03	-7.201E+03	6.413E+02	7.839E-01	-7.008E-01	2.304E+00	-6.840E+03	-8.341E+03	1.058E+00

384	1	30851.74	125.95	57.60	1	-4.023E-02	-2.729E+00	1.658E-01	2.074E+03	-1.193E+04	-2.241E+02	-3.004E-02	-2.739E+00	6.137E-02	2.078E+03	-1.193E+04	-1.600E-02
384	2	30861.24	136.45	57.60	1	-3.151E-01	-1.700E+00	5.112E-01	5.247E+02	-6.124E+03	-1.687E+03	-1.469E-01	-1.868E+00	3.180E-01	9.281E+02	-6.527E+03	-2.348E-01
384	3	30851.74	146.95	57.60	1	2.250E-02	-2.744E+00	8.429E-01	2.343E+03	1.720E+03	-1.076E+03	2.591E-01	-2.981E+00	2.736E-01	3.151E+03	9.117E+02	-6.447E-01
384	4	30842.24	136.45	57.60	1	2.974E-01	-3.773E+00	4.975E-01	4.208E+03	-4.326E+03	-1.089E+03	3.573E-01	-3.833E+00	1.199E-01	4.344E+03	-4.463E+03	-1.250E-01
385	1	30660.24	157.45	57.60	1	3.786E-01	-3.206E-01	-9.128E-01	2.884E+03	2.475E+03	1.693E+03	1.006E+00	-9.484E-01	-6.025E-01	4.385E+03	9.740E+02	7.253E-01
385	2	30669.74	167.95	57.60	1	-4.633E-01	6.276E-01	-7.836E-01	3.733E+03	1.453E+03	7.955E+02	1.037E+00	-8.726E-01	2.052E+00	3.983E+03	1.203E+03	3.046E-01
385	3	30660.24	178.45	57.60	1	-8.315E-01	-2.744E-02	-3.892E-01	1.841E+03	4.464E+02	1.115E+03	1.301E-01	-9.890E-01	1.955E+00	2.459E+03	-1.713E+02	5.059E-01
385	4	30650.74	167.95	57.60	1	1.041E-02	-9.756E-01	-5.184E-01	4.215E+02	1.903E+03	1.229E+03	2.328E-01	-1.198E+00	-4.052E-01	2.597E+03	-2.728E+02	1.057E+00
386	1	30715.24	157.45	57.60	1	2.896E-01	1.295E-01	7.522E-01	-3.900E+03	-7.501E+02	8.933E+02	9.660E-01	-5.469E-01	7.324E-01	-5.144E+02	-4.136E+03	1.313E+00
386	2	30742.40	167.95	57.60	1	4.532E-01	-6.455E-01	9.326E-01	-8.267E+03	-9.893E+02	9.967E+01	9.862E-01	-1.179E+00	5.192E-01	-9.879E+02	-8.269E+03	1.557E+00
386	3	30715.24	178.45	57.60	1	6.174E-01	-9.838E-03	7.525E-01	-3.951E+03	-2.495E+02	1.370E+02	1.119E+00	-5.114E-01	5.880E-01	-2.444E+02	-3.956E+03	1.534E+00
386	4	30688.07	167.95	57.60	1	4.538E-01	7.652E-01	5.721E-01	4.155E+02	-3.718E+02	3.238E+02	1.202E+00	1.662E-02	9.182E-01	5.316E+02	-4.878E+02	3.442E-01
387	1	30796.74	157.45	57.60	1	2.908E-01	1.317E-01	-7.577E-01	-3.905E+03	-7.570E+02	-8.722E+02	9.732E-01	-5.506E-01	-7.331E-01	-5.315E+02	-4.131E+03	1.824E+00
387	2	30823.90	167.95	57.60	1	4.498E-01	7.747E-01	-5.834E-01	4.011E+02	-3.843E+02	-3.116E+02	1.218E+00	6.631E-03	2.220E+00	5.097E+02	-4.929E+02	-3.353E-01
387	3	30796.74	178.45	57.60	1	6.080E-01	-3.150E-03	-7.580E-01	-3.959E+03	-2.551E+02	-1.194E+02	1.120E+00	-5.148E-01	-5.938E-01	-2.512E+02	-3.963E+03	1.603E+00
387	4	30769.57	167.95	57.60	1	4.491E-01	-6.461E-01	-9.323E-01	-8.266E+03	-9.916E+02	8.086E+01	9.827E-01	-1.180E+00	-5.199E-01	-9.907E+02	-8.267E+03	1.560E+00
388	1	30851.74	157.45	57.60	1	3.845E-01	-3.305E-01	9.335E-01	2.878E+03	2.465E+03	-1.696E+03	1.027E+00	-9.726E-01	6.025E-01	4.380E+03	9.621E+02	-7.248E-01
388	2	30861.24	167.95	57.60	1	8.286E-03	-9.979E-01	5.313E-01	4.238E+02	1.903E+03	-1.225E+03	2.369E-01	-1.226E+00	4.063E-01	2.594E+03	-2.673E+02	2.085E+00
388	3	30851.74	178.45	57.60	1	-8.508E-01	-3.130E-02	3.999E-01	1.825E+03	4.436E+02	-1.111E+03	1.315E-01	-1.014E+00	1.184E+00	2.442E+03	-1.735E+02	-5.072E-01
388	4	30842.24	167.95	57.60	1	-4.745E-01	6.360E-01	8.021E-01	3.711E+03	1.438E+03	-7.856E+02	1.056E+00	-8.948E-01	1.088E+00	3.956E+03	1.193E+03	-3.024E-01
389	1	33213.73	-167.95	60.15	1	-1.247E-15	-8.760E-15	4.084E-17	1.807E+03	3.463E+02	1.247E+03	-1.247E-15	-8.761E-15	0.000E+00	2.522E+03	-3.688E+02	5.205E-01
389	2	33223.23	-178.45	60.15	1	-3.365E-15	3.474E-15	4.188E-31	5.099E+02	2.045E+03	1.153E+03	3.474E-15	-3.365E-15	1.571E+00	2.663E+03	-1.079E+02	1.079E+00
389	3	33232.73	-167.95	60.15	1	8.782E-15	1.343E-15	-9.110E-31	1.716E+03	4.083E+03	8.664E+02	8.782E-15	1.343E-15	0.000E+00	4.366E+03	1.433E+03	1.255E+00
389	4	33223.23	-157.45	60.15	1	-3.305E-15	3.313E-15	-4.052E-31	2.553E+03	2.988E+03	1.535E+03	3.313E-15	-3.305E-15	1.571E+00	4.321E+03	1.221E+03	8.559E-01
390	1	33251.07	-167.95	60.15	1	-4.057E-16	-2.880E-15	-1.530E-17	-1.808E+02	6.767E+02	4.224E+02	-4.056E-16	-2.880E-15	0.000E+00	8.498E+02	-3.539E+02	1.182E+00
390	2	33278.23	-178.45	60.15	1	-3.387E-15	3.632E-15	4.298E-31	-2.896E+02	-3.956E+03	2.746E+02	3.632E-15	-3.387E-15	1.571E+00	-2.691E+02	-3.977E+03	7.432E-02
390	3	33305.40	-167.95	60.15	1	3.278E-15	3.411E-16	-3.596E-31	-1.248E+03	-8.512E+03	-1.569E+02	3.278E-15	3.411E-16	0.000E+00	-1.245E+03	-8.516E+03	-2.158E-02
390	4	33278.23	-157.45	60.15	1	-3.194E-15	3.283E-15	-3.965E-31	-7.686E+02	-3.879E+03	1.173E+03	3.283E-15	-3.194E-15	1.571E+00	-3.761E+02	-4.272E+03	3.230E-01
391	1	33332.57	-167.95	60.15	1	-5.086E-16	-2.598E-15	-1.340E-16	-1.248E+03	-8.512E+03	-1.569E+02	-5.000E-16	-2.606E-15	0.000E+00	-1.245E+03	-8.516E+03	-2.158E-02
391	2	33359.73	-178.45	60.15	1	-3.049E-15	3.508E-15	4.014E-31	-2.896E+02	-3.956E+03	-2.746E+02	3.508E-15	-3.049E-15	1.571E+00	-2.691E+02	-3.977E+03	-7.432E-02
391	3	33386.90	-167.95	60.15	1	3.535E-15	4.574E-16	-3.768E-31	-1.808E+02	6.767E+02	-4.224E+02	3.535E-15	4.574E-16	0.000E+00	8.498E+02	-3.539E+02	1.960E+00
391	4	33359.73	-157.45	60.15	1	-3.268E-15	3.695E-15	-4.264E-31	-7.686E+02	-3.879E+03	-1.173E+03	3.695E-15	-3.268E-15	1.571E+00	-3.761E+02	-4.272E+03	-3.230E-01
392	1	33405.23	-167.95	60.15	1	-1.356E-15	-8.572E-15	-1.277E-16	1.716E+03	4.083E+03	-8.664E+02	-1.354E-15	-8.575E-15	0.000E+00	4.366E+03	1.433E+03	1.887E+00
392	2	33414.73	-178.45	60.15	1	-3.173E-15	3.365E-15	4.003E-31	5.099E+02	2.045E+03	-1.153E+03	3.365E-15	-3.173E-15	1.571E+00	2.663E+03	-1.079E+02	2.063E+00
392	3	33424.23	-167.95	60.15	1	8.892E-15	1.503E-15	-9.049E-31	1.807E+03	3.463E+02	-1.247E+03	8.892E-15	1.503E-15	0.000E+00	2.522E+03	-3.688E+02	-5.205E-01
392	4	33414.73	-157.45	60.15	1	-3.412E-15	3.685E-15	-4.345E-31	2.553E+03	2.988E+03	-1.535E+03	3.685E-15	-3.412E-15	1.571E+00	4.321E+03	1.221E+03	2.286E+00
393	1	33223.23	-146.95	60.15	1	-4.152E-17	1.636E-16	-3.381E-15	2.242E+03	6.155E+02	-9.194E+02	3.444E-15	-3.322E-15	1.571E+00	2.656E+03	2.012E+02	-4.233E-01
393	2	33232.73	-136.45	60.15	1	1.541E-15	8.730E-15	4.402E-31	3.975E+03	-5.683E+03	-1.167E+03	8.730E-15	1.541E-15	1.571E+00	4.114E+03	-5.822E+03	-1.186E-01
393	3	33223.23	-125.95	60.15	1	3.487E-15	-3.326E-15	-8.344E-31	1.910E+03	-1.304E+04	-2.771E+02	3.487E-15	-3.326E-15	0.000E+00	1.915E+03	-1.305E+04	-1.853E-02
393	4	33213.73	-136.45	60.15	1	-8.761E-15	-1.227E-15	-4.614E-31	6.590E+02	-7.110E+03	-1.731E+03	-1.227E-15	-8.761E-15	1.571E+00	1.027E+03	-7.478E+03	-2.096E-01
394	1	33278.23	-146.95	60.15	1	2.547E-17	-1.272E-16	-3.626E-15	-4.286E+03	-3.046E+03	-1.522E+03	3.575E-15	-3.677E-15	0.000E+00	-2.022E+03	-5.310E+03	2.163E+00
394	2	33305.40	-136.45	60.15	1	1.201E-16	2.938E-15	1.726E-31	-7.973E+03	-7.642E+03	6.831E+02	2.938E-15	1.201E-16	1.571E+00	-7.104E+03	-8.510E+03	9.041E-01
394	3	33278.23	-125.95	60.15	1	2.930E-15	-3.334E-15	-7.672E-31	-4.499E+03	-9.826E+03	-2.038E+03	2.930E-15	-3.334E-15	0.000E+00	-3.809E+03	-1.052E+04	-3.266E-01

394	4	33251.07	-136.45	60.15	1	-3.307E-15	-2.576E-16	-1.867E-31	-8.147E+02	-7.591E+03	-2.141E+03	-2.576E-16	-3.307E-15	1.571E+00	-1.947E+02	-8.210E+03	-2.818E-01
395	1	33359.73	-146.95	60.15	1	4.158E-16	-1.728E-16	-3.355E-15	-4.286E+03	-3.046E+03	1.522E+03	3.489E-15	-3.246E-15	0.000E+00	-2.022E+03	-5.310E+03	9.789E-01
395	2	33386.90	-136.45	60.15	1	1.384E-16	3.587E-15	2.112E-31	-8.147E+02	-7.591E+03	2.141E+03	3.587E-15	1.384E-16	1.571E+00	-1.947E+02	-8.210E+03	2.818E-01
395	3	33359.73	-125.95	60.15	1	3.593E-15	-3.236E-15	-8.363E-31	-4.499E+03	-9.826E+03	2.038E+03	3.593E-15	-3.236E-15	0.000E+00	-3.809E+03	-1.052E+04	3.266E-01
395	4	33332.57	-136.45	60.15	1	-2.556E-15	-5.696E-16	-1.216E-31	-7.973E+03	-7.642E+03	6.831E+02	-5.696E-16	-2.556E-15	1.571E+00	-7.104E+03	-8.510E+03	9.041E-01
396	1	33414.73	-146.95	60.15	1	2.786E-16	5.104E-16	-2.961E-15	2.242E+03	6.155E+02	9.194E+02	3.358E-15	-2.569E-15	1.571E+00	2.656E+03	2.012E+02	4.233E-01
396	2	33424.23	-136.45	60.15	1	2.550E-15	8.917E-15	3.899E-31	6.590E+02	-7.110E+03	1.731E+03	8.917E-15	2.550E-15	1.571E+00	1.027E+03	-7.478E+03	2.096E-01
396	3	33414.73	-125.95	60.15	1	4.734E-15	-3.889E-15	-1.056E-30	1.910E+03	-1.304E+04	2.771E+02	4.734E-15	-3.889E-15	0.000E+00	1.915E+03	-1.305E+04	1.853E-02
396	4	33405.23	-136.45	60.15	1	-8.279E-15	-1.554E-15	-4.118E-31	3.975E+03	-5.683E+03	1.167E+03	-1.554E-15	-8.279E-15	1.571E+00	4.114E+03	-5.822E+03	1.186E-01
397	1	33213.73	-60.35	60.15	1	-9.527E-16	-4.365E-15	-1.278E-16	-4.091E+04	-5.331E+02	-2.885E+03	-9.479E-16	-4.370E-15	0.000E+00	-3.280E+02	-4.111E+04	1.642E+00
397	2	33223.23	-100.58	60.15	1	-5.950E-16	2.959E-16	5.455E-32	-2.674E+04	-3.852E+03	1.369E+02	2.959E-16	-5.950E-16	1.571E+00	-3.852E+03	-2.674E+04	1.565E+00
397	3	33232.73	-60.35	60.15	1	4.359E-15	4.583E-16	-4.776E-31	-4.082E+04	-1.395E+03	8.799E+02	4.359E-15	4.583E-16	0.000E+00	-1.375E+03	-4.084E+04	1.548E+00
397	4	33223.23	-20.12	60.15	1	-7.947E-16	5.927E-16	-8.495E-32	-5.510E+04	7.930E+02	5.150E+02	5.927E-16	-7.947E-16	1.571E+00	7.978E+02	-5.510E+04	1.562E+00
398	1	33251.07	-60.35	60.15	1	-4.090E-16	-1.458E-15	-3.028E-16	-4.182E+04	-3.926E+03	1.388E+03	-3.278E-16	-1.539E-15	0.000E+00	-3.876E+03	-4.187E+04	1.534E+00
398	2	33278.23	-100.58	60.15	1	-5.982E-16	3.250E-16	5.652E-32	-2.069E+04	-1.597E+04	2.144E+03	3.250E-16	-5.982E-16	1.571E+00	-1.514E+04	-2.152E+04	1.202E+00
398	3	33305.40	-60.35	60.15	1	1.697E-15	3.728E-16	-1.622E-31	-4.003E+04	-2.100E+04	-1.408E+03	1.697E-15	3.728E-16	0.000E+00	-2.090E+04	-4.013E+04	1.644E+00
398	4	33278.23	-20.12	60.15	1	-7.639E-16	1.240E-15	-1.227E-31	-5.855E+04	-1.690E+04	-1.889E+02	1.240E-15	-7.639E-16	1.571E+00	-1.690E+04	-5.855E+04	1.575E+00
399	1	33332.57	-60.35	60.15	1	-9.168E-17	-3.850E-15	-9.708E-17	-4.003E+04	-2.100E+04	-1.408E+03	-8.917E-17	-3.852E-15	0.000E+00	-2.090E+04	-4.013E+04	1.644E+00
399	2	33359.73	-100.58	60.15	1	-7.035E-16	8.497E-16	9.511E-32	-2.069E+04	-1.597E+04	-2.144E+03	8.497E-16	-7.035E-16	1.571E+00	-1.514E+04	-2.152E+04	1.939E+00
399	3	33386.90	-60.35	60.15	1	4.379E-16	-1.032E-15	-1.799E-31	-4.182E+04	-3.926E+03	-1.388E+03	4.379E-16	-1.032E-15	0.000E+00	-3.876E+03	-4.187E+04	1.607E+00
399	4	33359.73	-20.12	60.15	1	-5.168E-15	4.866E-16	-3.462E-31	-5.855E+04	-1.690E+04	-1.869E+03	4.866E-16	-5.168E-15	1.571E+00	-1.681E+04	-5.863E+04	1.616E+00
400	1	33405.23	-60.35	60.15	1	-6.049E-16	-5.334E-15	5.736E-16	-4.082E+04	-1.395E+03	-8.799E+02	-5.363E-16	-5.402E-15	0.000E+00	-1.375E+03	-4.084E+04	1.593E+00
400	2	33414.73	-100.58	60.15	1	-5.195E-16	7.212E-16	7.597E-32	-2.674E+04	-3.852E+03	-1.369E+02	7.212E-16	-5.195E-16	1.571E+00	-3.852E+03	-2.674E+04	1.577E+00
400	3	33424.23	-60.35	60.15	1	3.775E-15	1.315E-16	-4.461E-31	-4.091E+04	-5.331E+02	2.885E+03	3.775E-15	1.315E-16	0.000E+00	-3.280E+02	-4.111E+04	1.500E+00
400	4	33414.73	-20.12	60.15	1	-2.280E-15	4.625E-17	-1.425E-31	-5.510E+04	7.930E+02	-5.150E+02	4.625E-17	-2.280E-15	1.571E+00	7.978E+02	-5.510E+04	1.580E+00
401	1	33213.73	60.35	60.15	1	1.853E-16	4.458E-15	6.832E-17	-4.091E+04	-5.331E+02	2.885E+03	4.459E-15	1.842E-16	1.571E+00	-3.280E+02	-4.111E+04	1.500E+00
401	2	33223.23	20.12	60.15	1	-5.610E-16	1.710E-16	4.482E-32	-5.510E+04	7.930E+02	5.150E+02	1.710E-16	-5.610E-16	1.571E+00	7.978E+02	-5.510E+04	1.562E+00
401	3	33232.73	60.35	60.15	1	-9.839E-16	-4.375E-15	-4.153E-31	-4.082E+04	-1.395E+03	-8.799E+02	-9.839E-16	-4.375E-15	0.000E+00	-1.375E+03	-4.084E+04	1.593E+00
401	4	33223.23	100.58	60.15	1	-6.584E-16	3.332E-16	-6.072E-32	-2.674E+04	-3.852E+03	-1.369E+02	3.332E-16	-6.584E-16	1.571E+00	-3.852E+03	-2.674E+04	1.577E+00
402	1	33251.07	60.35	60.15	1	-9.248E-17	1.611E-15	1.250E-16	-4.182E+04	-3.926E+03	-1.388E+03	1.620E-15	-1.016E-16	1.571E+00	-3.876E+03	-4.187E+04	1.607E+00
402	2	33278.23	20.12	60.15	1	-6.805E-16	5.211E-16	7.357E-32	-5.855E+04	-1.690E+04	-1.889E+02	5.211E-16	-6.805E-16	1.571E+00	-1.690E+04	-5.855E+04	1.575E+00
402	3	33305.40	60.35	60.15	1	-2.774E-16	-1.892E-15	-1.977E-31	-4.003E+04	-2.100E+04	-1.408E+03	-2.774E-16	-1.892E-15	0.000E+00	-2.090E+04	-4.013E+04	1.644E+00
402	4	33278.23	100.58	60.15	1	-1.124E-15	6.330E-16	-1.076E-31	-2.069E+04	-1.597E+04	-2.144E+03	6.330E-16	-1.124E-15	1.571E+00	-1.514E+04	-2.152E+04	1.939E+00
403	1	33332.57	60.35	60.15	1	-7.985E-16	-1.311E-15	-3.599E-16	-4.003E+04	-2.100E+04	-1.408E+03	-6.128E-16	-1.496E-15	0.000E+00	-2.090E+04	-4.013E+04	1.644E+00
403	2	33359.73	20.12	60.15	1	-5.502E-15	-1.870E-16	3.254E-31	-5.855E+04	-1.690E+04	-1.869E+03	-1.870E-16	-5.502E-15	1.571E+00	-1.681E+04	-5.863E+04	1.616E+00
403	3	33386.90	60.35	60.15	1	-3.684E-16	-4.965E-15	-5.629E-31	-4.182E+04	-3.926E+03	1.388E+03	-3.684E-16	-4.965E-15	0.000E+00	-3.876E+03	-4.187E+04	1.534E+00
403	4	33359.73	100.58	60.15	1	-2.598E-15	8.447E-16	-2.108E-31	-2.069E+04	-1.597E+04	2.144E+03	8.447E-16	-2.598E-15	1.571E+00	-1.514E+04	-2.152E+04	1.202E+00
404	1	33405.23	60.35	60.15	1	-1.473E-16	-2.536E-16	3.300E-16	-4.082E+04	-1.395E+03	8.799E+02	1.338E-16	-5.347E-16	0.000E+00	-1.375E+03	-4.084E+04	1.548E+00
404	2	33414.73	20.12	60.15	1	-3.800E-15	2.595E-16	2.485E-31	-5.510E+04	7.930E+02	-5.150E+02	2.595E-16	-3.800E-15	1.571E+00	7.978E+02	-5.510E+04	1.580E+00
404	3	33424.23	60.35	60.15	1	-2.414E-15	-8.910E-15	-7.955E-31	-4.091E+04	-5.331E+02	-2.885E+03	-2.414E-15	-8.910E-15	0.000E+00	-3.280E+02	-4.111E+04	1.642E+00
404	4	33414.73	100.58	60.15	1	-7.779E-15	-4.064E-16	-4.514E-31	-2.674E+04	-3.852E+03	1.369E+02	-4.064E-16	-7.779E-15	1.571E+00	-3.852E+03	-2.674E+04	1.565E+00
405	1	33223.23	125.95	60.15	1	2.896E-16	1.035E-15	3.360E-15	1.910E+03	-1.304E+04	2.771E+02	4.042E-15	-2.718E-15	1.571E+00	1.915E+03	-1.305E+04	1.853E-02
405	2	33232.73	136.45	60.15	1	-8.331E-15	-1.107E-15	4.423E-31	3.975E+03	-5.683E+03	1.167E+03	-1.107E-15	-8.331E-15	1.571E+00	4.114E+03	-5.822E+03	1.186E-01

405	3	33223.23	146.95	60.15	1	4.580E-15	-3.386E-15	-9.756E-31	2.242E+03	6.155E+02	9.194E+02	4.580E-15	-3.386E-15	0.000E+00	2.656E+03	2.012E+02	4.233E-01
405	4	33213.73	136.45	60.15	1	3.217E-15	8.739E-15	-3.381E-31	6.590E+02	-7.110E+03	1.731E+03	8.739E-15	3.217E-15	1.571E+00	1.027E+03	-7.478E+03	2.096E-01
406	1	33278.23	125.95	60.15	1	-3.945E-16	-2.567E-15	3.036E-15	-4.499E+03	-9.826E+03	2.038E+03	1.744E-15	-4.705E-15	0.000E+00	-3.809E+03	-1.052E+04	3.266E-01
406	2	33305.40	136.45	60.15	1	-6.504E-15	-2.602E-15	2.389E-31	-7.973E+03	-7.642E+03	6.831E+02	-2.602E-15	-6.504E-15	1.571E+00	-7.104E+03	-8.510E+03	9.041E-01
406	3	33278.23	146.95	60.15	1	2.652E-15	-5.360E-15	-9.812E-31	-4.286E+03	-3.046E+03	1.522E+03	2.652E-15	-5.360E-15	0.000E+00	-2.022E+03	-5.310E+03	9.789E-01
406	4	33251.07	136.45	60.15	1	2.970E-16	3.139E-15	-1.740E-31	-8.147E+02	-7.591E+03	2.141E+03	3.139E-15	2.970E-16	1.571E+00	-1.947E+02	-8.210E+03	2.818E-01
407	1	33359.73	125.95	60.15	1	5.452E-16	6.477E-15	5.475E-15	-4.499E+03	-9.826E+03	-2.038E+03	9.737E-15	-2.716E-15	1.571E+00	-3.809E+03	-1.052E+04	-3.266E-01
407	2	33386.90	136.45	60.15	1	-4.089E-15	1.937E-14	1.436E-30	-8.147E+02	-7.591E+03	-2.141E+03	1.937E-14	-4.089E-15	1.571E+00	-1.947E+02	-8.210E+03	-2.818E-01
407	3	33359.73	146.95	60.15	1	7.821E-15	-1.449E-15	-1.135E-30	-4.286E+03	-3.046E+03	-1.522E+03	7.821E-15	-1.449E-15	0.000E+00	-2.022E+03	-5.310E+03	2.163E+00
407	4	33332.57	136.45	60.15	1	-6.133E-15	4.249E-15	-6.357E-31	-7.973E+03	-7.642E+03	6.831E+02	4.249E-15	-6.133E-15	1.571E+00	-7.104E+03	-8.510E+03	9.041E-01
408	1	33414.73	125.95	60.15	1	-5.492E-15	4.526E-15	-9.384E-16	1.910E+03	-1.304E+04	-2.771E+02	4.613E-15	-5.579E-15	1.571E+00	1.915E+03	-1.305E+04	-1.853E-02
408	2	33424.23	136.45	60.15	1	-2.210E-14	4.273E-15	1.615E-30	6.590E+02	-7.110E+03	-1.731E+03	4.273E-15	-2.210E-14	1.571E+00	1.027E+03	-7.478E+03	-2.096E-01
408	3	33414.73	146.95	60.15	1	2.695E-14	-2.084E-14	-5.851E-30	2.242E+03	6.155E+02	-9.194E+02	2.695E-14	-2.084E-14	0.000E+00	2.656E+03	2.012E+02	-4.233E-01
408	4	33405.23	136.45	60.15	1	-1.754E-15	2.473E-14	-1.621E-30	3.975E+03	-5.683E+03	-1.167E+03	2.473E-14	-1.754E-15	1.571E+00	4.114E+03	-5.822E+03	-1.186E-01
409	1	33223.23	157.45	60.15	1	-6.024E-17	-1.092E-16	3.612E-15	2.988E+03	2.553E+03	1.535E+03	3.528E-15	-3.697E-15	0.000E+00	4.321E+03	1.221E+03	7.149E-01
409	2	33232.73	167.95	60.15	1	-8.563E-15	-2.221E-15	3.883E-31	4.083E+03	1.716E+03	8.664E+02	-2.221E-15	-8.563E-15	1.571E+00	4.366E+03	1.433E+03	3.160E-01
409	3	33223.23	178.45	60.15	1	3.585E-15	-3.709E-15	-8.933E-31	2.045E+03	5.099E+02	1.153E+03	3.585E-15	-3.709E-15	0.000E+00	2.663E+03	-1.079E+02	4.918E-01
409	4	33213.73	167.95	60.15	1	1.988E-15	8.502E-15	-3.988E-31	3.463E+02	1.807E+03	1.247E+03	8.502E-15	1.988E-15	1.571E+00	2.522E+03	-3.688E+02	1.050E+00
410	1	33278.23	157.45	60.15	1	4.127E-16	-3.155E-16	2.780E-15	-3.879E+03	-7.686E+02	1.173E+03	2.852E-15	-2.755E-15	0.000E+00	-3.761E+02	-4.272E+03	1.248E+00
410	2	33305.40	167.95	60.15	1	-4.562E-15	1.696E-15	3.832E-31	-8.512E+03	-1.248E+03	1.569E+02	1.696E-15	-4.562E-15	1.571E+00	-1.245E+03	-8.516E+03	1.549E+00
410	3	33278.23	178.45	60.15	1	3.733E-15	-4.462E-15	-1.003E-30	-3.956E+03	-2.896E+02	2.746E+02	3.733E-15	-4.462E-15	0.000E+00	-2.691E+02	-3.977E+03	1.496E+00
410	4	33251.07	167.95	60.15	1	-5.465E-16	2.780E-15	-2.037E-31	6.767E+02	-1.808E+02	4.224E+02	2.780E-15	-5.465E-16	1.571E+00	8.498E+02	-3.539E+02	3.890E-01
411	1	33359.73	157.45	60.15	1	-2.416E-15	-5.256E-15	3.048E-15	-3.879E+03	-7.686E+02	-1.173E+03	-4.730E-16	-7.199E-15	0.000E+00	-3.761E+02	-4.272E+03	1.894E+00
411	2	33386.90	167.95	60.15	1	-1.692E-14	-1.781E-16	1.025E-30	6.767E+02	-1.808E+02	-4.224E+02	-1.781E-16	-1.692E-14	1.571E+00	8.498E+02	-3.539E+02	-3.890E-01
411	3	33359.73	178.45	60.15	1	1.812E-15	-1.268E-14	-1.774E-30	-3.956E+03	-2.896E+02	-2.746E+02	1.812E-15	-1.268E-14	0.000E+00	-2.691E+02	-3.977E+03	1.645E+00
411	4	33332.57	167.95	60.15	1	-5.613E-15	4.176E-15	-5.994E-31	-8.512E+03	-1.248E+03	1.569E+02	4.176E-15	-5.613E-15	1.571E+00	-1.245E+03	-8.516E+03	1.549E+00
412	1	33414.73	157.45	60.15	1	6.998E-15	2.327E-14	-1.606E-14	2.988E+03	2.553E+03	-1.535E+03	3.314E-14	-2.872E-15	1.571E+00	4.321E+03	1.221E+03	-7.149E-01
412	2	33424.23	167.95	60.15	1	-1.504E-14	5.577E-14	4.336E-30	3.463E+02	1.807E+03	-1.247E+03	5.577E-14	-1.504E-14	1.571E+00	2.522E+03	-3.688E+02	2.091E+00
412	3	33414.73	178.45	60.15	1	2.935E-14	2.231E-15	-3.321E-30	2.045E+03	5.099E+02	-1.153E+03	2.935E-14	2.231E-15	0.000E+00	2.663E+03	-1.079E+02	-4.918E-01
412	4	33405.23	167.95	60.15	1	-7.840E-15	2.896E-14	-2.253E-30	4.083E+03	1.716E+03	-8.664E+02	2.896E-14	-7.840E-15	1.571E+00	4.366E+03	1.433E+03	-3.160E-01
413	1	35776.73	-167.95	62.70	1	-9.756E-01	1.041E-02	-5.184E-01	1.903E+03	4.215E+02	1.229E+03	2.328E-01	-1.198E+00	1.976E+00	2.597E+03	-2.728E+02	5.142E-01
413	2	35786.23	-178.45	62.70	1	-2.744E-02	-8.315E-01	-3.892E-01	4.464E+02	1.841E+03	1.115E+03	1.301E-01	-9.890E-01	-3.846E-01	2.459E+03	-1.713E+02	1.065E+00
413	3	35795.73	-167.95	62.70	1	6.276E-01	-4.633E-01	-7.836E-01	1.453E+03	3.733E+03	7.955E+02	1.037E+00	-8.726E-01	-4.813E-01	3.983E+03	1.203E+03	1.266E+00
413	4	35786.23	-157.45	62.70	1	-3.206E-01	3.786E-01	-9.128E-01	2.475E+03	2.884E+03	1.693E+03	1.006E+00	-9.484E-01	2.173E+00	4.385E+03	9.740E+02	8.455E-01
414	1	35814.07	-167.95	62.70	1	7.652E-01	4.538E-01	5.721E-01	-3.718E+02	4.155E+02	3.238E+02	1.202E+00	1.662E-02	6.526E-01	5.316E+02	-4.878E+02	1.227E+00
414	2	35841.23	-178.45	62.70	1	-9.838E-03	6.174E-01	7.525E-01	-2.495E+02	-3.951E+03	1.370E+02	1.119E+00	-5.114E-01	9.828E-01	-2.444E+02	-3.956E+03	3.694E-02
414	3	35868.40	-167.95	62.70	1	-6.455E-01	4.532E-01	9.326E-01	-9.893E+02	-8.267E+03	9.967E+01	9.862E-01	-1.179E+00	1.052E+00	-9.879E+02	-8.269E+03	1.369E-02
414	4	35841.23	-157.45	62.70	1	1.295E-01	2.896E-01	7.522E-01	-7.501E+02	-3.900E+03	8.933E+02	9.660E-01	-5.469E-01	8.384E-01	-5.144E+02	-4.136E+03	2.579E-01
415	1	35895.57	-167.95	62.70	1	-6.461E-01	4.491E-01	-9.323E-01	-9.916E+02	-8.266E+03	8.086E+01	9.827E-01	-1.180E+00	2.091E+00	-9.907E+02	-8.267E+03	1.111E-02
415	2	35922.73	-178.45	62.70	1	-3.150E-03	6.080E-01	-7.580E-01	-2.551E+02	-3.959E+03	-1.194E+02	1.120E+00	-5.148E-01	2.165E+00	-2.512E+02	-3.963E+03	-3.220E-02
415	3	35949.90	-167.95	62.70	1	7.747E-01	4.498E-01	-5.834E-01	-3.843E+02	4.011E+02	-3.116E+02	1.218E+00	6.631E-03	-6.496E-01	5.097E+02	-4.929E+02	1.906E+00
415	4	35922.73	-157.45	62.70	1	1.317E-01	2.908E-01	-7.577E-01	-7.570E+02	-3.905E+03	-8.722E+02	9.732E-01	-5.506E-01	2.304E+00	-5.315E+02	-4.131E+03	-2.530E-01
416	1	35968.23	-167.95	62.70	1	6.360E-01	-4.745E-01	8.021E-01	1.438E+03	3.711E+03	-7.856E+02	1.056E+00	-8.948E-01	4.826E-01	3.956E+03	1.193E+03	1.873E+00

416	2	35977.73	-178.45	62.70	1	-3.130E-02	-8.508E-01	3.999E-01	4.436E+02	1.825E+03	-1.111E+03	1.315E-01	-1.014E+00	3.866E-01	2.442E+03	-1.735E+02	2.078E+00
416	3	35987.23	-167.95	62.70	1	-9.979E-01	8.286E-03	5.313E-01	1.903E+03	4.238E+02	-1.225E+03	2.369E-01	-1.226E+00	1.164E+00	2.594E+03	-2.673E+02	-5.137E-01
416	4	35977.73	-157.45	62.70	1	-3.305E-01	3.845E-01	9.335E-01	2.465E+03	2.878E+03	-1.696E+03	1.027E+00	-9.726E-01	9.683E-01	4.380E+03	9.621E+02	2.296E+00
417	1	35786.23	-146.95	62.70	1	2.479E-02	-2.679E+00	8.203E-01	2.339E+03	1.677E+03	-1.073E+03	2.542E-01	-2.908E+00	2.727E-01	3.131E+03	8.858E+02	-6.358E-01
417	2	35795.73	-136.45	62.70	1	2.937E-01	-3.690E+00	4.804E-01	4.198E+03	-4.377E+03	-1.098E+03	3.508E-01	-3.747E+00	1.183E-01	4.337E+03	-4.515E+03	-1.253E-01
417	3	35786.23	-125.95	62.70	1	-3.963E-02	-2.663E+00	1.547E-01	2.066E+03	-1.197E+04	-2.290E+02	-3.055E-02	-2.672E+00	5.868E-02	2.070E+03	-1.197E+04	-1.631E-02
417	4	35776.73	-136.45	62.70	1	-3.085E-01	-1.652E+00	4.945E-01	5.294E+02	-6.161E+03	-1.693E+03	-1.461E-01	-1.815E+00	3.173E-01	9.333E+02	-6.565E+03	-2.342E-01
418	1	35841.23	-146.95	62.70	1	-3.217E-03	-1.823E+00	-7.008E-01	-4.192E+03	-2.281E+03	-1.277E+03	2.354E-01	-2.061E+00	-3.282E-01	-1.641E+03	-4.831E+03	2.035E+00
418	2	35868.40	-136.45	62.70	1	-3.274E-02	1.197E-01	-7.346E-01	-7.978E+03	-7.202E+03	-6.547E+02	7.820E-01	-6.950E-01	2.305E+00	-6.829E+03	-8.351E+03	2.089E+00
418	3	35841.23	-125.95	62.70	1	-6.405E-02	-1.797E+00	-7.015E-01	-4.428E+03	-9.097E+03	-2.010E+03	1.843E-01	-2.045E+00	-3.403E-01	-3.682E+03	-9.843E+03	-3.554E-01
418	4	35814.07	-136.45	62.70	1	-3.453E-02	-3.739E+00	-6.676E-01	-6.429E+02	-6.283E+03	-2.083E+03	8.211E-02	-3.856E+00	-1.730E-01	4.269E+01	-6.969E+03	-3.180E-01
419	1	35922.73	-146.95	62.70	1	-8.527E-03	-1.864E+00	7.067E-01	-4.192E+03	-2.258E+03	1.259E+03	2.299E-01	-2.103E+00	3.255E-01	-1.638E+03	-4.812E+03	1.113E+00
419	2	35949.90	-136.45	62.70	1	-3.789E-02	-3.823E+00	6.757E-01	-6.378E+02	-6.233E+03	2.075E+03	7.912E-02	-3.940E+00	1.715E-01	4.761E+01	-6.919E+03	3.191E-01
419	3	35922.73	-125.95	62.70	1	-6.541E-02	-1.840E+00	7.074E-01	-4.425E+03	-9.075E+03	2.003E+03	1.820E-01	-2.087E+00	3.365E-01	-3.681E+03	-9.819E+03	3.556E-01
419	4	35895.57	-136.45	62.70	1	-3.605E-02	1.192E-01	7.383E-01	-7.980E+03	-7.201E+03	-6.413E+02	7.839E-01	-7.008E-01	8.378E-01	-6.840E+03	-8.341E+03	2.083E+00
420	1	35977.73	-146.95	62.70	1	2.250E-02	-2.744E+00	-8.429E-01	2.343E+03	1.720E+03	1.076E+03	2.591E-01	-2.981E+00	-2.736E-01	3.151E+03	9.117E+02	6.447E-01
420	2	35987.23	-136.45	62.70	1	-3.151E-01	-1.700E+00	-5.112E-01	5.247E+02	-6.124E+03	1.687E+03	-1.469E-01	-1.868E+00	-3.180E-01	9.281E+02	-6.527E+03	2.348E-01
420	3	35977.73	-125.95	62.70	1	-4.023E-02	-2.729E+00	-1.658E-01	2.074E+03	-1.193E+04	2.241E+02	-3.004E-02	-2.739E+00	-6.137E-02	2.078E+03	-1.193E+04	1.600E-02
420	4	35968.23	-136.45	62.70	1	2.974E-01	-3.773E+00	-4.975E-01	4.208E+03	-4.326E+03	1.089E+03	3.573E-01	-3.833E+00	-1.199E-01	4.344E+03	-4.463E+03	1.250E-01
421	1	35776.73	-60.35	62.70	1	-1.626E+00	5.179E-02	-3.942E-03	-4.002E+04	-5.111E+02	-2.908E+03	5.180E-02	-1.626E+00	1.573E+00	-2.982E+02	-4.023E+04	1.644E+00
421	2	35786.23	-100.58	62.70	1	-1.595E+00	1.206E-01	4.044E-02	-2.582E+04	-3.819E+03	1.055E+02	1.215E-01	-1.596E+00	1.547E+00	-3.819E+03	-2.582E+04	1.566E+00
421	3	35795.73	-60.35	62.70	1	-1.578E+00	3.009E-02	-7.107E-03	-3.995E+04	-1.396E+03	8.700E+02	3.012E-02	-1.578E+00	1.575E+00	-1.377E+03	-3.997E+04	1.548E+00
421	4	35786.23	-20.12	62.70	1	-1.609E+00	-3.871E-02	-5.149E-02	-5.425E+04	8.010E+02	5.190E+02	-3.702E-02	-1.610E+00	1.604E+00	8.058E+02	-5.425E+04	1.561E+00
422	1	35814.07	-60.35	62.70	1	-1.578E+00	3.146E-02	1.708E-01	-4.094E+04	-3.911E+03	1.380E+03	4.939E-02	-1.596E+00	1.466E+00	-3.860E+03	-4.099E+04	1.534E+00
422	2	35841.23	-100.58	62.70	1	-1.297E+00	1.093E-02	3.351E-01	-1.983E+04	-1.597E+04	2.149E+03	9.177E-02	-1.378E+00	1.334E+00	-1.501E+04	-2.079E+04	1.152E+00
422	3	35868.40	-60.35	62.70	1	-9.904E-01	-1.785E-01	1.884E-01	-3.918E+04	-2.113E+04	1.392E+03	-1.368E-01	-1.032E+00	1.354E+00	-2.102E+04	-3.928E+04	1.494E+00
422	4	35841.23	-20.12	62.70	1	-1.271E+00	-1.579E-01	2.420E-02	-5.770E+04	-1.692E+04	1.857E+03	-1.574E-01	-1.271E+00	1.549E+00	-1.684E+04	-5.779E+04	1.525E+00
423	1	35895.57	-60.35	62.70	1	-9.913E-01	-1.841E-01	-1.899E-01	-3.918E+04	-2.114E+04	1.397E+03	-1.417E-01	-1.034E+00	1.791E+00	-2.103E+04	-3.928E+04	1.494E+00
423	2	35922.73	-100.58	62.70	1	-1.317E+00	1.296E-02	-3.467E-01	-1.982E+04	-1.597E+04	-2.137E+03	9.789E-02	-1.402E+00	1.811E+00	-1.502E+04	-2.077E+04	1.989E+00
423	3	35949.90	-60.35	62.70	1	-1.617E+00	3.971E-02	-1.721E-01	-4.093E+04	-3.905E+03	-1.383E+03	5.739E-02	-1.635E+00	1.673E+00	-3.853E+03	-4.098E+04	1.608E+00
423	4	35922.73	-20.12	62.70	1	-1.291E+00	-1.574E-01	-1.524E-02	-5.770E+04	-1.692E+04	1.857E+03	-1.572E-01	-1.291E+00	1.584E+00	-1.683E+04	-5.779E+04	1.525E+00
424	1	35968.23	-60.35	62.70	1	-1.619E+00	2.960E-02	1.096E-02	-3.993E+04	-1.397E+03	-8.657E+02	2.967E-02	-1.619E+00	1.564E+00	-1.377E+03	-3.995E+04	1.593E+00
424	2	35977.73	-100.58	62.70	1	-1.640E+00	1.230E-01	-4.469E-02	-2.580E+04	-3.819E+03	-1.045E+02	1.242E-01	-1.642E+00	1.596E+00	-3.818E+03	-2.580E+04	1.576E+00
424	3	35987.23	-60.35	62.70	1	-1.676E+00	5.512E-02	7.757E-03	-4.001E+04	-5.075E+02	2.914E+03	5.516E-02	-1.676E+00	1.566E+00	-2.936E+02	-4.022E+04	1.498E+00
424	4	35977.73	-20.12	62.70	1	-1.654E+00	-3.832E-02	6.341E-02	-5.424E+04	8.044E+02	5.206E+02	-3.583E-02	-1.657E+00	1.532E+00	8.094E+02	-5.425E+04	1.561E+00
425	1	35776.73	60.35	62.70	1	-1.626E+00	5.179E-02	3.942E-03	-4.002E+04	-5.111E+02	2.908E+03	5.180E-02	-1.626E+00	1.568E+00	-2.982E+02	-4.023E+04	1.498E+00
425	2	35786.23	20.12	62.70	1	-1.609E+00	-3.871E-02	5.149E-02	-5.425E+04	8.010E+02	5.190E+02	-3.702E-02	-1.610E+00	1.538E+00	8.058E+02	-5.425E+04	1.561E+00
425	3	35795.73	60.35	62.70	1	-1.578E+00	3.009E-02	7.107E-03	-3.995E+04	-1.396E+03	-8.700E+02	3.012E-02	-1.578E+00	1.566E+00	-1.377E+03	-3.997E+04	1.593E+00
425	4	35786.23	100.58	62.70	1	-1.595E+00	1.206E-01	-4.044E-02	-2.582E+04	-3.819E+03	-1.055E+02	1.215E-01	-1.596E+00	1.594E+00	-3.819E+03	-2.582E+04	1.576E+00
426	1	35814.07	60.35	62.70	1	-1.578E+00	3.146E-02	-1.708E-01	-4.094E+04	-3.911E+03	-1.380E+03	4.939E-02	-1.596E+00	1.675E+00	-3.860E+03	-4.099E+04	1.608E+00
426	2	35841.23	20.12	62.70	1	-1.271E+00	-1.579E-01	-2.420E-02	-5.770E+04	-1.692E+04	1.857E+03	-1.574E-01	-1.271E+00	1.593E+00	-1.684E+04	-5.779E+04	1.525E+00
426	3	35868.40	60.35	62.70	1	-9.904E-01	-1.785E-01	-1.884E-01	-3.918E+04	-2.113E+04	-1.392E+03	-1.368E-01	-1.032E+00	1.788E+00	-2.102E+04	-3.928E+04	1.647E+00
426	4	35841.23	100.58	62.70	1	-1.297E+00	1.093E-02	-3.351E-01	-1.983E+04	-1.597E+04	-2.149E+03	9.177E-02	-1.378E+00	1.808E+00	-1.501E+04	-2.079E+04	1.990E+00



427	1	35895.57	60.35	62.70	1	-9.913E-01	-1.841E-01	1.899E-01	-3.918E+04	-2.114E+04	-1.397E+03	-1.417E-01	-1.034E+00	1.351E+00	-2.103E+04	-3.928E+04	1.648E+00
427	2	35922.73	20.12	62.70	1	-1.291E+00	-1.574E-01	1.524E-02	-5.770E+04	-1.692E+04	1.857E+03	-1.572E-01	-1.291E+00	1.557E+00	-1.683E+04	-5.779E+04	1.525E+00
427	3	35949.90	60.35	62.70	1	-1.617E+00	3.971E-02	1.721E-01	-4.093E+04	-3.905E+03	1.383E+03	5.739E-02	-1.635E+00	1.468E+00	-3.853E+03	-4.098E+04	1.534E+00
427	4	35922.73	100.58	62.70	1	-1.317E+00	1.296E-02	3.467E-01	-1.982E+04	-1.597E+04	2.137E+03	9.789E-02	-1.402E+00	1.331E+00	-1.502E+04	-2.077E+04	1.152E+00
428	1	35968.23	60.35	62.70	1	-1.619E+00	2.960E-02	-1.096E-02	-3.993E+04	-1.397E+03	8.657E+02	2.967E-02	-1.619E+00	1.577E+00	-1.377E+03	-3.995E+04	1.548E+00
428	2	35977.73	20.12	62.70	1	-1.654E+00	-3.832E-02	-6.341E-02	-5.424E+04	8.044E+02	5.206E+02	-3.583E-02	-1.657E+00	1.610E+00	8.094E+02	-5.425E+04	1.561E+00
428	3	35987.23	60.35	62.70	1	-1.676E+00	5.512E-02	-7.757E-03	-4.001E+04	-5.075E+02	-2.914E+03	5.516E-02	-1.676E+00	1.575E+00	-2.936E+02	-4.022E+04	1.644E+00
428	4	35977.73	100.58	62.70	1	-1.640E+00	1.230E-01	4.469E-02	-2.580E+04	-3.819E+03	1.045E+02	1.242E-01	-1.642E+00	1.545E+00	-3.818E+03	-2.580E+04	1.566E+00
429	1	35786.23	125.95	62.70	1	-3.963E-02	-2.663E+00	-1.547E-01	2.066E+03	-1.197E+04	2.290E+02	-3.055E-02	-2.672E+00	-5.868E-02	2.070E+03	-1.197E+04	1.631E-02
429	2	35795.73	136.45	62.70	1	2.937E-01	-3.690E+00	-4.804E-01	4.198E+03	-4.377E+03	1.098E+03	3.508E-01	-3.747E+00	-1.183E-01	4.337E+03	-4.515E+03	1.253E-01
429	3	35786.23	146.95	62.70	1	2.479E-02	-2.679E+00	-8.203E-01	2.339E+03	1.677E+03	1.073E+03	2.542E-01	-2.908E+00	-2.727E-01	3.131E+03	8.858E+02	6.358E-01
429	4	35776.73	136.45	62.70	1	-3.085E-01	-1.652E+00	-4.945E-01	5.294E+02	-6.161E+03	1.693E+03	-1.461E-01	-1.815E+00	-3.173E-01	9.333E+02	-6.565E+03	2.342E-01
430	1	35841.23	125.95	62.70	1	-6.405E-02	-1.797E+00	7.015E-01	-4.428E+03	-9.097E+03	2.010E+03	1.843E-01	-2.045E+00	3.403E-01	-3.682E+03	-9.843E+03	3.554E-01
430	2	35868.40	136.45	62.70	1	-3.274E-02	1.197E-01	7.346E-01	-7.978E+03	-7.202E+03	6.547E+02	7.820E-01	-6.950E-01	8.371E-01	-6.829E+03	-8.351E+03	1.053E+00
430	3	35841.23	146.95	62.70	1	-3.217E-03	-1.823E+00	7.008E-01	-4.192E+03	-2.281E+03	1.277E+03	2.354E-01	-2.061E+00	3.282E-01	-1.641E+03	-4.831E+03	1.107E+00
430	4	35814.07	136.45	62.70	1	-3.453E-02	-3.739E+00	6.676E-01	-6.429E+02	-6.283E+03	2.083E+03	8.211E-02	-3.856E+00	1.730E-01	4.269E+01	-6.969E+03	3.180E-01
431	1	35922.73	125.95	62.70	1	-6.541E-02	-1.840E+00	-7.074E-01	-4.425E+03	-9.075E+03	-2.003E+03	1.820E-01	-2.087E+00	-3.365E-01	-3.681E+03	-9.819E+03	-3.556E-01
431	2	35949.90	136.45	62.70	1	-3.789E-02	-3.823E+00	-6.757E-01	-6.378E+02	-6.233E+03	-2.075E+03	7.912E-02	-3.940E+00	-1.715E-01	4.761E+01	-6.919E+03	-3.191E-01
431	3	35922.73	146.95	62.70	1	-8.527E-03	-1.864E+00	-7.067E-01	-4.192E+03	-2.258E+03	-1.259E+03	2.299E-01	-2.103E+00	-3.255E-01	-1.638E+03	-4.812E+03	2.029E+00
431	4	35895.57	136.45	62.70	1	-3.605E-02	1.192E-01	-7.383E-01	-7.980E+03	-7.201E+03	6.413E+02	7.839E-01	-7.008E-01	2.304E+00	-6.840E+03	-8.341E+03	1.058E+00
432	1	35977.73	125.95	62.70	1	-4.023E-02	-2.729E+00	1.658E-01	2.074E+03	-1.193E+04	-2.241E+02	-3.004E-02	-2.739E+00	6.137E-02	2.078E+03	-1.193E+04	-1.600E-02
432	2	35987.23	136.45	62.70	1	-3.151E-01	-1.700E+00	5.112E-01	5.247E+02	-6.124E+03	-1.687E+03	-1.469E-01	-1.868E+00	3.180E-01	9.281E+02	-6.527E+03	-2.348E-01
432	3	35977.73	146.95	62.70	1	2.250E-02	-2.744E+00	8.429E-01	2.343E+03	1.720E+03	-1.076E+03	2.591E-01	-2.981E+00	2.736E-01	3.151E+03	9.117E+02	-6.447E-01
432	4	35968.23	136.45	62.70	1	2.974E-01	-3.773E+00	4.975E-01	4.208E+03	-4.326E+03	-1.089E+03	3.573E-01	-3.833E+00	1.199E-01	4.344E+03	-4.463E+03	-1.250E-01
433	1	35786.23	157.45	62.70	1	3.786E-01	-3.206E-01	-9.128E-01	2.884E+03	2.475E+03	1.693E+03	1.006E+00	-9.484E-01	-6.025E-01	4.385E+03	9.740E+02	7.253E-01
433	2	35795.73	167.95	62.70	1	-4.633E-01	6.276E-01	-7.836E-01	3.733E+03	1.453E+03	7.955E+02	1.037E+00	-8.726E-01	2.052E+00	3.983E+03	1.203E+03	3.046E-01
433	3	35786.23	178.45	62.70	1	-8.315E-01	-2.744E-02	-3.892E-01	1.841E+03	4.464E+02	1.115E+03	1.301E-01	-9.890E-01	1.955E+00	2.459E+03	-1.713E+02	5.059E-01
433	4	35776.73	167.95	62.70	1	1.041E-02	-9.756E-01	-5.184E-01	4.215E+02	1.903E+03	1.229E+03	2.328E-01	-1.198E+00	-4.052E-01	2.597E+03	-2.728E+02	1.057E+00
434	1	35841.23	157.45	62.70	1	2.896E-01	1.295E-01	7.522E-01	-3.900E+03	-7.501E+02	8.933E+02	9.660E-01	-5.469E-01	7.324E-01	-5.144E+02	-4.136E+03	1.313E+00
434	2	35868.40	167.95	62.70	1	4.532E-01	-6.455E-01	9.326E-01	-8.267E+03	-9.893E+02	9.967E+01	9.862E-01	-1.179E+00	5.192E-01	-9.879E+02	-8.269E+03	1.557E+00
434	3	35841.23	178.45	62.70	1	6.174E-01	-9.838E-03	7.525E-01	-3.951E+03	-2.495E+02	1.370E+02	1.119E+00	-5.114E-01	5.880E-01	-2.444E+02	-3.956E+03	1.534E+00
434	4	35814.07	167.95	62.70	1	4.538E-01	7.652E-01	5.721E-01	4.155E+02	-3.718E+02	3.238E+02	1.202E+00	1.662E-02	9.182E-01	5.316E+02	-4.878E+02	3.442E-01
435	1	35922.73	157.45	62.70	1	2.908E-01	1.317E-01	-7.577E-01	-3.905E+03	-7.570E+02	-8.722E+02	9.732E-01	-5.506E-01	-7.331E-01	-5.315E+02	-4.131E+03	1.824E+00
435	2	35949.90	167.95	62.70	1	4.498E-01	7.747E-01	-5.834E-01	4.011E+02	-3.843E+02	-3.116E+02	1.218E+00	6.631E-03	2.220E+00	5.097E+02	-4.929E+02	-3.353E-01
435	3	35922.73	178.45	62.70	1	6.080E-01	-3.150E-03	-7.580E-01	-3.959E+03	-2.551E+02	-1.194E+02	1.120E+00	-5.148E-01	-5.938E-01	-2.512E+02	-3.963E+03	1.603E+00
435	4	35895.57	167.95	62.70	1	4.491E-01	-6.461E-01	-9.323E-01	-8.266E+03	-9.916E+02	8.086E+01	9.827E-01	-1.180E+00	-5.199E-01	-9.907E+02	-8.267E+03	1.560E+00
436	1	35977.73	157.45	62.70	1	3.845E-01	-3.305E-01	9.335E-01	2.878E+03	2.465E+03	-1.696E+03	1.027E+00	-9.726E-01	6.025E-01	4.380E+03	9.621E+02	-7.248E-01
436	2	35987.23	167.95	62.70	1	8.286E-03	-9.979E-01	5.313E-01	4.238E+02	1.903E+03	-1.225E+03	2.369E-01	-1.226E+00	4.063E-01	2.594E+03	-2.673E+02	2.085E+00
436	3	35977.73	178.45	62.70	1	-8.508E-01	-3.130E-02	3.999E-01	1.825E+03	4.436E+02	-1.111E+03	1.315E-01	-1.014E+00	1.184E+00	2.442E+03	-1.735E+02	-5.072E-01
436	4	35968.23	167.95	62.70	1	-4.745E-01	6.360E-01	8.021E-01	3.711E+03	1.438E+03	-7.856E+02	1.056E+00	-8.948E-01	1.088E+00	3.956E+03	1.193E+03	-3.024E-01
437	1	38339.73	-167.95	65.25	1	-8.461E-08	-5.640E-07	1.388E-17	1.807E+03	3.463E+02	1.247E+03	-8.461E-08	-5.640E-07	2.895E-11	2.522E+03	-3.688E+02	5.205E-01
437	2	38349.23	-178.45	65.25	1	8.327E-17	8.327E-17	2.169E-07	5.099E+02	2.045E+03	1.153E+03	2.169E-07	-2.169E-07	7.854E-01	2.663E+03	-1.079E+02	1.079E+00
437	3	38358.73	-167.95	65.25	1	8.461E-08	5.640E-07	2.659E-14	1.716E+03	4.083E+03	8.664E+02	5.640E-07	8.461E-08	1.571E+00	4.366E+03	1.433E+03	1.255E+00

437	4	38349.23	-157.45	65.25	1	1.037E-15	1.037E-15	-2.169E-07	2.553E+03	2.988E+03	1.535E+03	2.169E-07	-2.169E-07	-7.854E-01	4.321E+03	1.221E+03	8.559E-01
438	1	38377.06	-167.95	65.25	1	-2.959E-08	-1.972E-07	2.776E-16	-1.808E+02	6.767E+02	4.224E+02	-2.959E-08	-1.972E-07	1.655E-09	8.498E+02	-3.539E+02	1.182E+00
438	2	38404.23	-178.45	65.25	1	1.776E-15	1.776E-15	2.169E-07	-2.896E+02	-3.956E+03	2.746E+02	2.169E-07	-2.169E-07	7.854E-01	-2.691E+02	-3.977E+03	7.432E-02
438	3	38431.40	-167.95	65.25	1	2.959E-08	1.972E-07	6.675E-15	-1.248E+03	-8.512E+03	-1.569E+02	1.972E-07	2.959E-08	1.571E+00	-1.245E+03	-8.516E+03	-2.158E-02
438	4	38404.23	-157.45	65.25	1	1.481E-15	1.481E-15	-2.169E-07	-7.686E+02	-3.879E+03	1.173E+03	2.169E-07	-2.169E-07	-7.854E-01	-3.761E+02	-4.272E+03	3.230E-01
439	1	38458.57	-167.95	65.25	1	-2.959E-08	-1.972E-07	1.051E-15	-1.248E+03	-8.512E+03	-1.569E+02	-2.959E-08	-1.972E-07	6.270E-09	-1.245E+03	-8.516E+03	-2.158E-02
439	2	38485.73	-178.45	65.25	1	1.252E-15	1.252E-15	2.169E-07	-2.896E+02	-3.956E+03	-2.746E+02	2.169E-07	-2.169E-07	7.854E-01	-2.691E+02	-3.977E+03	-7.432E-02
439	3	38512.90	-167.95	65.25	1	2.959E-08	1.972E-07	7.969E-15	-1.808E+02	6.767E+02	-4.224E+02	1.972E-07	2.959E-08	1.571E+00	8.498E+02	-3.539E+02	1.960E+00
439	4	38485.73	-157.45	65.25	1	1.709E-16	1.709E-16	-2.169E-07	-7.686E+02	-3.879E+03	-1.173E+03	2.169E-07	-2.169E-07	-7.854E-01	-3.761E+02	-4.272E+03	-3.230E-01
440	1	38531.23	-167.95	65.25	1	-8.461E-08	-5.640E-07	5.274E-16	1.716E+03	4.083E+03	-8.664E+02	-8.461E-08	-5.640E-07	1.100E-09	4.366E+03	1.433E+03	1.887E+00
440	2	38540.73	-178.45	65.25	1	-3.289E-15	-3.289E-15	2.169E-07	5.099E+02	2.045E+03	-1.153E+03	2.169E-07	-2.169E-07	7.854E-01	2.663E+03	-1.079E+02	2.063E+00
440	3	38550.23	-167.95	65.25	1	8.461E-08	5.640E-07	2.395E-14	1.807E+03	3.463E+02	-1.247E+03	5.640E-07	8.461E-08	1.571E+00	2.522E+03	-3.688E+02	-5.205E-01
440	4	38540.73	-157.45	65.25	1	2.082E-16	2.082E-16	-2.169E-07	2.553E+03	2.988E+03	-1.535E+03	2.169E-07	-2.169E-07	-7.854E-01	4.321E+03	1.221E+03	2.286E+00
441	1	38349.23	-146.95	65.25	1	4.718E-16	2.082E-15	-2.169E-07	2.242E+03	6.155E+02	-9.194E+02	2.169E-07	-2.169E-07	-7.854E-01	2.656E+03	2.012E+02	-4.233E-01
441	2	38358.73	-136.45	65.25	1	5.640E-07	8.461E-08	-2.764E-14	3.975E+03	-5.683E+03	-1.167E+03	5.640E-07	8.461E-08	-5.766E-08	4.114E+03	-5.822E+03	-1.186E-01
441	3	38349.23	-125.95	65.25	1	-3.674E-15	-3.674E-15	2.169E-07	1.910E+03	-1.304E+04	-2.771E+02	2.169E-07	-2.169E-07	7.854E-01	1.915E+03	-1.305E+04	-1.853E-02
441	4	38339.73	-136.45	65.25	1	-5.640E-07	-8.461E-08	-5.941E-13	6.590E+02	-7.110E+03	-1.731E+03	-8.461E-08	-5.640E-07	1.571E+00	1.027E+03	-7.478E+03	-2.096E-01
442	1	38404.23	-146.95	65.25	1	8.604E-16	-1.402E-15	-2.169E-07	-4.286E+03	-3.046E+03	-1.522E+03	2.169E-07	-2.169E-07	-7.854E-01	-2.022E+03	-5.310E+03	2.163E+00
442	2	38431.40	-136.45	65.25	1	1.972E-07	2.959E-08	-6.911E-15	-7.973E+03	-7.642E+03	6.831E+02	1.972E-07	2.959E-08	-4.122E-08	-7.104E+03	-8.510E+03	9.041E-01
442	3	38404.23	-125.95	65.25	1	1.866E-15	1.866E-15	2.169E-07	-4.499E+03	-9.826E+03	-2.038E+03	2.169E-07	-2.169E-07	7.854E-01	-3.809E+03	-1.052E+04	-3.266E-01
442	4	38377.06	-136.45	65.25	1	-1.972E-07	-2.959E-08	-4.836E-15	-8.147E+02	-7.591E+03	-2.141E+03	-2.959E-08	-1.972E-07	1.571E+00	-1.947E+02	-8.210E+03	-2.818E-01
443	1	38485.73	-146.95	65.25	1	9.420E-16	-1.388E-15	-2.169E-07	-4.286E+03	-3.046E+03	1.522E+03	2.169E-07	-2.169E-07	-7.854E-01	-2.022E+03	-5.310E+03	9.789E-01
443	2	38512.90	-136.45	65.25	1	1.972E-07	2.959E-08	-7.789E-15	-8.147E+02	-7.591E+03	2.141E+03	1.972E-07	2.959E-08	-4.646E-08	-1.947E+02	-8.210E+03	2.818E-01
443	3	38485.73	-125.95	65.25	1	-8.500E-16	-8.500E-16	2.169E-07	-4.499E+03	-9.826E+03	2.038E+03	2.169E-07	-2.169E-07	7.854E-01	-3.809E+03	-1.052E+04	3.266E-01
443	4	38458.57	-136.45	65.25	1	-1.972E-07	-2.959E-08	-6.235E-15	-7.973E+03	-7.642E+03	6.831E+02	-2.959E-08	-1.972E-07	1.571E+00	-7.104E+03	-8.510E+03	9.041E-01
444	1	38540.73	-146.95	65.25	1	-5.829E-16	-8.382E-15	-2.169E-07	2.242E+03	6.155E+02	9.194E+02	2.169E-07	-2.169E-07	-7.854E-01	2.656E+03	2.012E+02	4.233E-01
444	2	38550.23	-136.45	65.25	1	5.640E-07	8.461E-08	-2.763E-14	6.590E+02	-7.110E+03	1.731E+03	5.640E-07	8.461E-08	-5.763E-08	1.027E+03	-7.478E+03	2.096E-01
444	3	38540.73	-125.95	65.25	1	-4.878E-15	-4.878E-15	2.169E-07	1.910E+03	-1.304E+04	2.771E+02	2.169E-07	-2.169E-07	7.854E-01	1.915E+03	-1.305E+04	1.853E-02
444	4	38531.23	-136.45	65.25	1	-5.640E-07	-8.461E-08	-2.766E-14	3.975E+03	-5.683E+03	1.167E+03	-8.461E-08	-5.640E-07	1.571E+00	4.114E+03	-5.822E+03	1.186E-01
445	1	38339.73	-60.35	65.25	1	-4.230E-08	-2.820E-07	3.747E-15	-4.091E+04	-5.331E+02	-2.885E+03	-4.230E-08	-2.820E-07	1.563E-08	-3.280E+02	-4.111E+04	1.642E+00
445	2	38349.23	-100.58	65.25	1	1.940E-15	1.940E-15	2.830E-08	-2.674E+04	-3.852E+03	1.369E+02	2.830E-08	-2.830E-08	7.854E-01	-3.852E+03	-2.674E+04	1.565E+00
445	3	38358.73	-60.35	65.25	1	4.230E-08	2.820E-07	2.767E-14	-4.082E+04	-1.395E+03	8.799E+02	2.820E-07	4.230E-08	1.571E+00	-1.375E+03	-4.084E+04	1.548E+00
445	4	38349.23	-20.12	65.25	1	3.209E-15	3.209E-15	-2.830E-08	-5.510E+04	7.930E+02	5.150E+02	2.830E-08	-2.830E-08	-7.854E-01	7.978E+02	-5.510E+04	1.562E+00
446	1	38377.06	-60.35	65.25	1	-1.479E-08	-9.862E-08	3.216E-15	-4.182E+04	-3.926E+03	1.388E+03	-1.479E-08	-9.862E-08	3.837E-08	-3.876E+03	-4.187E+04	1.534E+00
446	2	38404.23	-100.58	65.25	1	1.351E-15	1.351E-15	2.830E-08	-2.069E+04	-1.597E+04	2.144E+03	2.830E-08	-2.830E-08	7.854E-01	-1.514E+04	-2.152E+04	1.202E+00
446	3	38431.40	-60.35	65.25	1	1.479E-08	9.862E-08	6.849E-15	-4.003E+04	-2.100E+04	-1.408E+03	9.862E-08	1.479E-08	1.571E+00	-2.090E+04	-4.013E+04	1.644E+00
446	4	38404.23	-20.12	65.25	1	-1.111E-15	-1.111E-15	-2.830E-08	-5.855E+04	-1.690E+04	1.869E+03	2.830E-08	-2.830E-08	-7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
447	1	38458.57	-60.35	65.25	1	-1.479E-08	-9.862E-08	5.180E-15	-4.003E+04	-2.100E+04	-1.408E+03	-1.479E-08	-9.862E-08	6.179E-08	-2.090E+04	-4.013E+04	1.644E+00
447	2	38485.73	-100.58	65.25	1	-2.138E-15	-2.138E-15	2.830E-08	-2.069E+04	-1.597E+04	-2.144E+03	2.830E-08	-2.830E-08	7.854E-01	-1.514E+04	-2.152E+04	1.939E+00
447	3	38512.90	-60.35	65.25	1	1.479E-08	9.862E-08	7.105E-15	-4.182E+04	-3.926E+03	-1.388E+03	9.862E-08	1.479E-08	1.571E+00	-3.876E+03	-4.187E+04	1.607E+00
447	4	38485.73	-20.12	65.25	1	1.221E-15	1.221E-15	-2.830E-08	-5.855E+04	-1.690E+04	-1.869E+03	2.830E-08	-2.830E-08	-7.854E-01	-1.681E+04	-5.863E+04	1.616E+00
448	1	38531.23	-60.35	65.25	1	-4.230E-08	-2.820E-07	1.693E-15	-4.082E+04	-1.395E+03	-8.799E+02	-4.230E-08	-2.820E-07	7.063E-09	-1.375E+03	-4.084E+04	1.593E+00
448	2	38540.73	-100.58	65.25	1	-5.294E-15	-5.294E-15	2.830E-08	-2.674E+04	-3.852E+03	-1.369E+02	2.830E-08	-2.830E-08	7.854E-01	-3.852E+03	-2.674E+04	1.577E+00

448	3	38550.23	-60.35	65.25	1	4.230E-08	2.820E-07	2.798E-14	-4.091E+04	-5.331E+02	2.885E+03	2.820E-07	4.230E-08	1.571E+00	-3.280E+02	-4.111E+04	1.500E+00
448	4	38540.73	-20.12	65.25	1	-4.843E-15	-4.843E-15	-2.830E-08	-5.510E+04	7.930E+02	-5.150E+02	2.830E-08	-2.830E-08	-7.854E-01	7.978E+02	-5.510E+04	1.580E+00
449	1	38339.73	60.35	65.25	1	4.230E-08	2.820E-07	-2.415E-15	-4.091E+04	-5.331E+02	2.885E+03	2.820E-07	4.230E-08	1.571E+00	-3.280E+02	-4.111E+04	1.500E+00
449	2	38349.23	20.12	65.25	1	4.023E-15	4.023E-15	-2.830E-08	-5.510E+04	7.930E+02	5.150E+02	2.830E-08	-2.830E-08	-7.854E-01	7.978E+02	-5.510E+04	1.562E+00
449	3	38358.73	60.35	65.25	1	-4.230E-08	-2.820E-07	2.152E-14	-4.082E+04	-1.395E+03	-8.799E+02	-4.230E-08	-2.820E-07	8.979E-08	-1.375E+03	-4.084E+04	1.593E+00
449	4	38349.23	100.58	65.25	1	1.535E-16	1.535E-16	2.830E-08	-2.674E+04	-3.852E+03	-1.369E+02	2.830E-08	-2.830E-08	7.854E-01	-3.852E+03	-2.674E+04	1.577E+00
450	1	38377.06	60.35	65.25	1	1.479E-08	9.862E-08	-7.029E-15	-4.182E+04	-3.926E+03	-1.388E+03	9.862E-08	1.479E-08	1.571E+00	-3.876E+03	-4.187E+04	1.607E+00
450	2	38404.23	20.12	65.25	1	-3.622E-15	-3.622E-15	-2.830E-08	-5.855E+04	-1.690E+04	1.869E+03	2.830E-08	-2.830E-08	-7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
450	3	38431.40	60.35	65.25	1	-1.479E-08	-9.862E-08	-4.004E-15	-4.003E+04	-2.100E+04	-1.408E+03	-1.479E-08	-9.862E-08	-4.776E-08	-2.090E+04	-4.013E+04	1.644E+00
450	4	38404.23	100.58	65.25	1	-2.289E-15	-2.289E-15	2.830E-08	-2.069E+04	-1.597E+04	-2.144E+03	2.830E-08	-2.830E-08	7.854E-01	-1.514E+04	-2.152E+04	1.939E+00
451	1	38458.57	60.35	65.25	1	1.479E-08	9.862E-08	-8.920E-15	-4.003E+04	-2.100E+04	-1.408E+03	9.862E-08	1.479E-08	1.571E+00	-2.090E+04	-4.013E+04	1.644E+00
451	2	38485.73	20.12	65.25	1	1.836E-15	1.836E-15	-2.830E-08	-5.855E+04	-1.690E+04	-1.869E+03	2.830E-08	-2.830E-08	-7.854E-01	-1.681E+04	-5.863E+04	1.616E+00
451	3	38512.90	60.35	65.25	1	-1.479E-08	-9.862E-08	-6.228E-15	-4.182E+04	-3.926E+03	1.388E+03	-1.479E-08	-9.862E-08	-7.429E-08	-3.876E+03	-4.187E+04	1.534E+00
451	4	38485.73	100.58	65.25	1	1.851E-15	1.851E-15	2.830E-08	-2.069E+04	-1.597E+04	2.144E+03	2.830E-08	-2.830E-08	7.854E-01	-1.514E+04	-2.152E+04	1.202E+00
452	1	38531.23	60.35	65.25	1	4.230E-08	2.820E-07	-3.608E-15	-4.082E+04	-1.395E+03	8.799E+02	2.820E-07	4.230E-08	1.571E+00	-1.375E+03	-4.084E+04	1.548E+00
452	2	38540.73	20.12	65.25	1	-8.908E-16	-8.908E-16	-2.830E-08	-5.510E+04	7.930E+02	-5.150E+02	2.830E-08	-2.830E-08	-7.854E-01	7.978E+02	-5.510E+04	1.580E+00
452	3	38550.23	60.35	65.25	1	-4.230E-08	-2.820E-07	2.441E-14	-4.091E+04	-5.331E+02	-2.885E+03	-4.230E-08	-2.820E-07	1.018E-07	-3.280E+02	-4.111E+04	1.642E+00
452	4	38540.73	100.58	65.25	1	-3.357E-16	-3.357E-16	2.830E-08	-2.674E+04	-3.852E+03	1.369E+02	2.830E-08	-2.830E-08	7.854E-01	-3.852E+03	-2.674E+04	1.565E+00
453	1	38349.23	125.95	65.25	1	-7.730E-15	8.327E-17	2.169E-07	1.910E+03	-1.304E+04	2.771E+02	2.169E-07	-2.169E-07	7.854E-01	1.915E+03	-1.305E+04	1.853E-02
453	2	38358.73	136.45	65.25	1	-5.640E-07	-8.461E-08	-2.903E-14	3.975E+03	-5.683E+03	1.167E+03	-8.461E-08	-5.640E-07	1.571E+00	4.114E+03	-5.822E+03	1.186E-01
453	3	38349.23	146.95	65.25	1	-1.013E-15	-1.013E-15	-2.169E-07	2.242E+03	6.155E+02	9.194E+02	2.169E-07	-2.169E-07	-7.854E-01	2.656E+03	2.012E+02	4.233E-01
453	4	38339.73	136.45	65.25	1	5.640E-07	8.461E-08	-5.998E-13	6.590E+02	-7.110E+03	1.731E+03	5.640E-07	8.461E-08	-1.251E-06	1.027E+03	-7.478E+03	2.096E-01
454	1	38404.23	125.95	65.25	1	-4.529E-15	-9.132E-15	2.169E-07	-4.499E+03	-9.826E+03	2.038E+03	2.169E-07	-2.169E-07	7.854E-01	-3.809E+03	-1.052E+04	3.266E-01
454	2	38431.40	136.45	65.25	1	-1.972E-07	-2.959E-08	-1.766E-15	-7.973E+03	-7.642E+03	6.831E+02	-2.959E-08	-1.972E-07	1.571E+00	-7.104E+03	-8.510E+03	9.041E-01
454	3	38404.23	146.95	65.25	1	-5.987E-15	-5.987E-15	-2.169E-07	-4.286E+03	-3.046E+03	1.522E+03	2.169E-07	-2.169E-07	-7.854E-01	-2.022E+03	-5.310E+03	9.789E-01
454	4	38377.06	136.45	65.25	1	1.972E-07	2.959E-08	1.481E-15	-8.147E+02	-7.591E+03	2.141E+03	1.972E-07	2.959E-08	8.836E-01	-1.947E+02	-8.210E+03	2.818E-01
455	1	38485.73	125.95	65.25	1	5.768E-15	-3.164E-15	2.169E-07	-4.499E+03	-9.826E+03	-2.038E+03	2.169E-07	-2.169E-07	7.854E-01	-3.809E+03	-1.052E+04	-3.266E-01
455	2	38512.90	136.45	65.25	1	-1.972E-07	-2.959E-08	4.916E-15	-8.147E+02	-7.591E+03	-2.141E+03	-2.959E-08	-1.972E-07	1.571E+00	-1.947E+02	-8.210E+03	-2.818E-01
455	3	38485.73	146.95	65.25	1	1.044E-15	1.044E-15	-2.169E-07	-4.286E+03	-3.046E+03	-1.522E+03	2.169E-07	-2.169E-07	-7.854E-01	-2.022E+03	-5.310E+03	2.163E+00
455	4	38458.57	136.45	65.25	1	1.972E-07	2.959E-08	5.791E-15	-7.973E+03	-7.642E+03	6.831E+02	1.972E-07	2.959E-08	3.454E-08	-7.104E+03	-8.510E+03	9.041E-01
456	1	38540.73	125.95	65.25	1	8.028E-15	2.262E-14	2.169E-07	1.910E+03	-1.304E+04	-2.771E+02	2.169E-07	-2.169E-07	7.854E-01	1.915E+03	-1.305E+04	-1.853E-02
456	2	38550.23	136.45	65.25	1	-5.640E-07	-8.461E-08	-2.011E-14	6.590E+02	-7.110E+03	-1.731E+03	-8.461E-08	-5.640E-07	1.571E+00	1.027E+03	-7.478E+03	-2.096E-01
456	3	38540.73	146.95	65.25	1	1.606E-14	1.606E-14	-2.169E-07	2.242E+03	6.155E+02	-9.194E+02	2.169E-07	-2.169E-07	-7.854E-01	2.656E+03	2.012E+02	-4.233E-01
456	4	38531.23	136.45	65.25	1	5.640E-07	8.461E-08	-2.195E-14	3.975E+03	-5.683E+03	-1.167E+03	5.640E-07	8.461E-08	-4.579E-08	4.114E+03	-5.822E+03	-1.186E-01
457	1	38349.23	157.45	65.25	1	5.600E-15	-1.776E-15	2.169E-07	2.988E+03	2.553E+03	1.535E+03	2.169E-07	-2.169E-07	7.854E-01	4.321E+03	1.221E+03	7.149E-01
457	2	38358.73	167.95	65.25	1	-5.640E-07	-8.461E-08	-2.662E-14	4.083E+03	1.716E+03	8.664E+02	-8.461E-08	-5.640E-07	1.571E+00	4.366E+03	1.433E+03	3.160E-01
457	3	38349.23	178.45	65.25	1	-2.436E-15	-2.436E-15	-2.169E-07	2.045E+03	5.099E+02	1.153E+03	2.169E-07	-2.169E-07	-7.854E-01	2.663E+03	-1.079E+02	4.918E-01
457	4	38339.73	167.95	65.25	1	5.640E-07	8.461E-08	-5.975E-13	3.463E+02	1.807E+03	1.247E+03	5.640E-07	8.461E-08	-1.246E-06	2.522E+03	-3.688E+02	1.050E+00
458	1	38404.23	157.45	65.25	1	-6.944E-15	-6.731E-15	2.169E-07	-3.879E+03	-7.686E+02	1.173E+03	2.169E-07	-2.169E-07	7.854E-01	-3.761E+02	-4.272E+03	1.248E+00
458	2	38431.40	167.95	65.25	1	-1.972E-07	-2.959E-08	-3.615E-15	-8.512E+03	-1.248E+03	1.569E+02	-2.959E-08	-1.972E-07	1.571E+00	-1.245E+03	-8.516E+03	1.549E+00
458	3	38404.23	178.45	65.25	1	-8.161E-15	-8.161E-15	-2.169E-07	-3.956E+03	-2.896E+02	2.746E+02	2.169E-07	-2.169E-07	-7.854E-01	-2.691E+02	-3.977E+03	1.496E+00
458	4	38377.06	167.95	65.25	1	1.972E-07	2.959E-08	-2.040E-15	6.767E+02	-1.808E+02	4.224E+02	1.972E-07	2.959E-08	-1.217E-08	8.498E+02	-3.539E+02	3.890E-01
459	1	38485.73	157.45	65.25	1	5.858E-15	-2.151E-15	2.169E-07	-3.879E+03	-7.686E+02	-1.173E+03	2.169E-07	-2.169E-07	7.854E-01	-3.761E+02	-4.272E+03	1.894E+00

459	2	38512.90	167.95	65.25	1	-1.972E-07	-2.959E-08	-1.030E-14	6.767E+02	-1.808E+02	-4.224E+02	-2.959E-08	-1.972E-07	1.571E+00	8.498E+02	-3.539E+02	-3.890E-01
459	3	38485.73	178.45	65.25	1	-3.427E-15	-3.427E-15	-2.169E-07	-3.956E+03	-2.896E+02	-2.746E+02	2.169E-07	-2.169E-07	-7.854E-01	-2.691E+02	-3.977E+03	1.645E+00
459	4	38458.57	167.95	65.25	1	1.972E-07	2.959E-08	7.442E-15	-8.512E+03	-1.248E+03	1.569E+02	1.972E-07	2.959E-08	4.439E-08	-1.245E+03	-8.516E+03	1.549E+00
460	1	38540.73	157.45	65.25	1	5.551E-15	-2.440E-14	2.169E-07	2.988E+03	2.553E+03	-1.535E+03	2.169E-07	-2.169E-07	7.854E-01	4.321E+03	1.221E+03	-7.149E-01
460	2	38550.23	167.95	65.25	1	-5.640E-07	-8.461E-08	-5.621E-14	3.463E+02	1.807E+03	-1.247E+03	-8.461E-08	-5.640E-07	1.571E+00	2.522E+03	-3.688E+02	2.091E+00
460	3	38540.73	178.45	65.25	1	-1.590E-14	-1.590E-14	-2.169E-07	2.045E+03	5.099E+02	-1.153E+03	2.169E-07	-2.169E-07	-7.854E-01	2.663E+03	-1.079E+02	-4.918E-01
460	4	38531.23	167.95	65.25	1	5.640E-07	8.461E-08	-5.469E-14	4.083E+03	1.716E+03	-8.664E+02	5.640E-07	8.461E-08	-1.141E-07	4.366E+03	1.433E+03	-3.160E-01

FILE: gus4c004.bin

Caso di carico: 4 - Rara VentoY (1xC1 + 1xC2 + 1xC3 +/- 1xC4 + 1xC5)

Guscio	Nodo	Coord X	Coord Y	Coord Z	Sest.	sx (N/mm2)	sy (N/mm2)	sxy (N/mm2)	mx (kN)	my (kN)	mxy (kN)	s1 (N/mm2)	s2 (N/mm2)	ths (rad)	m1 (kN)	m2 (kN)	thm (rad)
1	1	-137.50	-213.60	0.00	1	3.422E-39	2.282E-38	-2.990E-39	1.262E+02	-4.764E+02	-5.923E+01	2.327E-38	2.972E-39	1.571E+00	1.319E+02	-4.822E+02	-9.706E-02
1	1	-137.50	-213.60	0.00	2	-3.423E-39	-2.282E-38	2.991E-39	1.192E+03	-1.751E+02	6.191E+02	-2.972E-39	-2.327E-38	0.000E+00	1.431E+03	-4.138E+02	3.680E-01
1	2	-112.50	-254.53	0.00	1	1.199E-39	1.406E-38	7.876E-55	8.030E+01	-1.156E+03	3.370E+02	1.406E-38	1.199E-39	1.571E+00	1.662E+02	-1.242E+03	2.496E-01
1	2	-112.50	-254.53	0.00	2	-1.217E-39	-1.406E-38	-7.861E-55	5.136E+02	5.921E+01	8.290E+02	-1.217E-39	-1.406E-38	0.000E+00	1.146E+03	-5.731E+02	6.516E-01
1	3	-87.50	-213.60	0.00	1	2.485E-38	-4.983E-40	-3.105E-54	5.839E+02	-1.998E+03	6.017E+01	2.485E-38	-4.983E-40	0.000E+00	5.853E+02	-2.000E+03	2.328E-02
1	3	-87.50	-213.60	0.00	2	-2.486E-38	4.948E-40	3.104E-54	1.377E+03	-4.489E+02	8.506E+02	4.948E-40	-2.486E-38	1.571E+00	1.712E+03	-7.838E+02	3.750E-01
1	4	-112.50	-172.67	0.00	1	2.493E-40	3.509E-38	-2.133E-54	6.721E+02	-1.498E+03	-3.787E+02	3.509E-38	2.493E-40	1.571E+00	7.363E+02	-1.562E+03	-1.679E-01
1	4	-112.50	-172.67	0.00	2	-2.566E-40	-3.507E-38	2.132E-54	2.037E+03	-6.073E+02	5.939E+02	-2.566E-40	-3.507E-38	0.000E+00	2.165E+03	-7.346E+02	2.111E-01
2	1	-62.50	-213.60	0.00	1	1.881E-26	1.254E-25	-2.296E-26	3.202E+02	-3.394E+03	2.311E+02	1.302E-25	1.408E-26	1.571E+00	3.345E+02	-3.408E+03	6.192E-02
2	1	-62.50	-213.60	0.00	2	-1.882E-26	-1.255E-25	2.302E-26	1.295E+03	-1.043E+03	1.171E+03	-1.407E-26	-1.303E-25	0.000E+00	1.781E+03	-1.529E+03	3.931E-01
2	2	-37.50	-254.53	0.00	1	9.391E-28	7.294E-26	4.409E-42	5.859E+02	-4.285E+03	8.746E+02	7.294E-26	9.391E-28	1.571E+00	7.382E+02	-4.437E+03	1.724E-01
2	2	-37.50	-254.53	0.00	2	-1.112E-27	-7.290E-26	-4.396E-42	7.706E+02	-3.080E+02	1.599E+03	-1.112E-27	-7.290E-26	0.000E+00	1.919E+03	-1.456E+03	6.228E-01
2	3	-12.50	-213.60	0.00	1	1.392E-25	-2.893E-27	-1.740E-41	1.336E+03	-4.964E+03	6.060E+02	1.392E-25	-2.893E-27	0.000E+00	1.394E+03	-5.021E+03	9.504E-02
2	3	-12.50	-213.60	0.00	2	-1.391E-25	2.719E-27	1.737E-41	2.047E+03	-1.173E+02	1.444E+03	2.719E-27	-1.391E-25	1.571E+00	2.770E+03	-8.395E+02	4.638E-01
2	4	-37.50	-172.67	0.00	1	-3.005E-29	2.067E-25	-1.266E-41	1.371E+03	-5.344E+03	-9.653E+02	2.067E-25	-3.005E-29	1.571E+00	1.507E+03	-5.480E+03	-1.400E-01
2	4	-37.50	-172.67	0.00	2	-1.597E-28	-2.065E-25	1.264E-41	2.629E+03	-1.094E+03	4.276E+02	-1.597E-28	-2.065E-25	0.000E+00	2.677E+03	-1.143E+03	1.129E-01
3	1	13.58	-213.60	0.00	1	9.706E-14	6.471E-13	-1.501E-13	1.183E+03	-6.222E+03	1.255E+03	6.854E-13	5.876E-14	1.571E+00	1.390E+03	-6.429E+03	1.634E-01
3	1	13.58	-213.60	0.00	2	-9.717E-14	-6.478E-13	1.510E-13	2.177E+03	-1.202E+02	1.915E+03	-5.846E-14	-6.865E-13	0.000E+00	3.262E+03	-1.205E+03	5.152E-01
3	2	40.75	-254.53	0.00	1	-7.405E-14	3.436E-13	2.557E-29	9.121E+02	-3.919E+03	1.679E+03	3.436E-13	-7.405E-14	1.571E+00	1.438E+03	-4.445E+03	3.037E-01
3	2	40.75	-254.53	0.00	2	7.189E-14	-3.431E-13	-2.541E-29	-5.405E+02	8.286E+02	1.402E+03	7.189E-14	-3.431E-13	0.000E+00	1.704E+03	-1.416E+03	1.012E+00
3	3	67.92	-213.60	0.00	1	7.445E-13	6.188E-14	-8.360E-29	3.514E+03	-4.048E+03	2.872E+03	7.445E-13	6.188E-14	0.000E+00	4.482E+03	-5.015E+03	3.248E-01
3	3	67.92	-213.60	0.00	2	-7.421E-13	-6.683E-14	8.270E-29	3.018E+03	5.424E+03	4.171E+02	-6.683E-14	-7.421E-13	1.571E+00	5.495E+03	2.948E+03	1.404E+00
3	4	40.75	-172.67	0.00	1	9.522E-15	1.271E-12	-7.727E-29	4.316E+03	-8.054E+03	-1.398E+03	1.271E-12	9.522E-15	1.571E+00	4.472E+03	-8.210E+03	-1.111E-01
3	4	40.75	-172.67	0.00	2	-1.399E-14	-1.269E-12	7.682E-29	5.621E+03	4.845E+03	2.025E+02	-1.399E-14	-1.269E-12	0.000E+00	5.671E+03	4.795E+03	2.403E-01
4	1	86.25	-213.60	0.00	1	-1.661E-13	-1.792E-12	-4.404E-14	4.301E+03	2.728E+01	3.555E+03	-1.649E-13	-1.793E-12	0.000E+00	6.312E+03	-1.983E+03	5.147E-01
4	1	86.25	-213.60	0.00	2	1.633E-13	1.792E-12	4.136E-14	2.549E+03	1.959E+03	-1.099E+03	1.793E-12	1.623E-13	1.571E+00	3.392E+03	1.116E+03	-6.543E-01
4	2	95.75	-254.53	0.00	1	-2.110E-13	1.391E-13	2.143E-29	-1.760E+03	-2.549E+03	-3.084E+02	1.391E-13	-2.110E-13	1.571E+00	-1.654E+03	-2.655E+03	-3.319E-01
4	2	95.75	-254.53	0.00	2	2.088E-13	-1.387E-13	-2.128E-29	1.438E+02	1.485E+03	1.099E+03	2.088E-13	-1.387E-13	0.000E+00	2.102E+03	-4.731E+02	1.059E+00
4	3	105.25	-213.60	0.00	1	-2.511E-13	-1.759E-12	-1.847E-28	5.227E+03	2.214E+03	4.563E+02	-2.511E-13	-1.759E-12	0.000E+00	5.295E+03	2.146E+03	1.470E-01
4	3	105.25	-213.60	0.00	2	2.561E-13	1.753E-12	1.834E-28	1.879E+03	-2.186E+02	-1.622E+03	1.753E-12	2.561E-13	1.571E+00	2.762E+03	-1.102E+03	-4.985E-01
4	4	95.75	-172.67	0.00	1	-3.536E-12	-3.601E-13	-1.945E-28	1.132E+04	5.109E+03	-7.272E+02	-3.601E-13	-3.536E-12	1.571E+00	1.140E+04	5.025E+03	-1.150E-01
4	4	95.75	-172.67	0.00	2	3.525E-12	3.700E-13	1.932E-28	4.304E+03	4.627E+02	7.112E+02	3.525E-12	3.700E-13	0.000E+00	4.431E+03	3.352E+02	1.773E-01

5	1	-137.50	-76.10	0.00	1	2.480E-39	1.654E-38	5.634E-39	-1.588E+01	-3.064E+02	-9.581E+02	1.852E-38	5.010E-40	1.571E+00	8.079E+02	-1.130E+03	-7.102E-01
5	1	-137.50	-76.10	0.00	2	-2.476E-39	-1.651E-38	-5.635E-39	5.337E+02	-4.599E+01	3.745E+02	-4.937E-40	-1.849E-38	0.000E+00	7.174E+02	-2.297E+02	4.561E-01
5	2	-112.50	-126.83	0.00	1	-1.294E-39	3.517E-38	2.233E-54	2.882E+02	-1.576E+03	-4.587E+02	3.517E-38	-1.294E-39	1.571E+00	3.950E+02	-1.682E+03	-2.287E-01
5	2	-112.50	-126.83	0.00	2	1.301E-39	-3.516E-38	-2.233E-54	1.306E+03	-8.178E+02	6.662E+02	1.301E-39	-3.516E-38	0.000E+00	1.498E+03	-1.009E+03	2.801E-01
5	3	-87.50	-76.10	0.00	1	2.031E-38	-3.918E-39	-2.967E-54	-4.534E+01	-1.580E+03	-1.252E+03	2.031E-38	-3.918E-39	0.000E+00	6.557E+02	-2.281E+03	-5.105E-01
5	3	-87.50	-76.10	0.00	2	-2.028E-38	3.917E-39	2.963E-54	2.854E+02	-1.085E+03	3.142E+02	3.917E-39	-2.028E-38	1.571E+00	3.541E+02	-1.153E+03	2.151E-01
5	4	-112.50	-25.37	0.00	1	-7.222E-39	8.754E-39	-9.782E-55	-3.304E+02	-5.076E+02	-5.766E+02	8.754E-39	-7.222E-39	1.571E+00	1.643E+02	-1.002E+03	-7.092E-01
5	4	-112.50	-25.37	0.00	2	7.207E-39	-8.689E-39	9.733E-55	-4.785E+02	-4.032E+02	8.889E+02	7.207E-39	-8.689E-39	0.000E+00	4.489E+02	-1.331E+03	8.066E-01
6	1	-62.50	-76.10	0.00	1	1.458E-26	9.722E-26	2.635E-26	-2.272E+02	-2.481E+03	-1.645E+03	1.049E-25	6.895E-27	1.571E+00	6.396E+02	-3.348E+03	-4.851E-01
6	1	-62.50	-76.10	0.00	2	-1.456E-26	-9.710E-26	-2.632E-26	2.807E+02	-8.520E+02	1.108E+02	-6.885E-27	-1.048E-25	0.000E+00	2.915E+02	-8.627E+02	9.664E-02
6	2	-37.50	-126.83	0.00	1	-5.297E-27	2.046E-25	1.285E-41	8.419E+02	-5.533E+03	-1.214E+03	2.046E-25	-5.297E-27	1.571E+00	1.065E+03	-5.757E+03	-1.820E-01
6	2	-37.50	-126.83	0.00	2	5.185E-27	-2.044E-25	-1.283E-41	1.901E+03	-1.494E+03	3.898E+02	5.185E-27	-2.044E-25	0.000E+00	1.945E+03	-1.538E+03	1.129E-01
6	3	-12.50	-76.10	0.00	1	1.152E-25	-1.747E-26	-1.625E-41	-1.169E+02	-3.799E+03	-2.625E+03	1.152E-25	-1.747E-26	0.000E+00	1.248E+03	-5.164E+03	-4.795E-01
6	3	-12.50	-76.10	0.00	2	-1.150E-25	1.750E-26	1.623E-41	-1.880E+02	-1.788E+03	3.365E+02	1.750E-25	-1.150E-25	1.571E+00	-1.201E+02	-1.856E+03	1.991E-01
6	4	-37.50	-25.37	0.00	1	-3.413E-26	4.440E-26	-4.808E-42	-1.066E+03	-1.989E+03	-8.230E+02	4.440E-26	-3.413E-26	1.571E+00	-5.841E+02	-2.471E+03	-5.300E-01
6	4	-37.50	-25.37	0.00	2	3.413E-26	-4.414E-26	4.792E-42	-1.742E+03	-1.828E+03	1.633E+03	3.413E-26	-4.414E-26	0.000E+00	-1.519E+02	-3.419E+03	7.722E-01
7	1	13.58	-76.10	0.00	1	8.999E-14	6.000E-13	8.069E-14	-3.083E+02	-5.014E+03	-3.643E+03	6.124E-13	7.753E-14	1.571E+00	1.675E+03	-6.998E+03	-4.986E-01
7	1	13.58	-76.10	0.00	2	-8.990E-14	-5.994E-13	-7.975E-14	1.153E+02	2.589E+02	3.265E+02	-7.771E-14	-6.116E-13	0.000E+00	5.214E+02	-1.472E+02	8.936E-01
7	2	40.75	-126.83	0.00	1	-6.969E-15	1.222E-12	7.528E-29	3.305E+03	-8.502E+03	-2.571E+03	1.222E-12	-6.969E-15	1.571E+00	3.841E+03	-9.038E+03	-2.054E-01
7	2	40.75	-126.83	0.00	2	3.975E-15	-1.218E-12	-7.483E-29	3.486E+03	4.154E+03	3.298E+02	3.975E-15	-1.218E-12	0.000E+00	4.290E+03	3.350E+03	1.182E+00
7	3	67.92	-76.10	0.00	1	6.608E-13	-1.836E-14	-8.318E-29	9.499E+02	-3.285E+03	-5.654E+03	6.608E-13	-1.836E-14	0.000E+00	4.870E+03	-7.205E+03	-6.062E-01
7	3	67.92	-76.10	0.00	2	-6.566E-13	1.618E-14	8.239E-29	-1.103E+03	2.676E+03	2.318E+03	1.618E-14	-6.566E-13	1.571E+00	3.777E+03	-2.204E+03	1.127E+00
7	4	40.75	-25.37	0.00	1	-8.514E-14	2.021E-13	-1.759E-29	-2.383E+03	-1.762E+03	-2.257E+03	2.021E-13	-8.514E-14	1.571E+00	2.058E+02	-4.351E+03	2.288E+00
7	4	40.75	-25.37	0.00	2	8.476E-14	-2.003E-13	1.746E-29	-4.427E+03	-1.540E+03	3.774E+03	8.476E-14	-2.003E-13	0.000E+00	1.057E+03	-7.025E+03	9.681E-01
8	1	86.25	-76.10	0.00	1	-3.478E-13	-1.766E-12	2.022E-13	1.739E+03	1.269E+03	-6.437E+03	-3.195E-13	-1.795E-12	0.000E+00	7.946E+03	-4.938E+03	-7.671E-01
8	1	86.25	-76.10	0.00	2	3.500E-13	1.766E-12	-2.049E-13	-1.644E+03	-9.544E+02	3.275E+03	1.795E-12	3.210E-13	1.571E+00	1.994E+03	-4.593E+03	8.378E-01
8	2	95.75	-126.83	0.00	1	-3.592E-12	-4.564E-13	1.920E-28	8.588E+03	1.204E+03	-3.143E+03	-4.564E-13	-3.592E-12	1.571E+00	9.745E+03	4.708E+01	-3.526E-01
8	2	95.75	-126.83	0.00	2	3.581E-12	4.679E-13	-1.906E-28	1.230E+03	-2.487E+03	2.623E+03	3.581E-12	4.679E-13	0.000E+00	2.586E+03	-3.843E+03	4.772E-01
8	3	105.25	-76.10	0.00	1	-2.198E-13	-1.852E-12	-1.999E-28	2.164E+03	1.878E+03	-3.824E+03	-2.198E-13	-1.852E-12	0.000E+00	5.847E+03	-1.806E+03	-7.667E-01
8	3	105.25	-76.10	0.00	2	2.256E-13	1.847E-12	1.986E-28	-2.292E+03	-2.891E+03	4.586E+03	1.847E-12	2.256E-13	1.571E+00	2.005E+03	-7.188E+03	7.528E-01
8	4	95.75	-25.37	0.00	1	-2.220E-13	8.370E-14	-1.872E-29	-4.637E+03	2.362E+03	-3.975E+03	8.370E-14	-2.220E-13	1.571E+00	4.159E+03	-6.434E+03	1.995E+00
8	4	95.75	-25.37	0.00	2	2.216E-13	-8.200E-14	1.859E-29	-5.263E+03	-2.202E+03	4.409E+03	2.216E-13	-8.200E-14	0.000E+00	9.343E+02	-8.400E+03	9.525E-01
9	1	-137.50	76.10	0.00	1	1.251E-33	1.187E-33	7.855E-34	5.425E+02	-4.738E+01	-3.764E+02	2.005E-33	4.328E-34	0.000E+00	7.258E+02	-2.307E+02	-4.531E-01
9	1	-137.50	76.10	0.00	2	2.881E-32	4.174E-32	2.051E-32	-2.470E+01	-3.050E+02	9.601E+02	5.678E-32	1.377E-32	1.571E+00	8.054E+02	-1.135E+03	7.129E-01
9	2	-112.50	25.37	0.00	1	-1.328E-32	1.422E-32	1.684E-48	-4.682E+02	-4.047E+02	-5.771E+02	1.422E-32	-1.328E-32	1.571E+00	1.415E+02	-1.014E+03	2.329E+00
9	2	-112.50	25.37	0.00	2	1.148E-32	1.244E-32	5.884E-50	-3.408E+02	-5.060E+02	8.895E+02	1.244E-32	1.148E-32	1.571E+00	4.699E+02	-1.317E+03	7.391E-01
9	3	-87.50	76.10	0.00	1	2.882E-32	-2.699E-32	-6.835E-48	2.962E+02	-1.085E+03	-3.168E+02	2.882E-32	-2.699E-32	0.000E+00	3.654E+02	-1.154E+03	-2.151E-01
9	3	-87.50	76.10	0.00	2	2.990E-32	2.795E-32	-2.388E-49	-5.609E+01	-1.580E+03	1.254E+03	2.990E-32	2.795E-32	0.000E+00	6.496E+02	-2.286E+03	5.125E-01
9	4	-112.50	126.83	0.00	1	-4.443E-32	4.776E-32	-5.645E-48	1.316E+03	-8.173E+02	-6.691E+02	4.776E-32	-4.443E-32	1.571E+00	1.508E+03	-1.010E+03	-2.802E-01
9	4	-112.50	126.83	0.00	2	5.075E-32	5.374E-32	-1.830E-49	2.790E+02	-1.576E+03	4.616E+02	5.374E-32	5.075E-32	1.571E+00	3.875E+02	-1.685E+03	2.309E-01
10	1	-62.50	76.10	0.00	1	-1.459E-26	-9.725E-26	2.636E-26	2.910E+02	-8.560E+02	-1.135E+02	-6.897E-27	-1.049E-25	0.000E+00	3.021E+02	-8.672E+02	-9.769E-02
10	1	-62.50	76.10	0.00	2	1.461E-26	9.737E-26	-2.639E-26	-2.375E+02	-2.477E+03	1.647E+03	1.051E-25	6.907E-27	1.571E+00	6.347E+02	-3.349E+03	4.869E-01
10	2	-37.50	25.37	0.00	1	-4.440E-26	3.408E-26	4.805E-42	-1.729E+03	-1.831E+03	-8.236E+02	3.408E-26	-4.440E-26	1.571E+00	-9.549E+02	-2.605E+03	-7.545E-01

10	2	-37.50	25.37	0.00	2	4.439E-26	-3.382E-26	-4.789E-42	-1.079E+03	-1.986E+03	1.633E+03	4.439E-26	-3.382E-26	0.000E+00	1.624E+02	-3.228E+03	6.500E-01
10	3	-12.50	76.10	0.00	1	1.744E-26	-1.152E-25	-1.624E-41	-1.731E+02	-1.786E+03	-3.402E+02	1.744E-26	-1.152E-25	0.000E+00	-1.043E+02	-1.855E+03	-1.996E-01
10	3	-12.50	76.10	0.00	2	-1.727E-26	1.153E-25	1.623E-41	-1.317E+02	-3.801E+03	2.628E+03	1.153E-25	-1.727E-26	1.571E+00	1.239E+03	-5.172E+03	4.807E-01
10	4	-37.50	126.83	0.00	1	-2.046E-25	5.266E-27	-1.285E-41	1.913E+03	-1.493E+03	-3.952E+02	5.266E-27	-2.046E-25	1.571E+00	1.958E+03	-1.538E+03	-1.140E-01
10	4	-37.50	126.83	0.00	2	2.044E-25	-5.068E-27	1.283E-41	8.298E+02	-5.534E+03	1.220E+03	2.044E-25	-5.068E-27	0.000E+00	1.056E+03	-5.760E+03	1.830E-01
11	1	13.58	76.10	0.00	1	-9.001E-14	-6.001E-13	8.089E-14	1.293E+02	2.516E+02	-3.288E+02	-7.749E-14	-6.126E-13	0.000E+00	5.249E+02	-1.440E+02	2.264E+00
11	1	13.58	76.10	0.00	2	9.010E-14	6.007E-13	-8.182E-14	-3.222E+02	-5.007E+03	3.645E+03	6.135E-13	7.731E-14	1.571E+00	1.668E+03	-6.998E+03	4.998E-01
11	2	40.75	25.37	0.00	1	-2.025E-13	8.534E-14	1.763E-29	-4.412E+03	-1.538E+03	-2.257E+03	8.534E-14	-2.025E-13	1.571E+00	-2.995E+02	-5.650E+03	2.073E+00
11	2	40.75	25.37	0.00	2	2.022E-13	-8.361E-14	-1.750E-29	-2.399E+03	-1.765E+03	3.773E+03	2.022E-13	-8.361E-14	0.000E+00	1.705E+03	-5.868E+03	8.273E-01
11	3	67.92	76.10	0.00	1	1.720E-14	-6.601E-13	-8.294E-29	-1.077E+03	2.686E+03	-2.321E+03	1.720E-14	-6.601E-13	0.000E+00	3.792E+03	-2.183E+03	2.016E+00
11	3	67.92	76.10	0.00	2	-1.300E-14	6.579E-13	8.216E-29	9.240E+02	-3.295E+03	5.656E+03	6.579E-13	-1.300E-14	1.571E+00	4.851E+03	-7.223E+03	6.069E-01
11	4	40.75	126.83	0.00	1	-1.222E-12	6.495E-15	-7.524E-29	3.509E+03	4.157E+03	-3.402E+02	6.495E-15	-1.222E-12	1.571E+00	4.302E+03	3.363E+03	1.976E+00
11	4	40.75	126.83	0.00	2	1.219E-12	-2.144E-15	7.479E-29	3.282E+03	-8.504E+03	2.582E+03	1.219E-12	-2.144E-15	0.000E+00	3.822E+03	-9.045E+03	2.065E-01
12	1	86.25	76.10	0.00	1	3.473E-13	1.767E-12	2.017E-13	-1.619E+03	-9.542E+02	-3.280E+03	1.795E-12	3.192E-13	1.571E+00	2.010E+03	-4.584E+03	2.306E+00
12	1	86.25	76.10	0.00	2	-3.450E-13	-1.767E-12	-1.990E-13	1.715E+03	1.269E+03	6.442E+03	-3.177E-13	-1.794E-12	0.000E+00	7.938E+03	-4.954E+03	7.681E-01
12	2	95.75	25.37	0.00	1	-8.358E-14	2.216E-13	1.869E-29	-5.246E+03	-2.197E+03	-3.978E+03	2.216E-13	-8.358E-14	1.571E+00	5.386E+02	-7.981E+03	2.173E+00
12	2	95.75	25.37	0.00	2	8.323E-14	-2.199E-13	-1.856E-29	-4.655E+03	2.357E+03	4.411E+03	8.323E-14	-2.199E-13	0.000E+00	4.486E+03	-6.783E+03	1.121E+00
12	3	105.25	76.10	0.00	1	1.851E-12	2.211E-13	-1.996E-28	-2.267E+03	-2.891E+03	-4.593E+03	1.851E-12	2.211E-13	0.000E+00	2.025E+03	-7.182E+03	-7.515E-01
12	3	105.25	76.10	0.00	2	-1.845E-12	-2.262E-13	1.982E-28	2.139E+03	1.877E+03	3.830E+03	-2.262E-12	-1.845E-12	1.571E+00	5.841E+03	-1.824E+03	7.684E-01
12	4	95.75	126.83	0.00	1	4.570E-13	3.591E-12	-1.919E-28	1.262E+03	-2.492E+03	-2.627E+03	3.591E-12	4.570E-13	1.571E+00	2.614E+03	-3.843E+03	-4.752E-01
12	4	95.75	126.83	0.00	2	-4.672E-13	-3.579E-12	1.905E-28	8.556E+03	1.208E+03	3.147E+03	-4.672E-13	-3.579E-12	0.000E+00	9.720E+03	4.446E+01	3.542E-01
13	1	-137.50	213.60	0.00	1	-8.484E-33	-1.427E-32	-5.398E-33	1.194E+03	-1.743E+02	-6.215E+02	-5.254E-33	-1.750E-32	0.000E+00	1.434E+03	-4.145E+02	-3.687E-01
13	1	-137.50	213.60	0.00	2	-1.129E-32	7.184E-32	8.490E-34	1.241E+02	-4.772E+02	6.162E+01	7.185E-32	-1.130E-32	1.571E+00	1.304E+02	-4.834E+02	1.011E-01
13	2	-112.50	172.67	0.00	1	-4.783E-32	4.757E-32	5.842E-48	2.040E+03	-6.079E+02	-5.968E+02	4.757E-32	-4.783E-32	1.571E+00	2.168E+03	-7.362E+02	-2.117E-01
13	2	-112.50	172.67	0.00	2	3.514E-32	3.997E-32	2.955E-49	6.692E+02	-1.497E+03	3.816E+02	3.997E-32	3.514E-32	1.571E+00	7.345E+02	-1.562E+03	1.694E-01
13	3	-87.50	213.60	0.00	1	3.139E-32	-4.355E-32	-9.176E-48	1.378E+03	-4.484E+02	-8.540E+02	3.139E-32	-4.355E-32	0.000E+00	1.715E+03	-7.855E+02	-3.760E-01
13	3	-87.50	213.60	0.00	2	1.755E-32	4.688E-32	3.592E-48	5.829E+02	-1.999E+03	-5.674E+01	4.688E-32	1.755E-32	1.571E+00	5.841E+02	-2.000E+03	-2.196E-02
13	4	-112.50	254.53	0.00	1	-5.067E-32	1.601E-32	-4.083E-48	5.137E+02	6.156E+01	-8.309E+02	1.601E-32	-5.067E-32	1.571E+00	1.149E+03	-5.735E+02	-6.526E-01
13	4	-112.50	254.53	0.00	2	4.350E-32	6.371E-33	2.273E-48	8.020E+01	-1.158E+03	-3.351E+02	4.350E-32	6.371E-33	0.000E+00	1.650E+02	-1.243E+03	-2.480E-01
14	1	-62.50	213.60	0.00	1	-1.881E-26	-1.254E-25	-2.294E-26	1.296E+03	-1.040E+03	-1.175E+03	-1.409E-26	-1.301E-25	0.000E+00	1.785E+03	-1.529E+03	-3.942E-01
14	1	-62.50	213.60	0.00	2	1.880E-26	1.254E-25	2.288E-26	3.188E+02	-3.397E+03	-2.272E+02	1.301E-25	1.410E-26	1.571E+00	3.327E+02	-3.411E+03	-6.084E-02
14	2	-37.50	172.67	0.00	1	-2.067E-25	3.445E-29	1.266E-41	2.630E+03	-1.095E+03	-4.333E+02	3.445E-29	-2.067E-25	1.571E+00	2.679E+03	-1.145E+03	-1.143E-01
14	2	-37.50	172.67	0.00	2	2.065E-25	1.048E-28	-1.264E-41	1.370E+03	-5.343E+03	9.710E+02	2.065E-25	1.048E-28	0.000E+00	1.508E+03	-5.481E+03	1.408E-01
14	3	-12.50	213.60	0.00	1	2.885E-27	-1.391E-25	-1.739E-41	2.046E+03	-1.184E+02	-1.450E+03	2.885E-27	-1.391E-25	0.000E+00	2.772E+03	-8.453E+02	-4.648E-01
14	3	-12.50	213.60	0.00	2	-2.819E-27	1.390E-25	1.736E-41	1.338E+03	-4.962E+03	-6.004E+02	1.390E-25	-2.819E-27	1.571E+00	1.394E+03	-5.019E+03	-9.417E-02
14	4	-37.50	254.53	0.00	1	-7.287E-26	-9.890E-28	-4.401E-42	7.693E+02	-3.043E+02	-1.602E+03	-9.890E-28	-7.287E-26	1.571E+00	1.922E+03	-1.457E+03	-6.238E-01
14	4	-37.50	254.53	0.00	2	7.269E-26	1.033E-27	4.388E-42	5.872E+02	-4.289E+03	-8.714E+02	7.269E-26	1.033E-27	0.000E+00	7.383E+02	-4.440E+03	-1.716E-01
15	1	13.58	213.60	0.00	1	-9.704E-14	-6.469E-13	-1.499E-13	2.176E+03	-1.140E+02	-1.919E+03	-5.883E-14	-6.852E-13	0.000E+00	3.266E+03	-1.204E+03	-5.164E-01
15	1	13.58	213.60	0.00	2	9.693E-14	6.462E-13	1.490E-13	1.185E+03	-6.228E+03	-1.251E+03	6.840E-13	5.913E-14	1.571E+00	1.390E+03	-6.434E+03	-1.628E-01
15	2	40.75	172.67	0.00	1	-1.271E-12	-9.403E-15	7.726E-29	5.610E+03	4.842E+03	-2.129E+02	-9.403E-15	-1.271E-12	1.571E+00	5.665E+03	4.787E+03	-2.531E-01
15	2	40.75	172.67	0.00	2	1.267E-12	1.219E-14	-7.682E-29	4.327E+03	-8.052E+03	1.408E+03	1.267E-12	1.219E-14	0.000E+00	4.485E+03	-8.210E+03	1.118E-01
15	3	67.92	213.60	0.00	1	-6.136E-14	-7.445E-13	-8.366E-29	3.006E+03	5.414E+03	-4.209E+02	-6.136E-14	-7.445E-13	0.000E+00	5.485E+03	2.935E+03	1.739E+00
15	3	67.92	213.60	0.00	2	6.375E-14	7.396E-13	8.276E-29	3.526E+03	-4.037E+03	-2.869E+03	7.396E-13	6.375E-14	1.571E+00	4.491E+03	-5.002E+03	-3.245E-01

15	4	40.75	254.53	0.00	1	-3.429E-13	7.366E-14	-2.550E-29	-5.424E+02	8.256E+02	-1.405E+03	7.366E-14	-3.429E-13	1.571E+00	1.704E+03	-1.421E+03	2.130E+00
15	4	40.75	254.53	0.00	2	3.407E-13	-7.317E-14	2.534E-29	9.141E+02	-3.916E+03	-1.676E+03	3.407E-13	-7.317E-14	0.000E+00	1.439E+03	-4.441E+03	-3.033E-01
16	1	86.25	213.60	0.00	1	1.667E-13	1.791E-12	-4.460E-14	2.538E+03	1.957E+03	1.093E+03	1.793E-12	1.655E-13	1.571E+00	3.378E+03	1.116E+03	6.555E-01
16	1	86.25	213.60	0.00	2	-1.695E-13	-1.791E-12	4.728E-14	4.313E+03	2.962E+01	-3.548E+03	-1.681E-13	-1.792E-12	0.000E+00	6.316E+03	-1.973E+03	-5.139E-01
16	2	95.75	172.67	0.00	1	3.611E-13	3.536E-12	1.944E-28	4.284E+03	4.682E+02	-7.157E+02	3.536E-12	3.611E-13	1.571E+00	4.413E+03	3.384E+02	-1.795E-01
16	2	95.75	172.67	0.00	2	-3.727E-13	-3.526E-12	-1.931E-28	1.134E+04	5.103E+03	7.317E+02	-3.727E-13	-3.526E-12	0.000E+00	1.142E+04	5.018E+03	1.152E-01
16	3	105.25	213.60	0.00	1	1.760E-12	2.503E-13	-1.849E-28	1.868E+03	-2.171E+02	1.615E+03	1.760E-12	2.503E-13	0.000E+00	2.747E+03	-1.097E+03	4.988E-01
16	3	105.25	213.60	0.00	2	-1.755E-12	-2.563E-13	1.836E-28	5.238E+03	2.212E+03	-4.488E+02	-2.563E-13	-1.755E-12	1.571E+00	5.303E+03	2.147E+03	-1.442E-01
16	4	95.75	254.53	0.00	1	-1.391E-13	2.113E-13	-2.146E-29	1.418E+02	1.478E+03	-1.095E+03	2.113E-13	-1.391E-13	1.571E+00	2.093E+03	-4.727E+02	2.082E+00
16	4	95.75	254.53	0.00	2	1.370E-13	-2.109E-13	2.130E-29	-1.758E+03	-2.542E+03	3.043E+02	1.370E-13	-2.109E-13	0.000E+00	-1.654E+03	-2.646E+03	3.302E-01
17	1	40902.73	-213.60	40.80	1	-2.622E-13	-1.748E-12	1.144E-13	5.230E+03	2.210E+03	-4.453E+02	-2.535E-13	-1.757E-12	0.000E+00	5.294E+03	2.145E+03	-1.434E-01
17	1	40902.73	-213.60	40.80	2	2.621E-13	1.747E-12	-1.118E-13	1.875E+03	-2.147E+02	1.611E+03	1.756E-12	2.538E-13	1.571E+00	2.751E+03	-1.090E+03	4.977E-01
17	2	40912.23	-254.53	40.80	1	-2.109E-13	1.391E-13	2.143E-29	-1.754E+03	-2.536E+03	3.010E+02	1.391E-13	-2.109E-13	1.571E+00	-1.652E+03	-2.639E+03	3.281E-01
17	2	40912.23	-254.53	40.80	2	2.088E-13	-1.387E-13	-2.128E-29	1.379E+02	1.472E+03	-1.092E+03	2.088E-13	-1.387E-13	0.000E+00	2.085E+03	-4.743E+02	2.082E+00
17	3	40921.73	-213.60	40.80	1	-1.610E-13	-1.797E-12	-2.003E-28	4.307E+03	3.301E+01	-3.540E+03	-1.610E-13	-1.797E-12	0.000E+00	6.305E+03	-1.965E+03	-5.138E-01
17	3	40921.73	-213.60	40.80	2	1.661E-13	1.789E-12	1.987E-28	2.543E+03	1.953E+03	1.084E+03	1.789E-12	1.661E-13	1.571E+00	3.371E+03	1.124E+03	6.527E-01
17	4	40912.23	-172.67	40.80	1	-3.536E-12	-3.601E-13	-1.945E-28	1.132E+04	5.098E+03	7.298E+02	-3.601E-13	-3.536E-12	1.571E+00	1.141E+04	5.014E+03	1.152E-01
17	4	40912.23	-172.67	40.80	2	3.525E-12	3.700E-13	1.932E-28	4.300E+03	4.731E+02	-7.137E+02	3.525E-12	3.700E-13	0.000E+00	4.429E+03	3.443E+02	-1.785E-01
18	1	40940.06	-213.60	40.80	1	1.944E-13	6.120E-13	2.678E-13	3.524E+03	-4.017E+03	-2.864E+03	7.428E-13	6.364E-14	1.571E+00	4.489E+03	-4.982E+03	-3.248E-01
18	1	40940.06	-213.60	40.80	2	-1.972E-13	-6.117E-13	-2.687E-13	3.008E+03	5.394E+03	-4.253E+02	-6.509E-14	-7.438E-13	0.000E+00	5.467E+03	2.935E+03	1.742E+00
18	2	40967.23	-254.53	40.80	1	-7.404E-14	3.436E-13	2.557E-29	9.097E+02	-3.906E+03	-1.678E+03	3.436E-13	-7.404E-14	1.571E+00	1.436E+03	-4.433E+03	-3.042E-01
18	2	40967.23	-254.53	40.80	2	7.190E-14	-3.431E-13	-2.541E-29	-5.381E+02	8.158E+02	-1.403E+03	7.190E-14	-3.431E-13	0.000E+00	1.697E+03	-1.419E+03	2.131E+00
18	3	40994.40	-213.60	40.80	1	6.867E-13	5.741E-14	-7.707E-29	1.192E+03	-6.209E+03	-1.256E+03	6.867E-13	5.741E-14	0.000E+00	1.399E+03	-6.416E+03	-1.636E-01
18	3	40994.40	-213.60	40.80	2	-6.852E-13	-5.980E-14	7.658E-29	2.169E+03	-1.329E+02	-1.914E+03	-5.980E-14	-6.852E-13	1.571E+00	3.251E+03	-1.216E+03	-5.147E-01
18	4	40967.23	-172.67	40.80	1	9.543E-15	1.271E-12	-7.727E-29	4.334E+03	-8.018E+03	1.398E+03	1.271E-12	9.543E-15	1.571E+00	4.490E+03	-8.174E+03	1.113E-01
18	4	40967.23	-172.67	40.80	2	-1.398E-14	-1.269E-12	7.683E-29	5.602E+03	4.808E+03	-2.026E+02	-1.398E-14	-1.269E-12	0.000E+00	5.651E+03	4.759E+03	-2.358E-01
19	1	41020.48	-213.60	40.80	1	-2.415E-24	-1.601E-23	-2.259E-23	1.343E+03	-4.953E+02	-6.064E+02	1.438E-23	-3.281E-23	0.000E+00	1.401E+03	-5.011E+03	-9.514E-02
19	1	41020.48	-213.60	40.80	2	-2.514E-24	-1.685E-23	-2.348E-23	2.040E+03	-1.273E+02	-1.444E+03	1.487E-23	-3.423E-23	0.000E+00	2.762E+03	-8.488E+02	-4.634E-01
19	2	41045.48	-254.53	40.80	1	-6.358E-23	2.626E-23	5.501E-39	5.881E+02	-4.278E+03	-8.752E+02	2.626E-23	-6.358E-23	1.571E+00	7.407E+02	-4.431E+03	-1.727E-01
19	2	41045.48	-254.53	40.80	2	-6.271E-23	2.389E-23	5.303E-39	7.684E+02	-3.146E+02	-1.599E+03	2.389E-23	-6.271E-23	1.571E+00	1.915E+03	-1.461E+03	-6.221E-01
19	3	41070.48	-213.60	40.80	1	1.468E-23	-7.076E-23	-1.046E-38	3.248E+02	-3.392E+03	-2.315E+02	1.468E-23	-7.076E-23	0.000E+00	3.391E+02	-3.407E+03	-6.196E-02
19	3	41070.48	-213.60	40.80	2	1.208E-23	-7.049E-23	-1.011E-38	1.290E+03	-1.045E+03	-1.171E+03	1.208E-23	-7.049E-23	0.000E+00	1.776E+03	-1.531E+03	-3.934E-01
19	4	41045.48	-172.67	40.80	1	-3.348E-23	-3.712E-24	-1.822E-39	1.380E+03	-5.338E+03	9.662E+02	-3.712E-24	-3.348E-23	1.571E+00	1.516E+03	-5.474E+03	1.400E-01
19	4	41045.48	-172.67	40.80	2	-3.400E-23	-4.955E-24	-1.778E-39	2.619E+03	-1.101E+03	-4.283E+02	-4.955E-24	-3.400E-23	1.571E+00	2.668E+03	-1.149E+03	-1.132E-01
20	1	41095.48	-213.60	40.80	1	-6.261E-23	6.384E-24	2.263E-23	5.882E+02	-1.997E+03	-5.989E+01	1.314E-23	-6.937E-23	1.571E+00	5.896E+02	-1.998E+03	-2.315E-02
20	1	41095.48	-213.60	40.80	2	-6.488E-23	6.614E-24	2.345E-23	1.373E+03	-4.501E+02	-8.509E+02	1.362E-23	-7.188E-23	1.571E+00	1.708E+03	-7.856E+02	-3.756E-01
20	2	41120.48	-254.53	40.80	1	-6.359E-23	2.620E-23	5.498E-39	8.204E+01	-1.155E+03	-3.368E+02	2.620E-23	-6.359E-23	1.571E+00	1.678E+02	-1.241E+03	-2.493E-01
20	2	41120.48	-254.53	40.80	2	-6.270E-23	2.396E-23	5.306E-39	5.119E+02	5.836E+01	-8.292E+02	2.396E-23	-6.270E-23	1.571E+00	1.145E+03	-5.745E+02	-6.519E-01
20	3	41145.48	-213.60	40.80	1	1.522E-23	-3.378E-23	-6.000E-39	1.288E+02	-4.769E+02	5.991E+01	1.522E-23	-3.378E-23	0.000E+00	1.347E+02	-4.828E+02	9.766E-02
20	3	41145.48	-213.60	40.80	2	1.403E-23	-3.326E-23	-5.791E-39	1.189E+03	-1.746E+02	-6.198E+02	1.403E-23	-3.326E-23	0.000E+00	1.429E+03	-4.142E+02	-3.688E-01
20	4	41120.48	-172.67	40.80	1	-3.366E-23	-3.735E-24	-1.832E-39	6.773E+02	-1.498E+03	3.804E+02	-3.735E-24	-3.366E-23	1.571E+00	7.419E+02	-1.562E+03	1.682E-01
20	4	41120.48	-172.67	40.80	2	-3.381E-23	-4.932E-24	-1.768E-39	2.032E+03	-6.070E+02	-5.956E+02	-4.932E-24	-3.381E-23	1.571E+00	2.160E+03	-7.352E+02	-2.120E-01
21	1	40902.73	-76.10	40.80	1	-2.703E-13	-1.802E-12	-2.730E-13	2.162E+03	1.870E+03	3.810E+03	-2.231E-13	-1.849E-12	0.000E+00	5.829E+03	-1.797E+03	7.663E-01

21	1	40902.73	-76.10	40.80	2	2.704E-13	1.802E-12	2.756E-13	-2.290E+03	-2.884E+03	-4.573E+03	1.850E-12	2.223E-13	1.571E+00	1.996E+03	-7.170E+03	-7.530E-01
21	2	40912.23	-126.83	40.80	1	-3.592E-12	-4.564E-13	1.920E-28	8.585E+03	1.194E+03	3.136E+03	-4.564E-13	-3.592E-12	1.571E+00	9.737E+03	4.314E+01	3.518E-01
21	2	40912.23	-126.83	40.80	2	3.581E-12	4.679E-13	-1.906E-28	1.233E+03	-2.478E+03	-2.616E+03	3.581E-12	4.679E-13	0.000E+00	2.585E+03	-3.829E+03	-4.769E-01
21	3	40921.73	-76.10	40.80	1	-3.168E-13	-1.798E-12	-1.813E-28	1.740E+03	1.267E+03	6.422E+03	-3.168E-13	-1.798E-12	0.000E+00	7.930E+03	-4.923E+03	7.670E-01
21	3	40921.73	-76.10	40.80	2	3.237E-13	1.792E-12	1.799E-28	-1.644E+03	-9.521E+02	-3.260E+03	1.792E-12	3.237E-13	1.571E+00	1.981E+03	-4.577E+03	2.303E+00
21	4	40912.23	-25.37	40.80	1	-2.220E-13	8.369E-14	-1.872E-29	-4.635E+03	2.360E+03	3.963E+03	8.369E-14	-2.220E-13	1.571E+00	4.148E+03	-6.423E+03	1.147E+00
21	4	40912.23	-25.37	40.80	2	2.216E-13	-8.200E-14	1.859E-29	-5.264E+03	-2.200E+03	-4.396E+03	2.216E-13	-8.200E-14	0.000E+00	9.236E+02	-8.388E+03	2.189E+00
22	1	40940.06	-76.10	40.80	1	1.178E-14	6.307E-13	-1.350E-13	9.541E+02	-3.264E+03	5.644E+03	6.589E-13	-1.640E-14	1.571E+00	4.870E+03	-7.179E+03	6.066E-01
22	1	40940.06	-76.10	40.80	2	-9.553E-15	-6.309E-13	1.341E-13	-1.107E+03	2.654E+03	-2.308E+03	1.816E-14	-6.586E-13	0.000E+00	3.751E+03	-2.204E+03	2.014E+00
22	2	40967.23	-126.83	40.80	1	-6.971E-15	1.222E-12	7.528E-29	3.319E+03	-8.467E+03	2.572E+03	1.222E-12	-6.971E-15	1.571E+00	3.856E+03	-9.004E+03	2.058E-01
22	2	40967.23	-126.83	40.80	2	3.983E-15	-1.218E-12	-7.483E-29	3.472E+03	4.119E+03	-3.310E+02	3.983E-15	-1.218E-12	0.000E+00	4.258E+03	3.333E+03	1.969E+00
22	3	40994.40	-76.10	40.80	1	6.131E-13	7.681E-14	-6.568E-29	-3.014E+02	-5.004E+03	3.644E+03	6.131E-13	7.681E-14	0.000E+00	1.684E+03	-6.989E+03	4.989E-01
22	3	40994.40	-76.10	40.80	2	-6.108E-13	-7.843E-14	6.520E-29	1.087E+02	2.481E+02	-3.274E+02	-7.843E-14	-6.108E-13	1.571E+00	5.131E+02	-1.563E+02	2.251E+00
22	4	40967.23	-25.37	40.80	1	-8.515E-14	2.020E-13	-1.758E-29	-2.386E+03	-1.760E+03	2.253E+03	2.020E-13	-8.515E-14	1.571E+00	2.013E+02	-4.348E+03	8.544E-01
22	4	40967.23	-25.37	40.80	2	8.476E-14	-2.003E-13	1.746E-29	-4.424E+03	-1.542E+03	-3.770E+03	8.476E-14	-2.003E-13	0.000E+00	1.053E+03	-7.019E+03	2.174E+00
23	1	41020.48	-76.10	40.80	1	-8.976E-27	1.067E-25	-3.240E-26	-1.109E+02	-3.793E+03	2.627E+03	1.152E-25	-1.743E-26	1.571E+00	1.256E+03	-5.160E+03	4.797E-01
23	1	41020.48	-76.10	40.80	2	9.093E-27	-1.066E-25	3.238E-26	-1.936E+02	-1.794E+03	-3.390E+02	1.754E-26	-1.151E-25	0.000E+00	-1.247E+02	-1.862E+03	-2.004E-01
23	2	41045.48	-126.83	40.80	1	-5.297E-27	2.046E-25	1.285E-41	8.512E+02	-5.527E+03	1.217E+03	2.046E-25	-5.297E-27	1.571E+00	1.075E+03	-5.751E+03	1.823E-01
23	2	41045.48	-126.83	40.80	2	5.185E-27	-2.044E-25	-1.283E-41	1.891E+03	-1.500E+03	-3.926E+02	5.185E-27	-2.044E-25	0.000E+00	1.936E+03	-1.544E+03	-1.138E-01
23	3	41070.48	-76.10	40.80	1	1.049E-25	6.864E-27	-1.201E-41	-2.227E+02	-2.480E+03	1.649E+03	1.049E-25	6.864E-27	0.000E+00	6.467E+02	-3.350E+03	4.852E-01
23	3	41070.48	-76.10	40.80	2	-1.047E-25	-6.917E-27	1.198E-41	2.764E+02	-8.523E+02	-1.151E+02	-6.917E-27	-1.047E-25	1.571E+00	2.880E+02	-8.639E+02	-1.006E-01
23	4	41045.48	-25.37	40.80	1	-3.413E-26	4.439E-26	-4.808E-42	-1.065E+03	-1.988E+03	8.265E+02	4.439E-26	-3.413E-26	1.571E+00	-5.800E+02	-2.473E+03	5.309E-01
23	4	41045.48	-25.37	40.80	2	3.413E-26	-4.414E-26	4.792E-42	-1.743E+03	-1.829E+03	-1.636E+03	3.413E-26	-4.414E-26	0.000E+00	-1.493E+02	-3.423E+03	-7.722E-01
24	1	41120.48	-126.83	40.80	1	-4.205E-31	1.548E-32	1.037E-31	-1.576E+03	2.940E+02	-4.616E+02	3.890E-32	-4.439E-31	1.571E+00	4.018E+02	-1.684E+03	1.800E+00
24	1	41120.48	-126.83	40.80	2	3.857E-31	3.913E-32	-1.689E-32	-8.175E+02	1.301E+03	6.690E+02	3.866E-31	3.831E-32	0.000E+00	1.494E+03	-1.011E+03	1.289E+00
24	2	41145.48	-76.10	40.80	1	-1.687E-31	2.002E-31	2.259E-47	-3.070E+02	-1.241E+01	-9.619E+02	2.002E-31	-1.687E-31	1.571E+00	8.134E+02	-1.133E+03	2.280E+00
24	2	41145.48	-76.10	40.80	2	1.560E-31	2.104E-31	3.336E-48	-4.539E+01	5.304E+02	3.783E+02	2.104E-31	1.560E-31	1.571E+00	7.179E+02	-2.329E+02	1.111E+00
24	3	41120.48	-25.37	40.80	1	5.493E-31	-5.610E-32	-7.414E-47	-5.069E+02	-3.283E+02	-5.805E+02	5.493E-31	-5.610E-32	0.000E+00	1.697E+02	-1.005E+03	2.280E+00
24	3	41120.48	-25.37	40.80	2	2.579E-31	5.725E-32	-2.457E-47	-4.038E+02	-4.804E+02	8.928E+02	2.579E-31	5.725E-32	0.000E+00	4.515E+02	-1.336E+03	7.640E-01
24	4	41095.48	-76.10	40.80	1	-1.299E-31	1.865E-31	-1.937E-47	-1.579E+03	-4.083E+01	-1.256E+03	1.865E-31	-1.299E-31	1.571E+00	6.627E+02	-2.282E+03	2.081E+00
24	4	41095.48	-76.10	40.80	2	1.777E-31	1.959E-31	-1.119E-48	-1.085E+03	2.811E+02	3.182E+02	1.959E-31	1.777E-31	1.571E+00	3.516E+02	-1.156E+03	1.353E+00
25	1	40902.73	76.10	40.80	1	2.702E-13	1.802E-12	-2.723E-13	-2.265E+03	-2.884E+03	4.580E+03	1.849E-12	2.233E-13	1.571E+00	2.016E+03	-7.164E+03	7.517E-01
25	1	40902.73	76.10	40.80	2	-2.701E-13	-1.801E-12	2.697E-13	2.137E+03	1.870E+03	-3.817E+03	-2.240E-13	-1.847E-12	0.000E+00	5.823E+03	-1.816E+03	-7.679E-01
25	2	40912.23	25.37	40.80	1	-8.358E-14	2.216E-13	1.868E-29	-5.246E+03	-2.195E+03	3.965E+03	2.216E-13	-8.358E-14	1.571E+00	5.281E+02	-7.969E+03	9.691E-01
25	2	40912.23	25.37	40.80	2	8.323E-14	-2.199E-13	-1.856E-29	-4.653E+03	2.355E+03	-4.398E+03	8.323E-14	-2.199E-13	0.000E+00	4.474E+03	-6.773E+03	2.020E+00
25	3	40921.73	76.10	40.80	1	1.798E-12	3.159E-13	-1.815E-28	-1.619E+03	-9.518E+02	3.265E+03	1.798E-12	3.159E-13	0.000E+00	1.996E+03	-4.568E+03	8.363E-01
25	3	40921.73	76.10	40.80	2	-1.791E-12	-3.210E-13	1.800E-28	1.715E+03	1.266E+03	-6.427E+03	-3.210E-13	-1.791E-12	1.571E+00	7.922E+03	-4.940E+03	-7.679E-01
25	4	40912.23	126.83	40.80	1	4.570E-13	3.591E-12	-1.919E-28	1.265E+03	-2.482E+03	2.620E+03	3.591E-12	4.570E-13	1.571E+00	2.613E+03	-3.829E+03	4.750E-01
25	4	40912.23	126.83	40.80	2	-4.671E-13	-3.579E-12	1.906E-28	8.553E+03	1.199E+03	-3.140E+03	-4.671E-13	-3.579E-12	0.000E+00	9.712E+03	4.054E+01	-3.534E-01
26	1	40940.06	76.10	40.80	1	-1.233E-14	-6.306E-13	-1.353E-13	-1.081E+03	2.665E+03	2.310E+03	1.597E-14	-6.589E-13	0.000E+00	3.766E+03	-2.182E+03	1.126E+00
26	1	40940.06	76.10	40.80	2	1.455E-14	6.304E-13	1.362E-13	9.282E+02	-3.274E+03	-5.646E+03	6.591E-13	-1.422E-14	1.571E+00	4.851E+03	-7.197E+03	-6.073E-01
26	2	40967.23	25.37	40.80	1	-2.026E-13	8.533E-14	1.763E-29	-4.408E+03	-1.540E+03	2.252E+03	8.533E-14	-2.026E-13	1.571E+00	-3.036E+02	-5.644E+03	1.069E+00
26	2	40967.23	25.37	40.80	2	2.022E-13	-8.361E-14	-1.750E-29	-2.402E+03	-1.763E+03	-3.769E+03	2.022E-13	-8.361E-14	0.000E+00	1.700E+03	-5.865E+03	2.314E+00



26	3	40994.40	76.10	40.80	1	-7.625E-14	-6.139E-13	-6.584E-29	1.226E+02	2.408E+02	3.297E+02	-7.625E-14	-6.139E-13	0.000E+00	5.167E+02	-1.532E+02	8.741E-01
26	3	40994.40	76.10	40.80	2	7.856E-14	6.122E-13	6.536E-29	-3.153E+02	-4.996E+03	-3.646E+03	6.122E-13	7.856E-14	1.571E+00	1.677E+03	-6.988E+03	-5.000E-01
26	4	40967.23	126.83	40.80	1	-1.222E-12	6.474E-15	-7.524E-29	3.496E+03	4.121E+03	3.415E+02	6.474E-15	-1.222E-12	1.571E+00	4.272E+03	3.346E+03	1.156E+00
26	4	40967.23	126.83	40.80	2	1.219E-12	-2.155E-15	7.479E-29	3.295E+03	-8.469E+03	-2.583E+03	1.219E-12	-2.155E-15	0.000E+00	3.837E+03	-9.011E+03	-2.069E-01
27	1	41020.48	76.10	40.80	1	8.947E-27	-1.067E-25	-3.241E-26	-1.787E+02	-1.792E+03	3.427E+02	1.741E-26	-1.152E-25	0.000E+00	-1.089E+02	-1.861E+03	2.009E-01
27	1	41020.48	76.10	40.80	2	-8.830E-27	1.068E-25	3.243E-26	-1.258E+02	-3.795E+03	-2.631E+03	1.153E-25	-1.730E-26	1.571E+00	1.247E+03	-5.168E+03	-4.809E-01
27	2	41045.48	25.37	40.80	1	-4.440E-26	3.408E-26	4.805E-42	-1.730E+03	-1.832E+03	8.271E+02	3.408E-26	-4.440E-26	1.571E+00	-9.522E+02	-2.610E+03	7.546E-01
27	2	41045.48	25.37	40.80	2	4.439E-26	-3.382E-26	-4.789E-42	-1.078E+03	-1.985E+03	-1.637E+03	4.439E-26	-3.382E-26	0.000E+00	1.668E+02	-3.230E+03	-6.503E-01
27	3	41070.48	76.10	40.80	1	-6.807E-27	-1.050E-25	-1.203E-41	2.867E+02	-8.564E+02	1.178E+02	-6.807E-27	-1.050E-25	0.000E+00	2.987E+02	-8.684E+02	1.016E-01
27	3	41070.48	76.10	40.80	2	6.997E-27	1.050E-25	1.200E-41	-2.330E+02	-2.476E+03	-1.651E+03	1.050E-25	6.997E-27	1.571E+00	6.417E+02	-3.351E+03	-4.871E-01
27	4	41045.48	126.83	40.80	1	-2.046E-25	5.265E-27	-1.285E-41	1.904E+03	-1.499E+03	3.981E+02	5.265E-27	-2.046E-25	1.571E+00	1.950E+03	-1.545E+03	1.149E-01
27	4	41045.48	126.83	40.80	2	2.044E-25	-5.069E-27	1.283E-41	8.391E+02	-5.528E+03	-1.222E+03	2.044E-25	-5.069E-27	0.000E+00	1.066E+03	-5.754E+03	-1.833E-01
28	1	41120.48	25.37	40.80	1	5.495E-31	4.648E-32	-9.238E-32	-4.054E+02	-4.700E+02	-5.810E+02	5.659E-31	3.005E-32	0.000E+00	1.442E+02	-1.020E+03	-7.576E-01
28	1	41120.48	25.37	40.80	2	2.650E-31	2.080E-32	-4.201E-32	-5.054E+02	-3.387E+02	8.934E+02	2.721E-31	1.378E-32	0.000E+00	4.752E+02	-1.319E+03	8.319E-01
28	2	41145.48	76.10	40.80	1	5.033E-32	3.051E-31	1.560E-47	-4.678E+01	5.392E+02	-3.803E+02	3.051E-31	5.033E-32	1.571E+00	7.263E+02	-2.338E+02	2.028E+00
28	2	41145.48	76.10	40.80	2	2.258E-32	1.459E-31	7.552E-48	-3.056E+02	-2.125E+01	9.638E+02	1.459E-31	2.258E-32	1.571E+00	8.108E+02	-1.138E+03	8.586E-01
28	3	41120.48	126.83	40.80	1	1.149E-31	-2.330E-32	-1.692E-47	-8.169E+02	1.310E+03	-6.719E+02	1.149E-31	-2.330E-32	0.000E+00	1.504E+03	-1.011E+03	1.853E+00
28	3	41120.48	126.83	40.80	2	5.379E-32	-1.222E-32	-8.083E-48	-1.576E+03	2.848E+02	4.645E+02	5.379E-32	-1.222E-32	0.000E+00	3.943E+02	-1.686E+03	1.339E+00
28	4	41095.48	76.10	40.80	1	2.556E-32	3.065E-31	-1.720E-47	-1.085E+03	2.919E+02	-3.208E+02	3.065E-31	2.556E-32	1.571E+00	3.629E+02	-1.156E+03	1.789E+00
28	4	41095.48	76.10	40.80	2	1.280E-32	1.461E-31	-8.164E-48	-1.579E+03	-5.162E+01	1.258E+03	1.461E-31	1.280E-32	1.571E+00	6.566E+02	-2.287E+03	1.058E+00
29	1	40902.73	213.60	40.80	1	2.623E-13	1.748E-12	1.150E-13	1.865E+03	-2.131E+02	-1.604E+03	1.757E-12	2.534E-13	1.571E+00	2.736E+03	-1.085E+03	-4.980E-01
29	1	40902.73	213.60	40.80	2	-2.624E-13	-1.749E-12	-1.177E-13	5.241E+03	2.208E+03	4.378E+02	-2.531E-13	-1.759E-12	0.000E+00	5.303E+03	2.146E+03	1.405E-01
29	2	40912.23	172.67	40.80	1	3.611E-13	3.536E-12	1.944E-28	4.280E+03	4.787E+02	7.182E+02	3.536E-12	3.611E-13	1.571E+00	4.411E+03	3.475E+02	1.806E-01
29	2	40912.23	172.67	40.80	2	-3.727E-13	-3.526E-12	-1.931E-28	1.134E+04	5.093E+03	-7.342E+02	-3.727E-13	-3.526E-12	0.000E+00	1.143E+04	5.008E+03	-1.154E-01
29	3	40921.73	213.60	40.80	1	1.795E-12	1.631E-13	-1.999E-28	2.531E+03	1.951E+03	-1.078E+03	1.795E-12	1.631E-13	0.000E+00	3.358E+03	1.124E+03	-6.539E-01
29	3	40921.73	213.60	40.80	2	-1.790E-12	-1.706E-13	1.983E-28	4.318E+03	3.536E+01	3.534E+03	-1.706E-13	-1.790E-12	1.571E+00	6.309E+03	-1.955E+03	5.130E-01
29	4	40912.23	254.53	40.80	1	-1.391E-13	2.114E-13	-2.146E-29	1.360E+02	1.466E+03	1.088E+03	2.114E-13	-1.391E-13	1.571E+00	2.076E+03	-4.740E+02	1.060E+00
29	4	40912.23	254.53	40.80	2	1.370E-13	-2.109E-13	2.130E-29	-1.752E+03	-2.529E+03	-2.970E+02	1.370E-13	-2.109E-13	0.000E+00	-1.652E+03	-2.630E+03	-3.263E-01
30	1	40940.06	213.60	40.80	1	-1.938E-13	-6.121E-13	2.676E-13	2.996E+03	5.383E+03	4.291E+02	-6.328E-14	-7.425E-13	0.000E+00	5.458E+03	2.921E+03	1.398E+00
30	1	40940.06	213.60	40.80	2	1.910E-13	6.123E-13	-2.667E-13	3.536E+03	-4.007E+03	2.860E+03	7.415E-13	6.181E-14	1.571E+00	4.498E+03	-4.969E+03	3.244E-01
30	2	40967.23	172.67	40.80	1	-1.271E-12	-9.401E-15	7.726E-29	5.591E+03	4.806E+03	2.130E+02	-9.401E-15	-1.271E-12	1.571E+00	5.645E+03	4.752E+03	2.485E-01
30	2	40967.23	172.67	40.80	2	1.267E-12	1.218E-14	-7.682E-29	4.345E+03	-8.015E+03	-1.408E+03	1.267E-12	1.218E-14	0.000E+00	4.504E+03	-8.174E+03	-1.120E-01
30	3	40994.40	213.60	40.80	1	-5.819E-14	-6.858E-13	-7.686E-29	2.167E+03	-1.267E+02	1.918E+03	-5.819E-14	-6.858E-13	0.000E+00	3.255E+03	-1.215E+03	5.159E-01
30	3	40994.40	213.60	40.80	2	5.978E-14	6.834E-13	7.637E-29	1.193E+03	-6.215E+03	1.252E+03	6.834E-13	5.978E-14	1.571E+00	1.399E+03	-6.421E+03	1.630E-01
30	4	40967.23	254.53	40.80	1	-3.429E-13	7.367E-14	-2.550E-29	-5.401E+02	8.128E+02	1.406E+03	7.367E-14	-3.429E-13	1.571E+00	1.697E+03	-1.424E+03	1.010E+00
30	4	40967.23	254.53	40.80	2	3.407E-13	-7.317E-14	2.534E-29	9.116E+02	-3.903E+03	1.675E+03	3.407E-13	-7.317E-14	0.000E+00	1.437E+03	-4.429E+03	3.039E-01
31	1	41020.48	213.60	40.80	1	-6.059E-27	-1.302E-25	3.439E-26	2.038E+03	-1.284E+02	1.449E+03	2.834E-27	-1.391E-25	0.000E+00	2.764E+03	-8.546E+02	4.645E-01
31	1	41020.48	213.60	40.80	2	5.993E-27	1.302E-25	-3.434E-26	1.345E+03	-4.952E+03	6.008E+02	1.390E-25	-2.871E-27	1.571E+00	1.402E+03	-5.009E+03	9.427E-02
31	2	41045.48	172.67	40.80	1	-2.067E-25	3.438E-29	1.266E-41	2.620E+03	-1.102E+03	4.341E+02	3.438E-29	-2.067E-25	1.571E+00	2.670E+03	-1.151E+03	1.146E-01
31	2	41045.48	172.67	40.80	2	2.065E-25	1.045E-28	-1.264E-41	1.379E+03	-5.337E+03	-9.719E+02	2.065E-25	1.045E-28	0.000E+00	1.517E+03	-5.475E+03	-1.409E-01
31	3	41070.48	213.60	40.80	1	-1.404E-26	-1.302E-25	-1.422E-41	1.292E+03	-1.041E+03	1.175E+03	-1.404E-26	-1.302E-25	0.000E+00	1.781E+03	-1.530E+03	3.945E-01
31	3	41070.48	213.60	40.80	2	1.415E-26	1.300E-25	1.419E-41	3.234E+02	-3.396E+03	2.275E+02	1.300E-25	1.415E-26	0.000E+00	3.373E+02	-3.410E+03	6.088E-02
31	4	41045.48	254.53	40.80	1	-7.287E-26	-9.886E-28	-4.401E-42	7.671E+02	-3.109E+02	1.602E+03	-9.886E-28	-7.287E-26	1.571E+00	1.918E+03	-1.462E+03	6.231E-01

31	4	41045.48	254.53	40.80	2	7.270E-26	1.033E-27	4.388E-42	5.894E+02	-4.282E+03	8.721E+02	7.270E-26	1.033E-27	0.000E+00	7.408E+02	-4.433E+03	1.719E-01
32	1	41120.48	172.67	40.80	1	4.496E-34	9.304E-35	-7.403E-35	-6.076E+02	2.035E+03	-5.985E+02	4.644E-34	7.828E-35	0.000E+00	2.164E+03	-7.369E+02	1.783E+00
32	1	41120.48	172.67	40.80	2	-5.930E-34	-2.002E-35	2.684E-34	-1.497E+03	6.744E+02	3.833E+02	8.609E-35	-6.991E-34	1.571E+00	7.401E+02	-1.563E+03	1.401E+00
32	2	41145.48	213.60	40.80	1	-1.687E-34	6.603E-34	5.076E-50	-1.738E+02	1.191E+03	-6.222E+02	6.603E-34	-1.687E-34	1.571E+00	1.432E+03	-4.149E+02	1.940E+00
32	2	41145.48	213.60	40.80	2	-1.958E-34	-4.815E-36	1.169E-50	-4.776E+02	1.268E+02	6.231E+01	-4.815E-36	-1.958E-34	1.571E+00	1.331E+02	-4.840E+02	1.469E+00
32	3	41120.48	254.53	40.80	1	5.723E-34	-1.922E-34	-9.363E-50	6.072E+01	5.120E+02	-8.311E+02	5.723E-34	-1.922E-34	0.000E+00	1.148E+03	-5.749E+02	2.224E+00
32	3	41120.48	254.53	40.80	2	2.326E-34	6.635E-35	-2.036E-50	-1.157E+03	8.194E+01	-3.349E+02	2.326E-34	6.635E-35	0.000E+00	1.666E+02	-1.242E+03	1.819E+00
32	4	41095.48	213.60	40.80	1	-1.914E-34	6.226E-34	-4.984E-50	-4.496E+02	1.374E+03	-8.543E+02	6.226E-34	-1.914E-34	1.571E+00	1.711E+03	-7.874E+02	1.947E+00
32	4	41095.48	213.60	40.80	2	-1.627E-34	4.925E-35	-1.298E-50	-1.997E+03	5.872E+02	-5.645E+01	4.925E-35	-1.627E-34	1.571E+00	5.884E+02	-1.999E+03	1.593E+00
101	1	2457.75	-167.95	29.55	1	-4.510E-10	-3.007E-09	-7.801E-17	1.807E+03	3.463E+02	1.247E+03	-4.510E-10	-3.007E-09	-3.052E-08	2.522E+03	-3.688E+02	5.205E-01
101	1	2457.75	-167.95	29.55	2	4.510E-10	3.006E-09	-7.801E-17	1.807E+03	3.463E+02	1.247E+03	3.006E-09	4.510E-10	1.571E+00	2.522E+03	-3.688E+02	5.205E-01
101	2	2467.25	-178.45	29.55	1	-2.687E-14	2.675E-14	1.156E-09	5.099E+02	2.045E+03	1.153E+03	1.156E-09	-1.156E-09	7.854E-01	2.663E+03	-1.079E+02	1.079E+00
101	2	2467.25	-178.45	29.55	2	-2.689E-14	2.674E-14	-1.156E-09	5.099E+02	2.045E+03	1.153E+03	1.156E-09	-1.156E-09	-7.854E-01	2.663E+03	-1.079E+02	1.079E+00
101	3	2476.75	-167.95	29.55	1	4.511E-10	3.007E-09	4.694E-25	1.716E+03	4.083E+03	8.664E+02	3.007E-09	4.511E-10	1.571E+00	4.366E+03	1.433E+03	1.255E+00
101	3	2476.75	-167.95	29.55	2	-4.509E-10	-3.007E-09	-4.694E-25	1.716E+03	4.083E+03	8.664E+02	-4.509E-10	-3.007E-09	-1.837E-16	4.366E+03	1.433E+03	1.255E+00
101	4	2467.25	-157.45	29.55	1	-2.702E-14	2.693E-14	-1.156E-09	2.553E+03	2.989E+03	1.535E+03	1.156E-09	-1.156E-09	-7.854E-01	4.321E+03	1.221E+03	8.559E-01
101	4	2467.25	-157.45	29.55	2	-2.704E-14	2.691E-14	1.156E-09	2.553E+03	2.988E+03	1.535E+03	1.156E-09	-1.156E-09	7.854E-01	4.321E+03	1.221E+03	8.559E-01
102	1	2495.08	-167.95	29.55	1	-1.577E-10	-1.051E-09	-8.350E-17	-1.808E+02	6.767E+02	4.224E+02	-1.577E-10	-1.051E-09	-9.344E-08	8.499E+02	-3.539E+02	1.182E+00
102	1	2495.08	-167.95	29.55	2	1.577E-10	1.051E-09	-6.963E-17	-1.808E+02	6.766E+02	4.223E+02	1.051E-09	1.577E-10	1.571E+00	8.497E+02	-3.539E+02	1.182E+00
102	2	2522.25	-178.45	29.55	1	-2.693E-14	2.651E-14	1.156E-09	-2.895E+02	-3.956E+03	2.746E+02	1.156E-09	-1.156E-09	7.854E-01	-2.691E+02	-3.977E+03	7.434E-02
102	2	2522.25	-178.45	29.55	2	-2.695E-14	2.649E-14	-1.156E-09	-2.896E+02	-3.956E+03	2.745E+02	1.156E-09	-1.156E-09	-7.854E-01	-2.691E+02	-3.977E+03	7.431E-02
102	3	2549.42	-167.95	29.55	1	1.577E-10	1.051E-09	1.041E-17	-1.248E+03	-8.512E+03	-1.568E+02	1.051E-09	1.577E-10	1.571E+00	-1.245E+03	-8.516E+03	-2.157E-02
102	3	2549.42	-167.95	29.55	2	-1.577E-10	-1.051E-09	-1.041E-17	-1.248E+03	-8.513E+03	-1.569E+02	-1.577E-10	-1.051E-09	-1.165E-08	-1.245E+03	-8.516E+03	-2.159E-02
102	4	2522.25	-157.45	29.55	1	-2.722E-14	2.687E-14	-1.156E-09	-7.686E+02	-3.879E+03	1.173E+03	1.156E-09	-1.156E-09	-7.854E-01	-3.761E+02	-4.272E+03	3.230E-01
102	4	2522.25	-157.45	29.55	2	-2.722E-14	2.687E-14	1.156E-09	-7.686E+02	-3.879E+03	1.173E+03	1.156E-09	-1.156E-09	7.854E-01	-3.762E+02	-4.272E+03	3.230E-01
103	1	2576.58	-167.95	29.55	1	-1.577E-10	-1.051E-09	9.199E-17	-1.248E+03	-8.512E+03	-1.568E+02	-1.577E-10	-1.051E-09	1.029E-07	-1.245E+03	-8.516E+03	-2.157E-02
103	1	2576.58	-167.95	29.55	2	1.577E-10	1.051E-09	1.336E-16	-1.248E+03	-8.513E+03	-1.569E+02	1.051E-09	1.577E-10	1.571E+00	-1.245E+03	-8.516E+03	-2.159E-02
103	2	2603.75	-178.45	29.55	1	-2.735E-14	2.671E-14	1.156E-09	-2.896E+02	-3.956E+03	-2.745E+02	1.156E-09	-1.156E-09	7.854E-01	-2.691E+02	-3.977E+03	-7.431E-02
103	2	2603.75	-178.45	29.55	2	-2.735E-14	2.672E-14	-1.156E-09	-2.895E+02	-3.956E+03	-2.746E+02	1.156E-09	-1.156E-09	-7.854E-01	-2.691E+02	-3.977E+03	-7.434E-02
103	3	2630.92	-167.95	29.55	1	1.577E-10	1.051E-09	-3.469E-18	-1.808E+02	6.766E+02	-4.223E+02	1.051E-09	1.577E-10	1.571E+00	8.497E+02	-3.539E+02	1.960E+00
103	3	2630.92	-167.95	29.55	2	-1.577E-10	-1.051E-09	3.469E-18	-1.808E+02	6.767E+02	-4.224E+02	-1.577E-10	-1.051E-09	3.882E-09	8.499E+02	-3.539E+02	1.960E+00
103	4	2603.75	-157.45	29.55	1	-2.709E-14	2.638E-14	-1.156E-09	-7.686E+02	-3.879E+03	-1.172E+03	1.156E-09	-1.156E-09	-7.854E-01	-3.762E+02	-4.272E+03	-3.230E-01
103	4	2603.75	-157.45	29.55	2	-2.705E-14	2.642E-14	1.156E-09	-7.686E+02	-3.879E+03	-1.173E+03	1.156E-09	-1.156E-09	7.854E-01	-3.761E+02	-4.272E+03	-3.230E-01
104	1	2649.25	-167.95	29.55	1	-4.510E-10	-3.007E-09	9.939E-17	1.716E+03	4.083E+03	-8.664E+02	-4.510E-10	-3.007E-09	3.889E-08	4.366E+03	1.433E+03	1.887E+00
104	1	2649.25	-167.95	29.55	2	4.510E-10	3.006E-09	9.592E-17	1.716E+03	4.083E+03	-8.665E+02	3.006E-09	4.510E-10	1.571E+00	4.367E+03	1.433E+03	1.887E+00
104	2	2658.75	-178.45	29.55	1	-2.705E-14	2.689E-14	1.156E-09	5.099E+02	2.045E+03	-1.153E+03	1.156E-09	-1.156E-09	7.854E-01	2.663E+03	-1.079E+02	2.063E+00
104	2	2658.75	-178.45	29.55	2	-2.706E-14	2.689E-14	-1.156E-09	5.099E+02	2.045E+03	-1.153E+03	1.156E-09	-1.156E-09	-7.854E-01	2.663E+03	-1.079E+02	2.063E+00
104	3	2668.25	-167.95	29.55	1	4.511E-10	3.007E-09	1.735E-18	1.807E+03	3.463E+02	-1.247E+03	3.007E-09	4.511E-10	1.571E+00	2.522E+03	-3.688E+02	-5.205E-01
104	3	2668.25	-167.95	29.55	2	-4.509E-10	-3.007E-09	-1.735E-18	1.807E+03	3.463E+02	-1.247E+03	-4.509E-10	-3.007E-09	-6.788E-10	2.522E+03	-3.688E+02	-5.205E-01
104	4	2658.75	-157.45	29.55	1	-2.689E-14	2.655E-14	-1.156E-09	2.553E+03	2.988E+03	-1.535E+03	1.156E-09	-1.156E-09	-7.854E-01	4.320E+03	1.221E+03	2.286E+00
104	4	2658.75	-157.45	29.55	2	-2.691E-14	2.654E-14	1.156E-09	2.553E+03	2.989E+03	-1.535E+03	1.156E-09	-1.156E-09	7.854E-01	4.321E+03	1.221E+03	2.286E+00
105	1	2467.25	-146.95	29.55	1	-5.575E-17	-2.468E-16	-1.156E-09	2.242E+03	6.155E+02	-9.195E+02	1.156E-09	-1.156E-09	-7.854E-01	2.656E+03	2.013E+02	-4.233E-01
105	1	2467.25	-146.95	29.55	2	-9.738E-17	-3.023E-16	1.156E-09	2.242E+03	6.154E+02	-9.194E+02	1.156E-09	-1.156E-09	7.854E-01	2.656E+03	2.012E+02	-4.233E-01

105	2	2476.75	-136.45	29.55	1	3.007E-09	4.511E-10	-4.163E-17	3.975E+03	-5.683E+03	-1.167E+03	3.007E-09	4.511E-10	-1.629E-08	4.114E+03	-5.822E+03	-1.186E-01
105	2	2476.75	-136.45	29.55	2	-3.007E-09	-4.509E-10	4.163E-17	3.975E+03	-5.683E+03	-1.167E+03	-4.509E-10	-3.007E-09	1.571E+00	4.114E+03	-5.822E+03	-1.186E-01
105	3	2467.25	-125.95	29.55	1	2.698E-14	-2.721E-14	1.156E-09	1.910E+03	-1.304E+04	-2.772E+02	1.156E-09	-1.156E-09	7.854E-01	1.915E+03	-1.305E+04	-1.853E-02
105	3	2467.25	-125.95	29.55	2	2.702E-14	-2.717E-14	-1.156E-09	1.910E+03	-1.304E+04	-2.771E+02	1.156E-09	-1.156E-09	-7.854E-01	1.915E+03	-1.305E+04	-1.853E-02
105	4	2457.75	-136.45	29.55	1	-3.007E-09	-4.510E-10	1.388E-17	6.590E+02	-7.110E+03	-1.731E+03	-4.510E-10	-3.007E-09	1.571E+00	1.027E+03	-7.478E+03	-2.096E-01
105	4	2457.75	-136.45	29.55	2	3.006E-09	4.510E-10	-1.388E-17	6.590E+02	-7.110E+03	-1.731E+03	3.006E-09	4.510E-10	-5.431E-09	1.027E+03	-7.478E+03	-2.096E-01
106	1	2522.25	-146.95	29.55	1	-3.128E-16	1.247E-16	-1.156E-09	-4.286E+03	-3.046E+03	-1.522E+03	1.156E-09	-1.156E-09	-7.854E-01	-2.022E+03	-5.310E+03	2.163E+00
106	1	2522.25	-146.95	29.55	2	-3.197E-16	1.802E-16	1.156E-09	-4.286E+03	-3.046E+03	-1.522E+03	1.156E-09	-1.156E-09	7.854E-01	-2.022E+03	-5.310E+03	2.163E+00
106	2	2549.42	-136.45	29.55	1	1.051E-09	1.577E-10	-1.094E-25	-7.972E+03	-7.642E+03	-6.832E+02	1.051E-09	1.577E-10	-1.225E-16	-7.104E+03	-8.510E+03	2.238E+00
106	2	2549.42	-136.45	29.55	2	-1.051E-09	-1.577E-10	1.094E-25	-7.973E+03	-7.642E+03	-6.830E+02	-1.577E-10	-1.051E-09	1.571E+00	-7.105E+03	-8.510E+03	2.237E+00
106	3	2522.25	-125.95	29.55	1	2.732E-14	-2.720E-14	1.156E-09	-4.499E+03	-9.826E+03	-2.038E+03	1.156E-09	-1.156E-09	7.854E-01	-3.809E+03	-1.052E+04	-3.266E-01
106	3	2522.25	-125.95	29.55	2	2.722E-14	-2.730E-14	-1.156E-09	-4.499E+03	-9.826E+03	-2.038E+03	1.156E-09	-1.156E-09	-7.854E-01	-3.809E+03	-1.052E+04	-3.266E-01
106	4	2495.08	-136.45	29.55	1	-1.051E-09	-1.577E-10	-6.939E-18	-8.146E+02	-7.590E+03	-2.141E+03	-1.577E-10	-1.051E-09	1.571E+00	-1.946E+02	-8.210E+03	-2.818E-01
106	4	2495.08	-136.45	29.55	2	1.051E-09	1.577E-10	6.939E-18	-8.147E+02	-7.591E+03	-2.141E+03	1.051E-09	1.577E-10	7.765E-09	-1.948E+02	-8.211E+03	-2.818E-01
107	1	2603.75	-146.95	29.55	1	-7.242E-16	1.031E-16	-1.156E-09	-4.286E+03	-3.046E+03	1.522E+03	1.156E-09	-1.156E-09	-7.854E-01	-2.022E+03	-5.310E+03	9.789E-01
107	1	2603.75	-146.95	29.55	2	-6.652E-16	8.926E-17	1.156E-09	-4.286E+03	-3.046E+03	1.522E+03	1.156E-09	-1.156E-09	7.854E-01	-2.022E+03	-5.310E+03	9.789E-01
107	2	2630.92	-136.45	29.55	1	1.051E-09	1.577E-10	2.429E-17	-8.147E+02	-7.590E+03	2.141E+03	1.051E-09	1.577E-10	2.718E-08	-1.948E+02	-8.210E+03	2.818E-01
107	2	2630.92	-136.45	29.55	2	-1.051E-09	-1.577E-10	-2.429E-17	-8.146E+02	-7.591E+03	2.141E+03	-1.577E-10	-1.051E-09	1.571E+00	-1.947E+02	-8.211E+03	2.818E-01
107	3	2603.75	-125.95	29.55	1	2.626E-14	-2.715E-14	1.156E-09	-4.499E+03	-9.826E+03	2.038E+03	1.156E-09	-1.156E-09	7.854E-01	-3.809E+03	-1.052E+04	3.266E-01
107	3	2603.75	-125.95	29.55	2	2.625E-14	-2.716E-14	-1.156E-09	-4.499E+03	-9.826E+03	2.038E+03	1.156E-09	-1.156E-09	-7.854E-01	-3.809E+03	-1.052E+04	3.266E-01
107	4	2576.58	-136.45	29.55	1	-1.051E-09	-1.577E-10	3.469E-18	-7.972E+03	-7.642E+03	-6.832E+02	-1.577E-10	-1.051E-09	1.571E+00	-7.104E+03	-8.510E+03	2.238E+00
107	4	2576.58	-136.45	29.55	2	1.051E-09	1.577E-10	-3.469E-18	-7.973E+03	-7.642E+03	-6.830E+02	1.051E-09	1.577E-10	-3.882E-09	-7.105E+03	-8.510E+03	2.237E+00
108	1	2658.75	-146.95	29.55	1	-3.762E-16	-4.654E-16	-1.156E-09	2.242E+03	6.154E+02	9.194E+02	1.156E-09	-1.156E-09	-7.854E-01	2.656E+03	2.012E+02	4.233E-01
108	1	2658.75	-146.95	29.55	2	-3.780E-16	-4.792E-16	1.156E-09	2.242E+03	6.155E+02	9.195E+02	1.156E-09	-1.156E-09	7.854E-01	2.656E+03	2.013E+02	4.233E-01
108	2	2668.25	-136.45	29.55	1	3.007E-09	4.511E-10	1.561E-17	6.590E+02	-7.110E+03	1.731E+03	3.007E-09	4.511E-10	6.109E-09	1.027E+03	-7.478E+03	2.096E-01
108	2	2668.25	-136.45	29.55	2	-3.007E-09	-4.509E-10	-1.561E-17	6.590E+02	-7.110E+03	1.731E+03	-4.509E-10	-3.007E-09	1.571E+00	1.027E+03	-7.479E+03	2.097E-01
108	3	2658.75	-125.95	29.55	1	2.569E-14	-2.612E-14	1.156E-09	1.910E+03	-1.304E+04	2.771E+02	1.156E-09	-1.156E-09	7.854E-01	1.915E+03	-1.305E+04	1.852E-02
108	3	2658.75	-125.95	29.55	2	2.566E-14	-2.615E-14	-1.156E-09	1.910E+03	-1.304E+04	2.772E+02	1.156E-09	-1.156E-09	-7.854E-01	1.915E+03	-1.305E+04	1.853E-02
108	4	2649.25	-136.45	29.55	1	-3.007E-09	-4.510E-10	5.204E-18	3.975E+03	-5.683E+03	1.167E+03	-4.510E-10	-3.007E-09	1.571E+00	4.114E+03	-5.822E+03	1.186E-01
108	4	2649.25	-136.45	29.55	2	3.006E-09	4.510E-10	-5.204E-18	3.975E+03	-5.683E+03	1.167E+03	3.006E-09	4.510E-10	-2.036E-09	4.114E+03	-5.822E+03	1.186E-01
109	1	2457.75	-60.35	29.55	1	-2.255E-10	-1.503E-09	5.988E-17	-4.091E+04	-5.331E+02	-2.885E+03	-2.255E-10	-1.503E-09	4.686E-08	-3.280E+02	-4.111E+04	1.642E+00
109	1	2457.75	-60.35	29.55	2	2.255E-10	1.503E-09	8.763E-17	-4.091E+04	-5.331E+02	-2.885E+03	1.503E-09	2.255E-10	1.571E+00	-3.280E+02	-4.111E+04	1.642E+00
109	2	2467.25	-100.58	29.55	1	-3.689E-15	2.959E-15	1.509E-10	-2.674E+04	-3.852E+03	1.370E+02	1.509E-10	-1.509E-10	7.854E-01	-3.852E+03	-2.674E+04	1.565E+00
109	2	2467.25	-100.58	29.55	2	-3.701E-15	2.947E-15	-1.509E-10	-2.674E+04	-3.853E+03	1.368E+02	1.509E-10	-1.509E-10	-7.854E-01	-3.852E+03	-2.674E+04	1.565E+00
109	3	2476.75	-60.35	29.55	1	2.255E-10	1.503E-09	-1.388E-17	-4.082E+04	-1.395E+03	8.800E+02	1.503E-09	2.255E-10	1.571E+00	-1.375E+03	-4.084E+04	1.548E+00
109	3	2476.75	-60.35	29.55	2	-2.255E-10	-1.503E-09	1.388E-17	-4.082E+04	-1.395E+03	8.799E+02	-2.255E-10	-1.503E-09	1.086E-08	-1.375E+03	-4.084E+04	1.548E+00
109	4	2467.25	-20.12	29.55	1	-3.638E-15	2.726E-15	-1.509E-10	-5.510E+04	7.931E+02	5.151E+02	1.509E-10	-1.509E-10	-7.854E-01	7.978E+02	-5.510E+04	1.562E+00
109	4	2467.25	-20.12	29.55	2	-3.620E-15	2.744E-15	1.509E-10	-5.510E+04	7.930E+02	5.150E+02	1.509E-10	-1.509E-10	7.854E-01	7.978E+02	-5.510E+04	1.562E+00
110	1	2495.08	-60.35	29.55	1	-7.886E-11	-5.257E-10	-8.954E-16	-4.182E+04	-3.926E+03	1.388E+03	-7.886E-11	-5.257E-10	-2.004E-06	-3.876E+03	-4.187E+04	1.534E+00
110	1	2495.08	-60.35	29.55	2	7.885E-11	5.257E-10	-8.399E-16	-4.182E+04	-3.926E+03	1.387E+03	5.257E-10	7.885E-11	1.571E+00	-3.875E+03	-4.187E+04	1.534E+00
110	2	2522.25	-100.58	29.55	1	-3.307E-15	3.411E-15	1.509E-10	-2.069E+04	-1.597E+04	2.144E+03	1.509E-10	-1.509E-10	7.854E-01	-1.514E+04	-2.152E+04	1.202E+00
110	2	2522.25	-100.58	29.55	2	-3.334E-15	3.384E-15	-1.509E-10	-2.069E+04	-1.597E+04	2.144E+03	1.509E-10	-1.509E-10	-7.854E-01	-1.514E+04	-2.152E+04	1.203E+00
110	3	2549.42	-60.35	29.55	1	7.886E-11	5.257E-10	-1.735E-17	-4.003E+04	-2.100E+04	-1.408E+03	5.257E-10	7.886E-11	1.571E+00	-2.090E+04	-4.013E+04	1.644E+00

110	3	2549.42	-60.35	29.55	2	-7.884E-11	-5.257E-10	1.735E-17	-4.003E+04	-2.100E+04	-1.408E+03	-7.884E-11	-5.257E-10	3.882E-08	-2.090E+04	-4.013E+04	1.644E+00
110	4	2522.25	-20.12	29.55	1	-5.560E-15	4.494E-15	-1.509E-10	-5.855E+04	-1.690E+04	1.869E+03	1.509E-10	-1.509E-10	-7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
110	4	2522.25	-20.12	29.55	2	-5.577E-15	4.477E-15	1.509E-10	-5.855E+04	-1.690E+04	1.869E+03	1.509E-10	-1.509E-10	7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
111	1	2576.58	-60.35	29.55	1	-7.885E-11	-5.257E-10	1.031E-15	-4.003E+04	-2.100E+04	-1.408E+03	-7.885E-11	-5.257E-10	2.308E-06	-2.090E+04	-4.013E+04	1.644E+00
111	1	2576.58	-60.35	29.55	2	7.885E-11	5.257E-10	1.024E-15	-4.003E+04	-2.100E+04	-1.408E+03	5.257E-10	7.885E-11	1.571E+00	-2.090E+04	-4.013E+04	1.644E+00
111	2	2603.75	-100.58	29.55	1	-3.932E-15	3.685E-15	1.509E-10	-2.069E+04	-1.597E+04	-2.144E+03	1.509E-10	-1.509E-10	7.854E-01	-1.514E+04	-2.152E+04	1.939E+00
111	2	2603.75	-100.58	29.55	2	-3.952E-15	3.666E-15	-1.509E-10	-2.069E+04	-1.597E+04	-2.144E+03	1.509E-10	-1.509E-10	-7.854E-01	-1.514E+04	-2.152E+04	1.939E+00
111	3	2630.92	-60.35	29.55	1	7.887E-11	5.257E-10	-3.469E-18	-4.182E+04	-3.926E+03	-1.387E+03	5.257E-10	7.887E-11	1.571E+00	-3.876E+03	-4.187E+04	1.607E+00
111	3	2630.92	-60.35	29.55	2	-7.884E-11	-5.257E-10	3.469E-18	-4.182E+04	-3.926E+03	-1.388E+03	-7.884E-11	-5.257E-10	7.764E-09	-3.875E+03	-4.187E+04	1.607E+00
111	4	2603.75	-20.12	29.55	1	-9.648E-16	5.060E-15	-1.509E-10	-5.855E+04	-1.690E+04	1.869E+03	1.509E-10	-1.509E-10	-7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
111	4	2603.75	-20.12	29.55	2	-1.015E-15	5.009E-15	1.509E-10	-5.855E+04	-1.690E+04	1.869E+03	1.509E-10	-1.509E-10	7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
112	1	2649.25	-60.35	29.55	1	-2.255E-10	-1.503E-09	1.817E-17	-4.082E+04	-1.395E+03	-8.797E+02	-2.255E-10	-1.503E-09	1.422E-08	-1.375E+03	-4.084E+04	1.593E+00
112	1	2649.25	-60.35	29.55	2	2.255E-10	1.503E-09	3.031E-17	-4.082E+04	-1.395E+03	-8.802E+02	1.503E-09	2.255E-10	1.571E+00	-1.375E+03	-4.084E+04	1.593E+00
112	2	2658.75	-100.58	29.55	1	-3.928E-15	3.016E-15	1.509E-10	-2.674E+04	-3.853E+03	-1.367E+02	1.509E-10	-1.509E-10	7.854E-01	-3.852E+03	-2.674E+04	1.577E+00
112	2	2658.75	-100.58	29.55	2	-3.991E-15	2.954E-15	-1.509E-10	-2.674E+04	-3.852E+03	-1.371E+02	1.509E-10	-1.509E-10	-7.854E-01	-3.852E+03	-2.674E+04	1.577E+00
112	3	2668.25	-60.35	29.55	1	2.255E-10	1.503E-09	-9.541E-18	-4.091E+04	-5.331E+02	2.885E+03	1.503E-09	2.255E-10	1.571E+00	-3.280E+02	-4.111E+04	1.500E+00
112	3	2668.25	-60.35	29.55	2	-2.255E-10	-1.503E-09	9.541E-18	-4.091E+04	-5.331E+02	2.884E+03	-2.255E-10	-1.503E-09	7.467E-09	-3.280E+02	-4.111E+04	1.500E+00
112	4	2658.75	-20.12	29.55	1	-3.866E-15	3.059E-15	-1.509E-10	-5.510E+04	7.931E+02	5.153E+02	1.509E-10	-1.509E-10	-7.854E-01	7.978E+02	-5.510E+04	1.562E+00
112	4	2658.75	-20.12	29.55	2	-3.889E-15	3.036E-15	1.509E-10	-5.510E+04	7.930E+02	5.148E+02	1.509E-10	-1.509E-10	7.854E-01	7.977E+02	-5.510E+04	1.562E+00
113	1	2457.75	60.35	29.55	1	2.255E-10	1.503E-09	-6.280E-16	-4.091E+04	-5.331E+02	2.885E+03	1.503E-09	2.255E-10	1.571E+00	-3.280E+02	-4.111E+04	1.500E+00
113	1	2457.75	60.35	29.55	2	-2.255E-10	-1.503E-09	-6.003E-16	-4.091E+04	-5.331E+02	2.885E+03	-2.255E-10	-1.503E-09	-4.698E-07	-3.280E+02	-4.111E+04	1.500E+00
113	2	2467.25	20.12	29.55	1	-6.910E-15	2.897E-15	-1.509E-10	-5.510E+04	7.930E+02	5.151E+02	1.509E-10	-1.509E-10	-7.854E-01	7.978E+02	-5.510E+04	1.562E+00
113	2	2467.25	20.12	29.55	2	-6.910E-15	2.898E-15	1.509E-10	-5.510E+04	7.931E+02	5.150E+02	1.509E-10	-1.509E-10	7.854E-01	7.978E+02	-5.510E+04	1.562E+00
113	3	2476.75	60.35	29.55	1	-2.255E-10	-1.503E-09	-2.776E-17	-4.082E+04	-1.395E+03	-8.799E+02	-2.255E-10	-1.503E-09	-2.172E-08	-1.375E+03	-4.084E+04	1.593E+00
113	3	2476.75	60.35	29.55	2	2.255E-10	1.503E-09	2.776E-17	-4.082E+04	-1.395E+03	-8.800E+02	1.503E-09	2.255E-10	1.571E+00	-1.375E+03	-4.084E+04	1.593E+00
113	4	2467.25	100.58	29.55	1	-5.354E-15	2.882E-15	1.509E-10	-2.674E+04	-3.853E+03	-1.368E+02	1.509E-10	-1.509E-10	7.854E-01	-3.852E+03	-2.674E+04	1.577E+00
113	4	2467.25	100.58	29.55	2	-5.320E-15	2.917E-15	-1.509E-10	-2.674E+04	-3.852E+03	-1.370E+02	1.509E-10	-1.509E-10	-7.854E-01	-3.852E+03	-2.674E+04	1.577E+00
114	1	2495.08	60.35	29.55	1	7.885E-11	5.257E-10	-2.187E-15	-4.182E+04	-3.926E+03	-1.387E+03	5.257E-10	7.885E-11	1.571E+00	-3.875E+03	-4.187E+04	1.607E+00
114	1	2495.08	60.35	29.55	2	-7.885E-11	-5.257E-10	-2.118E-15	-4.182E+04	-3.926E+03	-1.388E+03	-7.885E-11	-5.257E-10	-4.740E-06	-3.876E+03	-4.187E+04	1.607E+00
114	2	2522.25	20.12	29.55	1	-1.214E-14	3.769E-15	-1.509E-10	-5.855E+04	-1.690E+04	1.869E+03	1.509E-10	-1.509E-10	-7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
114	2	2522.25	20.12	29.55	2	-1.210E-14	3.809E-15	1.509E-10	-5.855E+04	-1.690E+04	1.869E+03	1.509E-10	-1.509E-10	7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
114	3	2549.42	60.35	29.55	1	-7.886E-11	-5.257E-10	-2.429E-17	-4.003E+04	-2.100E+04	1.408E+03	-7.886E-11	-5.257E-10	-5.435E-08	-2.090E+04	-4.013E+04	1.497E+00
114	3	2549.42	60.35	29.55	2	7.885E-11	5.257E-10	2.429E-17	-4.003E+04	-2.100E+04	1.408E+03	5.257E-10	7.885E-11	1.571E+00	-2.090E+04	-4.013E+04	1.497E+00
114	4	2522.25	100.58	29.55	1	-7.856E-15	6.111E-15	1.509E-10	-2.069E+04	-1.597E+04	-2.144E+03	1.509E-10	-1.509E-10	7.854E-01	-1.514E+04	-2.152E+04	1.939E+00
114	4	2522.25	100.58	29.55	2	-7.792E-15	6.174E-15	-1.509E-10	-2.069E+04	-1.597E+04	-2.144E+03	1.509E-10	-1.509E-10	-7.854E-01	-1.514E+04	-2.152E+04	1.939E+00
115	1	2576.58	60.35	29.55	1	7.885E-11	5.257E-10	-8.645E-15	-4.003E+04	-2.100E+04	1.408E+03	5.257E-10	7.885E-11	1.571E+00	-2.090E+04	-4.013E+04	1.497E+00
115	1	2576.58	60.35	29.55	2	-7.886E-11	-5.257E-10	-8.652E-15	-4.003E+04	-2.100E+04	1.408E+03	-7.886E-11	-5.257E-10	-1.936E-05	-2.090E+04	-4.013E+04	1.497E+00
115	2	2603.75	20.12	29.55	1	-4.624E-15	9.608E-15	-1.509E-10	-5.855E+04	-1.690E+04	1.869E+03	1.509E-10	-1.509E-10	-7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
115	2	2603.75	20.12	29.55	2	-4.600E-15	9.632E-15	1.509E-10	-5.855E+04	-1.690E+04	1.869E+03	1.509E-10	-1.509E-10	7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
115	3	2630.92	60.35	29.55	1	-7.884E-11	-5.257E-10	8.674E-18	-4.182E+04	-3.926E+03	1.388E+03	-7.884E-11	-5.257E-10	1.941E-08	-3.875E+03	-4.187E+04	1.534E+00
115	3	2630.92	60.35	29.55	2	7.887E-11	5.257E-10	-8.674E-18	-4.182E+04	-3.926E+03	1.387E+03	5.257E-10	7.887E-11	1.571E+00	-3.876E+03	-4.187E+04	1.534E+00
115	4	2603.75	100.58	29.55	1	-8.423E-15	1.237E-14	1.509E-10	-2.069E+04	-1.597E+04	2.144E+03	1.509E-10	-1.509E-10	7.854E-01	-1.514E+04	-2.152E+04	1.202E+00
115	4	2603.75	100.58	29.55	2	-8.349E-15	1.244E-14	-1.509E-10	-2.069E+04	-1.597E+04	2.144E+03	1.509E-10	-1.509E-10	-7.854E-01	-1.514E+04	-2.152E+04	1.203E+00

116	1	2649.25	60.35	29.55	1	2.255E-10	1.503E-09	2.972E-15	-4.082E+04	-1.395E+03	8.802E+02	1.503E-09	2.255E-10	1.571E+00	-1.375E+03	-4.084E+04	1.548E+00
116	1	2649.25	60.35	29.55	2	-2.255E-10	-1.503E-09	2.955E-15	-4.082E+04	-1.395E+03	8.797E+02	-2.255E-10	-1.503E-09	2.313E-06	-1.375E+03	-4.084E+04	1.548E+00
116	2	2658.75	20.12	29.55	1	-1.335E-15	1.133E-14	-1.509E-10	-5.510E+04	7.930E+02	5.153E+02	1.509E-10	-1.509E-10	-7.854E-01	7.977E+02	-5.510E+04	1.562E+00
116	2	2658.75	20.12	29.55	2	-1.369E-15	1.130E-14	1.509E-10	-5.510E+04	7.931E+02	5.148E+02	1.509E-10	-1.509E-10	7.854E-01	7.978E+02	-5.510E+04	1.562E+00
116	3	2668.25	60.35	29.55	1	-2.255E-10	-1.503E-09	3.469E-18	-4.091E+04	-5.331E+02	-2.884E+03	-2.255E-10	-1.503E-09	2.715E-09	-3.280E+02	-4.111E+04	1.642E+00
116	3	2668.25	60.35	29.55	2	2.255E-10	1.503E-09	-3.469E-18	-4.091E+04	-5.331E+02	-2.885E+03	1.503E-09	2.255E-10	1.571E+00	-3.280E+02	-4.111E+04	1.642E+00
116	4	2658.75	100.58	29.55	1	-1.458E-14	1.278E-14	1.509E-10	-2.674E+04	-3.852E+03	1.371E+02	1.509E-10	-1.509E-10	7.854E-01	-3.852E+03	-2.674E+04	1.565E+00
116	4	2658.75	100.58	29.55	2	-1.456E-14	1.279E-14	-1.509E-10	-2.674E+04	-3.853E+03	1.367E+02	1.509E-10	-1.509E-10	-7.854E-01	-3.852E+03	-2.674E+04	1.565E+00
117	1	2467.25	125.95	29.55	1	3.154E-16	-7.576E-15	1.156E-09	1.910E+03	-1.304E+04	2.771E+02	1.156E-09	-1.156E-09	7.854E-01	1.915E+03	-1.305E+04	1.853E-02
117	1	2467.25	125.95	29.55	2	3.987E-16	-7.410E-15	-1.156E-09	1.910E+03	-1.304E+04	2.772E+02	1.156E-09	-1.156E-09	-7.854E-01	1.915E+03	-1.305E+04	1.853E-02
117	2	2476.75	136.45	29.55	1	-3.007E-09	-4.510E-10	-1.388E-17	3.975E+03	-5.683E+03	1.167E+03	-4.510E-10	-3.007E-09	1.571E+00	4.114E+03	-5.822E+03	1.186E-01
117	2	2476.75	136.45	29.55	2	3.006E-09	4.510E-10	1.388E-17	3.975E+03	-5.683E+03	1.167E+03	3.006E-09	4.510E-10	5.431E-09	4.114E+03	-5.822E+03	1.186E-01
117	3	2467.25	146.95	29.55	1	2.625E-14	-3.348E-14	-1.156E-09	2.242E+03	6.154E+02	9.194E+02	1.156E-09	-1.156E-09	-7.854E-01	2.656E+03	2.012E+02	4.233E-01
117	3	2467.25	146.95	29.55	2	2.637E-14	-3.335E-14	1.156E-09	2.242E+03	6.155E+02	9.195E+02	1.156E-09	-1.156E-09	7.854E-01	2.656E+03	2.013E+02	4.233E-01
117	4	2457.75	136.45	29.55	1	3.007E-09	4.511E-10	-1.566E-25	6.590E+02	-7.110E+03	1.731E+03	3.007E-09	4.511E-10	-6.126E-17	1.027E+03	-7.478E+03	2.096E-01
117	4	2457.75	136.45	29.55	2	-3.007E-09	-4.509E-10	1.565E-25	6.590E+02	-7.110E+03	1.731E+03	-4.509E-10	-3.007E-09	1.571E+00	1.027E+03	-7.478E+03	2.096E-01
118	1	2522.25	125.95	29.55	1	5.581E-15	-6.948E-15	1.156E-09	-4.499E+03	-9.826E+03	2.038E+03	1.156E-09	-1.156E-09	7.854E-01	-3.809E+03	-1.052E+04	3.266E-01
118	1	2522.25	125.95	29.55	2	5.665E-15	-6.782E-15	-1.156E-09	-4.499E+03	-9.826E+03	2.038E+03	1.156E-09	-1.156E-09	-7.854E-01	-3.809E+03	-1.052E+04	3.266E-01
118	2	2549.42	136.45	29.55	1	-1.051E-09	-1.577E-10	3.469E-18	-7.973E+03	-7.642E+03	-6.832E+02	-1.577E-10	-1.051E-09	1.571E+00	-7.105E+03	-8.510E+03	2.238E+00
118	2	2549.42	136.45	29.55	2	1.051E-09	1.577E-10	-3.469E-18	-7.972E+03	-7.642E+03	-6.830E+02	1.051E-09	1.577E-10	-3.882E-09	-7.104E+03	-8.510E+03	2.237E+00
118	3	2522.25	146.95	29.55	1	3.003E-14	-3.483E-14	-1.156E-09	-4.286E+03	-3.046E+03	1.522E+03	1.156E-09	-1.156E-09	-7.854E-01	-2.022E+03	-5.310E+03	9.789E-01
118	3	2522.25	146.95	29.55	2	3.011E-14	-3.475E-14	1.156E-09	-4.286E+03	-3.046E+03	1.522E+03	1.156E-09	-1.156E-09	7.854E-01	-2.022E+03	-5.310E+03	9.788E-01
118	4	2495.08	136.45	29.55	1	1.051E-09	1.577E-10	-1.735E-17	-8.147E+02	-7.591E+03	2.141E+03	1.051E-09	1.577E-10	-1.941E-08	-1.948E+02	-8.211E+03	2.818E-01
118	4	2495.08	136.45	29.55	2	-1.051E-09	-1.577E-10	1.735E-17	-8.146E+02	-7.590E+03	2.141E+03	-1.577E-10	-1.051E-09	1.571E+00	-1.946E+02	-8.210E+03	2.818E-01
119	1	2603.75	125.95	29.55	1	4.994E-15	1.536E-14	1.156E-09	-4.499E+03	-9.826E+03	-2.038E+03	1.156E-09	-1.156E-09	7.854E-01	-3.809E+03	-1.052E+04	-3.266E-01
119	1	2603.75	125.95	29.55	2	5.122E-15	1.539E-14	-1.156E-09	-4.499E+03	-9.826E+03	-2.038E+03	1.156E-09	-1.156E-09	-7.854E-01	-3.809E+03	-1.052E+04	-3.266E-01
119	2	2630.92	136.45	29.55	1	-1.051E-09	-1.577E-10	6.418E-17	-8.146E+02	-7.591E+03	-2.141E+03	-1.577E-10	-1.051E-09	1.571E+00	-1.947E+02	-8.211E+03	-2.818E-01
119	2	2630.92	136.45	29.55	2	1.051E-09	1.577E-10	-6.418E-17	-8.147E+02	-7.590E+03	-2.141E+03	1.051E-09	1.577E-10	-7.183E-08	-1.948E+02	-8.210E+03	-2.818E-01
119	3	2603.75	146.95	29.55	1	2.808E-14	-3.634E-15	-1.156E-09	-4.286E+03	-3.046E+03	-1.522E+03	1.156E-09	-1.156E-09	-7.854E-01	-2.022E+03	-5.310E+03	2.163E+00
119	3	2603.75	146.95	29.55	2	2.809E-14	-3.615E-15	1.156E-09	-4.286E+03	-3.046E+03	-1.522E+03	1.156E-09	-1.156E-09	7.854E-01	-2.022E+03	-5.310E+03	2.163E+00
119	4	2576.58	136.45	29.55	1	1.051E-09	1.577E-10	2.602E-17	-7.973E+03	-7.642E+03	-6.832E+02	1.051E-09	1.577E-10	2.912E-08	-7.105E+03	-8.510E+03	2.238E+00
119	4	2576.58	136.45	29.55	2	-1.051E-09	-1.577E-10	-2.602E-17	-7.972E+03	-7.642E+03	-6.830E+02	-1.577E-10	-1.051E-09	1.571E+00	-7.104E+03	-8.510E+03	2.237E+00
120	1	2658.75	125.95	29.55	1	1.949E-15	8.222E-14	1.156E-09	1.910E+03	-1.304E+04	-2.772E+02	1.156E-09	-1.156E-09	7.854E-01	1.915E+03	-1.305E+04	-1.853E-02
120	1	2658.75	125.95	29.55	2	2.004E-15	8.199E-14	-1.156E-09	1.910E+03	-1.304E+04	-2.771E+02	1.156E-09	-1.156E-09	-7.854E-01	1.915E+03	-1.305E+04	-1.852E-02
120	2	2668.25	136.45	29.55	1	-3.007E-09	-4.509E-10	9.888E-17	6.590E+02	-7.110E+03	-1.731E+03	-4.509E-10	-3.007E-09	1.571E+00	1.027E+03	-7.479E+03	-2.097E-01
120	2	2668.25	136.45	29.55	2	3.006E-09	4.511E-10	-9.888E-17	6.590E+02	-7.110E+03	-1.731E+03	3.006E-09	4.511E-10	-3.869E-08	1.027E+03	-7.478E+03	-2.096E-01
120	3	2658.75	146.95	29.55	1	8.610E-14	2.786E-14	-1.156E-09	2.242E+03	6.155E+02	-9.195E+02	1.156E-09	-1.156E-09	-7.854E-01	2.656E+03	2.013E+02	-4.233E-01
120	3	2658.75	146.95	29.55	2	8.596E-14	2.772E-14	1.156E-09	2.242E+03	6.154E+02	-9.194E+02	1.156E-09	-1.156E-09	7.854E-01	2.656E+03	2.012E+02	-4.233E-01
120	4	2649.25	136.45	29.55	1	3.007E-09	4.511E-10	9.194E-17	3.975E+03	-5.683E+03	-1.167E+03	3.007E-09	4.511E-10	3.598E-08	4.114E+03	-5.822E+03	-1.186E-01
120	4	2649.25	136.45	29.55	2	-3.007E-09	-4.509E-10	-9.194E-17	3.975E+03	-5.683E+03	-1.167E+03	-4.509E-10	-3.007E-09	1.571E+00	4.114E+03	-5.822E+03	-1.186E-01
121	1	2467.25	157.45	29.55	1	7.975E-16	-4.789E-15	1.156E-09	2.988E+03	2.535E+03	1.535E+03	1.156E-09	-1.156E-09	7.854E-01	4.321E+03	1.221E+03	7.149E-01
121	1	2467.25	157.45	29.55	2	7.975E-16	-4.844E-15	-1.156E-09	2.989E+03	2.535E+03	1.535E+03	1.156E-09	-1.156E-09	-7.854E-01	4.321E+03	1.221E+03	7.149E-01
121	2	2476.75	167.95	29.55	1	-3.007E-09	-4.510E-10	1.565E-25	4.083E+03	1.716E+03	8.664E+02	-4.510E-10	-3.007E-09	1.571E+00	4.366E+03	1.433E+03	3.160E-01

121	2	2476.75	167.95	29.55	2	3.006E-09	4.510E-10	-1.565E-25	4.083E+03	1.716E+03	8.664E+02	3.006E-09	4.510E-10	-6.123E-17	4.366E+03	1.433E+03	3.160E-01
121	3	2467.25	178.45	29.55	1	2.642E-14	-3.322E-14	-1.156E-09	2.045E+03	5.099E+02	1.153E+03	1.156E-09	-1.156E-09	-7.854E-01	2.663E+03	-1.079E+02	4.918E-01
121	3	2467.25	178.45	29.55	2	2.642E-14	-3.322E-14	1.156E-09	2.045E+03	5.099E+02	1.153E+03	1.156E-09	-1.156E-09	7.854E-01	2.663E+03	-1.079E+02	4.918E-01
121	4	2457.75	167.95	29.55	1	3.007E-09	4.511E-10	-1.566E-25	3.463E+02	1.807E+03	1.247E+03	3.007E-09	4.511E-10	-6.126E-17	2.522E+03	-3.688E+02	1.050E+00
121	4	2457.75	167.95	29.55	2	-3.007E-09	-4.509E-10	1.565E-25	3.463E+02	1.807E+03	1.247E+03	-4.509E-10	-3.007E-09	1.571E+00	2.522E+03	-3.688E+02	1.050E+00
122	1	2522.25	157.45	29.55	1	-1.166E-15	-9.178E-15	1.156E-09	-3.879E+03	-7.686E+02	1.173E+03	1.156E-09	-1.156E-09	7.854E-01	-3.762E+02	-4.272E+03	1.248E+00
122	1	2522.25	157.45	29.55	2	-1.138E-15	-9.122E-15	-1.156E-09	-3.879E+03	-7.686E+02	1.173E+03	1.156E-09	-1.156E-09	-7.854E-01	-3.761E+02	-4.272E+03	1.248E+00
122	2	2549.42	167.95	29.55	1	-1.051E-09	-1.577E-10	-3.469E-18	-8.513E+03	-1.248E+03	-1.569E+02	-1.577E-10	-1.051E-09	1.571E+00	-1.245E+03	-8.516E+03	1.592E+00
122	2	2549.42	167.95	29.55	2	1.051E-09	1.577E-10	3.469E-18	-8.512E+03	-1.248E+03	-1.568E+02	1.051E-09	1.577E-10	3.882E-09	-1.245E+03	-8.516E+03	1.592E+00
122	3	2522.25	178.45	29.55	1	2.416E-14	-3.983E-14	-1.156E-09	-3.956E+03	-2.896E+02	2.745E+02	1.156E-09	-1.156E-09	-7.854E-01	-2.691E+02	-3.977E+03	1.496E+00
122	3	2522.25	178.45	29.55	2	2.420E-14	-3.979E-14	1.156E-09	-3.956E+03	-2.895E+02	2.746E+02	1.156E-09	-1.156E-09	7.854E-01	-2.691E+02	-3.977E+03	1.496E+00
122	4	2495.08	167.95	29.55	1	1.051E-09	1.577E-10	-5.475E-26	6.766E+02	-1.808E+02	4.223E+02	1.051E-09	1.577E-10	-6.126E-17	8.497E+02	-3.539E+02	3.889E-01
122	4	2495.08	167.95	29.55	2	-1.051E-09	-1.577E-10	5.474E-26	6.767E+02	-1.808E+02	4.224E+02	-1.577E-10	-1.051E-09	1.571E+00	8.499E+02	-3.539E+02	3.890E-01
123	1	2603.75	157.45	29.55	1	1.182E-14	1.091E-14	1.156E-09	-3.879E+03	-7.686E+02	-1.173E+03	1.156E-09	-1.156E-09	7.854E-01	-3.761E+02	-4.272E+03	1.894E+00
123	1	2603.75	157.45	29.55	2	1.190E-14	1.108E-14	-1.156E-09	-3.879E+03	-7.686E+02	-1.172E+03	1.156E-09	-1.156E-09	-7.854E-01	-3.762E+02	-4.272E+03	1.894E+00
123	2	2630.92	167.95	29.55	1	-1.051E-09	-1.577E-10	-9.368E-17	6.767E+02	-1.808E+02	-4.224E+02	-1.577E-10	-1.051E-09	1.571E+00	8.499E+02	-3.539E+02	-3.890E-01
123	2	2630.92	167.95	29.55	2	1.051E-09	1.577E-10	9.368E-17	6.766E+02	-1.808E+02	-4.223E+02	1.051E-09	1.577E-10	1.048E-07	8.497E+02	-3.539E+02	-3.889E-01
123	3	2603.75	178.45	29.55	1	3.475E-14	-1.563E-14	-1.156E-09	-3.956E+03	-2.895E+02	-2.746E+02	1.156E-09	-1.156E-09	-7.854E-01	-2.691E+02	-3.977E+03	1.645E+00
123	3	2603.75	178.45	29.55	2	3.493E-14	-1.545E-14	1.156E-09	-3.956E+03	-2.896E+02	-2.745E+02	1.156E-09	-1.156E-09	7.854E-01	-2.691E+02	-3.977E+03	1.645E+00
123	4	2576.58	167.95	29.55	1	1.051E-09	1.577E-10	3.469E-18	-8.513E+03	-1.248E+03	-1.569E+02	1.051E-09	1.577E-10	3.882E-09	-1.245E+03	-8.516E+03	1.592E+00
123	4	2576.58	167.95	29.55	2	-1.051E-09	-1.577E-10	-3.469E-18	-8.512E+03	-1.248E+03	-1.568E+02	-1.577E-10	-1.051E-09	1.571E+00	-1.245E+03	-8.516E+03	1.592E+00
124	1	2658.75	157.45	29.55	1	4.995E-14	1.307E-13	1.156E-09	2.989E+03	2.553E+03	-1.535E+03	1.156E-09	-1.156E-09	7.854E-01	4.321E+03	1.221E+03	-7.149E-01
124	1	2658.75	157.45	29.55	2	4.981E-14	1.300E-13	-1.156E-09	2.988E+03	2.553E+03	-1.535E+03	1.156E-09	-1.156E-09	-7.854E-01	4.320E+03	1.221E+03	-7.149E-01
124	2	2668.25	167.95	29.55	1	-3.007E-09	-4.507E-10	1.353E-16	3.463E+02	1.807E+03	-1.247E+03	-4.507E-10	-3.007E-09	1.571E+00	2.522E+03	-3.688E+02	2.091E+00
124	2	2668.25	167.95	29.55	2	3.006E-09	4.512E-10	-1.353E-16	3.463E+02	1.807E+03	-1.247E+03	3.006E-09	4.512E-10	-5.295E-08	2.522E+03	-3.688E+02	2.091E+00
124	3	2658.75	178.45	29.55	1	1.725E-13	-7.315E-14	-1.156E-09	2.045E+03	5.099E+02	-1.153E+03	1.156E-09	-1.156E-09	-7.854E-01	2.663E+03	-1.079E+02	-4.918E-01
124	3	2658.75	178.45	29.55	2	1.722E-13	-7.348E-14	1.156E-09	2.045E+03	5.099E+02	-1.153E+03	1.156E-09	-1.156E-09	7.854E-01	2.663E+03	-1.079E+02	-4.918E-01
124	4	2649.25	167.95	29.55	1	3.007E-09	4.511E-10	1.700E-16	4.083E+03	1.716E+03	-8.665E+02	3.007E-09	4.511E-10	6.653E-08	4.367E+03	1.433E+03	-3.160E-01
124	4	2649.25	167.95	29.55	2	-3.007E-09	-4.508E-10	-1.700E-16	4.083E+03	1.716E+03	-8.664E+02	-4.508E-10	-3.007E-09	1.571E+00	4.366E+03	1.433E+03	-3.160E-01
125	1	5020.75	-167.95	32.10	1	1.550E+00	-9.851E-01	5.038E-01	2.982E+03	7.744E+02	1.715E+03	1.646E+00	-1.082E+00	1.892E-01	3.917E+03	-1.611E+02	4.994E-01
125	1	5020.75	-167.95	32.10	2	-3.501E+00	1.006E+00	-1.541E+00	8.241E+02	6.866E+01	7.435E+02	1.482E+00	-3.977E+00	1.871E+00	1.280E+03	-3.875E+02	5.504E-01
125	2	5030.25	-178.45	32.10	1	-3.181E-02	2.227E+00	8.694E-01	2.580E+02	2.142E+03	1.393E+03	2.523E+00	-3.276E-01	1.243E+00	2.882E+03	-4.820E+02	1.083E+00
125	2	5030.25	-178.45	32.10	2	-2.306E-02	-3.890E+00	-1.648E+00	6.347E+02	1.540E+03	8.362E+02	5.837E-01	-4.497E+00	-3.529E-01	2.038E+03	1.364E+02	1.033E+00
125	3	5039.75	-167.95	32.10	1	-1.806E-01	-4.737E-01	1.800E+00	1.603E+03	4.795E+03	7.585E+02	1.479E+00	-2.133E+00	7.448E-01	4.966E+03	1.432E+03	1.349E+00
125	3	5039.75	-167.95	32.10	2	1.436E+00	-4.529E-01	-3.367E+00	1.302E+03	2.671E+03	8.324E+02	3.988E+00	-3.006E+00	-6.487E-01	3.064E+03	9.091E+02	1.129E+00
125	4	5030.25	-157.45	32.10	1	1.401E+00	-3.686E+00	1.434E+00	3.740E+03	4.197E+03	2.636E+03	1.777E+00	-4.063E+00	2.567E-01	6.615E+03	1.322E+03	8.286E-01
125	4	5030.25	-157.45	32.10	2	-2.042E+00	4.443E+00	-3.260E+00	1.209E+03	1.571E+03	7.495E+02	5.799E+00	-3.397E+00	1.965E+00	2.161E+03	6.191E+02	9.036E-01
126	1	5058.08	-167.95	32.10	1	1.561E+00	1.114E+01	3.765E+00	-5.563E+02	-1.851E+03	2.824E+02	1.244E+01	2.589E-01	1.238E+00	-4.974E+02	-1.910E+03	2.057E-01
126	1	5058.08	-167.95	32.10	2	-3.107E-02	-1.023E+01	-2.620E+00	-1.872E+02	2.682E+03	3.652E+02	6.027E-01	-1.087E+01	-2.373E-01	2.728E+03	-2.330E+02	1.446E+00
126	2	5085.25	-178.45	32.10	1	7.549E-02	1.040E+01	2.948E+00	-8.921E+01	-5.377E+03	4.739E+02	1.118E+01	-7.071E-01	1.311E+00	-4.708E+01	-5.419E+03	8.868E-02
126	2	5085.25	-178.45	32.10	2	-9.517E-02	-9.161E+00	-1.443E+00	-4.098E+02	-2.525E+03	-1.999E+02	1.289E-01	-9.385E+00	-1.541E-01	-3.911E+02	-2.544E+03	-9.338E-02
126	3	5112.41	-167.95	32.10	1	-2.042E+00	1.114E+01	2.130E+00	-1.269E+03	-9.079E+03	2.810E+02	1.147E+01	-2.378E+00	1.414E+00	-1.259E+03	-9.089E+03	3.592E-02
126	3	5112.41	-167.95	32.10	2	7.511E-01	-1.023E+01	-2.649E-01	-7.099E+02	-7.455E+03	-8.168E+01	7.575E-01	-1.024E+01	-2.410E-02	-7.089E+02	-7.456E+03	-1.211E-02

126	4	5085.25	-157.45	32.10	1	-5.562E-01	1.188E+01	2.947E+00	-1.242E+03	-5.553E+03	1.150E+03	1.254E+01	-1.219E+00	1.350E+00	-9.546E+02	-5.841E+03	2.451E-01
126	4	5085.25	-157.45	32.10	2	8.152E-01	-1.130E+01	-1.443E+00	-2.578E+02	-2.248E+03	6.364E+02	9.846E-01	-1.147E+01	-1.169E-01	-7.172E+01	-2.434E+03	2.845E-01
127	1	5139.58	-167.95	32.10	1	-2.043E+00	1.113E+01	-2.130E+00	-1.281E+03	-9.071E+03	2.536E+02	1.147E+01	-2.378E+00	1.727E+00	-1.273E+03	-9.080E+03	3.250E-02
127	1	5139.58	-167.95	32.10	2	7.505E-01	-1.024E+01	2.652E-01	-7.022E+02	-7.460E+03	-9.184E+01	7.569E-01	-1.024E+01	2.412E-02	-7.010E+02	-7.462E+03	-1.359E-02
127	2	5166.75	-178.45	32.10	1	8.217E-02	1.039E+01	-2.953E+00	-9.567E+01	-5.413E+03	-4.562E+02	1.117E+01	-7.042E-01	1.831E+00	-5.681E+01	-5.452E+03	-8.497E-02
127	2	5166.75	-178.45	32.10	2	-8.847E-02	-9.170E+00	1.437E+00	-4.145E+02	-2.505E+03	2.174E+02	1.335E-01	-9.392E+00	1.533E-01	-3.921E+02	-2.528E+03	1.025E-01
127	3	5193.91	-167.95	32.10	1	1.571E+00	1.114E+01	-3.776E+00	-5.756E+02	-1.931E+03	-2.603E+02	1.245E+01	2.600E-01	1.905E+00	-5.274E+02	-1.979E+03	-1.834E-01
127	3	5193.91	-167.95	32.10	2	-2.156E-02	-1.024E+01	2.609E+00	-1.930E+02	2.733E+03	-3.629E+02	6.063E-01	-1.086E+01	2.361E-01	2.777E+03	-2.373E+02	1.692E+00
127	4	5166.75	-157.45	32.10	1	-5.540E-01	1.188E+01	-2.953E+00	-1.261E+03	-5.589E+03	-1.125E+03	1.255E+01	-1.219E+00	1.792E+00	-9.865E+02	-5.863E+03	-2.397E-01
127	4	5166.75	-157.45	32.10	2	8.174E-01	-1.130E+01	1.437E+00	-2.525E+02	-2.222E+03	-6.196E+02	9.855E-01	-1.147E+01	1.164E-01	-7.374E+01	-2.401E+03	-2.808E-01
128	1	5212.25	-167.95	32.10	1	-1.722E-01	-4.850E-01	-1.781E+00	1.584E+03	4.787E+03	-7.573E+02	1.460E+00	-2.117E+00	-7.416E-01	4.957E+03	1.414E+03	1.792E+00
128	1	5212.25	-167.95	32.10	2	1.444E+00	-4.641E-01	3.386E+00	1.291E+03	2.635E+03	-8.140E+02	4.008E+00	-3.027E+00	6.480E-01	3.019E+03	9.079E+02	2.011E+00
128	2	5221.75	-178.45	32.10	1	-3.567E-02	2.208E+00	-8.587E-01	2.480E+02	2.123E+03	-1.390E+03	2.499E+00	-3.265E-01	1.897E+00	2.862E+03	-4.913E+02	2.060E+00
128	2	5221.75	-178.45	32.10	2	-2.694E-02	-3.910E+00	1.658E+00	6.393E+02	1.527E+03	-8.309E+02	5.849E-01	-4.522E+00	3.535E-01	2.025E+03	1.412E+02	2.111E+00
128	3	5231.25	-167.95	32.10	1	1.527E+00	-9.871E-01	-4.909E-01	3.000E+03	7.838E+02	-1.716E+03	1.620E+00	-1.080E+00	-1.861E-01	3.935E+03	-1.510E+02	-4.988E-01
128	3	5231.25	-167.95	32.10	2	-3.523E+00	1.004E+00	1.554E+00	8.062E+02	6.375E+01	-7.331E+02	1.486E+00	-4.005E+00	1.270E+00	1.257E+03	-3.868E+02	-5.510E-01
128	4	5221.75	-157.45	32.10	1	1.391E+00	-3.680E+00	-1.414E+00	3.749E+03	4.218E+03	-2.656E+03	1.758E+00	-4.048E+00	-2.543E-01	6.650E+03	1.317E+03	2.312E+00
128	4	5221.75	-157.45	32.10	2	-2.052E+00	4.449E+00	3.281E+00	1.180E+03	1.537E+03	-7.369E+02	5.817E+00	-3.420E+00	1.176E+00	2.117E+03	6.003E+02	2.237E+00
129	1	5030.25	-146.95	32.10	1	-4.461E+00	-3.765E+00	5.851E+00	3.741E+03	4.038E+03	-1.952E+03	1.749E+00	-9.975E+00	8.151E-01	5.847E+03	1.932E+03	2.318E+00
129	1	5030.25	-146.95	32.10	2	4.511E+00	-1.593E+00	-4.211E+00	9.382E+02	-6.828E+02	-1.938E+02	6.659E+00	-3.741E+00	-4.718E-01	9.611E+02	-7.057E+02	-1.173E-01
129	2	5039.75	-136.45	32.10	1	-1.270E+00	-6.003E+00	5.933E+00	5.713E+03	-3.443E+03	-2.482E+03	2.751E+00	-1.002E+01	5.957E-01	6.343E+03	-4.073E+03	-2.484E-01
129	2	5039.75	-136.45	32.10	2	1.858E+00	-1.378E+00	-4.972E+00	2.683E+03	-5.311E+03	2.864E+02	5.469E+00	-4.989E+00	-6.281E-01	2.693E+03	-5.322E+03	3.576E-02
129	3	5030.25	-125.95	32.10	1	9.878E-01	-5.085E+00	4.821E+00	2.006E+03	-1.328E+04	-8.258E+02	3.649E+00	-7.746E+00	5.044E-01	2.050E+03	-1.332E+04	-5.382E-02
129	3	5030.25	-125.95	32.10	2	-1.067E+00	-2.417E-01	-4.511E+00	2.127E+03	-1.066E+04	3.677E+02	3.876E+00	-5.185E+00	2.311E+00	2.137E+03	-1.067E+04	2.872E-02
129	4	5020.75	-136.45	32.10	1	-2.203E+00	-2.847E+00	4.739E+00	1.788E+02	-5.908E+03	-2.514E+03	2.225E+00	-7.275E+00	7.515E-01	1.083E+03	-6.812E+03	-3.452E-01
129	4	5020.75	-136.45	32.10	2	1.586E+00	-4.570E-01	-3.750E+00	8.800E+02	-6.414E+03	-8.715E+02	4.451E+00	-3.322E+00	-6.524E-01	9.827E+02	-6.516E+03	-1.173E-01
130	1	5085.25	-146.95	32.10	1	1.137E+01	-3.973E+00	2.123E+00	-5.883E+03	-3.154E+03	-1.285E+03	1.166E+01	-4.262E+00	1.350E-01	-2.644E+03	-6.393E+03	1.949E+00
130	1	5085.25	-146.95	32.10	2	-1.138E+01	3.275E-01	-3.525E+00	-2.501E+03	-1.408E+03	-1.269E+03	1.307E+00	-1.236E+01	1.842E+00	-5.729E+02	-3.336E+03	2.153E+00
130	2	5112.41	-136.45	32.10	1	7.925E+00	-3.926E-01	-1.667E+00	-8.682E+03	-7.059E+03	-4.685E+02	8.246E+00	-7.144E-01	-1.907E-01	-6.934E+03	-8.807E+03	1.833E+00
130	2	5112.41	-136.45	32.10	2	-7.990E+00	6.320E-01	1.982E-01	-7.274E+03	-7.346E+03	-8.409E+02	6.365E-01	-7.995E+00	1.548E+00	-6.468E+03	-8.152E+03	-7.642E-01
130	3	5085.25	-125.95	32.10	1	4.478E+00	-1.043E+00	2.123E+00	-4.957E+03	-7.503E+03	-2.079E+03	5.200E+00	-1.765E+00	3.277E-01	-3.793E+03	-8.667E+03	-5.107E-01
130	3	5085.25	-125.95	32.10	2	-4.606E+00	-2.551E+00	-3.525E+00	-3.898E+03	-1.069E+04	-1.941E+03	9.386E-02	-7.250E+00	2.214E+00	-3.383E+03	-1.121E+04	-2.596E-01
130	4	5058.08	-136.45	32.10	1	7.923E+00	-4.624E+00	5.913E+00	-2.159E+03	-5.641E+03	-3.273E+03	1.027E+01	-6.971E+00	3.779E-01	-1.932E+02	-7.607E+03	-5.410E-01
130	4	5058.08	-136.45	32.10	2	-7.992E+00	-2.855E+00	-7.248E+00	8.736E+02	-6.926E+03	-8.923E+02	2.267E+00	-1.311E+01	2.186E+00	9.744E+02	-7.027E+03	-1.125E-01
131	1	5166.75	-146.95	32.10	1	1.136E+01	-4.014E+00	-2.117E+00	-5.915E+03	-3.158E+03	1.263E+03	1.165E+01	-4.301E+00	-1.344E-01	-2.667E+03	-6.406E+03	1.200E+00
131	1	5166.75	-146.95	32.10	2	-1.138E+01	2.861E-01	3.531E+00	-2.469E+03	-1.359E+03	1.255E+03	1.271E+00	-1.237E+01	1.299E+00	-5.422E+02	-3.286E+03	9.935E-01
131	2	5193.91	-136.45	32.10	1	7.919E+00	-4.707E+00	-5.905E+00	-2.198E+03	-5.575E+03	3.283E+03	1.025E+01	-7.039E+00	-3.760E-01	-1.946E+02	-7.578E+03	5.480E-01
131	2	5193.91	-136.45	32.10	2	-7.995E+00	-2.939E+00	7.257E+00	9.229E+02	-6.892E+03	8.663E+02	2.217E+00	-1.315E+01	9.530E-01	1.018E+03	-6.987E+03	1.091E-01
131	3	5166.75	-125.95	32.10	1	4.476E+00	-1.086E+00	-2.117E+00	-4.963E+03	-7.446E+03	2.062E+03	5.190E+00	-1.800E+00	-3.253E-01	-3.798E+03	-8.611E+03	5.144E-01
131	3	5166.75	-125.95	32.10	2	-4.607E+00	-2.594E+00	3.531E+00	-3.886E+03	-1.070E+04	1.945E+03	7.151E-02	-7.273E+00	9.243E-01	-3.371E+03	-1.122E+04	2.592E-01
131	4	5139.58	-136.45	32.10	1	7.921E+00	-3.931E-01	1.671E+00	-8.681E+03	-7.064E+03	-4.484E+02	8.244E+00	-7.164E-01	1.911E-01	-6.948E+03	-8.797E+03	1.824E+00
131	4	5139.58	-136.45	32.10	2	-7.993E+00	6.315E-01	-1.945E-01	-7.280E+03	-7.338E+03	-8.342E+02	6.359E-01	-7.998E+00	1.593E+00	-6.474E+03	-8.143E+03	-7.680E-01
132	1	5221.75	-146.95	32.10	1	-4.463E+00	-3.830E+00	-5.874E+00	3.774E+03	4.128E+03	1.970E+03	1.736E+00	-1.003E+01	2.329E+00	5.929E+03	1.973E+03	8.302E-01

132	1	5221.75	-146.95	32.10	2	4.508E+00	-1.658E+00	4.188E+00	9.109E+02	-6.871E+02	1.816E+02	6.626E+00	-3.776E+00	4.681E-01	9.312E+02	-7.075E+02	1.117E-01
132	2	5231.25	-136.45	32.10	1	-2.209E+00	-2.895E+00	-4.756E+00	1.669E+02	-5.866E+03	2.522E+03	2.216E+00	-7.320E+00	-7.494E-01	1.082E+03	-6.781E+03	3.482E-01
132	2	5231.25	-136.45	32.10	2	1.579E+00	-5.049E-01	3.733E+00	8.825E+02	-6.382E+03	8.516E+02	4.413E+00	-3.339E+00	6.493E-01	9.810E+02	-6.481E+03	1.152E-01
132	3	5221.75	-125.95	32.10	1	9.872E-01	-5.150E+00	-4.832E+00	2.012E+03	-1.326E+04	8.301E+02	3.642E+00	-7.806E+00	-5.025E-01	2.057E+03	-1.331E+04	5.414E-02
132	3	5221.75	-125.95	32.10	2	-1.068E+00	-3.074E-01	4.500E+00	2.136E+03	-1.060E+04	-3.818E+02	3.829E+00	-5.204E+00	8.275E-01	2.148E+03	-1.061E+04	-2.995E-02
132	4	5212.25	-136.45	32.10	1	-1.267E+00	-6.085E+00	-5.950E+00	5.755E+03	-3.373E+03	2.500E+03	2.743E+00	-1.010E+01	-5.930E-01	6.395E+03	-4.013E+03	2.506E-01
132	4	5212.25	-136.45	32.10	2	1.862E+00	-1.461E+00	4.955E+00	2.660E+03	-5.280E+03	-3.217E+02	5.427E+00	-5.026E+00	6.237E-01	2.673E+03	-5.293E+03	-4.043E-02
133	1	5020.75	-60.35	32.10	1	-2.853E+00	7.414E-01	5.403E-01	-3.971E+04	-6.195E+02	-1.480E+03	8.209E-01	-2.933E+00	1.425E+00	-5.635E+02	-3.976E+04	1.609E+00
133	1	5020.75	-60.35	32.10	2	-3.987E-01	-6.378E-01	-5.482E-01	-4.034E+04	-4.028E+02	-4.337E+03	4.282E-02	-1.079E+00	-6.780E-01	6.273E+01	-4.080E+04	1.678E+00
133	2	5030.25	-100.58	32.10	1	-2.468E+00	1.380E+00	1.133E+00	-2.531E+04	-3.959E+03	1.919E+03	1.689E+00	-2.777E+00	1.305E+00	-3.788E+03	-2.548E+04	1.482E+00
133	2	5030.25	-100.58	32.10	2	-7.222E-01	-1.139E+00	-1.052E+00	-2.634E+04	-3.679E+03	-1.708E+03	1.417E-01	-2.003E+00	-6.876E-01	-3.551E+03	-2.647E+04	1.646E+00
133	3	5039.75	-60.35	32.10	1	-2.215E+00	4.543E-01	5.092E-01	-3.950E+04	-1.277E+03	2.300E+03	5.482E-01	-2.309E+00	1.389E+00	-1.140E+03	-3.964E+04	1.511E+00
133	3	5039.75	-60.35	32.10	2	-9.408E-01	-3.941E-01	-5.234E-01	-4.039E+04	-1.515E+03	-5.600E+02	-7.698E-02	-1.258E+00	2.116E+00	-1.507E+03	-4.040E+04	1.585E+00
133	4	5030.25	-20.12	32.10	1	-2.600E+00	-1.846E-01	-8.326E-02	-5.401E+04	9.607E+02	2.041E+03	-1.817E-01	-2.603E+00	1.605E+00	1.036E+03	-5.408E+04	1.534E+00
133	4	5030.25	-20.12	32.10	2	-6.173E-01	1.072E-01	-1.972E-02	-5.449E+04	6.412E+02	-1.003E+03	1.077E-01	-6.179E-01	1.598E+00	6.594E+02	-5.451E+04	1.589E+00
134	1	5058.08	-60.35	32.10	1	-1.967E+00	2.104E+00	6.380E-01	-4.071E+04	-5.220E+03	2.597E+03	2.202E+00	-2.065E+00	1.419E+00	-5.031E+03	-4.090E+04	1.498E+00
134	1	5058.08	-60.35	32.10	2	-1.188E+00	-2.041E+00	-2.964E-01	-4.117E+04	-2.602E+03	1.622E+02	-1.095E+00	-2.134E+00	-3.035E-01	-2.602E+03	-4.117E+04	1.567E+00
134	2	5085.25	-100.58	32.10	1	-2.185E+00	4.307E+00	9.411E-01	-1.966E+04	-1.838E+04	3.072E+03	4.440E+00	-2.319E+00	1.430E+00	-1.588E+04	-2.216E+04	8.880E-01
134	2	5085.25	-100.58	32.10	2	-4.089E-01	-4.285E+00	-2.710E-01	-2.001E+04	-1.356E+04	1.226E+03	-3.901E-01	-4.304E+00	-6.947E-02	-1.333E+04	-2.024E+04	1.389E+00
134	3	5112.41	-60.35	32.10	1	-1.708E+00	2.012E+00	1.107E+00	-3.856E+04	-2.200E+04	1.673E+03	2.316E+00	-2.013E+00	1.302E+00	-2.184E+04	-3.873E+04	1.471E+00
134	3	5112.41	-60.35	32.10	2	-2.725E-01	-2.369E+00	-7.303E-01	-3.979E+04	-2.026E+04	1.112E+03	-4.320E-02	-2.598E+00	-3.043E-01	-2.020E+04	-3.985E+04	1.514E+00
134	4	5085.25	-20.12	32.10	1	-1.490E+00	-1.904E-01	8.041E-01	-5.696E+04	-1.692E+04	2.489E+03	1.936E-01	-1.874E+00	1.125E+00	-1.677E+04	-5.711E+04	1.509E+00
134	4	5085.25	-20.12	32.10	2	-1.052E+00	-1.255E-01	-7.557E-01	-5.845E+04	-1.692E+04	1.224E+03	2.977E-01	-1.475E+00	2.081E+00	-1.689E+04	-5.848E+04	1.541E+00
135	1	5139.58	-60.35	32.10	1	-1.709E+00	2.006E+00	-1.109E+00	-3.856E+04	-2.202E+04	1.673E+03	2.312E+00	-2.015E+00	1.840E+00	-2.186E+04	-3.873E+04	1.471E+00
135	1	5139.58	-60.35	32.10	2	-2.734E-01	-2.374E+00	7.289E-01	-3.979E+04	-2.025E+04	1.122E+03	-4.529E-02	-2.602E+00	3.033E-01	-2.018E+04	-3.985E+04	1.514E+00
135	2	5166.75	-100.58	32.10	1	-2.206E+00	4.309E+00	-9.528E-01	-1.965E+04	-1.842E+04	-3.055E+03	4.445E+00	-2.342E+00	1.713E+00	-1.592E+04	-2.215E+04	2.257E+00
135	2	5166.75	-100.58	32.10	2	-4.294E-01	-4.283E+00	2.593E-01	-2.000E+04	-1.351E+04	-1.220E+03	-4.120E-01	-4.300E+00	6.690E-02	-1.329E+04	-2.022E+04	1.751E+00
135	3	5193.91	-60.35	32.10	1	-2.007E+00	2.113E+00	-6.393E-01	-4.069E+04	-5.239E+03	-2.613E+03	2.210E+00	-2.104E+00	1.721E+00	-5.048E+03	-4.088E+04	1.644E+00
135	3	5193.91	-60.35	32.10	2	-1.228E+00	-2.033E+00	2.951E-01	-4.116E+04	-2.570E+03	-1.536E+02	-1.131E+00	-2.130E+00	3.162E-01	-2.570E+03	-4.116E+04	1.575E+00
135	4	5166.75	-20.12	32.10	1	-1.511E+00	-1.898E-01	-7.951E-01	-5.695E+04	-1.692E+04	-2.492E+03	1.834E-01	-1.884E+00	2.010E+00	-1.676E+04	-5.710E+04	1.633E+00
135	4	5166.75	-20.12	32.10	2	-1.072E+00	-1.249E-01	7.646E-01	-5.845E+04	-1.692E+04	-1.223E+03	3.010E-01	-1.498E+00	1.063E+00	-1.688E+04	-5.849E+04	1.600E+00
136	1	5212.25	-60.35	32.10	1	-2.256E+00	4.538E-01	-5.054E-01	-3.948E+04	-1.277E+03	-2.314E+03	5.450E-01	-2.347E+00	1.749E+00	-1.138E+03	-3.962E+04	1.631E+00
136	1	5212.25	-60.35	32.10	2	-9.820E-01	-3.946E-01	5.273E-01	-4.039E+04	-1.516E+03	5.824E+02	-8.471E-02	-1.292E+00	1.039E+00	-1.508E+03	-4.040E+04	1.556E+00
136	2	5221.75	-100.58	32.10	1	-2.513E+00	1.383E+00	-1.137E+00	-2.527E+04	-3.967E+03	-1.945E+03	1.690E+00	-2.821E+00	1.835E+00	-3.791E+03	-2.545E+04	1.661E+00
136	2	5221.75	-100.58	32.10	2	-7.675E-01	-1.137E+00	1.048E+00	-2.633E+04	-3.671E+03	1.736E+03	1.117E-01	-2.016E+00	6.982E-01	-3.539E+03	-2.646E+04	1.495E+00
136	3	5231.25	-60.35	32.10	1	-2.903E+00	7.448E-01	-5.365E-01	-3.969E+04	-6.190E+02	1.468E+03	8.220E-01	-2.980E+00	1.714E+00	-5.639E+02	-3.974E+04	1.533E+00
136	3	5231.25	-60.35	32.10	2	-4.484E-01	-6.345E-01	5.520E-01	-4.033E+04	-3.961E+02	4.361E+03	1.836E-02	-1.101E+00	7.019E-01	7.473E+01	-4.080E+04	1.463E+00
136	4	5221.75	-20.12	32.10	1	-2.645E+00	-1.842E-01	9.515E-02	-5.400E+04	9.690E+02	-2.063E+03	-1.805E-01	-2.649E+00	1.532E+00	1.046E+03	-5.407E+04	1.608E+00
136	4	5221.75	-20.12	32.10	2	-6.628E-01	1.076E-01	3.167E-02	-5.449E+04	6.399E+02	1.022E+03	1.089E-01	-6.641E-01	1.530E+00	6.588E+02	-5.451E+04	1.552E+00
137	1	5020.75	60.35	32.10	1	-4.435E-01	-6.364E-01	5.484E-01	-4.031E+04	-4.022E+02	4.337E+03	1.684E-02	-1.097E+00	6.984E-01	6.377E+01	-4.078E+04	1.464E+00
137	1	5020.75	60.35	32.10	2	-2.809E+00	7.399E-01	-5.405E-01	-3.973E+04	-6.201E+02	1.479E+03	8.204E-01	-2.889E+00	1.719E+00	-5.642E+02	-3.979E+04	1.533E+00
137	2	5030.25	20.12	32.10	1	-6.616E-01	1.061E-01	2.130E-02	-5.447E+04	6.414E+02	2.041E+03	1.067E-01	-6.622E-01	1.543E+00	7.169E+02	-5.454E+04	1.534E+00
137	2	5030.25	20.12	32.10	2	-2.556E+00	-1.836E-01	8.168E-02	-5.403E+04	9.605E+02	-1.003E+03	-1.808E-01	-2.558E+00	1.536E+00	9.788E+02	-5.405E+04	1.589E+00



137	3	5039.75	60.35	32.10	1	-9.842E-01	-3.933E-01	5.237E-01	-4.037E+04	-1.515E+03	5.603E+02	-8.750E-02	-1.290E+00	1.042E+00	-1.507E+03	-4.038E+04	1.556E+00
137	3	5039.75	60.35	32.10	2	-2.171E+00	4.535E-01	-5.095E-01	-3.953E+04	-1.277E+03	-2.300E+03	5.489E-01	-2.267E+00	1.756E+00	-1.140E+03	-3.966E+04	1.631E+00
137	4	5030.25	100.58	32.10	1	-7.661E-01	-1.136E+00	1.051E+00	-2.632E+04	-3.678E+03	1.709E+03	1.159E-01	-2.018E+00	6.983E-01	-3.550E+03	-2.644E+04	1.496E+00
137	4	5030.25	100.58	32.10	2	-2.424E+00	1.377E+00	-1.132E+00	-2.533E+04	-3.960E+03	-1.920E+03	1.688E+00	-2.736E+00	1.839E+00	-3.789E+03	-2.550E+04	1.660E+00
138	1	5058.08	60.35	32.10	1	-1.231E+00	-2.040E+00	2.917E-01	-4.115E+04	-2.602E+03	-1.624E+02	-1.137E+00	-2.135E+00	3.124E-01	-2.601E+03	-4.115E+04	1.575E+00
138	1	5058.08	60.35	32.10	2	-1.924E+00	2.103E+00	-6.334E-01	-4.073E+04	-5.221E+03	-2.597E+03	2.201E+00	-2.021E+00	1.723E+00	-5.032E+03	-4.092E+04	1.643E+00
138	2	5085.25	20.12	32.10	1	-1.086E+00	-1.297E-01	7.551E-01	-5.842E+04	-1.692E+04	2.488E+03	2.859E-01	-1.502E+00	1.068E+00	-1.677E+04	-5.857E+04	1.511E+00
138	2	5085.25	20.12	32.10	2	-1.456E+00	-1.861E-01	-8.035E-01	-5.698E+04	-1.692E+04	1.225E+03	2.031E-01	-1.845E+00	2.022E+00	-1.688E+04	-5.702E+04	1.540E+00
138	3	5112.41	60.35	32.10	1	-2.994E-01	-2.374E+00	7.251E-01	-3.976E+04	-2.026E+04	-1.112E+03	-7.099E-02	-2.602E+00	3.051E-01	-2.020E+04	-3.983E+04	1.628E+00
138	3	5112.41	60.35	32.10	2	-1.681E+00	2.017E+00	-1.102E+00	-3.859E+04	-2.200E+04	-1.672E+03	2.320E+00	-1.985E+00	1.840E+00	-2.183E+04	-3.875E+04	1.670E+00
138	4	5085.25	100.58	32.10	1	-4.444E-01	-4.284E+00	2.618E-01	-1.999E+04	-1.356E+04	-1.226E+03	-4.266E-01	-4.302E+00	6.775E-02	-1.333E+04	-2.021E+04	1.753E+00
138	4	5085.25	100.58	32.10	2	-2.150E+00	4.306E+00	-9.319E-01	-1.968E+04	-1.838E+04	-3.072E+03	4.438E+00	-2.282E+00	1.711E+00	-1.589E+04	-2.217E+04	2.252E+00
139	1	5139.58	60.35	32.10	1	-3.002E-01	-2.379E+00	-7.237E-01	-3.976E+04	-2.025E+04	-1.122E+03	-7.308E-02	-2.606E+00	-3.041E-01	-2.019E+04	-3.983E+04	1.628E+00
139	1	5139.58	60.35	32.10	2	-1.682E+00	2.011E+00	1.103E+00	-3.859E+04	-2.202E+04	-1.672E+03	2.316E+00	-1.987E+00	1.301E+00	-2.185E+04	-3.876E+04	1.670E+00
139	2	5166.75	20.12	32.10	1	-1.106E+00	-1.292E-01	-7.641E-01	-5.843E+04	-1.692E+04	-2.492E+03	2.892E-01	-1.525E+00	2.072E+00	-1.677E+04	-5.858E+04	1.631E+00
139	2	5166.75	20.12	32.10	2	-1.476E+00	-1.855E-01	7.946E-01	-5.697E+04	-1.692E+04	-1.223E+03	1.928E-01	-1.854E+00	1.126E+00	-1.688E+04	-5.701E+04	1.601E+00
139	3	5193.91	60.35	32.10	1	-1.271E+00	-2.032E+00	-2.905E-01	-4.114E+04	-2.570E+03	1.538E+02	-1.173E+00	-2.130E+00	-3.259E-01	-2.569E+03	-4.114E+04	1.567E+00
139	3	5193.91	60.35	32.10	2	-1.964E+00	2.112E+00	6.347E-01	-4.072E+04	-5.240E+03	2.613E+03	2.208E+00	-2.060E+00	1.420E+00	-5.049E+03	-4.091E+04	1.498E+00
139	4	5166.75	100.58	32.10	1	-4.648E-01	-4.282E+00	-2.501E-01	-1.997E+04	-1.351E+04	1.220E+03	-4.484E-01	-4.299E+00	-6.515E-02	-1.329E+04	-2.019E+04	1.390E+00
139	4	5166.75	100.58	32.10	2	-2.170E+00	4.308E+00	9.436E-01	-1.968E+04	-1.842E+04	3.055E+03	4.443E+00	-2.305E+00	1.429E+00	-1.593E+04	-2.217E+04	8.864E-01
140	1	5212.25	60.35	32.10	1	-1.025E+00	-3.938E-01	-5.275E-01	-4.036E+04	-1.516E+03	-5.828E+02	-9.470E-02	-1.324E+00	2.087E+00	-1.508E+03	-4.037E+04	1.586E+00
140	1	5212.25	60.35	32.10	2	-2.213E+00	4.530E-01	5.056E-01	-3.950E+04	-1.277E+03	2.314E+03	5.456E-01	-2.305E+00	1.389E+00	-1.138E+03	-3.964E+04	1.511E+00
140	2	5221.75	20.12	32.10	1	-7.069E-01	1.065E-01	-3.320E-02	-5.446E+04	6.401E+02	-2.063E+03	1.079E-01	-7.083E-01	1.612E+00	7.173E+02	-5.454E+04	1.608E+00
140	2	5221.75	20.12	32.10	2	-2.601E+00	-1.832E-01	-9.362E-02	-5.402E+04	9.687E+02	1.022E+03	-1.796E-01	-2.605E+00	1.609E+00	9.877E+02	-5.404E+04	1.552E+00
140	3	5231.25	60.35	32.10	1	-4.930E-01	-6.331E-01	-5.522E-01	-4.030E+04	-3.954E+02	-4.362E+03	-6.439E-03	-1.120E+00	-7.223E-01	7.584E+01	-4.077E+04	1.678E+00
140	3	5231.25	60.35	32.10	2	-2.858E+00	7.433E-01	5.367E-01	-3.971E+04	-6.197E+02	-1.467E+03	8.216E-01	-2.937E+00	1.426E+00	-5.647E+02	-3.977E+04	1.608E+00
140	4	5221.75	100.58	32.10	1	-8.113E-01	-1.133E+00	-1.046E+00	-2.631E+04	-3.670E+03	-1.737E+03	8.649E-02	-2.031E+00	-7.090E-01	-3.537E+03	-2.644E+04	1.647E+00
140	4	5221.75	100.58	32.10	2	-2.470E+00	1.379E+00	1.136E+00	-2.530E+04	-3.968E+03	1.946E+03	1.690E+00	-2.780E+00	1.304E+00	-3.792E+03	-2.547E+04	1.481E+00
141	1	5030.25	125.95	32.10	1	-1.068E+00	-3.149E-01	4.507E+00	2.131E+03	-1.063E+04	-3.691E+02	3.831E+00	-5.214E+00	8.271E-01	2.142E+03	-1.064E+04	-2.888E-02
141	1	5030.25	125.95	32.10	2	9.889E-01	-5.012E+00	-4.816E+00	2.002E+03	-1.331E+04	8.271E+02	3.663E+00	-7.686E+00	-5.068E-01	2.046E+03	-1.335E+04	5.382E-02
141	2	5039.75	136.45	32.10	1	1.866E+00	-1.479E+00	4.959E+00	2.689E+03	-5.275E+03	-2.883E+02	5.427E+00	-5.040E+00	6.228E-01	2.700E+03	-5.286E+03	-3.614E-02
141	2	5039.75	136.45	32.10	2	-1.278E+00	-5.901E+00	-5.920E+00	5.707E+03	-3.479E+03	2.484E+03	2.765E+00	-9.945E+00	-5.993E-01	6.336E+03	-4.108E+03	2.479E-01
141	3	5030.25	146.95	32.10	1	4.511E+00	-1.666E+00	4.188E+00	9.408E+02	-6.538E+02	1.979E+02	6.626E+00	-3.782E+00	4.677E-01	9.650E+02	-6.780E+02	1.217E-01
141	3	5030.25	146.95	32.10	2	-4.462E+00	-3.691E+00	-5.829E+00	3.738E+03	4.009E+03	1.948E+03	1.765E+00	-9.918E+00	2.323E+00	5.826E+03	1.921E+03	8.201E-01
141	4	5020.75	136.45	32.10	1	1.577E+00	-5.025E-01	3.736E+00	8.765E+02	-6.388E+03	8.703E+02	4.416E+00	-3.341E+00	6.497E-01	9.793E+02	-6.490E+03	1.176E-01
141	4	5020.75	136.45	32.10	2	-2.194E+00	-2.802E+00	-4.725E+00	1.824E+02	-5.934E+03	2.515E+03	2.237E+00	-7.233E+00	-7.533E-01	1.084E+03	-6.835E+03	3.441E-01
142	1	5085.25	125.95	32.10	1	-4.608E+00	-2.600E+00	3.545E+00	-3.896E+03	-1.067E+04	1.940E+03	8.009E-02	-7.288E+00	9.234E-01	-3.380E+03	-1.119E+04	2.601E-01
142	1	5085.25	125.95	32.10	2	4.480E+00	-9.939E-01	-2.142E+00	-4.959E+03	-7.523E+03	2.080E+03	5.218E+00	-1.732E+00	-3.320E-01	-3.798E+03	-8.684E+03	5.092E-01
142	2	5112.41	136.45	32.10	1	-7.991E+00	6.352E-01	-1.783E-01	-7.274E+03	-7.333E+03	8.401E+02	6.389E-01	-7.995E+00	1.591E+00	-6.463E+03	-8.144E+03	7.678E-01
142	2	5112.41	136.45	32.10	2	7.925E+00	-3.959E-01	1.647E+00	-8.682E+03	-7.071E+03	4.694E+02	8.240E+00	-7.101E-01	1.885E-01	-6.944E+03	-8.808E+03	1.307E+00
142	3	5085.25	146.95	32.10	1	-1.138E+01	2.775E-01	3.544E+00	-2.498E+03	-1.387E+03	1.262E+03	1.271E+00	-1.237E+01	1.298E+00	-5.637E+02	-3.322E+03	9.927E-01
142	3	5085.25	146.95	32.10	2	1.137E+01	-3.923E+00	-2.142E+00	-5.885E+03	-3.175E+03	1.292E+03	1.166E+01	-4.218E+00	-1.366E-01	-2.657E+03	-6.403E+03	1.190E+00
142	4	5058.08	136.45	32.10	1	-7.993E+00	-2.958E+00	7.267E+00	8.783E+02	-6.890E+03	8.906E+02	2.215E+00	-1.317E+01	9.521E-01	9.791E+02	-6.991E+03	1.127E-01

142	4	5058.08	136.45	32.10	2	7.924E+00	-4.521E+00	-5.931E+00	-2.164E+03	-5.677E+03	3.275E+03	1.030E+01	-6.895E+00	-3.807E-01	-2.046E+02	-7.636E+03	5.393E-01
143	1	5166.75	125.95	32.10	1	-4.609E+00	-2.643E+00	-3.550E+00	-3.884E+03	-1.068E+04	-1.944E+03	5.800E-02	-7.310E+00	2.221E+00	-3.368E+03	-1.120E+04	-2.597E-01
143	1	5166.75	125.95	32.10	2	4.478E+00	-1.037E+00	2.136E+00	-4.965E+03	-7.466E+03	-2.063E+03	5.209E+00	-1.767E+00	3.295E-01	-3.803E+03	-8.628E+03	-5.129E-01
143	2	5193.91	136.45	32.10	1	-7.996E+00	-3.041E+00	-7.275E+00	9.277E+02	-6.855E+03	-8.645E+02	2.166E+00	-1.320E+01	2.192E+00	1.023E+03	-6.950E+03	-1.093E-01
143	2	5193.91	136.45	32.10	2	7.920E+00	-4.605E+00	5.923E+00	-2.203E+03	-5.611E+03	-3.285E+03	1.028E+01	-6.963E+00	3.788E-01	-2.064E+02	-7.608E+03	-5.462E-01
143	3	5166.75	146.95	32.10	1	-1.138E+01	2.363E-01	-3.550E+00	-2.466E+03	-1.338E+03	-1.256E+03	1.235E+00	-1.238E+01	1.845E+00	-5.256E+02	-3.279E+03	2.145E+00
143	3	5166.75	146.95	32.10	2	1.136E+01	-3.965E+00	2.136E+00	-5.918E+03	-3.179E+03	-1.262E+03	1.166E+01	-4.257E+00	1.359E-01	-2.686E+03	-6.411E+03	1.943E+00
143	4	5139.58	136.45	32.10	1	-7.994E+00	6.347E-01	1.746E-01	-7.280E+03	-7.326E+03	8.332E+02	6.382E-01	-7.998E+00	1.551E+00	-6.469E+03	-8.136E+03	7.716E-01
143	4	5139.58	136.45	32.10	2	7.922E+00	-3.964E-01	-1.651E+00	-8.681E+03	-7.076E+03	4.494E+02	8.238E+00	-7.121E-01	-1.890E-01	-6.959E+03	-8.798E+03	1.315E+00
144	1	5221.75	125.95	32.10	1	-1.069E+00	-3.802E-01	-4.496E+00	2.141E+03	-1.057E+04	3.832E+02	3.785E+00	-5.234E+00	2.318E+00	2.152E+03	-1.058E+04	3.012E-02
144	1	5221.75	125.95	32.10	2	9.883E-01	-5.077E+00	4.828E+00	2.007E+03	-1.329E+04	-8.315E+02	3.657E+00	-7.746E+00	5.049E-01	2.052E+03	-1.334E+04	-5.414E-02
144	2	5231.25	136.45	32.10	1	1.571E+00	-5.502E-01	-3.719E+00	8.789E+02	-6.356E+03	-8.504E+02	4.378E+00	-3.357E+00	-6.465E-01	9.775E+02	-6.454E+03	-1.155E-01
144	2	5231.25	136.45	32.10	2	-2.201E+00	-2.850E+00	4.742E+00	1.705E+02	-5.892E+03	-2.523E+03	2.228E+00	-7.278E+00	7.512E-01	1.083E+03	-6.805E+03	-3.470E-01
144	3	5221.75	146.95	32.10	1	4.509E+00	-1.731E+00	-4.166E+00	9.135E+02	-6.575E+02	-1.857E+02	6.593E+00	-3.816E+00	-4.640E-01	9.352E+02	-6.792E+02	-1.161E-01
144	3	5221.75	146.95	32.10	2	-4.464E+00	-3.757E+00	5.851E+00	3.772E+03	4.098E+03	-1.966E+03	1.752E+00	-9.972E+00	8.156E-01	5.907E+03	1.962E+03	2.315E+00
144	4	5212.25	136.45	32.10	1	1.870E+00	-1.561E+00	-4.942E+00	2.667E+03	-5.244E+03	3.238E+02	5.385E+00	-5.077E+00	-6.183E-01	2.680E+03	-5.257E+03	4.084E-02
144	4	5212.25	136.45	32.10	2	-1.275E+00	-5.984E+00	5.937E+00	5.749E+03	-3.409E+03	-2.503E+03	2.757E+00	-1.002E+01	5.966E-01	6.388E+03	-4.048E+03	-2.501E-01
145	1	5030.25	157.45	32.10	1	4.454E+00	-2.051E+00	-3.285E+00	1.568E+03	1.207E+03	7.538E+02	5.824E+00	-3.421E+00	-3.952E-01	2.162E+03	6.124E+02	6.681E-01
145	1	5030.25	157.45	32.10	2	-3.697E+00	1.410E+00	1.459E+00	4.200E+03	3.742E+03	2.632E+03	1.797E+00	-4.084E+00	1.311E+00	6.613E+03	1.329E+03	7.420E-01
145	2	5039.75	167.95	32.10	1	-4.657E-01	1.453E+00	-3.389E+00	2.661E+03	1.295E+03	8.345E+02	4.015E+00	-3.028E+00	2.218E+00	3.057E+03	8.998E+02	4.424E-01
145	2	5039.75	167.95	32.10	2	-4.610E-01	-1.977E-01	1.821E+00	4.804E+03	1.611E+03	7.565E+02	1.497E+00	-2.156E+00	8.215E-01	4.974E+03	1.440E+03	2.212E-01
145	3	5030.25	178.45	32.10	1	-3.913E+00	-2.386E-02	-1.658E+00	1.534E+03	6.329E+02	8.351E+02	5.872E-01	-4.524E+00	1.924E+00	2.032E+03	1.346E+02	5.380E-01
145	3	5030.25	178.45	32.10	2	2.250E+00	-3.101E-02	8.801E-01	2.148E+03	2.598E+02	1.395E+03	2.550E+00	-3.311E-01	3.286E-01	2.888E+03	-4.803E+02	4.879E-01
145	4	5020.75	167.95	32.10	1	1.006E+00	-3.527E+00	-1.555E+00	7.070E+01	8.266E+02	7.429E+02	1.488E+00	-4.009E+00	-3.006E-01	1.282E+03	-3.849E+02	1.021E+00
145	4	5020.75	167.95	32.10	2	-9.853E-01	1.576E+00	5.181E-01	7.724E+02	2.979E+03	1.715E+03	1.677E+00	-1.086E+00	1.379E+00	3.915E+03	-1.638E+02	1.071E+00
146	1	5085.25	157.45	32.10	1	-1.129E+01	8.188E-01	-1.422E+00	-2.249E+03	-2.573E+02	6.286E+02	9.835E-01	-1.146E+01	1.686E+00	-7.548E+01	-2.430E+03	1.289E+00
146	1	5085.25	157.45	32.10	2	1.187E+01	-5.598E-01	2.927E+00	-5.552E+03	-1.243E+03	1.158E+03	1.253E+01	-1.214E+00	2.200E-01	-9.514E+02	-5.844E+03	1.324E+00
146	2	5112.41	167.95	32.10	1	-1.022E+01	7.336E-01	-2.397E-01	-7.449E+03	-7.029E+02	-8.336E+01	7.389E-01	-1.022E+01	1.593E+00	-7.018E+02	-7.450E+03	1.583E+00
146	2	5112.41	167.95	32.10	2	1.113E+01	-2.025E+00	2.105E+00	-9.086E+03	-1.276E+03	2.827E+02	1.145E+01	-2.353E+00	1.549E-01	-1.266E+03	-9.096E+03	1.535E+00
146	3	5085.25	178.45	32.10	1	-9.145E+00	-9.533E-02	-1.422E+00	-2.525E+03	-4.087E+02	-2.037E+02	1.229E-01	-9.363E+00	1.723E+00	-3.893E+02	-2.545E+03	1.666E+00
146	3	5085.25	178.45	32.10	2	1.038E+01	7.566E-02	2.927E+00	-5.377E+03	-9.026E+01	4.777E+02	1.115E+01	-6.979E-01	2.584E-01	-4.744E+01	-5.420E+03	1.481E+00
146	4	5058.08	167.95	32.10	1	-1.022E+01	-1.020E-02	-2.605E+00	2.675E+03	-1.925E+02	3.624E+02	6.160E-01	-1.085E+01	1.807E+00	2.720E+03	-2.376E+02	1.238E-01
146	4	5058.08	167.95	32.10	2	1.113E+01	1.541E+00	3.749E+00	-1.844E+03	-5.511E+02	2.852E+02	1.242E+01	2.486E-01	3.319E-01	-4.909E+02	-1.904E+03	1.363E+00
147	1	5166.75	157.45	32.10	1	-1.129E+01	8.210E-01	1.417E+00	-2.223E+03	-2.521E+02	-6.116E+02	9.844E-01	-1.146E+01	1.456E+00	-7.768E+01	-2.397E+03	1.849E+00
147	1	5166.75	157.45	32.10	2	1.188E+01	-5.576E-01	-2.932E+00	-5.588E+03	-1.262E+03	-1.133E+03	1.253E+01	-1.214E+00	-2.204E-01	-9.832E+02	-5.867E+03	1.812E+00
147	2	5193.91	167.95	32.10	1	-1.022E+01	-7.262E-04	2.593E+00	2.725E+03	-1.984E+02	-3.599E+02	6.196E-01	-1.084E+01	1.336E+00	2.769E+03	-2.421E+02	-1.207E-01
147	2	5193.91	167.95	32.10	2	1.112E+01	1.550E+00	-3.760E+00	-1.923E+03	-5.702E+02	-2.632E+02	1.242E+01	2.497E-01	-3.329E-01	-5.208E+02	-1.973E+03	1.756E+00
147	3	5166.75	178.45	32.10	1	-9.154E+00	-8.866E-02	1.417E+00	-2.505E+03	-4.135E+02	2.215E+02	1.276E-01	-9.370E+00	1.419E+00	-3.903E+02	-2.528E+03	1.466E+00
147	3	5166.75	178.45	32.10	2	1.037E+01	8.236E-02	-2.933E+00	-5.413E+03	-9.665E+01	-4.603E+02	1.115E+01	-6.950E-01	-2.591E-01	-5.709E+01	-5.453E+03	1.657E+00
147	4	5139.58	167.95	32.10	1	-1.022E+01	7.330E-01	2.400E-01	-7.454E+03	-6.952E+02	-9.377E+01	7.383E-01	-1.023E+01	1.549E+00	-6.939E+02	-7.455E+03	1.585E+00
147	4	5139.58	167.95	32.10	2	1.112E+01	-2.025E+00	-2.105E+00	-9.078E+03	-1.288E+03	2.555E+02	1.145E+01	-2.354E+00	-1.549E-01	-1.280E+03	-9.087E+03	1.538E+00
148	1	5221.75	157.45	32.10	1	4.460E+00	-2.061E+00	3.306E+00	1.534E+03	1.178E+03	-7.412E+02	5.842E+00	-3.443E+00	3.962E-01	2.118E+03	5.935E+02	-6.675E-01
148	1	5221.75	157.45	32.10	2	-3.691E+00	1.400E+00	-1.439E+00	4.221E+03	3.751E+03	-2.652E+03	1.778E+00	-4.069E+00	1.828E+00	6.648E+03	1.324E+03	-7.412E-01

148	2	5231.25	167.95	32.10	1	1.004E+00	-3.550E+00	1.568E+00	6.582E+01	8.087E+02	-7.325E+02	1.491E+00	-4.037E+00	3.015E-01	1.259E+03	-3.840E+02	2.122E+00
148	2	5231.25	167.95	32.10	2	-9.874E-01	1.554E+00	-5.051E-01	7.817E+02	2.997E+03	-1.717E+03	1.651E+00	-1.084E+00	1.760E+00	3.933E+03	-1.537E+02	2.070E+00
148	3	5221.75	178.45	32.10	1	-3.932E+00	-2.772E-02	1.669E+00	1.521E+03	6.375E+02	-8.297E+02	5.885E-01	-4.549E+00	1.217E+00	2.019E+03	1.393E+02	-5.407E-01
148	3	5221.75	178.45	32.10	2	2.231E+00	-3.488E-02	-8.693E-01	2.129E+03	2.498E+02	-1.391E+03	2.526E+00	-3.300E-01	-3.273E-01	2.868E+03	-4.895E+02	-4.884E-01
148	4	5212.25	167.95	32.10	1	-4.767E-01	1.461E+00	3.407E+00	2.625E+03	1.284E+03	-8.162E+02	4.034E+00	-3.050E+00	9.240E-01	3.011E+03	8.983E+02	-4.415E-01
148	4	5212.25	167.95	32.10	2	-4.723E-01	-1.893E-01	-1.803E+00	4.797E+03	1.592E+03	-7.551E+02	1.478E+00	-2.139E+00	2.317E+00	4.966E+03	1.423E+03	-2.202E-01
149	1	7583.75	-167.95	34.65	1	-1.406E-06	-9.375E-06	6.495E-15	1.807E+03	3.463E+02	1.247E+03	-1.406E-06	-9.375E-06	8.151E-10	2.522E+03	-3.688E+02	5.205E-01
149	1	7583.75	-167.95	34.65	2	-1.402E-06	-9.343E-06	6.384E-15	1.807E+03	3.463E+02	1.247E+03	-1.402E-06	-9.343E-06	8.038E-10	2.522E+03	-3.688E+02	5.205E-01
149	2	7593.25	-178.45	34.65	1	2.755E-14	2.755E-14	3.605E-06	5.099E+02	2.045E+03	1.153E+03	3.605E-06	-3.605E-06	7.854E-01	2.663E+03	-1.079E+02	1.079E+00
149	2	7593.25	-178.45	34.65	2	2.785E-14	2.785E-14	3.593E-06	5.099E+02	2.045E+03	1.153E+03	3.593E-06	-3.593E-06	7.854E-01	2.663E+03	-1.079E+02	1.079E+00
149	3	7602.75	-167.95	34.65	1	1.406E-06	9.375E-06	1.110E-13	1.716E+03	4.083E+03	8.664E+02	9.375E-06	1.406E-06	1.571E+00	4.366E+03	1.433E+03	1.255E+00
149	3	7602.75	-167.95	34.65	2	1.402E-06	9.343E-06	1.110E-13	1.716E+03	4.083E+03	8.664E+02	9.343E-06	1.402E-06	1.571E+00	4.366E+03	1.433E+03	1.255E+00
149	4	7593.25	-157.45	34.65	1	1.141E-14	1.141E-14	-3.605E-06	2.553E+03	2.988E+03	1.535E+03	3.605E-06	-3.605E-06	-7.854E-01	4.321E+03	1.221E+03	8.559E-01
149	4	7593.25	-157.45	34.65	2	1.107E-14	1.107E-14	-3.593E-06	2.553E+03	2.989E+03	1.535E+03	3.593E-06	-3.593E-06	-7.854E-01	4.321E+03	1.221E+03	8.559E-01
150	1	7621.08	-167.95	34.65	1	-4.917E-07	-3.278E-06	2.247E-14	-1.808E+02	6.767E+02	4.224E+02	-4.917E-07	-3.278E-06	8.063E-09	8.498E+02	-3.539E+02	1.182E+00
150	1	7621.08	-167.95	34.65	2	-4.901E-07	-3.267E-06	2.238E-14	-1.808E+02	6.767E+02	4.224E+02	-4.901E-07	-3.267E-06	8.060E-09	8.498E+02	-3.539E+02	1.182E+00
150	2	7648.25	-178.45	34.65	1	4.836E-14	4.836E-14	3.605E-06	-2.895E+02	-3.956E+03	2.745E+02	3.605E-06	-3.605E-06	7.854E-01	-2.691E+02	-3.977E+03	7.432E-02
150	2	7648.25	-178.45	34.65	2	4.826E-14	4.826E-14	3.593E-06	-2.896E+02	-3.957E+03	2.746E+02	3.593E-06	-3.593E-06	7.854E-01	-2.691E+02	-3.977E+03	7.432E-02
150	3	7675.41	-167.95	34.65	1	4.917E-07	3.278E-06	6.113E-14	-1.248E+03	-8.512E+03	-1.568E+02	3.278E-06	4.917E-07	1.571E+00	-1.245E+03	-8.516E+03	-2.158E-02
150	3	7675.41	-167.95	34.65	2	4.901E-07	3.267E-06	6.099E-14	-1.248E+03	-8.513E+03	-1.569E+02	3.267E-06	4.901E-07	1.571E+00	-1.245E+03	-8.516E+03	-2.158E-02
150	4	7648.25	-157.45	34.65	1	4.073E-14	4.073E-14	-3.605E-06	-7.686E+02	-3.879E+03	1.173E+03	3.605E-06	-3.605E-06	-7.854E-01	-3.761E+02	-4.271E+03	3.230E-01
150	4	7648.25	-157.45	34.65	2	4.059E-14	4.059E-14	-3.593E-06	-7.686E+02	-3.879E+03	1.173E+03	3.593E-06	-3.593E-06	-7.854E-01	-3.761E+02	-4.272E+03	3.230E-01
151	1	7702.58	-167.95	34.65	1	-4.917E-07	-3.278E-06	1.418E-14	-1.248E+03	-8.512E+03	-1.568E+02	-4.917E-07	-3.278E-06	5.087E-09	-1.245E+03	-8.516E+03	-2.158E-02
151	1	7702.58	-167.95	34.65	2	-4.901E-07	-3.267E-06	1.413E-14	-1.248E+03	-8.513E+03	-1.569E+02	-4.901E-07	-3.267E-06	5.089E-09	-1.245E+03	-8.516E+03	-2.158E-02
151	2	7729.75	-178.45	34.65	1	5.395E-14	5.395E-14	3.605E-06	-2.896E+02	-3.956E+03	-2.745E+02	3.605E-06	-3.605E-06	7.854E-01	-2.691E+02	-3.977E+03	-7.432E-02
151	2	7729.75	-178.45	34.65	2	5.372E-14	5.372E-14	3.593E-06	-2.896E+02	-3.957E+03	-2.746E+02	3.593E-06	-3.593E-06	7.854E-01	-2.691E+02	-3.977E+03	-7.432E-02
151	3	7756.91	-167.95	34.65	1	4.917E-07	3.278E-06	-1.509E-14	-1.808E+02	6.767E+02	-4.224E+02	3.278E-06	4.917E-07	1.571E+00	8.498E+02	-3.539E+02	1.960E+00
151	3	7756.91	-167.95	34.65	2	4.901E-07	3.267E-06	-1.522E-14	-1.808E+02	6.767E+02	-4.224E+02	3.267E-06	4.901E-07	1.571E+00	8.498E+02	-3.539E+02	1.960E+00
151	4	7729.75	-157.45	34.65	1	6.830E-14	6.830E-14	-3.605E-06	-7.686E+02	-3.879E+03	-1.173E+03	3.605E-06	-3.605E-06	-7.854E-01	-3.761E+02	-4.271E+03	-3.230E-01
151	4	7729.75	-157.45	34.65	2	6.817E-14	6.817E-14	-3.593E-06	-7.686E+02	-3.879E+03	-1.173E+03	3.593E-06	-3.593E-06	-7.854E-01	-3.761E+02	-4.272E+03	-3.230E-01
152	1	7775.25	-167.95	34.65	1	-1.406E-06	-9.375E-06	6.547E-14	1.716E+03	4.083E+03	-8.664E+02	-1.406E-06	-9.375E-06	8.216E-09	4.366E+03	1.433E+03	1.887E+00
152	1	7775.25	-167.95	34.65	2	-1.402E-06	-9.343E-06	6.553E-14	1.716E+03	4.083E+03	-8.664E+02	-1.402E-06	-9.343E-06	8.252E-09	4.366E+03	1.433E+03	1.887E+00
152	2	7784.75	-178.45	34.65	1	-6.177E-14	-6.177E-14	3.605E-06	5.099E+02	2.045E+03	-1.153E+03	3.605E-06	-3.605E-06	7.854E-01	2.663E+03	-1.079E+02	2.063E+00
152	2	7784.75	-178.45	34.65	2	-6.180E-14	-6.180E-14	3.593E-06	5.099E+02	2.045E+03	-1.153E+03	3.593E-06	-3.593E-06	7.854E-01	2.663E+03	-1.079E+02	2.063E+00
152	3	7794.25	-167.95	34.65	1	1.406E-06	9.375E-06	1.276E-12	1.807E+03	3.463E+02	-1.247E+03	9.375E-06	1.406E-06	1.571E+00	2.522E+03	-3.688E+02	-5.205E-01
152	3	7794.25	-167.95	34.65	2	1.402E-06	9.343E-06	1.272E-12	1.807E+03	3.463E+02	-1.247E+03	9.343E-06	1.402E-06	1.571E+00	2.522E+03	-3.688E+02	-5.205E-01
152	4	7784.75	-157.45	34.65	1	9.239E-14	9.239E-14	-3.605E-06	2.553E+03	2.988E+03	-1.535E+03	3.605E-06	-3.605E-06	-7.854E-01	4.320E+03	1.221E+03	2.286E+00
152	4	7784.75	-157.45	34.65	2	9.229E-14	9.229E-14	-3.593E-06	2.553E+03	2.989E+03	-1.535E+03	3.593E-06	-3.593E-06	-7.854E-01	4.321E+03	1.221E+03	2.286E+00
153	1	7593.25	-146.95	34.65	1	4.827E-14	7.561E-14	-3.605E-06	2.242E+03	6.154E+02	-9.194E+02	3.605E-06	-3.605E-06	-7.854E-01	2.656E+03	2.012E+02	-4.233E-01
153	1	7593.25	-146.95	34.65	2	4.810E-14	7.538E-14	-3.593E-06	2.242E+03	6.155E+02	-9.194E+02	3.593E-06	-3.593E-06	-7.854E-01	2.656E+03	2.013E+02	-4.233E-01
153	2	7602.75	-136.45	34.65	1	9.375E-06	1.406E-06	-2.112E-13	3.975E+03	-5.683E+03	-1.167E+03	9.375E-06	1.406E-06	-2.651E-08	4.114E+03	-5.822E+03	-1.186E-01
153	2	7602.75	-136.45	34.65	2	9.343E-06	1.402E-06	-2.107E-13	3.975E+03	-5.683E+03	-1.167E+03	9.343E-06	1.402E-06	-2.653E-08	4.114E+03	-5.822E+03	-1.186E-01
153	3	7593.25	-125.95	34.65	1	5.880E-14	5.880E-14	3.605E-06	1.910E+03	-1.304E+04	-2.771E+02	3.605E-06	-3.605E-06	7.854E-01	1.915E+03	-1.305E+04	-1.853E-02

153	3	7593.25	-125.95	34.65	2	5.855E-14	5.855E-14	3.593E-06	1.910E+03	-1.304E+04	-2.772E+02	3.593E-06	-3.593E-06	7.854E-01	1.915E+03	-1.305E+04	-1.853E-02
153	4	7583.75	-136.45	34.65	1	-9.375E-06	-1.406E-06	-1.478E-13	6.590E+02	-7.110E+03	-1.731E+03	-1.406E-06	-9.375E-06	1.571E+00	1.027E+03	-7.478E+03	-2.096E-01
153	4	7583.75	-136.45	34.65	2	-9.343E-06	-1.402E-06	-1.475E-13	6.590E+02	-7.110E+03	-1.731E+03	-1.402E-06	-9.343E-06	1.571E+00	1.027E+03	-7.479E+03	-2.096E-01
154	1	7648.25	-146.95	34.65	1	5.983E-14	-8.771E-15	-3.605E-06	-4.286E+03	-3.046E+03	-1.522E+03	3.605E-06	-3.605E-06	-7.854E-01	-2.022E+03	-5.310E+03	2.163E+00
154	1	7648.25	-146.95	34.65	2	5.958E-14	-8.105E-15	-3.593E-06	-4.286E+03	-3.046E+03	-1.522E+03	3.593E-06	-3.593E-06	-7.854E-01	-2.022E+03	-5.310E+03	2.163E+00
154	2	7675.41	-136.45	34.65	1	3.278E-06	4.917E-07	-1.484E-14	-7.972E+03	-7.642E+03	6.831E+02	3.278E-06	4.917E-07	-5.324E-09	-7.104E+03	-8.510E+03	9.041E-01
154	2	7675.41	-136.45	34.65	2	3.267E-06	4.901E-07	-1.486E-14	-7.973E+03	-7.642E+03	6.831E+02	3.267E-06	4.901E-07	-5.352E-09	-7.105E+03	-8.510E+03	9.041E-01
154	3	7648.25	-125.95	34.65	1	5.537E-14	5.537E-14	3.605E-06	-4.499E+03	-9.826E+03	-2.038E+03	3.605E-06	-3.605E-06	7.854E-01	-3.809E+03	-1.052E+04	-3.266E-01
154	3	7648.25	-125.95	34.65	2	5.505E-14	5.505E-14	3.593E-06	-4.500E+03	-9.826E+03	-2.038E+03	3.593E-06	-3.593E-06	7.854E-01	-3.809E+03	-1.052E+04	-3.266E-01
154	4	7621.08	-136.45	34.65	1	-3.278E-06	-4.917E-07	-7.341E-14	-8.146E+02	-7.590E+03	-2.141E+03	-4.917E-07	-3.278E-06	1.571E+00	-1.947E+02	-8.210E+03	-2.818E-01
154	4	7621.08	-136.45	34.65	2	-3.267E-06	-4.901E-07	-7.319E-14	-8.147E+02	-7.591E+03	-2.141E+03	-4.901E-07	-3.267E-06	1.571E+00	-1.947E+02	-8.211E+03	-2.818E-01
155	1	7729.75	-146.95	34.65	1	1.486E-13	-7.483E-14	-3.605E-06	-4.286E+03	-3.046E+03	1.522E+03	3.605E-06	-3.605E-06	-7.854E-01	-2.022E+03	-5.310E+03	9.789E-01
155	1	7729.75	-146.95	34.65	2	1.482E-13	-7.483E-14	-3.593E-06	-4.286E+03	-3.046E+03	1.522E+03	3.593E-06	-3.593E-06	-7.854E-01	-2.022E+03	-5.310E+03	9.789E-01
155	2	7756.91	-136.45	34.65	1	3.278E-06	4.917E-07	-3.218E-14	-8.146E+02	-7.590E+03	2.141E+03	3.278E-06	4.917E-07	-1.155E-08	-1.947E+02	-8.210E+03	2.818E-01
155	2	7756.91	-136.45	34.65	2	3.267E-06	4.901E-07	-3.199E-14	-8.147E+02	-7.591E+03	2.141E+03	3.267E-06	4.901E-07	-1.152E-08	-1.947E+02	-8.211E+03	2.818E-01
155	3	7729.75	-125.95	34.65	1	-1.044E-14	-1.044E-14	3.605E-06	-4.499E+03	-9.826E+03	2.038E+03	3.605E-06	-3.605E-06	7.854E-01	-3.809E+03	-1.052E+04	3.266E-01
155	3	7729.75	-125.95	34.65	2	-1.068E-14	-1.068E-14	3.593E-06	-4.500E+03	-9.826E+03	2.038E+03	3.593E-06	-3.593E-06	7.854E-01	-3.809E+03	-1.052E+04	3.266E-01
155	4	7702.58	-136.45	34.65	1	-3.278E-06	-4.917E-07	2.892E-14	-7.972E+03	-7.642E+03	6.831E+02	-4.917E-07	-3.278E-06	1.571E+00	-7.104E+03	-8.510E+03	9.041E-01
155	4	7702.58	-136.45	34.65	2	-3.267E-06	-4.901E-07	2.881E-14	-7.973E+03	-7.642E+03	6.831E+02	-4.901E-07	-3.267E-06	1.571E+00	-7.105E+03	-8.510E+03	9.041E-01
156	1	7784.75	-146.95	34.65	1	1.055E-13	-9.413E-14	-3.605E-06	2.242E+03	6.154E+02	9.194E+02	3.605E-06	-3.605E-06	-7.854E-01	2.656E+03	2.012E+02	4.233E-01
156	1	7784.75	-146.95	34.65	2	1.051E-13	-9.416E-14	-3.593E-06	2.242E+03	6.155E+02	9.195E+02	3.593E-06	-3.593E-06	-7.854E-01	2.656E+03	2.013E+02	4.233E-01
156	2	7794.25	-136.45	34.65	1	9.375E-06	1.406E-06	-1.366E-12	6.590E+02	-7.110E+03	1.731E+03	9.375E-06	1.406E-06	-1.715E-07	1.027E+03	-7.478E+03	2.096E-01
156	2	7794.25	-136.45	34.65	2	9.343E-06	1.402E-06	-1.362E-12	6.590E+02	-7.110E+03	1.731E+03	9.343E-06	1.402E-06	-1.715E-07	1.027E+03	-7.479E+03	2.096E-01
156	3	7784.75	-125.95	34.65	1	-6.348E-14	-6.348E-14	3.605E-06	1.910E+03	-1.304E+04	2.771E+02	3.605E-06	-3.605E-06	7.854E-01	1.915E+03	-1.305E+04	1.853E-02
156	3	7784.75	-125.95	34.65	2	-6.353E-14	-6.353E-14	3.593E-06	1.910E+03	-1.304E+04	2.772E+02	3.593E-06	-3.593E-06	7.854E-01	1.915E+03	-1.305E+04	1.853E-02
156	4	7775.25	-136.45	34.65	1	-9.375E-06	-1.406E-06	-1.344E-13	3.975E+03	-5.683E+03	1.167E+03	-1.406E-06	-9.375E-06	1.571E+00	4.114E+03	-5.822E+03	1.186E-01
156	4	7775.25	-136.45	34.65	2	-9.343E-06	-1.402E-06	-1.338E-13	3.975E+03	-5.683E+03	1.167E+03	-1.402E-06	-9.343E-06	1.571E+00	4.114E+03	-5.822E+03	1.186E-01
157	1	7583.75	-60.35	34.65	1	-7.031E-07	-4.687E-06	-1.438E-14	-4.091E+04	-5.331E+02	-2.885E+03	-7.031E-07	-4.687E-06	-3.609E-09	-3.280E+02	-4.111E+04	1.642E+00
157	1	7583.75	-60.35	34.65	2	-7.008E-07	-4.672E-06	-1.449E-14	-4.091E+04	-5.331E+02	-2.884E+03	-7.008E-07	-4.672E-06	-3.649E-09	-3.280E+02	-4.111E+04	1.642E+00
157	2	7593.25	-100.58	34.65	1	2.939E-14	2.939E-14	4.704E-07	-2.674E+04	-3.853E+03	1.367E+02	4.704E-07	-4.704E-07	7.854E-01	-3.852E+03	-2.674E+04	1.565E+00
157	2	7593.25	-100.58	34.65	2	2.938E-14	2.938E-14	4.688E-07	-2.674E+04	-3.852E+03	1.370E+02	4.688E-07	-4.688E-07	7.854E-01	-3.852E+03	-2.674E+04	1.565E+00
157	3	7602.75	-60.35	34.65	1	7.031E-07	4.687E-06	4.580E-14	-4.082E+04	-1.395E+03	8.798E+02	4.687E-06	7.031E-07	1.571E+00	-1.375E+03	-4.084E+04	1.548E+00
157	3	7602.75	-60.35	34.65	2	7.008E-07	4.672E-06	4.569E-14	-4.082E+04	-1.395E+03	8.801E+02	4.672E-06	7.008E-07	1.571E+00	-1.375E+03	-4.084E+04	1.548E+00
157	4	7593.25	-20.12	34.65	1	-1.469E-14	-1.469E-14	-4.704E-07	-5.510E+04	7.931E+02	5.149E+02	4.704E-07	-4.704E-07	-7.854E-01	7.979E+02	-5.510E+04	1.562E+00
157	4	7593.25	-20.12	34.65	2	-1.455E-14	-1.455E-14	-4.688E-07	-5.510E+04	7.929E+02	5.152E+02	4.688E-07	-4.688E-07	-7.854E-01	7.977E+02	-5.510E+04	1.562E+00
158	1	7621.08	-60.35	34.65	1	-2.459E-07	-1.639E-06	-6.557E-14	-4.182E+04	-3.927E+03	1.388E+03	-2.459E-07	-1.639E-06	-4.706E-08	-3.876E+03	-4.187E+04	1.534E+00
158	1	7621.08	-60.35	34.65	2	-2.451E-07	-1.634E-06	-6.521E-14	-4.182E+04	-3.926E+03	1.388E+03	-2.451E-07	-1.634E-06	-4.696E-08	-3.875E+03	-4.187E+04	1.534E+00
158	2	7648.25	-100.58	34.65	1	4.054E-14	4.054E-14	4.704E-07	-2.069E+04	-1.597E+04	2.144E+03	4.704E-07	-4.704E-07	7.854E-01	-1.514E+04	-2.152E+04	1.203E+00
158	2	7648.25	-100.58	34.65	2	4.019E-14	4.019E-14	4.688E-07	-2.069E+04	-1.597E+04	2.144E+03	4.688E-07	-4.688E-07	7.854E-01	-1.514E+04	-2.152E+04	1.202E+00
158	3	7675.41	-60.35	34.65	1	2.459E-07	1.639E-06	-4.807E-14	-4.002E+04	-2.100E+04	-1.408E+03	1.639E-06	2.459E-07	1.571E+00	-2.090E+04	-4.013E+04	1.644E+00
158	3	7675.41	-60.35	34.65	2	2.451E-07	1.634E-06	-4.774E-14	-4.003E+04	-2.101E+04	-1.408E+03	1.634E-06	2.451E-07	1.571E+00	-2.090E+04	-4.013E+04	1.644E+00
158	4	7648.25	-20.12	34.65	1	1.090E-14	1.090E-14	-4.704E-07	-5.854E+04	-1.690E+04	1.869E+03	4.704E-07	-4.704E-07	-7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
158	4	7648.25	-20.12	34.65	2	1.074E-14	1.074E-14	-4.688E-07	-5.855E+04	-1.690E+04	1.869E+03	4.688E-07	-4.688E-07	-7.854E-01	-1.681E+04	-5.863E+04	1.526E+00

159	1	7702.58	-60.35	34.65	1	-2.459E-07	-1.639E-06	-4.714E-14	-4.002E+04	-2.100E+04	-1.408E+03	-2.459E-07	-1.639E-06	-3.383E-08	-2.090E+04	-4.013E+04	1.644E+00
159	1	7702.58	-60.35	34.65	2	-2.451E-07	-1.634E-06	-4.723E-14	-4.003E+04	-2.101E+04	-1.408E+03	-2.451E-07	-1.634E-06	-3.401E-08	-2.090E+04	-4.013E+04	1.644E+00
159	2	7729.75	-100.58	34.65	1	4.050E-14	4.050E-14	4.704E-07	-2.069E+04	-1.597E+04	-2.144E+03	4.704E-07	-4.704E-07	7.854E-01	-1.514E+04	-2.152E+04	1.939E+00
159	2	7729.75	-100.58	34.65	2	4.024E-14	4.024E-14	4.688E-07	-2.069E+04	-1.597E+04	-2.144E+03	4.688E-07	-4.688E-07	7.854E-01	-1.514E+04	-2.152E+04	1.939E+00
159	3	7756.91	-60.35	34.65	1	2.459E-07	1.639E-06	-1.491E-14	-4.182E+04	-3.927E+03	-1.387E+03	1.639E-06	2.459E-07	1.571E+00	-3.876E+03	-4.187E+04	1.607E+00
159	3	7756.91	-60.35	34.65	2	2.451E-07	1.634E-06	-1.495E-14	-4.182E+04	-3.926E+03	-1.388E+03	1.634E-06	2.451E-07	1.571E+00	-3.875E+03	-4.187E+04	1.607E+00
159	4	7729.75	-20.12	34.65	1	-3.096E-14	-3.096E-14	-4.704E-07	-5.854E+04	-1.690E+04	1.869E+03	4.704E-07	-4.704E-07	-7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
159	4	7729.75	-20.12	34.65	2	-3.134E-14	-3.134E-14	-4.688E-07	-5.855E+04	-1.690E+04	1.868E+03	4.688E-07	-4.688E-07	-7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
160	1	7775.25	-60.35	34.65	1	-7.031E-07	-4.687E-06	-2.977E-14	-4.082E+04	-1.395E+03	-8.797E+02	-7.031E-07	-4.687E-06	-7.471E-09	-1.375E+03	-4.084E+04	1.593E+00
160	1	7775.25	-60.35	34.65	2	-7.008E-07	-4.672E-06	-2.974E-14	-4.082E+04	-1.395E+03	-8.801E+02	-7.008E-07	-4.672E-06	-7.489E-09	-1.375E+03	-4.084E+04	1.593E+00
160	2	7784.75	-100.58	34.65	1	5.996E-15	5.996E-15	4.704E-07	-2.674E+04	-3.853E+03	-1.367E+02	4.704E-07	-4.704E-07	7.854E-01	-3.852E+03	-2.674E+04	1.577E+00
160	2	7784.75	-100.58	34.65	2	5.953E-15	5.953E-15	4.688E-07	-2.674E+04	-3.852E+03	-1.370E+02	4.688E-07	-4.688E-07	7.854E-01	-3.852E+03	-2.674E+04	1.577E+00
160	3	7794.25	-60.35	34.65	1	7.031E-07	4.687E-06	1.248E-12	-4.091E+04	-5.331E+02	2.885E+03	4.687E-06	7.031E-07	1.571E+00	-3.280E+02	-4.111E+04	1.500E+00
160	3	7794.25	-60.35	34.65	2	7.008E-07	4.672E-06	1.244E-12	-4.091E+04	-5.330E+02	2.884E+03	4.672E-06	7.008E-07	1.571E+00	-3.280E+02	-4.111E+04	1.500E+00
160	4	7784.75	-20.12	34.65	1	-5.281E-14	-5.281E-14	-4.704E-07	-5.510E+04	7.931E+02	5.152E+02	4.704E-07	-4.704E-07	-7.854E-01	7.979E+02	-5.510E+04	1.562E+00
160	4	7784.75	-20.12	34.65	2	-5.279E-14	-5.279E-14	-4.688E-07	-5.510E+04	7.929E+02	5.148E+02	4.688E-07	-4.688E-07	-7.854E-01	7.977E+02	-5.510E+04	1.562E+00
161	1	7583.75	60.35	34.65	1	7.031E-07	4.687E-06	-1.166E-15	-4.091E+04	-5.331E+02	2.884E+03	4.687E-06	7.031E-07	1.571E+00	-3.280E+02	-4.111E+04	1.500E+00
161	1	7583.75	60.35	34.65	2	7.008E-07	4.672E-06	-1.055E-15	-4.091E+04	-5.331E+02	2.885E+03	4.672E-06	7.008E-07	1.571E+00	-3.280E+02	-4.111E+04	1.500E+00
161	2	7593.25	20.12	34.65	1	-3.520E-14	-3.520E-14	-4.704E-07	-5.510E+04	7.929E+02	5.149E+02	4.704E-07	-4.704E-07	-7.854E-01	7.977E+02	-5.510E+04	1.562E+00
161	2	7593.25	20.12	34.65	2	-3.499E-14	-3.499E-14	-4.688E-07	-5.510E+04	7.931E+02	5.152E+02	4.688E-07	-4.688E-07	-7.854E-01	7.979E+02	-5.510E+04	1.562E+00
161	3	7602.75	60.35	34.65	1	-7.031E-07	-4.687E-06	6.140E-14	-4.082E+04	-1.395E+03	-8.801E+02	-7.031E-07	-4.687E-06	1.541E-08	-1.375E+03	-4.084E+04	1.593E+00
161	3	7602.75	60.35	34.65	2	-7.008E-07	-4.672E-06	6.117E-14	-4.082E+04	-1.395E+03	-8.798E+02	-7.008E-07	-4.672E-06	1.541E-08	-1.375E+03	-4.084E+04	1.593E+00
161	4	7593.25	100.58	34.65	1	-1.826E-14	-1.826E-14	4.704E-07	-2.674E+04	-3.852E+03	-1.370E+02	4.704E-07	-4.704E-07	7.854E-01	-3.852E+03	-2.674E+04	1.577E+00
161	4	7593.25	100.58	34.65	2	-1.792E-14	-1.792E-14	4.688E-07	-2.674E+04	-3.853E+03	-1.367E+02	4.688E-07	-4.688E-07	7.854E-01	-3.852E+03	-2.674E+04	1.577E+00
162	1	7621.08	60.35	34.65	1	2.459E-07	1.639E-06	-3.891E-14	-4.182E+04	-3.926E+03	-1.388E+03	1.639E-06	2.459E-07	1.571E+00	-3.875E+03	-4.187E+04	1.607E+00
162	1	7621.08	60.35	34.65	2	2.451E-07	1.634E-06	-3.841E-14	-4.182E+04	-3.927E+03	-1.388E+03	1.634E-06	2.451E-07	1.571E+00	-3.876E+03	-4.187E+04	1.607E+00
162	2	7648.25	20.12	34.65	1	-8.606E-15	-8.606E-15	-4.704E-07	-5.855E+04	-1.690E+04	1.869E+03	4.704E-07	-4.704E-07	-7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
162	2	7648.25	20.12	34.65	2	-8.172E-15	-8.172E-15	-4.688E-07	-5.854E+04	-1.690E+04	1.869E+03	4.688E-07	-4.688E-07	-7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
162	3	7675.41	60.35	34.65	1	-2.459E-07	-1.639E-06	-5.967E-15	-4.003E+04	-2.101E+04	1.408E+03	-2.459E-07	-1.639E-06	-4.283E-09	-2.090E+04	-4.013E+04	1.497E+00
162	3	7675.41	60.35	34.65	2	-2.451E-07	-1.634E-06	-5.523E-15	-4.002E+04	-2.100E+04	1.408E+03	-2.451E-07	-1.634E-06	-3.978E-09	-2.090E+04	-4.013E+04	1.497E+00
162	4	7648.25	100.58	34.65	1	-5.763E-14	-5.763E-14	4.704E-07	-2.069E+04	-1.597E+04	-2.144E+03	4.704E-07	-4.704E-07	7.854E-01	-1.514E+04	-2.152E+04	1.939E+00
162	4	7648.25	100.58	34.65	2	-5.738E-14	-5.738E-14	4.688E-07	-2.069E+04	-1.597E+04	-2.144E+03	4.688E-07	-4.688E-07	7.854E-01	-1.514E+04	-2.152E+04	1.939E+00
163	1	7702.58	60.35	34.65	1	2.459E-07	1.639E-06	-9.125E-15	-4.003E+04	-2.101E+04	1.408E+03	1.639E-06	2.459E-07	1.571E+00	-2.090E+04	-4.013E+04	1.497E+00
163	1	7702.58	60.35	34.65	2	2.451E-07	1.634E-06	-8.916E-15	-4.002E+04	-2.100E+04	1.408E+03	1.634E-06	2.451E-07	1.571E+00	-2.090E+04	-4.013E+04	1.497E+00
163	2	7729.75	20.12	34.65	1	-1.770E-14	-1.770E-14	-4.704E-07	-5.855E+04	-1.690E+04	1.869E+03	4.704E-07	-4.704E-07	-7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
163	2	7729.75	20.12	34.65	2	-1.758E-14	-1.758E-14	-4.688E-07	-5.854E+04	-1.690E+04	1.868E+03	4.688E-07	-4.688E-07	-7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
163	3	7756.91	60.35	34.65	1	-2.459E-07	-1.639E-06	8.771E-15	-4.182E+04	-3.926E+03	1.388E+03	-2.459E-07	-1.639E-06	6.295E-09	-3.875E+03	-4.187E+04	1.534E+00
163	3	7756.91	60.35	34.65	2	-2.451E-07	-1.634E-06	8.937E-15	-4.182E+04	-3.927E+03	1.387E+03	-2.451E-07	-1.634E-06	6.436E-09	-3.876E+03	-4.187E+04	1.534E+00
163	4	7729.75	100.58	34.65	1	-6.418E-15	-6.418E-15	4.704E-07	-2.069E+04	-1.597E+04	2.144E+03	4.704E-07	-4.704E-07	7.854E-01	-1.514E+04	-2.152E+04	1.202E+00
163	4	7729.75	100.58	34.65	2	-6.211E-15	-6.211E-15	4.688E-07	-2.069E+04	-1.597E+04	2.144E+03	4.688E-07	-4.688E-07	7.854E-01	-1.514E+04	-2.152E+04	1.203E+00
164	1	7775.25	60.35	34.65	1	7.031E-07	4.687E-06	-6.020E-14	-4.082E+04	-1.395E+03	8.801E+02	4.687E-06	7.031E-07	1.571E+00	-1.375E+03	-4.084E+04	1.548E+00
164	1	7775.25	60.35	34.65	2	7.008E-07	4.672E-06	-6.015E-14	-4.082E+04	-1.395E+03	8.797E+02	4.672E-06	7.008E-07	1.571E+00	-1.375E+03	-4.084E+04	1.548E+00
164	2	7784.75	20.12	34.65	1	-6.650E-16	-6.650E-16	-4.704E-07	-5.510E+04	7.929E+02	5.152E+02	4.704E-07	-4.704E-07	-7.854E-01	7.977E+02	-5.510E+04	1.562E+00

164	2	7784.75	20.12	34.65	2	-8.615E-16	-8.615E-16	-4.688E-07	-5.510E+04	7.931E+02	5.148E+02	4.688E-07	-4.688E-07	-7.854E-01	7.979E+02	-5.510E+04	1.562E+00
164	3	7794.25	60.35	34.65	1	-7.031E-07	-4.687E-06	1.260E-12	-4.091E+04	-5.330E+02	-2.884E+03	-7.031E-07	-4.687E-06	3.162E-07	-3.280E+02	-4.111E+04	1.642E+00
164	3	7794.25	60.35	34.65	2	-7.008E-07	-4.672E-06	1.256E-12	-4.091E+04	-5.331E+02	-2.885E+03	-7.008E-07	-4.672E-06	3.162E-07	-3.280E+02	-4.111E+04	1.642E+00
164	4	7784.75	100.58	34.65	1	1.270E-14	1.270E-14	4.704E-07	-2.674E+04	-3.852E+03	1.370E+02	4.704E-07	-4.704E-07	7.854E-01	-3.852E+03	-2.674E+04	1.565E+00
164	4	7784.75	100.58	34.65	2	1.250E-14	1.250E-14	4.688E-07	-2.674E+04	-3.853E+03	1.367E+02	4.688E-07	-4.688E-07	7.854E-01	-3.852E+03	-2.674E+04	1.565E+00
165	1	7593.25	125.95	34.65	1	-1.019E-14	-1.315E-13	3.605E-06	1.910E+03	-1.304E+04	2.772E+02	3.605E-06	-3.605E-06	7.854E-01	1.915E+03	-1.305E+04	1.853E-02
165	1	7593.25	125.95	34.65	2	-9.909E-15	-1.306E-13	3.593E-06	1.910E+03	-1.304E+04	2.771E+02	3.593E-06	-3.593E-06	7.854E-01	1.915E+03	-1.305E+04	1.853E-02
165	2	7602.75	136.45	34.65	1	-9.375E-06	-1.406E-06	-1.226E-13	3.975E+03	-5.683E+03	1.167E+03	-1.406E-06	-9.375E-06	1.571E+00	4.114E+03	-5.822E+03	1.186E-01
165	2	7602.75	136.45	34.65	2	-9.343E-06	-1.402E-06	-1.221E-13	3.975E+03	-5.683E+03	1.167E+03	-1.402E-06	-9.343E-06	1.571E+00	4.114E+03	-5.822E+03	1.186E-01
165	3	7593.25	146.95	34.65	1	-5.665E-14	-5.665E-14	-3.605E-06	2.242E+03	6.155E+02	9.194E+02	3.605E-06	-3.605E-06	-7.854E-01	2.656E+03	2.013E+02	4.233E-01
165	3	7593.25	146.95	34.65	2	-5.615E-14	-5.615E-14	-3.593E-06	2.242E+03	6.154E+02	9.194E+02	3.593E-06	-3.593E-06	-7.854E-01	2.656E+03	2.012E+02	4.233E-01
165	4	7583.75	136.45	34.65	1	9.375E-06	1.406E-06	-1.070E-13	6.590E+02	-7.110E+03	1.731E+03	9.375E-06	1.406E-06	-1.343E-08	1.027E+03	-7.479E+03	2.096E-01
165	4	7583.75	136.45	34.65	2	9.343E-06	1.402E-06	-1.066E-13	6.590E+02	-7.110E+03	1.731E+03	9.343E-06	1.402E-06	-1.342E-08	1.027E+03	-7.478E+03	2.096E-01
166	1	7648.25	125.95	34.65	1	-9.981E-14	-8.116E-14	3.605E-06	-4.500E+03	-9.826E+03	2.038E+03	3.605E-06	-3.605E-06	7.854E-01	-3.809E+03	-1.052E+04	3.266E-01
166	1	7648.25	125.95	34.65	2	-1.000E-13	-8.005E-14	3.593E-06	-4.499E+03	-9.826E+03	2.038E+03	3.593E-06	-3.593E-06	7.854E-01	-3.809E+03	-1.052E+04	3.266E-01
166	2	7675.41	136.45	34.65	1	-3.278E-06	-4.917E-07	3.712E-14	-7.973E+03	-7.642E+03	-6.831E+02	-4.917E-07	-3.278E-06	1.571E+00	-7.105E+03	-8.510E+03	2.238E+00
166	2	7675.41	136.45	34.65	2	-3.267E-06	-4.901E-07	3.687E-14	-7.972E+03	-7.642E+03	-6.831E+02	-4.901E-07	-3.267E-06	1.571E+00	-7.104E+03	-8.510E+03	2.237E+00
166	3	7648.25	146.95	34.65	1	-4.506E-14	-4.506E-14	-3.605E-06	-4.286E+03	-3.046E+03	1.522E+03	3.605E-06	-3.605E-06	-7.854E-01	-2.022E+03	-5.310E+03	9.789E-01
166	3	7648.25	146.95	34.65	2	-4.464E-14	-4.464E-14	-3.593E-06	-4.286E+03	-3.046E+03	1.522E+03	3.593E-06	-3.593E-06	-7.854E-01	-2.022E+03	-5.310E+03	9.789E-01
166	4	7621.08	136.45	34.65	1	3.278E-06	4.917E-07	-3.150E-14	-8.147E+02	-7.591E+03	2.141E+03	3.278E-06	4.917E-07	-1.131E-08	-1.947E+02	-8.211E+03	2.818E-01
166	4	7621.08	136.45	34.65	2	3.267E-06	4.901E-07	-3.184E-14	-8.146E+02	-7.590E+03	2.141E+03	3.267E-06	4.901E-07	-1.146E-08	-1.947E+02	-8.210E+03	2.818E-01
167	1	7729.75	125.95	34.65	1	3.639E-14	9.492E-14	3.605E-06	-4.500E+03	-9.826E+03	-2.038E+03	3.605E-06	-3.605E-06	7.854E-01	-3.809E+03	-1.052E+04	-3.266E-01
167	1	7729.75	125.95	34.65	2	3.649E-14	9.515E-14	3.593E-06	-4.499E+03	-9.826E+03	-2.038E+03	3.593E-06	-3.593E-06	7.854E-01	-3.809E+03	-1.052E+04	-3.266E-01
167	2	7756.91	136.45	34.65	1	-3.278E-06	-4.917E-07	3.182E-14	-8.147E+02	-7.591E+03	-2.141E+03	-4.917E-07	-3.278E-06	1.571E+00	-1.947E+02	-8.211E+03	-2.818E-01
167	2	7756.91	136.45	34.65	2	-3.267E-06	-4.901E-07	3.129E-14	-8.146E+02	-7.590E+03	-2.141E+03	-4.901E-07	-3.267E-06	1.571E+00	-1.947E+02	-8.210E+03	-2.818E-01
167	3	7729.75	146.95	34.65	1	2.922E-14	2.922E-14	-3.605E-06	-4.286E+03	-3.046E+03	-1.522E+03	3.605E-06	-3.605E-06	-7.854E-01	-2.022E+03	-5.310E+03	2.163E+00
167	3	7729.75	146.95	34.65	2	2.923E-14	2.923E-14	-3.593E-06	-4.286E+03	-3.046E+03	-1.522E+03	3.593E-06	-3.593E-06	-7.854E-01	-2.022E+03	-5.310E+03	2.163E+00
167	4	7702.58	136.45	34.65	1	3.278E-06	4.917E-07	2.880E-14	-7.973E+03	-7.642E+03	-6.831E+02	3.278E-06	4.917E-07	1.033E-08	-7.105E+03	-8.510E+03	2.238E+00
167	4	7702.58	136.45	34.65	2	3.267E-06	4.901E-07	2.821E-14	-7.972E+03	-7.642E+03	-6.831E+02	3.267E-06	4.901E-07	1.016E-08	-7.104E+03	-8.510E+03	2.237E+00
168	1	7784.75	125.95	34.65	1	4.544E-14	2.742E-14	3.605E-06	1.910E+03	-1.304E+04	-2.772E+02	3.605E-06	-3.605E-06	7.854E-01	1.915E+03	-1.305E+04	-1.853E-02
168	1	7784.75	125.95	34.65	2	4.527E-14	2.587E-14	3.593E-06	1.910E+03	-1.304E+04	-2.771E+02	3.593E-06	-3.593E-06	7.854E-01	1.915E+03	-1.305E+04	-1.853E-02
168	2	7794.25	136.45	34.65	1	-9.375E-06	-1.406E-06	-1.296E-12	6.590E+02	-7.110E+03	-1.731E+03	-1.406E-06	-9.375E-06	1.571E+00	1.027E+03	-7.479E+03	-2.096E-01
168	2	7794.25	136.45	34.65	2	-9.343E-06	-1.402E-06	-1.292E-12	6.590E+02	-7.110E+03	-1.731E+03	-1.402E-06	-9.343E-06	1.571E+00	1.027E+03	-7.478E+03	-2.096E-01
168	3	7784.75	146.95	34.65	1	-5.042E-14	-5.042E-14	-3.605E-06	2.242E+03	6.155E+02	-9.195E+02	3.605E-06	-3.605E-06	-7.854E-01	2.656E+03	2.013E+02	-4.233E-01
168	3	7784.75	146.95	34.65	2	-5.128E-14	-5.128E-14	-3.593E-06	2.242E+03	6.154E+02	-9.194E+02	3.593E-06	-3.593E-06	-7.854E-01	2.656E+03	2.012E+02	-4.233E-01
168	4	7775.25	136.45	34.65	1	9.375E-06	1.406E-06	-8.213E-14	3.975E+03	-5.683E+03	-1.167E+03	9.375E-06	1.406E-06	-1.031E-08	4.114E+03	-5.822E+03	-1.186E-01
168	4	7775.25	136.45	34.65	2	9.343E-06	1.402E-06	-8.219E-14	3.975E+03	-5.683E+03	-1.167E+03	9.343E-06	1.402E-06	-1.035E-08	4.114E+03	-5.822E+03	-1.186E-01
169	1	7593.25	157.45	34.65	1	-4.441E-14	-2.776E-14	3.605E-06	2.989E+03	2.553E+03	1.535E+03	3.605E-06	-3.605E-06	7.854E-01	4.321E+03	1.221E+03	7.149E-01
169	1	7593.25	157.45	34.65	2	-4.463E-14	-2.820E-14	3.593E-06	2.988E+03	2.553E+03	1.535E+03	3.593E-06	-3.593E-06	7.854E-01	4.321E+03	1.221E+03	7.149E-01
169	2	7602.75	167.95	34.65	1	-9.375E-06	-1.406E-06	-1.862E-13	4.083E+03	1.716E+03	8.664E+02	-1.406E-06	-9.375E-06	1.571E+00	4.366E+03	1.433E+03	3.160E-01
169	2	7602.75	167.95	34.65	2	-9.343E-06	-1.402E-06	-1.855E-13	4.083E+03	1.716E+03	8.664E+02	-1.402E-06	-9.343E-06	1.571E+00	4.366E+03	1.433E+03	3.160E-01
169	3	7593.25	178.45	34.65	1	-4.984E-14	-4.984E-14	-3.605E-06	2.045E+03	5.099E+02	1.153E+03	3.605E-06	-3.605E-06	-7.854E-01	2.663E+03	-1.079E+02	4.918E-01
169	3	7593.25	178.45	34.65	2	-4.942E-14	-4.942E-14	-3.593E-06	2.045E+03	5.099E+02	1.153E+03	3.593E-06	-3.593E-06	-7.854E-01	2.663E+03	-1.079E+02	4.918E-01

169	4	7583.75	167.95	34.65	1	9.375E-06	1.406E-06	-1.723E-13	3.463E+02	1.807E+03	1.247E+03	9.375E-06	1.406E-06	-2.162E-08	2.522E+03	-3.688E+02	1.050E+00
169	4	7583.75	167.95	34.65	2	9.343E-06	1.402E-06	-1.719E-13	3.463E+02	1.807E+03	1.247E+03	9.343E-06	1.402E-06	-2.165E-08	2.522E+03	-3.688E+02	1.050E+00
170	1	7648.25	157.45	34.65	1	-3.815E-14	1.443E-14	3.605E-06	-3.879E+03	-7.686E+02	1.173E+03	3.605E-06	-3.605E-06	7.854E-01	-3.761E+02	-4.272E+03	1.248E+00
170	1	7648.25	157.45	34.65	2	-3.840E-14	1.443E-14	3.593E-06	-3.879E+03	-7.686E+02	1.173E+03	3.593E-06	-3.593E-06	7.854E-01	-3.761E+02	-4.271E+03	1.248E+00
170	2	7675.41	167.95	34.65	1	-3.278E-06	-4.917E-07	3.951E-14	-8.513E+03	-1.248E+03	-1.569E+02	-4.917E-07	-3.278E-06	1.571E+00	-1.245E+03	-8.516E+03	1.592E+00
170	2	7675.41	167.95	34.65	2	-3.267E-06	-4.901E-07	3.965E-14	-8.512E+03	-1.248E+03	-1.568E+02	-4.901E-07	-3.267E-06	1.571E+00	-1.245E+03	-8.516E+03	1.592E+00
170	3	7648.25	178.45	34.65	1	8.778E-15	8.778E-15	-3.605E-06	-3.957E+03	-2.896E+02	2.746E+02	3.605E-06	-3.605E-06	-7.854E-01	-2.691E+02	-3.977E+03	1.496E+00
170	3	7648.25	178.45	34.65	2	9.125E-15	9.125E-15	-3.593E-06	-3.956E+03	-2.895E+02	2.745E+02	3.593E-06	-3.593E-06	-7.854E-01	-2.691E+02	-3.977E+03	1.496E+00
170	4	7621.08	167.95	34.65	1	3.278E-06	4.917E-07	-5.969E-14	6.767E+02	-1.808E+02	4.224E+02	3.278E-06	4.917E-07	-2.142E-08	8.498E+02	-3.539E+02	3.890E-01
170	4	7621.08	167.95	34.65	2	3.267E-06	4.901E-07	-6.010E-14	6.767E+02	-1.808E+02	4.224E+02	3.267E-06	4.901E-07	-2.164E-08	8.498E+02	-3.539E+02	3.890E-01
171	1	7729.75	157.45	34.65	1	4.025E-14	4.108E-15	3.605E-06	-3.879E+03	-7.686E+02	-1.173E+03	3.605E-06	-3.605E-06	7.854E-01	-3.761E+02	-4.272E+03	1.894E+00
171	1	7729.75	157.45	34.65	2	4.047E-14	4.330E-15	3.593E-06	-3.879E+03	-7.686E+02	-1.173E+03	3.593E-06	-3.593E-06	7.854E-01	-3.761E+02	-4.271E+03	1.894E+00
171	2	7756.91	167.95	34.65	1	-3.278E-06	-4.917E-07	-3.084E-14	6.767E+02	-1.808E+02	-4.224E+02	-4.917E-07	-3.278E-06	1.571E+00	8.498E+02	-3.539E+02	-3.890E-01
171	2	7756.91	167.95	34.65	2	-3.267E-06	-4.901E-07	-3.077E-14	6.767E+02	-1.808E+02	-4.224E+02	-4.901E-07	-3.267E-06	1.571E+00	8.498E+02	-3.539E+02	-3.889E-01
171	3	7729.75	178.45	34.65	1	1.382E-14	1.382E-14	-3.605E-06	-3.957E+03	-2.896E+02	-2.746E+02	3.605E-06	-3.605E-06	-7.854E-01	-2.691E+02	-3.977E+03	1.645E+00
171	3	7729.75	178.45	34.65	2	1.404E-14	1.404E-14	-3.593E-06	-3.956E+03	-2.896E+02	-2.745E+02	3.593E-06	-3.593E-06	-7.854E-01	-2.691E+02	-3.977E+03	1.645E+00
171	4	7702.58	167.95	34.65	1	3.278E-06	4.917E-07	-5.759E-16	-8.513E+03	-1.248E+03	-1.569E+02	3.278E-06	4.917E-07	-2.067E-10	-1.245E+03	-8.516E+03	1.592E+00
171	4	7702.58	167.95	34.65	2	3.267E-06	4.901E-07	-8.674E-16	-8.512E+03	-1.248E+03	-1.568E+02	3.267E-06	4.901E-07	-3.123E-10	-1.245E+03	-8.516E+03	1.592E+00
172	1	7784.75	157.45	34.65	1	-1.195E-13	-1.593E-14	3.605E-06	2.989E+03	2.553E+03	-1.535E+03	3.605E-06	-3.605E-06	7.854E-01	4.321E+03	1.221E+03	-7.149E-01
172	1	7784.75	157.45	34.65	2	-1.198E-13	-1.782E-14	3.593E-06	2.988E+03	2.553E+03	-1.535E+03	3.593E-06	-3.593E-06	7.854E-01	4.320E+03	1.221E+03	-7.149E-01
172	2	7794.25	167.95	34.65	1	-9.375E-06	-1.406E-06	-1.333E-12	3.463E+02	1.807E+03	-1.247E+03	-1.406E-06	-9.375E-06	1.571E+00	2.522E+03	-3.688E+02	2.091E+00
172	2	7794.25	167.95	34.65	2	-9.343E-06	-1.402E-06	-1.330E-12	3.463E+02	1.807E+03	-1.247E+03	-1.402E-06	-9.343E-06	1.571E+00	2.522E+03	-3.688E+02	2.091E+00
172	3	7784.75	178.45	34.65	1	-1.003E-14	-1.003E-14	-3.605E-06	2.045E+03	5.099E+02	-1.153E+03	3.605E-06	-3.605E-06	-7.854E-01	2.663E+03	-1.079E+02	-4.918E-01
172	3	7784.75	178.45	34.65	2	-1.078E-14	-1.078E-14	-3.593E-06	2.045E+03	5.099E+02	-1.153E+03	3.593E-06	-3.593E-06	-7.854E-01	2.663E+03	-1.079E+02	-4.918E-01
172	4	7775.25	167.95	34.65	1	9.375E-06	1.406E-06	-1.565E-13	4.083E+03	1.716E+03	-8.664E+02	9.375E-06	1.406E-06	-1.963E-08	4.366E+03	1.433E+03	-3.160E-01
172	4	7775.25	167.95	34.65	2	9.343E-06	1.402E-06	-1.571E-13	4.083E+03	1.716E+03	-8.664E+02	9.343E-06	1.402E-06	-1.978E-08	4.366E+03	1.433E+03	-3.160E-01
173	1	10146.75	-167.95	37.20	1	1.550E+00	-9.850E-01	5.038E-01	2.982E+03	7.744E+02	1.715E+03	1.646E+00	-1.082E+00	1.892E-01	3.917E+03	-1.611E+02	4.994E-01
173	1	10146.75	-167.95	37.20	2	-3.501E+00	1.006E+00	-1.541E+00	8.241E+02	6.865E+01	7.435E+02	1.482E+00	-3.977E+00	1.871E+00	1.280E+03	-3.876E+02	5.504E-01
173	2	10156.24	-178.45	37.20	1	-3.181E-02	2.227E+00	8.694E-01	2.580E+02	2.142E+03	1.393E+03	2.523E+00	-3.276E-01	1.243E+00	2.882E+03	-4.820E+02	1.083E+00
173	2	10156.24	-178.45	37.20	2	-2.306E-02	-3.890E+00	-1.648E+00	6.347E+02	1.540E+03	8.362E+02	5.837E-01	-4.497E+00	-3.529E-01	2.038E+03	1.364E+02	1.033E+00
173	3	10165.74	-167.95	37.20	1	-1.806E-01	-4.738E-01	1.800E+00	1.603E+03	4.795E+03	7.585E+02	1.479E+00	-2.133E+00	7.448E-01	4.966E+03	1.432E+03	1.349E+00
173	3	10165.74	-167.95	37.20	2	1.436E+00	-4.529E-01	-3.367E+00	1.302E+03	2.671E+03	8.324E+02	3.988E+00	-3.006E+00	-6.487E-01	3.064E+03	9.091E+02	1.129E+00
173	4	10156.24	-157.45	37.20	1	1.401E+00	-3.686E+00	1.434E+00	3.740E+03	4.197E+03	2.636E+03	1.777E+00	-4.063E+00	2.567E-01	6.615E+03	1.322E+03	8.286E-01
173	4	10156.24	-157.45	37.20	2	-2.042E+00	4.443E+00	-3.260E+00	1.209E+03	1.571E+03	7.495E+02	5.799E+00	-3.397E+00	1.965E+00	2.161E+03	6.191E+02	9.036E-01
174	1	10184.08	-167.95	37.20	1	1.561E+00	1.114E+01	3.765E+00	-5.563E+02	-1.851E+03	2.824E+02	1.244E+01	2.589E-01	1.238E+00	-4.974E+02	-1.910E+03	2.057E-01
174	1	10184.08	-167.95	37.20	2	-3.107E-02	-1.023E+01	-2.620E+00	-1.872E+02	2.682E+03	3.652E+02	6.027E-01	-1.087E+01	-2.373E-01	2.728E+03	-2.330E+02	1.446E+00
174	2	10211.25	-178.45	37.20	1	7.549E-02	1.040E+01	2.948E+00	-8.921E+01	-5.377E+03	4.739E+02	1.118E+01	-7.071E-01	1.311E+00	-4.707E+01	-5.419E+03	8.868E-02
174	2	10211.25	-178.45	37.20	2	-9.517E-02	-9.161E+00	-1.443E+00	-4.098E+02	-2.525E+03	-1.999E+02	1.289E-01	-9.385E+00	-1.541E-01	-3.911E+02	-2.544E+03	-9.338E-02
174	3	10238.41	-167.95	37.20	1	-2.042E+00	1.114E+01	2.130E+00	-1.269E+03	-9.079E+03	2.810E+02	1.147E+01	-2.378E+00	1.414E+00	-1.259E+03	-9.089E+03	3.592E-02
174	3	10238.41	-167.95	37.20	2	7.511E-01	-1.023E+01	-2.649E-01	-7.099E+02	-7.455E+03	-8.168E+01	7.575E-01	-1.024E+01	-2.410E-02	-7.089E+02	-7.456E+03	-1.211E-02
174	4	10211.25	-157.45	37.20	1	-5.562E-01	1.188E+01	2.947E+00	-1.242E+03	-5.553E+03	1.150E+03	1.254E+01	-1.219E+00	1.350E+00	-9.546E+02	-5.841E+03	2.451E-01
174	4	10211.25	-157.45	37.20	2	8.152E-01	-1.130E+01	-1.443E+00	-2.578E+02	-2.248E+03	6.363E+02	9.846E-01	-1.147E+01	-1.169E-01	-7.173E+01	-2.434E+03	2.845E-01
175	1	10265.58	-167.95	37.20	1	-2.043E+00	1.113E+01	-2.130E+00	-1.281E+03	-9.071E+03	2.536E+02	1.147E+01	-2.378E+00	1.727E+00	-1.273E+03	-9.080E+03	3.250E-02

175	1	10265.58	-167.95	37.20	2	7.505E-01	-1.024E+01	2.652E-01	-7.022E+02	-7.460E+03	-9.184E+01	7.569E-01	-1.024E+01	2.412E-02	-7.010E+02	-7.462E+03	-1.359E-02
175	2	10292.75	-178.45	37.20	1	8.217E-02	1.039E+01	-2.953E+00	-9.567E+01	-5.413E+03	-4.562E+02	1.117E+01	-7.042E-01	1.831E+00	-5.681E+01	-5.452E+03	-8.497E-02
175	2	10292.75	-178.45	37.20	2	-8.847E-02	-9.170E+00	1.437E+00	-4.145E+02	-2.505E+03	2.174E+02	1.335E-01	-9.392E+00	1.533E-01	-3.921E+02	-2.528E+03	1.025E-01
175	3	10319.91	-167.95	37.20	1	1.571E+00	1.114E+01	-3.776E+00	-5.756E+02	-1.931E+03	-2.603E+02	1.245E+01	2.600E-01	1.905E+00	-5.274E+02	-1.979E+03	-1.834E-01
175	3	10319.91	-167.95	37.20	2	-2.156E-02	-1.024E+01	2.609E+00	-1.930E+02	2.733E+03	-3.629E+02	6.063E-01	-1.086E+01	2.361E-01	2.777E+03	-2.373E+02	1.692E+00
175	4	10292.75	-157.45	37.20	1	-5.540E-01	1.188E+01	-2.953E+00	-1.261E+03	-5.589E+03	-1.125E+03	1.255E+01	-1.219E+00	1.792E+00	-9.865E+02	-5.863E+03	-2.397E-01
175	4	10292.75	-157.45	37.20	2	8.174E-01	-1.130E+01	1.437E+00	-2.525E+02	-2.222E+03	-6.196E+02	9.855E-01	-1.147E+01	1.164E-01	-7.375E+01	-2.401E+03	-2.808E-01
176	1	10338.25	-167.95	37.20	1	-1.722E-01	-4.850E-01	-1.781E+00	1.584E+03	4.787E+03	-7.573E+02	1.460E+00	-2.117E+00	-7.416E-01	4.957E+03	1.414E+03	1.792E+00
176	1	10338.25	-167.95	37.20	2	1.444E+00	-4.641E-01	3.386E+00	1.291E+03	2.635E+03	-8.140E+02	4.008E+00	-3.027E+00	6.480E-01	3.019E+03	9.079E+02	2.011E+00
176	2	10347.75	-178.45	37.20	1	-3.567E-02	2.208E+00	-8.587E-01	2.480E+02	2.123E+03	-1.390E+03	2.499E+00	-3.266E-01	1.897E+00	2.862E+03	-4.913E+02	2.060E+00
176	2	10347.75	-178.45	37.20	2	-2.694E-02	-3.910E+00	1.658E+00	6.393E+02	1.527E+03	-8.309E+02	5.850E-01	-4.522E+00	3.535E-01	2.025E+03	1.412E+02	2.111E+00
176	3	10357.25	-167.95	37.20	1	1.527E+00	-9.871E-01	-4.909E-01	3.000E+03	7.838E+02	-1.716E+03	1.620E+00	-1.080E+00	-1.861E-01	3.935E+03	-1.510E+02	-4.988E-01
176	3	10357.25	-167.95	37.20	2	-3.523E+00	1.004E+00	1.554E+00	8.062E+02	6.374E+01	-7.331E+02	1.486E+00	-4.005E+00	1.270E+00	1.257E+03	-3.868E+02	-5.510E-01
176	4	10347.75	-157.45	37.20	1	1.391E+00	-3.680E+00	-1.414E+00	3.749E+03	4.218E+03	-2.656E+03	1.758E+00	-4.048E+00	-2.543E-01	6.650E+03	1.317E+03	2.312E+00
176	4	10347.75	-157.45	37.20	2	-2.052E+00	4.449E+00	3.281E+00	1.180E+03	1.537E+03	-7.369E+02	5.817E+00	-3.420E+00	1.176E+00	2.117E+03	6.003E+02	2.237E+00
177	1	10156.24	-146.95	37.20	1	-4.461E+00	-3.765E+00	5.851E+00	3.741E+03	4.038E+03	-1.952E+03	1.749E+00	-9.975E+00	8.151E-01	5.847E+03	1.932E+03	2.318E+00
177	1	10156.24	-146.95	37.20	2	4.511E+00	-1.593E+00	-4.211E+00	9.382E+02	-6.828E+02	-1.938E+02	6.659E+00	-3.741E+00	-4.718E-01	9.611E+02	-7.057E+02	-1.173E-01
177	2	10165.74	-136.45	37.20	1	-1.270E+00	-6.003E+00	5.933E+00	5.713E+03	-3.443E+03	-2.482E+03	2.751E+00	-1.002E+01	5.957E-01	6.343E+03	-4.073E+03	-2.484E-01
177	2	10165.74	-136.45	37.20	2	1.858E+00	-1.378E+00	-4.972E+00	2.683E+03	-5.311E+03	2.864E+02	5.469E+00	-4.989E+00	-6.281E-01	2.693E+03	-5.322E+03	3.576E-02
177	3	10156.24	-125.95	37.20	1	9.878E-01	-5.085E+00	4.821E+00	2.006E+03	-1.328E+04	-8.258E+02	3.649E+00	-7.746E+00	5.044E-01	2.050E+03	-1.332E+04	-5.382E-02
177	3	10156.24	-125.95	37.20	2	-1.067E+00	-2.417E-01	-4.511E+00	2.127E+03	-1.066E+04	3.677E+02	3.876E+00	-5.185E+00	2.311E+00	2.137E+03	-1.067E+04	2.872E-02
177	4	10146.75	-136.45	37.20	1	-2.203E+00	-2.847E+00	4.739E+00	1.788E+02	-5.908E+03	-2.514E+03	2.225E+00	-7.275E+00	7.515E-01	1.083E+03	-6.812E+03	-3.452E-01
177	4	10146.75	-136.45	37.20	2	1.586E+00	-4.570E-01	-3.750E+00	8.800E+02	-6.414E+03	-8.715E+02	4.451E+00	-3.322E+00	-6.524E-01	9.827E+02	-6.516E+03	-1.173E-01
178	1	10211.25	-146.95	37.20	1	1.137E+01	-3.973E+00	2.123E+00	-5.883E+03	-3.154E+03	-1.285E+03	1.166E+01	-4.262E+00	1.350E-01	-2.644E+03	-6.393E+03	1.949E+00
178	1	10211.25	-146.95	37.20	2	-1.138E+01	3.275E-01	-3.525E+00	-2.501E+03	-1.408E+03	-1.269E+03	1.307E+00	-1.236E+01	1.842E+00	-5.729E+02	-3.336E+03	2.153E+00
178	2	10238.41	-136.45	37.20	1	7.925E+00	-3.926E-01	-1.667E+00	-8.682E+03	-7.059E+03	-4.685E+02	8.246E+00	-7.144E-01	-1.907E-01	-6.934E+03	-8.807E+03	1.833E+00
178	2	10238.41	-136.45	37.20	2	-7.990E+00	6.320E-01	1.982E-01	-7.274E+03	-7.345E+03	-8.409E+02	6.365E-01	-7.995E+00	1.548E+00	-6.468E+03	-8.152E+03	-7.642E-01
178	3	10211.25	-125.95	37.20	1	4.478E+00	-1.043E+00	2.122E+00	-4.957E+03	-7.503E+03	-2.079E+03	5.199E+00	-1.765E+00	3.277E-01	-3.793E+03	-8.668E+03	-5.107E-01
178	3	10211.25	-125.95	37.20	2	-4.606E+00	-2.551E+00	-3.525E+00	-3.898E+03	-1.069E+04	-1.941E+03	9.385E-02	-7.250E+00	2.214E+00	-3.383E+03	-1.121E+04	-2.596E-01
178	4	10184.08	-136.45	37.20	1	7.923E+00	-4.624E+00	5.913E+00	-2.159E+03	-5.641E+03	-3.273E+03	1.027E+01	-6.971E+00	3.779E-01	-1.932E+02	-7.607E+03	-5.410E-01
178	4	10184.08	-136.45	37.20	2	-7.992E+00	-2.855E+00	-7.248E+00	8.736E+02	-6.926E+03	-8.923E+02	2.267E+00	-1.311E+01	2.186E+00	9.744E+02	-7.027E+03	-1.125E-01
179	1	10292.75	-146.95	37.20	1	1.136E+01	-4.014E+00	-2.117E+00	-5.915E+03	-3.158E+03	1.263E+03	1.165E+01	-4.301E+00	-1.344E-01	-2.667E+03	-6.406E+03	1.200E+00
179	1	10292.75	-146.95	37.20	2	-1.138E+01	2.861E-01	3.531E+00	-2.469E+03	-1.359E+03	1.255E+03	1.271E+00	-1.237E+01	1.299E+00	-5.421E+02	-3.286E+03	9.935E-01
179	2	10319.91	-136.45	37.20	1	7.919E+00	-4.707E+00	-5.905E+00	-2.198E+03	-5.575E+03	3.283E+03	1.025E+01	-7.039E+00	-3.760E-01	-1.946E+02	-7.578E+03	5.480E-01
179	2	10319.91	-136.45	37.20	2	-7.995E+00	-2.939E+00	7.257E+00	9.229E+02	-6.892E+03	8.663E+02	2.217E+00	-1.315E+01	9.530E-01	1.018E+03	-6.987E+03	1.091E-01
179	3	10292.75	-125.95	37.20	1	4.476E+00	-1.086E+00	-2.117E+00	-4.963E+03	-7.446E+03	2.062E+03	5.190E+00	-1.800E+00	-3.253E-01	-3.798E+03	-8.611E+03	5.144E-01
179	3	10292.75	-125.95	37.20	2	-4.607E+00	-2.594E+00	3.531E+00	-3.886E+03	-1.070E+04	1.945E+03	7.152E-02	-7.273E+00	9.243E-01	-3.371E+03	-1.122E+04	2.592E-01
179	4	10265.58	-136.45	37.20	1	7.921E+00	-3.931E-01	1.671E+00	-8.681E+03	-7.064E+03	-4.484E+02	8.245E+00	-7.164E-01	1.911E-01	-6.948E+03	-8.797E+03	1.824E+00
179	4	10265.58	-136.45	37.20	2	-7.993E+00	6.315E-01	-1.945E-01	-7.280E+03	-7.338E+03	-8.342E+02	6.359E-01	-7.998E+00	1.593E+00	-6.474E+03	-8.143E+03	-7.680E-01
180	1	10347.75	-146.95	37.20	1	-4.463E+00	-3.830E+00	-5.874E+00	3.774E+03	4.128E+03	1.970E+03	1.736E+00	-1.003E+01	2.329E+00	5.929E+03	1.973E+03	8.302E-01
180	1	10347.75	-146.95	37.20	2	4.508E+00	-1.658E+00	4.188E+00	9.109E+02	-6.871E+02	1.815E+02	6.626E+00	-3.776E+00	4.681E-01	9.312E+02	-7.075E+02	1.117E-01
180	2	10357.25	-136.45	37.20	1	-2.209E+00	-2.895E+00	-4.756E+00	1.669E+02	-5.866E+03	2.522E+03	2.216E+00	-7.320E+00	-7.494E-01	1.082E+03	-6.781E+03	3.482E-01
180	2	10357.25	-136.45	37.20	2	1.579E+00	-5.049E-01	3.733E+00	8.825E+02	-6.382E+03	8.516E+02	4.413E+00	-3.339E+00	6.493E-01	9.810E+02	-6.481E+03	1.152E-01



180	3	10347.75	-125.95	37.20	1	9.872E-01	-5.150E+00	-4.832E+00	2.012E+03	-1.326E+04	8.301E+02	3.642E+00	-7.806E+00	-5.025E-01	2.057E+03	-1.331E+04	5.414E-02
180	3	10347.75	-125.95	37.20	2	-1.068E+00	-3.074E-01	4.500E+00	2.136E+03	-1.060E+04	-3.818E+02	3.829E+00	-5.204E+00	8.275E-01	2.148E+03	-1.061E+04	-2.995E-02
180	4	10338.25	-136.45	37.20	1	-1.267E+00	-6.085E+00	-5.950E+00	5.755E+03	-3.373E+03	2.500E+03	2.743E+00	-1.010E+01	-5.930E-01	6.395E+03	-4.013E+03	2.506E-01
180	4	10338.25	-136.45	37.20	2	1.862E+00	-1.461E+00	4.955E+00	2.660E+03	-5.280E+03	-3.217E+02	5.427E+00	-5.026E+00	6.237E-01	2.673E+03	-5.293E+03	-4.043E-02
181	1	10146.75	-60.35	37.20	1	-2.853E+00	7.414E-01	5.403E-01	-3.971E+04	-6.194E+02	-1.480E+03	8.209E-01	-2.933E+00	1.425E+00	-5.635E+02	-3.976E+04	1.609E+00
181	1	10146.75	-60.35	37.20	2	-3.987E-01	-6.378E-01	-5.482E-01	-4.034E+04	-4.028E+02	-4.337E+03	4.281E-02	-1.079E+00	-6.780E-01	6.272E+01	-4.080E+04	1.678E+00
181	2	10156.24	-100.58	37.20	1	-2.468E+00	1.380E+00	1.133E+00	-2.531E+04	-3.959E+03	1.919E+03	1.689E+00	-2.777E+00	1.305E+00	-3.788E+03	-2.548E+04	1.482E+00
181	2	10156.24	-100.58	37.20	2	-7.222E-01	-1.139E+00	-1.052E+00	-2.634E+04	-3.679E+03	-1.708E+03	1.417E-01	-2.003E+00	-6.876E-01	-3.551E+03	-2.647E+04	1.646E+00
181	3	10165.74	-60.35	37.20	1	-2.215E+00	4.543E-01	5.092E-01	-3.950E+04	-1.277E+03	2.300E+03	5.481E-01	-2.309E+00	1.389E+00	-1.140E+03	-3.964E+04	1.511E+00
181	3	10165.74	-60.35	37.20	2	-9.408E-01	-3.941E-01	-5.234E-01	-4.039E+04	-1.515E+03	-5.600E+02	-7.697E-02	-1.258E+00	2.116E+00	-1.507E+03	-4.040E+04	1.585E+00
181	4	10156.24	-20.12	37.20	1	-2.600E+00	-1.846E-01	-8.326E-02	-5.401E+04	9.607E+02	1.003E+03	-1.817E-01	-2.603E+00	1.605E+00	9.790E+02	-5.402E+04	1.553E+00
181	4	10156.24	-20.12	37.20	2	-6.173E-01	1.072E-01	-1.972E-02	-5.449E+04	6.412E+02	-2.041E+03	1.077E-01	-6.179E-01	1.598E+00	7.166E+02	-5.457E+04	1.608E+00
182	1	10184.08	-60.35	37.20	1	-1.967E+00	2.104E+00	6.380E-01	-4.071E+04	-5.220E+03	2.597E+03	2.202E+00	-2.065E+00	1.419E+00	-5.031E+03	-4.090E+04	1.498E+00
182	1	10184.08	-60.35	37.20	2	-1.188E+00	-2.041E+00	-2.964E-01	-4.117E+04	-2.602E+03	1.622E+02	-1.095E+00	-2.134E+00	-3.035E-01	-2.602E+03	-4.117E+04	1.567E+00
182	2	10211.25	-100.58	37.20	1	-2.185E+00	4.307E+00	9.411E-01	-1.966E+04	-1.838E+04	3.072E+03	4.440E+00	-2.319E+00	1.430E+00	-1.588E+04	-2.216E+04	8.880E-01
182	2	10211.25	-100.58	37.20	2	-4.089E-01	-4.285E+00	-2.710E-01	-2.001E+04	-1.356E+04	1.226E+03	-3.901E-01	-4.304E+00	-6.947E-02	-1.333E+04	-2.024E+04	1.389E+00
182	3	10238.41	-60.35	37.20	1	-1.708E+00	2.012E+00	1.107E+00	-3.856E+04	-2.200E+04	1.673E+03	2.316E+00	-2.013E+00	1.302E+00	-2.184E+04	-3.873E+04	1.471E+00
182	3	10238.41	-60.35	37.20	2	-2.725E-01	-2.369E+00	-7.303E-01	-3.979E+04	-2.026E+04	1.112E+03	-4.320E-02	-2.598E+00	-3.043E-01	-2.020E+04	-3.985E+04	1.514E+00
182	4	10211.25	-20.12	37.20	1	-1.490E+00	-1.904E-01	8.041E-01	-5.696E+04	-1.692E+04	2.489E+03	1.936E-01	-1.874E+00	1.125E+00	-1.677E+04	-5.711E+04	1.509E+00
182	4	10211.25	-20.12	37.20	2	-1.052E+00	-1.255E-01	-7.557E-01	-5.845E+04	-1.692E+04	1.224E+03	2.977E-01	-1.475E+00	2.081E+00	-1.689E+04	-5.848E+04	1.541E+00
183	1	10265.58	-60.35	37.20	1	-1.709E+00	2.006E+00	-1.109E+00	-3.856E+04	-2.202E+04	1.673E+03	2.312E+00	-2.015E+00	1.840E+00	-2.186E+04	-3.873E+04	1.471E+00
183	1	10265.58	-60.35	37.20	2	-2.734E-01	-2.374E+00	7.289E-01	-3.979E+04	-2.025E+04	1.122E+03	-4.529E-02	-2.602E+00	3.033E-01	-2.018E+04	-3.985E+04	1.514E+00
183	2	10292.75	-100.58	37.20	1	-2.206E+00	4.309E+00	-9.528E-01	-1.965E+04	-1.842E+04	-3.055E+03	4.445E+00	-2.342E+00	1.713E+00	-1.592E+04	-2.215E+04	2.257E+00
183	2	10292.75	-100.58	37.20	2	-4.294E-01	-4.283E+00	2.593E-01	-2.000E+04	-1.351E+04	-1.220E+03	-4.120E-01	-4.300E+00	6.690E-02	-1.329E+04	-2.022E+04	1.751E+00
183	3	10319.91	-60.35	37.20	1	-2.007E+00	2.113E+00	-6.393E-01	-4.069E+04	-5.239E+03	-2.613E+03	2.210E+00	-2.104E+00	1.721E+00	-5.048E+03	-4.088E+04	1.644E+00
183	3	10319.91	-60.35	37.20	2	-1.228E+00	-2.033E+00	2.951E-01	-4.116E+04	-2.571E+03	-1.536E+02	-1.131E+00	-2.130E+00	3.162E-01	-2.570E+03	-4.116E+04	1.575E+00
183	4	10292.75	-20.12	37.20	1	-1.511E+00	-1.898E-01	-7.951E-01	-5.695E+04	-1.692E+04	-2.492E+03	1.834E-01	-1.884E+00	2.010E+00	-1.676E+04	-5.710E+04	1.633E+00
183	4	10292.75	-20.12	37.20	2	-1.072E+00	-1.249E-01	7.646E-01	-5.845E+04	-1.692E+04	-1.223E+03	3.010E-01	-1.498E+00	1.063E+00	-1.688E+04	-5.849E+04	1.600E+00
184	1	10338.25	-60.35	37.20	1	-2.256E+00	4.538E-01	-5.054E-01	-3.948E+04	-1.277E+03	-2.314E+03	5.450E-01	-2.347E+00	1.749E+00	-1.138E+03	-3.962E+04	1.631E+00
184	1	10338.25	-60.35	37.20	2	-9.820E-01	-3.946E-01	5.273E-01	-4.039E+04	-1.516E+03	5.824E+02	-8.473E-02	-1.292E+00	1.039E+00	-1.508E+03	-4.040E+04	1.556E+00
184	2	10347.75	-100.58	37.20	1	-2.513E+00	1.383E+00	-1.137E+00	-2.527E+04	-3.967E+03	-1.945E+03	1.690E+00	-2.821E+00	1.835E+00	-3.791E+03	-2.545E+04	1.661E+00
184	2	10347.75	-100.58	37.20	2	-7.675E-01	-1.137E+00	1.048E+00	-2.633E+04	-3.671E+03	1.736E+03	1.117E-01	-2.016E+00	6.982E-01	-3.539E+03	-2.646E+04	1.495E+00
184	3	10357.25	-60.35	37.20	1	-2.903E+00	7.447E-01	-5.365E-01	-3.969E+04	-6.190E+02	1.468E+03	8.220E-01	-2.980E+00	1.714E+00	-5.639E+02	-3.974E+04	1.533E+00
184	3	10357.25	-60.35	37.20	2	-4.484E-01	-6.345E-01	5.520E-01	-4.033E+04	-3.961E+02	4.361E+03	1.837E-02	-1.101E+00	7.019E-01	7.471E+01	-4.080E+04	1.463E+00
184	4	10347.75	-20.12	37.20	1	-2.645E+00	-1.842E-01	9.515E-02	-5.400E+04	9.690E+02	-2.063E+03	-1.805E-01	-2.649E+00	1.532E+00	1.046E+03	-5.407E+04	1.608E+00
184	4	10347.75	-20.12	37.20	2	-6.628E-01	1.076E-01	3.167E-02	-5.449E+04	6.399E+02	1.022E+03	1.089E-01	-6.641E-01	1.530E+00	6.588E+02	-5.451E+04	1.552E+00
185	1	10146.75	60.35	37.20	1	-4.435E-01	-6.364E-01	5.484E-01	-4.031E+04	-4.022E+02	4.337E+03	1.683E-02	-1.097E+00	6.984E-01	6.376E+01	-4.078E+04	1.464E+00
185	1	10146.75	60.35	37.20	2	-2.809E+00	7.400E-01	-5.405E-01	-3.973E+04	-6.201E+02	1.479E+03	8.205E-01	-2.889E+00	1.719E+00	-5.642E+02	-3.979E+04	1.533E+00
185	2	10156.24	20.12	37.20	1	-6.616E-01	1.061E-01	2.130E-02	-5.447E+04	6.414E+02	1.003E+03	1.067E-01	-6.622E-01	1.543E+00	6.597E+02	-5.449E+04	1.553E+00
185	2	10156.24	20.12	37.20	2	-2.556E+00	-1.836E-01	8.168E-02	-5.403E+04	9.605E+02	-2.041E+03	-1.808E-01	-2.558E+00	1.536E+00	1.036E+03	-5.411E+04	1.608E+00
185	3	10165.74	60.35	37.20	1	-9.842E-01	-3.933E-01	5.237E-01	-4.037E+04	-1.515E+03	5.603E+02	-8.749E-02	-1.290E+00	1.042E+00	-1.507E+03	-4.038E+04	1.556E+00
185	3	10165.74	60.35	37.20	2	-2.171E+00	4.535E-01	-5.095E-01	-3.953E+04	-1.277E+03	-2.300E+03	5.489E-01	-2.267E+00	1.756E+00	-1.140E+03	-3.966E+04	1.631E+00
185	4	10156.24	100.58	37.20	1	-7.661E-01	-1.136E+00	1.051E+00	-2.632E+04	-3.678E+03	1.709E+03	1.159E-01	-2.018E+00	6.983E-01	-3.550E+03	-2.644E+04	1.496E+00

185	4	10156.24	100.58	37.20	2	-2.424E+00	1.377E+00	-1.132E+00	-2.533E+04	-3.960E+03	-1.920E+03	1.688E+00	-2.736E+00	1.839E+00	-3.789E+03	-2.550E+04	1.660E+00
186	1	10184.08	60.35	37.20	1	-1.231E+00	-2.040E+00	2.917E-01	-4.115E+04	-2.602E+03	-1.624E+02	-1.137E+00	-2.135E+00	3.124E-01	-2.601E+03	-4.115E+04	1.575E+00
186	1	10184.08	60.35	37.20	2	-1.924E+00	2.103E+00	-6.334E-01	-4.073E+04	-5.221E+03	-2.597E+03	2.201E+00	-2.021E+00	1.723E+00	-5.032E+03	-4.092E+04	1.643E+00
186	2	10211.25	20.12	37.20	1	-1.086E+00	-1.297E-01	7.551E-01	-5.842E+04	-1.692E+04	2.488E+03	2.859E-01	-1.502E+00	1.068E+00	-1.677E+04	-5.857E+04	1.511E+00
186	2	10211.25	20.12	37.20	2	-1.456E+00	-1.861E-01	-8.035E-01	-5.698E+04	-1.692E+04	1.225E+03	2.031E-01	-1.845E+00	2.022E+00	-1.688E+04	-5.702E+04	1.540E+00
186	3	10238.41	60.35	37.20	1	-2.994E-01	-2.374E+00	7.251E-01	-3.976E+04	-2.026E+04	-1.112E+03	-7.099E-02	-2.602E+00	3.051E-01	-2.020E+04	-3.983E+04	1.628E+00
186	3	10238.41	60.35	37.20	2	-1.681E+00	2.017E+00	-1.102E+00	-3.859E+04	-2.200E+04	-1.672E+03	2.320E+00	-1.985E+00	1.840E+00	-2.183E+04	-3.875E+04	1.670E+00
186	4	10211.25	100.58	37.20	1	-4.444E-01	-4.284E+00	2.617E-01	-1.999E+04	-1.356E+04	-1.226E+03	-4.266E-01	-4.302E+00	6.775E-02	-1.333E+04	-2.021E+04	1.753E+00
186	4	10211.25	100.58	37.20	2	-2.150E+00	4.306E+00	-9.319E-01	-1.968E+04	-1.838E+04	-3.072E+03	4.438E+00	-2.282E+00	1.711E+00	-1.589E+04	-2.217E+04	2.252E+00
187	1	10265.58	60.35	37.20	1	-3.002E-01	-2.379E+00	-7.237E-01	-3.976E+04	-2.025E+04	-1.122E+03	-7.308E-02	-2.606E+00	-3.041E-01	-2.019E+04	-3.983E+04	1.628E+00
187	1	10265.58	60.35	37.20	2	-1.682E+00	2.011E+00	1.103E+00	-3.859E+04	-2.202E+04	-1.672E+03	2.316E+00	-1.987E+00	1.301E+00	-2.185E+04	-3.876E+04	1.670E+00
187	2	10292.75	20.12	37.20	1	-1.106E+00	-1.292E-01	-7.641E-01	-5.843E+04	-1.692E+04	-2.492E+03	2.892E-01	-1.525E+00	2.072E+00	-1.677E+04	-5.858E+04	1.631E+00
187	2	10292.75	20.12	37.20	2	-1.476E+00	-1.855E-01	7.946E-01	-5.697E+04	-1.692E+04	-1.223E+03	1.928E-01	-1.854E+00	1.126E+00	-1.688E+04	-5.701E+04	1.601E+00
187	3	10319.91	60.35	37.20	1	-1.271E+00	-2.032E+00	-2.905E-01	-4.114E+04	-2.570E+03	1.538E+02	-1.173E+00	-2.130E+00	-3.259E-01	-2.569E+03	-4.114E+04	1.567E+00
187	3	10319.91	60.35	37.20	2	-1.964E+00	2.112E+00	6.347E-01	-4.072E+04	-5.240E+03	2.613E+03	2.208E+00	-2.060E+00	1.420E+00	-5.048E+03	-4.091E+04	1.498E+00
187	4	10292.75	100.58	37.20	1	-4.648E-01	-4.282E+00	-2.501E-01	-1.997E+04	-1.351E+04	1.220E+03	-4.484E-01	-4.299E+00	-6.515E-02	-1.329E+04	-2.019E+04	1.390E+00
187	4	10292.75	100.58	37.20	2	-2.170E+00	4.308E+00	9.436E-01	-1.968E+04	-1.842E+04	3.055E+03	4.443E+00	-2.305E+00	1.429E+00	-1.593E+04	-2.217E+04	8.864E-01
188	1	10338.25	60.35	37.20	1	-1.025E+00	-3.938E-01	-5.275E-01	-4.036E+04	-1.517E+03	-5.828E+02	-9.471E-02	-1.324E+00	2.087E+00	-1.508E+03	-4.037E+04	1.586E+00
188	1	10338.25	60.35	37.20	2	-2.213E+00	4.530E-01	5.056E-01	-3.950E+04	-1.277E+03	2.314E+03	5.457E-01	-2.305E+00	1.389E+00	-1.138E+03	-3.964E+04	1.511E+00
188	2	10347.75	20.12	37.20	1	-7.069E-01	1.065E-01	-3.320E-02	-5.446E+04	6.401E+02	-2.063E+03	1.079E-01	-7.083E-01	1.612E+00	7.173E+02	-5.454E+04	1.608E+00
188	2	10347.75	20.12	37.20	2	-2.601E+00	-1.832E-01	-9.362E-02	-5.402E+04	9.687E+02	1.022E+03	-1.796E-01	-2.605E+00	1.609E+00	9.877E+02	-5.404E+04	1.552E+00
188	3	10357.25	60.35	37.20	1	-4.930E-01	-6.331E-01	-5.522E-01	-4.030E+04	-3.954E+02	-4.362E+03	-6.430E-03	-1.120E+00	-7.223E-01	7.583E+01	-4.077E+04	1.678E+00
188	3	10357.25	60.35	37.20	2	-2.858E+00	7.433E-01	5.367E-01	-3.971E+04	-6.197E+02	-1.467E+03	8.216E-01	-2.937E+00	1.426E+00	-5.647E+02	-3.977E+04	1.608E+00
188	4	10347.75	100.58	37.20	1	-8.113E-01	-1.133E+00	-1.046E+00	-2.631E+04	-3.670E+03	-1.737E+03	8.649E-02	-2.031E+00	-7.090E-01	-3.537E+03	-2.644E+04	1.647E+00
188	4	10347.75	100.58	37.20	2	-2.470E+00	1.379E+00	1.136E+00	-2.530E+04	-3.968E+03	1.946E+03	1.690E+00	-2.780E+00	1.304E+00	-3.792E+03	-2.547E+04	1.481E+00
189	1	10156.24	125.95	37.20	1	-1.068E+00	-3.149E-01	4.507E+00	2.131E+03	-1.063E+04	-3.691E+02	3.831E+00	-5.214E+00	8.271E-01	2.142E+03	-1.064E+04	-2.888E-02
189	1	10156.24	125.95	37.20	2	9.889E-01	-5.012E+00	-4.816E+00	2.002E+03	-1.331E+04	8.271E+02	3.663E+00	-7.686E+00	-5.068E-01	2.046E+03	-1.335E+04	5.382E-02
189	2	10165.74	136.45	37.20	1	1.866E+00	-1.479E+00	4.959E+00	2.689E+03	-5.275E+03	-2.883E+02	5.427E+00	-5.040E+00	6.228E-01	2.700E+03	-5.286E+03	-3.614E-02
189	2	10165.74	136.45	37.20	2	-1.278E+00	-5.901E+00	-5.920E+00	5.707E+03	-3.479E+03	2.484E+03	2.765E+00	-9.945E+00	-5.993E-01	6.336E+03	-4.108E+03	2.479E-01
189	3	10156.24	146.95	37.20	1	4.511E+00	-1.666E+00	4.188E+00	9.408E+02	-6.538E+02	1.979E+02	6.626E+00	-3.782E+00	4.677E-01	9.650E+02	-6.780E+02	1.217E-01
189	3	10156.24	146.95	37.20	2	-4.462E+00	-3.691E+00	-5.829E+00	3.738E+03	4.009E+03	1.948E+03	1.765E+00	-9.918E+00	2.323E+00	5.826E+03	1.921E+03	8.201E-01
189	4	10146.75	136.45	37.20	1	1.577E+00	-5.025E-01	3.736E+00	8.765E+02	-6.388E+03	8.703E+02	4.416E+00	-3.341E+00	6.497E-01	9.793E+02	-6.490E+03	1.176E-01
189	4	10146.75	136.45	37.20	2	-2.194E+00	-2.802E+00	-4.725E+00	1.824E+02	-5.934E+03	2.515E+03	2.237E+00	-7.233E+00	-7.533E-01	1.084E+03	-6.835E+03	3.441E-01
190	1	10211.25	125.95	37.20	1	-4.608E+00	-2.600E+00	3.544E+00	-3.896E+03	-1.067E+04	1.940E+03	8.008E-02	-7.288E+00	9.234E-01	-3.380E+03	-1.119E+04	2.601E-01
190	1	10211.25	125.95	37.20	2	4.480E+00	-9.939E-01	-2.142E+00	-4.959E+03	-7.523E+03	2.080E+03	5.218E+00	-1.732E+00	-3.320E-01	-3.798E+03	-8.684E+03	5.092E-01
190	2	10238.41	136.45	37.20	1	-7.991E+00	6.352E-01	-1.783E-01	-7.274E+03	-7.333E+03	8.401E+02	6.389E-01	-7.995E+00	1.591E+00	-6.463E+03	-8.144E+03	7.678E-01
190	2	10238.41	136.45	37.20	2	7.925E+00	-3.959E-01	1.647E+00	-8.682E+03	-7.071E+03	4.694E+02	8.240E+00	-7.101E-01	1.885E-01	-6.944E+03	-8.808E+03	1.307E+00
190	3	10211.25	146.95	37.20	1	-1.138E+01	2.775E-01	3.544E+00	-2.498E+03	-1.387E+03	1.262E+03	1.271E+00	-1.237E+01	1.298E+00	-5.637E+02	-3.322E+03	9.927E-01
190	3	10211.25	146.95	37.20	2	1.137E+01	-3.923E+00	-2.142E+00	-5.885E+03	-3.175E+03	1.292E+03	1.166E+01	-4.218E+00	-1.366E-01	-2.657E+03	-6.403E+03	1.190E+00
190	4	10184.08	136.45	37.20	1	-7.993E+00	-2.958E+00	7.267E+00	8.783E+02	-6.890E+03	8.906E+02	2.215E+00	-1.317E+01	9.522E-01	9.791E+02	-6.991E+03	1.127E-01
190	4	10184.08	136.45	37.20	2	7.924E+00	-4.521E+00	-5.931E+00	-2.164E+03	-5.677E+03	3.275E+03	1.030E+01	-6.895E+00	-3.807E-01	-2.046E+02	-7.636E+03	5.393E-01
191	1	10292.75	125.95	37.20	1	-4.609E+00	-2.643E+00	-3.550E+00	-3.884E+03	-1.068E+04	-1.944E+03	5.801E-02	-7.310E+00	2.221E+00	-3.368E+03	-1.120E+04	-2.597E-01
191	1	10292.75	125.95	37.20	2	4.478E+00	-1.037E+00	2.136E+00	-4.965E+03	-7.466E+03	-2.063E+03	5.209E+00	-1.767E+00	3.295E-01	-3.803E+03	-8.628E+03	-5.129E-01

191	2	10319.91	136.45	37.20	1	-7.996E+00	-3.041E+00	-7.275E+00	9.277E+02	-6.855E+03	-8.645E+02	2.166E+00	-1.320E+01	2.192E+00	1.023E+03	-6.950E+03	-1.093E-01
191	2	10319.91	136.45	37.20	2	7.920E+00	-4.605E+00	5.923E+00	-2.203E+03	-5.611E+03	-3.285E+03	1.028E+01	-6.963E+00	3.788E-01	-2.064E+02	-7.608E+03	-5.462E-01
191	3	10292.75	146.95	37.20	1	-1.138E+01	2.363E-01	-3.550E+00	-2.466E+03	-1.338E+03	-1.256E+03	1.235E+00	-1.238E+01	1.845E+00	-5.256E+02	-3.279E+03	2.145E+00
191	3	10292.75	146.95	37.20	2	1.136E+01	-3.965E+00	2.136E+00	-5.918E+03	-3.179E+03	-1.262E+03	1.166E+01	-4.257E+00	1.359E-01	-2.686E+03	-6.411E+03	1.943E+00
191	4	10265.58	136.45	37.20	1	-7.994E+00	6.347E-01	1.746E-01	-7.280E+03	-7.325E+03	8.332E+02	6.382E-01	-7.998E+00	1.551E+00	-6.469E+03	-8.136E+03	7.716E-01
191	4	10265.58	136.45	37.20	2	7.922E+00	-3.964E-01	-1.651E+00	-8.681E+03	-7.076E+03	4.494E+02	8.238E+00	-7.121E-01	-1.890E-01	-6.959E+03	-8.798E+03	1.315E+00
192	1	10347.75	125.95	37.20	1	-1.069E+00	-3.802E-01	-4.496E+00	2.141E+03	-1.057E+04	3.833E+02	3.785E+00	-5.234E+00	2.318E+00	2.152E+03	-1.058E+04	3.012E-02
192	1	10347.75	125.95	37.20	2	9.883E-01	-5.077E+00	4.828E+00	2.007E+03	-1.329E+04	-8.316E+02	3.657E+00	-7.746E+00	5.049E-01	2.052E+03	-1.334E+04	-5.414E-02
192	2	10357.25	136.45	37.20	1	1.571E+00	-5.502E-01	-3.719E+00	8.789E+02	-6.356E+03	-8.504E+02	4.378E+00	-3.357E+00	-6.465E-01	9.775E+02	-6.454E+03	-1.155E-01
192	2	10357.25	136.45	37.20	2	-2.201E+00	-2.850E+00	4.742E+00	1.705E+02	-5.892E+03	-2.523E+03	2.228E+00	-7.278E+00	7.512E-01	1.083E+03	-6.805E+03	-3.470E-01
192	3	10347.75	146.95	37.20	1	4.509E+00	-1.731E+00	-4.166E+00	9.135E+02	-6.575E+02	-1.857E+02	6.593E+00	-3.816E+00	-4.640E-01	9.352E+02	-6.792E+02	-1.161E-01
192	3	10347.75	146.95	37.20	2	-4.464E+00	-3.757E+00	5.851E+00	3.772E+03	4.098E+03	-1.966E+03	1.752E+00	-9.972E+00	8.156E-01	5.907E+03	1.962E+03	2.315E+00
192	4	10338.25	136.45	37.20	1	1.870E+00	-1.561E+00	-4.942E+00	2.667E+03	-5.244E+03	3.238E+02	5.385E+00	-5.077E+00	-6.183E-01	2.680E+03	-5.257E+03	4.084E-02
192	4	10338.25	136.45	37.20	2	-1.275E+00	-5.984E+00	5.937E+00	5.749E+03	-3.409E+03	-2.503E+03	2.757E+00	-1.002E+01	5.966E-01	6.388E+03	-4.048E+03	-2.501E-01
193	1	10156.24	157.45	37.20	1	4.454E+00	-2.051E+00	-3.285E+00	1.568E+03	1.207E+03	7.537E+02	5.824E+00	-3.421E+00	-3.952E-01	2.162E+03	6.124E+02	6.681E-01
193	1	10156.24	157.45	37.20	2	-3.697E+00	1.410E+00	1.459E+00	4.200E+03	3.742E+03	2.632E+03	1.797E+00	-4.084E+00	1.311E+00	6.613E+03	1.329E+03	7.420E-01
193	2	10165.74	167.95	37.20	1	-4.656E-01	1.453E+00	-3.389E+00	2.661E+03	1.295E+03	8.345E+02	4.015E+00	-3.028E+00	2.218E+00	3.057E+03	8.998E+02	4.424E-01
193	2	10165.74	167.95	37.20	2	-4.610E-01	-1.977E-01	1.821E+00	4.804E+03	1.611E+03	7.565E+02	1.497E+00	-2.156E+00	8.215E-01	4.974E+03	1.440E+03	2.212E-01
193	3	10156.24	178.45	37.20	1	-3.913E+00	-2.386E-02	-1.658E+00	1.534E+03	6.329E+02	8.351E+02	5.872E-01	-4.524E+00	1.924E+00	2.032E+03	1.346E+02	5.380E-01
193	3	10156.24	178.45	37.20	2	2.250E+00	-3.101E-02	8.801E-01	2.148E+03	2.598E+02	1.395E+03	2.550E+00	-3.311E-01	3.286E-01	2.888E+03	-4.803E+02	4.879E-01
193	4	10146.75	167.95	37.20	1	1.006E+00	-3.527E+00	-1.555E+00	7.069E+01	8.266E+02	7.429E+02	1.488E+00	-4.009E+00	-3.006E-01	1.282E+03	-3.849E+02	1.021E+00
193	4	10146.75	167.95	37.20	2	-9.853E-01	1.576E+00	5.181E-01	7.724E+02	2.979E+03	1.715E+03	1.677E+00	-1.086E+00	1.379E+00	3.915E+03	-1.637E+02	1.071E+00
194	1	10211.25	157.45	37.20	1	-1.129E+01	8.188E-01	-1.422E+00	-2.249E+03	-2.573E+02	6.286E+02	9.835E-01	-1.146E+01	1.686E+00	-7.548E+01	-2.430E+03	1.289E+00
194	1	10211.25	157.45	37.20	2	1.187E+01	-5.598E-01	2.927E+00	-5.552E+03	-1.243E+03	1.158E+03	1.253E+01	-1.214E+00	2.200E-01	-9.514E+02	-5.844E+03	1.324E+00
194	2	10238.41	167.95	37.20	1	-1.022E+01	7.336E-01	-2.397E-01	-7.449E+03	-7.029E+02	-8.336E+01	7.389E-01	-1.022E+01	1.593E+00	-7.018E+02	-7.450E+03	1.583E+00
194	2	10238.41	167.95	37.20	2	1.113E+01	-2.025E+00	2.105E+00	-9.086E+03	-1.276E+03	2.827E+02	1.145E+01	-2.353E+00	1.549E-01	-1.266E+03	-9.096E+03	1.535E+00
194	3	10211.25	178.45	37.20	1	-9.145E+00	-9.533E-02	-1.422E+00	-2.525E+03	-4.087E+02	-2.037E+02	1.229E-01	-9.363E+00	1.723E+00	-3.893E+02	-2.545E+03	1.666E+00
194	3	10211.25	178.45	37.20	2	1.038E+01	7.566E-02	2.927E+00	-5.377E+03	-9.026E+01	4.777E+02	1.115E+01	-6.979E-01	2.584E-01	-4.744E+01	-5.420E+03	1.481E+00
194	4	10184.08	167.95	37.20	1	-1.022E+01	-1.020E-02	-2.605E+00	2.675E+03	-1.925E+02	3.624E+02	6.160E-01	-1.085E+01	1.807E+00	2.720E+03	-2.376E+02	1.238E-01
194	4	10184.08	167.95	37.20	2	1.113E+01	1.541E+00	3.749E+00	-1.844E+03	-5.511E+02	2.852E+02	1.242E+01	2.486E-01	3.319E-01	-4.909E+02	-1.904E+03	1.363E+00
195	1	10292.75	157.45	37.20	1	-1.129E+01	8.210E-01	1.417E+00	-2.223E+03	-2.521E+02	-6.116E+02	9.844E-01	-1.146E+01	1.456E+00	-7.769E+01	-2.397E+03	1.849E+00
195	1	10292.75	157.45	37.20	2	1.188E+01	-5.576E-01	-2.932E+00	-5.588E+03	-1.262E+03	-1.133E+03	1.253E+01	-1.214E+00	-2.204E-01	-9.832E+02	-5.867E+03	1.812E+00
195	2	10319.91	167.95	37.20	1	-1.022E+01	-7.243E-04	2.593E+00	2.725E+03	-1.984E+02	-3.599E+02	6.196E-01	-1.084E+01	1.336E+00	2.769E+03	-2.421E+02	-1.207E-01
195	2	10319.91	167.95	37.20	2	1.112E+01	1.550E+00	-3.760E+00	-1.923E+03	-5.702E+02	-2.632E+02	1.242E+01	2.497E-01	-3.329E-01	-5.208E+02	-1.973E+03	1.756E+00
195	3	10292.75	178.45	37.20	1	-9.154E+00	-8.866E-02	1.417E+00	-2.505E+03	-4.135E+02	2.215E+02	1.276E-01	-9.370E+00	1.419E+00	-3.903E+02	-2.528E+03	1.466E+00
195	3	10292.75	178.45	37.20	2	1.037E+01	8.236E-02	-2.933E+00	-5.413E+03	-9.665E+01	-4.603E+02	1.115E+01	-6.950E-01	-2.591E-01	-5.709E+01	-5.453E+03	1.657E+00
195	4	10265.58	167.95	37.20	1	-1.022E+01	7.330E-01	2.400E-01	-7.454E+03	-6.952E+02	-9.377E+01	7.383E-01	-1.023E+01	1.549E+00	-6.939E+02	-7.455E+03	1.585E+00
195	4	10265.58	167.95	37.20	2	1.112E+01	-2.025E+00	-2.105E+00	-9.078E+03	-1.288E+03	2.555E+02	1.145E+01	-2.354E+00	-1.549E-01	-1.280E+03	-9.087E+03	1.538E+00
196	1	10347.75	157.45	37.20	1	4.460E+00	-2.061E+00	3.306E+00	1.534E+03	1.178E+03	-7.412E+02	5.842E+00	-3.443E+00	3.962E-01	2.118E+03	5.935E+02	-6.675E-01
196	1	10347.75	157.45	37.20	2	-3.691E+00	1.400E+00	-1.439E+00	4.221E+03	3.751E+03	-2.652E+03	1.778E+00	-4.069E+00	1.828E+00	6.648E+03	1.324E+03	-7.412E-01
196	2	10357.25	167.95	37.20	1	1.004E+00	-3.550E+00	1.568E+00	6.581E+01	8.087E+02	-7.325E+02	1.491E+00	-4.037E+00	3.015E-01	1.259E+03	-3.841E+02	2.122E+00
196	2	10357.25	167.95	37.20	2	-9.874E-01	1.554E+00	-5.051E-01	7.817E+02	2.997E+03	-1.717E+03	1.651E+00	-1.084E+00	1.760E+00	3.933E+03	-1.537E+02	2.070E+00
196	3	10347.75	178.45	37.20	1	-3.932E+00	-2.772E-02	1.669E+00	1.521E+03	6.375E+02	-8.297E+02	5.885E-01	-4.549E+00	1.217E+00	2.019E+03	1.393E+02	-5.407E-01

196	3	10347.75	178.45	37.20	2	2.231E+00	-3.488E-02	-8.693E-01	2.129E+03	2.498E+02	-1.391E+03	2.526E+00	-3.300E-01	-3.273E-01	2.868E+03	-4.895E+02	-4.884E-01
196	4	10338.25	167.95	37.20	1	-4.768E-01	1.461E+00	3.407E+00	2.625E+03	1.284E+03	-8.162E+02	4.034E+00	-3.050E+00	9.240E-01	3.011E+03	8.983E+02	-4.415E-01
196	4	10338.25	167.95	37.20	2	-4.723E-01	-1.893E-01	-1.803E+00	4.797E+03	1.592E+03	-7.551E+02	1.478E+00	-2.139E+00	2.317E+00	4.966E+03	1.423E+03	-2.201E-01
197	1	12709.74	-167.95	39.75	1	2.136E-07	1.424E-06	3.955E-15	1.807E+03	3.463E+02	1.247E+03	1.424E-06	2.136E-07	1.571E+00	2.522E+03	-3.688E+02	5.205E-01
197	1	12709.74	-167.95	39.75	2	2.079E-07	1.386E-06	3.816E-15	1.807E+03	3.463E+02	1.247E+03	1.386E-06	2.079E-07	1.571E+00	2.522E+03	-3.688E+02	5.205E-01
197	2	12719.24	-178.45	39.75	1	-3.385E-15	-3.385E-15	-5.475E-07	5.099E+02	2.045E+03	1.153E+03	5.475E-07	-5.475E-07	-7.854E-01	2.663E+03	-1.079E+02	1.079E+00
197	2	12719.24	-178.45	39.75	2	-3.318E-15	-3.318E-15	-5.330E-07	5.099E+02	2.045E+03	1.153E+03	5.330E-07	-5.330E-07	-7.854E-01	2.663E+03	-1.079E+02	1.079E+00
197	3	12728.74	-167.95	39.75	1	-2.136E-07	-1.424E-06	2.456E-15	1.716E+03	4.083E+03	8.664E+02	-2.136E-07	-1.424E-06	2.030E-09	4.366E+03	1.433E+03	1.255E+00
197	3	12728.74	-167.95	39.75	2	-2.079E-07	-1.386E-06	2.595E-15	1.716E+03	4.083E+03	8.664E+02	-2.079E-07	-1.386E-06	2.203E-09	4.366E+03	1.433E+03	1.255E+00
197	4	12719.24	-157.45	39.75	1	-4.827E-15	-4.827E-15	5.475E-07	2.553E+03	2.988E+03	1.535E+03	5.475E-07	-5.475E-07	7.854E-01	4.320E+03	1.221E+03	8.559E-01
197	4	12719.24	-157.45	39.75	2	-4.957E-15	-4.957E-15	5.330E-07	2.553E+03	2.989E+03	1.535E+03	5.330E-07	-5.330E-07	7.854E-01	4.321E+03	1.221E+03	8.559E-01
198	1	12747.08	-167.95	39.75	1	7.468E-08	4.979E-07	-1.915E-15	-1.808E+02	6.767E+02	4.224E+02	4.979E-07	7.468E-08	1.571E+00	8.498E+02	-3.539E+02	1.182E+00
198	1	12747.08	-167.95	39.75	2	7.271E-08	4.847E-07	-1.915E-15	-1.808E+02	6.767E+02	4.224E+02	4.847E-07	7.271E-08	1.571E+00	8.498E+02	-3.539E+02	1.182E+00
198	2	12774.24	-178.45	39.75	1	5.468E-15	5.468E-15	-5.475E-07	-2.896E+02	-3.956E+03	2.745E+02	5.475E-07	-5.475E-07	-7.854E-01	-2.691E+02	-3.977E+03	7.432E-02
198	2	12774.24	-178.45	39.75	2	5.267E-15	5.267E-15	-5.330E-07	-2.896E+02	-3.957E+03	2.746E+02	5.330E-07	-5.330E-07	-7.854E-01	-2.691E+02	-3.977E+03	7.432E-02
198	3	12801.41	-167.95	39.75	1	-7.468E-08	-4.979E-07	-1.069E-15	-1.248E+03	-8.512E+03	1.568E+02	-7.468E-08	-4.979E-07	-2.525E-09	-1.245E+03	-8.516E+03	2.158E-02
198	3	12801.41	-167.95	39.75	2	-7.271E-08	-4.847E-07	-1.263E-15	-1.248E+03	-8.513E+03	1.569E+02	-7.271E-08	-4.847E-07	-3.065E-09	-1.245E+03	-8.516E+03	2.158E-02
198	4	12774.24	-157.45	39.75	1	2.658E-15	2.658E-15	5.475E-07	-7.686E+02	-3.879E+03	1.173E+03	5.475E-07	-5.475E-07	7.854E-01	-3.761E+02	-4.271E+03	3.230E-01
198	4	12774.24	-157.45	39.75	2	2.512E-15	2.512E-15	5.330E-07	-7.686E+02	-3.879E+03	1.173E+03	5.330E-07	-5.330E-07	7.854E-01	-3.761E+02	-4.272E+03	3.230E-01
199	1	12828.58	-167.95	39.75	1	7.468E-08	4.979E-07	-4.746E-15	-1.248E+03	-8.512E+03	1.568E+02	4.979E-07	7.468E-08	1.571E+00	-1.245E+03	-8.516E+03	2.158E-02
199	1	12828.58	-167.95	39.75	2	7.271E-08	4.847E-07	-4.524E-15	-1.248E+03	-8.513E+03	1.569E+02	4.847E-07	7.271E-08	1.571E+00	-1.245E+03	-8.516E+03	2.158E-02
199	2	12855.74	-178.45	39.75	1	-1.086E-15	-1.086E-15	-5.475E-07	-2.895E+02	-3.956E+03	-2.745E+02	5.475E-07	-5.475E-07	-7.854E-01	-2.691E+02	-3.977E+03	-7.432E-02
199	2	12855.74	-178.45	39.75	2	-1.086E-15	-1.086E-15	-5.330E-07	-2.896E+02	-3.957E+03	-2.746E+02	5.330E-07	-5.330E-07	-7.854E-01	-2.691E+02	-3.977E+03	-7.432E-02
199	3	12882.91	-167.95	39.75	1	-7.468E-08	-4.979E-07	-4.108E-15	-1.808E+02	6.767E+02	-4.224E+02	-7.468E-08	-4.979E-07	-9.707E-09	8.498E+02	-3.539E+02	1.960E+00
199	3	12882.91	-167.95	39.75	2	-7.271E-08	-4.847E-07	-3.775E-15	-1.808E+02	6.767E+02	-4.224E+02	-7.271E-08	-4.847E-07	-9.162E-09	8.498E+02	-3.539E+02	1.960E+00
199	4	12855.74	-157.45	39.75	1	-3.778E-15	-3.778E-15	5.475E-07	-7.686E+02	-3.879E+03	-1.173E+03	5.475E-07	-5.475E-07	7.854E-01	-3.761E+02	-4.271E+03	-3.230E-01
199	4	12855.74	-157.45	39.75	2	-3.917E-15	-3.917E-15	5.330E-07	-7.686E+02	-3.879E+03	-1.173E+03	5.330E-07	-5.330E-07	7.854E-01	-3.761E+02	-4.272E+03	-3.230E-01
200	1	12901.24	-167.95	39.75	1	2.136E-07	1.424E-06	2.442E-15	1.716E+03	4.083E+03	-8.664E+02	1.424E-06	2.136E-07	1.571E+00	4.366E+03	1.433E+03	1.887E+00
200	1	12901.24	-167.95	39.75	2	2.079E-07	1.386E-06	1.998E-15	1.716E+03	4.083E+03	-8.664E+02	1.386E-06	2.079E-07	1.571E+00	4.366E+03	1.433E+03	1.887E+00
200	2	12910.74	-178.45	39.75	1	-1.744E-14	-1.744E-14	-5.475E-07	5.099E+02	2.045E+03	-1.153E+03	5.475E-07	-5.475E-07	-7.854E-01	2.663E+03	-1.079E+02	2.063E+00
200	2	12910.74	-178.45	39.75	2	-1.674E-14	-1.674E-14	-5.330E-07	5.099E+02	2.045E+03	-1.153E+03	5.330E-07	-5.330E-07	-7.854E-01	2.663E+03	-1.079E+02	2.063E+00
200	3	12920.24	-167.95	39.75	1	-2.136E-07	-1.424E-06	-9.992E-15	1.807E+03	3.463E+02	-1.247E+03	-2.136E-07	-1.424E-06	-8.257E-09	2.522E+03	-3.688E+02	-5.205E-01
200	3	12920.24	-167.95	39.75	2	-2.079E-07	-1.386E-06	-9.548E-15	1.807E+03	3.463E+02	-1.247E+03	-2.079E-07	-1.386E-06	-8.104E-09	2.522E+03	-3.688E+02	-5.205E-01
200	4	12910.74	-157.45	39.75	1	2.637E-15	2.637E-15	5.475E-07	2.553E+03	2.988E+03	-1.535E+03	5.475E-07	-5.475E-07	7.854E-01	4.321E+03	1.221E+03	2.286E+00
200	4	12910.74	-157.45	39.75	2	2.193E-15	2.193E-15	5.330E-07	2.553E+03	2.989E+03	-1.535E+03	5.330E-07	-5.330E-07	7.854E-01	4.321E+03	1.221E+03	2.286E+00
201	1	12719.24	-146.95	39.75	1	9.836E-16	-2.523E-14	5.475E-07	2.242E+03	6.154E+02	-9.194E+02	5.475E-07	-5.475E-07	7.854E-01	2.656E+03	2.012E+02	-4.233E-01
201	1	12719.24	-146.95	39.75	2	7.373E-16	-2.517E-14	5.330E-07	2.242E+03	6.155E+02	-9.195E+02	5.330E-07	-5.330E-07	7.854E-01	2.656E+03	2.013E+02	-4.233E-01
201	2	12728.74	-136.45	39.75	1	-1.424E-06	-2.136E-07	1.499E-14	3.975E+03	-5.683E+03	-1.167E+03	-2.136E-07	-1.424E-06	1.571E+00	4.114E+03	-5.822E+03	-1.186E-01
201	2	12728.74	-136.45	39.75	2	-1.386E-06	-2.079E-07	1.465E-14	3.975E+03	-5.683E+03	-1.167E+03	-2.079E-07	-1.386E-06	1.571E+00	4.114E+03	-5.822E+03	-1.186E-01
201	3	12719.24	-125.95	39.75	1	-8.557E-15	-8.557E-15	-5.475E-07	1.910E+03	-1.304E+04	-2.771E+02	5.475E-07	-5.475E-07	-7.854E-01	1.915E+03	-1.305E+04	-1.853E-02
201	3	12719.24	-125.95	39.75	2	-8.526E-15	-8.526E-15	-5.330E-07	1.910E+03	-1.304E+04	-2.772E+02	5.330E-07	-5.330E-07	-7.854E-01	1.915E+03	-1.305E+04	-1.853E-02
201	4	12709.74	-136.45	39.75	1	1.424E-06	2.136E-07	1.174E-14	6.590E+02	-7.110E+03	-1.731E+03	1.424E-06	2.136E-07	9.701E-09	1.027E+03	-7.478E+03	-2.096E-01
201	4	12709.74	-136.45	39.75	2	1.386E-06	2.079E-07	1.135E-14	6.590E+02	-7.110E+03	-1.731E+03	1.386E-06	2.079E-07	9.635E-09	1.027E+03	-7.479E+03	-2.096E-01

202	1	12774.24	-146.95	39.75	1	8.438E-15	-9.104E-15	5.475E-07	-4.286E+03	-3.046E+03	-1.522E+03	5.475E-07	-5.475E-07	7.854E-01	-2.022E+03	-5.310E+03	2.163E+00
202	1	12774.24	-146.95	39.75	2	8.299E-15	-9.548E-15	5.330E-07	-4.286E+03	-3.046E+03	-1.522E+03	5.330E-07	-5.330E-07	7.854E-01	-2.022E+03	-5.310E+03	2.163E+00
202	2	12801.41	-136.45	39.75	1	-4.979E-07	-7.468E-08	1.443E-15	-7.972E+03	-7.642E+03	-6.831E+02	-7.468E-08	-4.979E-07	1.571E+00	-7.104E+03	-8.510E+03	2.237E+00
202	2	12801.41	-136.45	39.75	2	-4.847E-07	-7.271E-08	1.471E-15	-7.973E+03	-7.642E+03	-6.831E+02	-7.271E-08	-4.847E-07	1.571E+00	-7.105E+03	-8.510E+03	2.238E+00
202	3	12774.24	-125.95	39.75	1	-3.882E-15	-3.882E-15	-5.475E-07	-4.499E+03	-9.826E+03	-2.038E+03	5.475E-07	-5.475E-07	-7.854E-01	-3.809E+03	-1.052E+04	-3.266E-01
202	3	12774.24	-125.95	39.75	2	-4.208E-15	-4.208E-15	-5.330E-07	-4.500E+03	-9.826E+03	-2.038E+03	5.330E-07	-5.330E-07	-7.854E-01	-3.809E+03	-1.052E+04	-3.266E-01
202	4	12747.08	-136.45	39.75	1	4.979E-07	7.468E-08	1.082E-14	-8.146E+02	-7.590E+03	-2.141E+03	4.979E-07	7.468E-08	2.558E-08	-1.947E+02	-8.210E+03	-2.818E-01
202	4	12747.08	-136.45	39.75	2	4.847E-07	7.271E-08	1.057E-14	-8.147E+02	-7.591E+03	-2.141E+03	4.847E-07	7.271E-08	2.567E-08	-1.947E+02	-8.211E+03	-2.818E-01
203	1	12855.74	-146.95	39.75	1	-7.126E-15	-2.304E-15	5.475E-07	-4.286E+03	-3.046E+03	1.522E+03	5.475E-07	-5.475E-07	7.854E-01	-2.022E+03	-5.310E+03	9.789E-01
203	1	12855.74	-146.95	39.75	2	-6.793E-15	-2.970E-15	5.330E-07	-4.286E+03	-3.046E+03	1.522E+03	5.330E-07	-5.330E-07	7.854E-01	-2.022E+03	-5.310E+03	9.789E-01
203	2	12882.91	-136.45	39.75	1	-4.979E-07	-7.468E-08	1.771E-14	-8.146E+02	-7.590E+03	2.141E+03	-7.468E-08	-4.979E-07	1.571E+00	-1.947E+02	-8.210E+03	2.818E-01
203	2	12882.91	-136.45	39.75	2	-4.847E-07	-7.271E-08	1.733E-14	-8.147E+02	-7.591E+03	2.141E+03	-7.271E-08	-4.847E-07	1.571E+00	-1.947E+02	-8.211E+03	2.818E-01
203	3	12855.74	-125.95	39.75	1	3.750E-15	3.750E-15	-5.475E-07	-4.499E+03	-9.826E+03	2.038E+03	5.475E-07	-5.475E-07	-7.854E-01	-3.809E+03	-1.052E+04	3.266E-01
203	3	12855.74	-125.95	39.75	2	3.390E-15	3.390E-15	-5.330E-07	-4.500E+03	-9.826E+03	2.038E+03	5.330E-07	-5.330E-07	-7.854E-01	-3.809E+03	-1.052E+04	3.266E-01
203	4	12828.58	-136.45	39.75	1	4.979E-07	7.468E-08	3.046E-15	-7.972E+03	-7.642E+03	-6.831E+02	4.979E-07	7.468E-08	7.198E-09	-7.104E+03	-8.510E+03	2.238E+00
203	4	12828.58	-136.45	39.75	2	4.847E-07	7.271E-08	2.935E-15	-7.973E+03	-7.642E+03	-6.831E+02	4.847E-07	7.271E-08	7.124E-09	-7.105E+03	-8.510E+03	2.238E+00
204	1	12910.74	-146.95	39.75	1	5.607E-15	2.087E-14	5.475E-07	2.242E+03	6.154E+02	9.194E+02	5.475E-07	-5.475E-07	7.854E-01	2.656E+03	2.012E+02	4.233E-01
204	1	12910.74	-146.95	39.75	2	5.773E-15	2.043E-14	5.330E-07	2.242E+03	6.155E+02	9.194E+02	5.330E-07	-5.330E-07	7.854E-01	2.656E+03	2.013E+02	4.233E-01
204	2	12920.24	-136.45	39.75	1	-1.424E-06	-2.136E-07	1.055E-14	6.590E+02	-7.110E+03	1.731E+03	-2.136E-07	-1.424E-06	1.571E+00	1.027E+03	-7.478E+03	2.096E-01
204	2	12920.24	-136.45	39.75	2	-1.386E-06	-2.079E-07	1.033E-14	6.590E+02	-7.110E+03	1.731E+03	-2.079E-07	-1.386E-06	1.571E+00	1.027E+03	-7.479E+03	2.096E-01
204	3	12910.74	-125.95	39.75	1	4.129E-15	4.129E-15	-5.475E-07	1.910E+03	-1.304E+04	2.771E+02	5.475E-07	-5.475E-07	-7.854E-01	1.915E+03	-1.305E+04	1.853E-02
204	3	12910.74	-125.95	39.75	2	3.601E-15	3.601E-15	-5.330E-07	1.910E+03	-1.304E+04	2.772E+02	5.330E-07	-5.330E-07	-7.854E-01	1.915E+03	-1.305E+04	1.853E-02
204	4	12901.24	-136.45	39.75	1	1.424E-06	2.136E-07	1.973E-14	3.975E+03	-5.683E+03	1.167E+03	1.424E-06	2.136E-07	1.631E-08	4.114E+03	-5.822E+03	1.186E-01
204	4	12901.24	-136.45	39.75	2	1.386E-06	2.079E-07	1.973E-14	3.975E+03	-5.683E+03	1.167E+03	1.386E-06	2.079E-07	1.675E-08	4.114E+03	-5.822E+03	1.186E-01
205	1	12709.74	-60.35	39.75	1	1.068E-07	7.119E-07	-1.101E-14	-4.091E+04	-5.331E+02	-2.885E+03	7.119E-07	1.068E-07	1.571E+00	-3.280E+02	-4.111E+04	1.642E+00
205	1	12709.74	-60.35	39.75	2	1.040E-07	6.931E-07	-1.092E-14	-4.091E+04	-5.330E+02	-2.884E+03	6.931E-07	1.040E-07	1.571E+00	-3.280E+02	-4.111E+04	1.642E+00
205	2	12719.24	-100.58	39.75	1	-1.170E-14	-1.170E-14	-7.144E-08	-2.674E+04	-3.853E+03	1.367E+02	7.144E-08	-7.144E-08	-7.854E-01	-3.852E+03	-2.674E+04	1.565E+00
205	2	12719.24	-100.58	39.75	2	-1.158E-14	-1.158E-14	-6.955E-08	-2.674E+04	-3.852E+03	1.370E+02	6.955E-08	-6.955E-08	-7.854E-01	-3.852E+03	-2.674E+04	1.565E+00
205	3	12728.74	-60.35	39.75	1	-1.068E-07	-7.119E-07	-3.060E-15	-4.082E+04	-1.395E+03	8.797E+02	-1.068E-07	-7.119E-07	-5.057E-09	-1.375E+03	-4.084E+04	1.548E+00
205	3	12728.74	-60.35	39.75	2	-1.040E-07	-6.931E-07	-2.880E-15	-4.082E+04	-1.395E+03	8.801E+02	-1.040E-07	-6.931E-07	-4.888E-09	-1.375E+03	-4.084E+04	1.548E+00
205	4	12719.24	-20.12	39.75	1	-1.214E-14	-1.214E-14	7.144E-08	-5.510E+04	7.931E+02	5.148E+02	7.144E-08	-7.144E-08	7.854E-01	7.979E+02	-5.510E+04	1.562E+00
205	4	12719.24	-20.12	39.75	2	-1.202E-14	-1.202E-14	6.955E-08	-5.510E+04	7.929E+02	5.152E+02	6.955E-08	-6.955E-08	7.854E-01	7.977E+02	-5.510E+04	1.562E+00
206	1	12747.08	-60.35	39.75	1	3.734E-08	2.489E-07	1.915E-15	-4.182E+04	-3.927E+03	1.387E+03	2.489E-07	3.734E-08	1.571E+00	-3.876E+03	-4.187E+04	1.534E+00
206	1	12747.08	-60.35	39.75	2	3.635E-08	2.424E-07	2.248E-15	-4.182E+04	-3.926E+03	1.388E+03	2.424E-07	3.635E-08	1.571E+00	-3.875E+03	-4.187E+04	1.534E+00
206	2	12774.24	-100.58	39.75	1	-6.299E-15	-6.299E-15	-7.144E-08	-2.069E+04	-1.597E+04	2.144E+03	7.144E-08	-7.144E-08	-7.854E-01	-1.514E+04	-2.152E+04	1.203E+00
206	2	12774.24	-100.58	39.75	2	-6.493E-15	-6.493E-15	-6.955E-08	-2.069E+04	-1.597E+04	2.144E+03	6.955E-08	-6.955E-08	-7.854E-01	-1.514E+04	-2.152E+04	1.202E+00
206	3	12801.41	-60.35	39.75	1	-3.734E-08	-2.489E-07	-4.649E-16	-4.002E+04	-2.100E+04	1.408E+03	-3.734E-08	-2.489E-07	-2.197E-09	-2.090E+04	-4.013E+04	1.497E+00
206	3	12801.41	-60.35	39.75	2	-3.635E-08	-2.424E-07	-4.857E-17	-4.003E+04	-2.101E+04	1.408E+03	-3.635E-08	-2.424E-07	-2.358E-10	-2.090E+04	-4.013E+04	1.497E+00
206	4	12774.24	-20.12	39.75	1	-1.167E-15	-1.167E-15	7.144E-08	-5.854E+04	-1.690E+04	1.868E+03	7.144E-08	-7.144E-08	7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
206	4	12774.24	-20.12	39.75	2	-1.563E-15	-1.563E-15	6.955E-08	-5.855E+04	-1.690E+04	1.869E+03	6.955E-08	-6.955E-08	7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
207	1	12828.58	-60.35	39.75	1	3.734E-08	2.489E-07	-9.166E-15	-4.002E+04	-2.100E+04	1.408E+03	2.489E-07	3.734E-08	1.571E+00	-2.090E+04	-4.013E+04	1.497E+00
207	1	12828.58	-60.35	39.75	2	3.635E-08	2.424E-07	-9.333E-15	-4.003E+04	-2.101E+04	1.408E+03	2.424E-07	3.635E-08	1.571E+00	-2.090E+04	-4.013E+04	1.497E+00
207	2	12855.74	-100.58	39.75	1	2.691E-15	2.691E-15	-7.144E-08	-2.069E+04	-1.597E+04	-2.144E+03	7.144E-08	-7.144E-08	-7.854E-01	-1.514E+04	-2.152E+04	1.939E+00

207	2	12855.74	-100.58	39.75	2	2.525E-15	2.525E-15	-6.955E-08	-2.069E+04	-1.597E+04	-2.144E+03	6.955E-08	-6.955E-08	-7.854E-01	-1.514E+04	-2.152E+04	1.939E+00
207	3	12882.91	-60.35	39.75	1	-3.734E-08	-2.489E-07	-7.265E-15	-4.182E+04	-3.927E+03	-1.388E+03	-3.734E-08	-2.489E-07	-3.433E-08	-3.876E+03	-4.187E+04	1.607E+00
207	3	12882.91	-60.35	39.75	2	-3.635E-08	-2.424E-07	-7.432E-15	-4.182E+04	-3.926E+03	-1.388E+03	-3.635E-08	-2.424E-07	-3.607E-08	-3.875E+03	-4.187E+04	1.607E+00
207	4	12855.74	-20.12	39.75	1	-4.877E-15	-4.877E-15	7.144E-08	-5.854E+04	-1.690E+04	1.869E+03	7.144E-08	-7.144E-08	7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
207	4	12855.74	-20.12	39.75	2	-5.023E-15	-5.023E-15	6.955E-08	-5.855E+04	-1.690E+04	1.869E+03	6.955E-08	-6.955E-08	7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
208	1	12901.24	-60.35	39.75	1	1.068E-07	7.119E-07	3.664E-15	-4.082E+04	-1.395E+03	-8.798E+02	7.119E-07	1.068E-07	1.571E+00	-1.375E+03	-4.084E+04	1.593E+00
208	1	12901.24	-60.35	39.75	2	1.040E-07	6.931E-07	3.442E-15	-4.082E+04	-1.395E+03	-8.801E+02	6.931E-07	1.040E-07	1.571E+00	-1.375E+03	-4.084E+04	1.593E+00
208	2	12910.74	-100.58	39.75	1	5.412E-15	5.412E-15	-7.144E-08	-2.674E+04	-3.853E+03	-1.368E+02	7.144E-08	-7.144E-08	-7.854E-01	-3.852E+03	-2.674E+04	1.577E+00
208	2	12910.74	-100.58	39.75	2	5.301E-15	5.301E-15	-6.955E-08	-2.674E+04	-3.852E+03	-1.370E+02	6.955E-08	-6.955E-08	-7.854E-01	-3.852E+03	-2.674E+04	1.577E+00
208	3	12920.24	-60.35	39.75	1	-1.068E-07	-7.119E-07	-1.049E-14	-4.091E+04	-5.331E+02	2.885E+03	-1.068E-07	-7.119E-07	-1.734E-08	-3.280E+02	-4.111E+04	1.500E+00
208	3	12920.24	-60.35	39.75	2	-1.040E-07	-6.931E-07	-1.005E-14	-4.091E+04	-5.331E+02	2.884E+03	-1.040E-07	-6.931E-07	-1.706E-08	-3.280E+02	-4.111E+04	1.500E+00
208	4	12910.74	-20.12	39.75	1	1.112E-14	1.112E-14	7.144E-08	-5.510E+04	7.931E+02	5.152E+02	7.144E-08	-7.144E-08	7.854E-01	7.979E+02	-5.510E+04	1.562E+00
208	4	12910.74	-20.12	39.75	2	1.093E-14	1.093E-14	6.955E-08	-5.510E+04	7.929E+02	5.149E+02	6.955E-08	-6.955E-08	7.854E-01	7.977E+02	-5.510E+04	1.562E+00
209	1	12709.74	60.35	39.75	1	-1.068E-07	-7.119E-07	3.872E-15	-4.091E+04	-5.330E+02	2.884E+03	-1.068E-07	-7.119E-07	6.399E-09	-3.280E+02	-4.111E+04	1.500E+00
209	1	12709.74	60.35	39.75	2	-1.040E-07	-6.931E-07	3.678E-15	-4.091E+04	-5.331E+02	2.885E+03	-1.040E-07	-6.931E-07	6.243E-09	-3.280E+02	-4.111E+04	1.500E+00
209	2	12719.24	20.12	39.75	1	-4.028E-15	-4.028E-15	7.144E-08	-5.510E+04	7.929E+02	5.148E+02	7.144E-08	-7.144E-08	7.854E-01	7.977E+02	-5.510E+04	1.562E+00
209	2	12719.24	20.12	39.75	2	-3.913E-15	-3.913E-15	6.955E-08	-5.510E+04	7.931E+02	5.152E+02	6.955E-08	-6.955E-08	7.854E-01	7.979E+02	-5.510E+04	1.562E+00
209	3	12728.74	60.35	39.75	1	1.068E-07	7.119E-07	9.541E-15	-4.082E+04	-1.395E+03	-8.801E+02	7.119E-07	1.068E-07	1.571E+00	-1.375E+03	-4.084E+04	1.593E+00
209	3	12728.74	60.35	39.75	2	1.040E-07	6.931E-07	9.499E-15	-4.082E+04	-1.395E+03	-8.797E+02	6.931E-07	1.040E-07	1.571E+00	-1.375E+03	-4.084E+04	1.593E+00
209	4	12719.24	100.58	39.75	1	2.206E-15	2.206E-15	-7.144E-08	-2.674E+04	-3.852E+03	-1.370E+02	7.144E-08	-7.144E-08	-7.854E-01	-3.852E+03	-2.674E+04	1.577E+00
209	4	12719.24	100.58	39.75	2	2.027E-15	2.027E-15	-6.955E-08	-2.674E+04	-3.853E+03	-1.367E+02	6.955E-08	-6.955E-08	-7.854E-01	-3.852E+03	-2.674E+04	1.577E+00
210	1	12747.08	60.35	39.75	1	-3.734E-08	-2.489E-07	2.270E-14	-4.182E+04	-3.926E+03	-1.388E+03	-3.734E-08	-2.489E-07	1.073E-07	-3.875E+03	-4.187E+04	1.607E+00
210	1	12747.08	60.35	39.75	2	-3.635E-08	-2.424E-07	2.251E-14	-4.182E+04	-3.927E+03	-1.387E+03	-3.635E-08	-2.424E-07	1.093E-07	-3.876E+03	-4.187E+04	1.607E+00
210	2	12774.24	20.12	39.75	1	7.228E-15	7.228E-15	7.144E-08	-5.855E+04	-1.690E+04	1.868E+03	7.144E-08	-7.144E-08	7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
210	2	12774.24	20.12	39.75	2	7.523E-15	7.523E-15	6.955E-08	-5.854E+04	-1.690E+04	1.869E+03	6.955E-08	-6.955E-08	7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
210	3	12801.41	60.35	39.75	1	3.734E-08	2.489E-07	2.220E-14	-4.003E+04	-2.101E+04	1.408E+03	2.489E-07	3.734E-08	1.571E+00	-2.090E+04	-4.013E+04	1.497E+00
210	3	12801.41	60.35	39.75	2	3.635E-08	2.424E-07	2.212E-14	-4.002E+04	-2.100E+04	1.408E+03	2.424E-07	3.635E-08	1.571E+00	-2.090E+04	-4.013E+04	1.497E+00
210	4	12774.24	100.58	39.75	1	4.001E-15	4.001E-15	-7.144E-08	-2.069E+04	-1.597E+04	-2.144E+03	7.144E-08	-7.144E-08	-7.854E-01	-1.514E+04	-2.152E+04	1.939E+00
210	4	12774.24	100.58	39.75	2	4.123E-15	4.123E-15	-6.955E-08	-2.069E+04	-1.597E+04	-2.144E+03	6.955E-08	-6.955E-08	-7.854E-01	-1.514E+04	-2.152E+04	1.939E+00
211	1	12828.58	60.35	39.75	1	-3.734E-08	-2.489E-07	1.167E-14	-4.003E+04	-2.101E+04	1.408E+03	-3.734E-08	-2.489E-07	5.516E-08	-2.090E+04	-4.013E+04	1.497E+00
211	1	12828.58	60.35	39.75	2	-3.635E-08	-2.424E-07	1.106E-14	-4.002E+04	-2.100E+04	1.408E+03	-3.635E-08	-2.424E-07	5.369E-08	-2.090E+04	-4.013E+04	1.497E+00
211	2	12855.74	20.12	39.75	1	4.961E-16	4.961E-16	7.144E-08	-5.855E+04	-1.690E+04	1.869E+03	7.144E-08	-7.144E-08	7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
211	2	12855.74	20.12	39.75	2	1.148E-15	1.148E-15	6.955E-08	-5.854E+04	-1.690E+04	1.869E+03	6.955E-08	-6.955E-08	7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
211	3	12882.91	60.35	39.75	1	3.734E-08	2.489E-07	1.007E-14	-4.182E+04	-3.926E+03	1.388E+03	2.489E-07	3.734E-08	1.571E+00	-3.875E+03	-4.187E+04	1.534E+00
211	3	12882.91	60.35	39.75	2	3.635E-08	2.424E-07	9.347E-15	-4.182E+04	-3.927E+03	1.388E+03	2.424E-07	3.635E-08	1.571E+00	-3.876E+03	-4.187E+04	1.534E+00
211	4	12855.74	100.58	39.75	1	5.270E-15	5.270E-15	-7.144E-08	-2.069E+04	-1.597E+04	2.144E+03	7.144E-08	-7.144E-08	-7.854E-01	-1.514E+04	-2.152E+04	1.202E+00
211	4	12855.74	100.58	39.75	2	5.846E-15	5.846E-15	-6.955E-08	-2.069E+04	-1.597E+04	2.144E+03	6.955E-08	-6.955E-08	-7.854E-01	-1.514E+04	-2.152E+04	1.203E+00
212	1	12901.24	60.35	39.75	1	-1.068E-07	-7.119E-07	1.063E-14	-4.082E+04	-1.395E+03	8.801E+02	-1.068E-07	-7.119E-07	1.757E-08	-1.375E+03	-4.084E+04	1.548E+00
212	1	12901.24	60.35	39.75	2	-1.040E-07	-6.931E-07	1.019E-14	-4.082E+04	-1.395E+03	8.798E+02	-1.040E-07	-6.931E-07	1.729E-08	-1.375E+03	-4.084E+04	1.548E+00
212	2	12910.74	20.12	39.75	1	7.699E-15	7.699E-15	7.144E-08	-5.510E+04	7.929E+02	5.152E+02	7.144E-08	-7.144E-08	7.854E-01	7.977E+02	-5.510E+04	1.562E+00
212	2	12910.74	20.12	39.75	2	8.080E-15	8.080E-15	6.955E-08	-5.510E+04	7.931E+02	5.149E+02	6.955E-08	-6.955E-08	7.854E-01	7.979E+02	-5.510E+04	1.562E+00
212	3	12920.24	60.35	39.75	1	1.068E-07	7.119E-07	-4.718E-15	-4.091E+04	-5.331E+02	-2.884E+03	7.119E-07	1.068E-07	1.571E+00	-3.280E+02	-4.111E+04	1.642E+00
212	3	12920.24	60.35	39.75	2	1.040E-07	6.931E-07	-4.718E-15	-4.091E+04	-5.331E+02	-2.885E+03	6.931E-07	1.040E-07	1.571E+00	-3.280E+02	-4.111E+04	1.642E+00

212	4	12910.74	100.58	39.75	1	4.883E-15	4.883E-15	-7.144E-08	-2.674E+04	-3.852E+03	1.370E+02	7.144E-08	-7.144E-08	-7.854E-01	-3.852E+03	-2.674E+04	1.565E+00
212	4	12910.74	100.58	39.75	2	5.279E-15	5.279E-15	-6.955E-08	-2.674E+04	-3.853E+03	1.368E+02	6.955E-08	-6.955E-08	-7.854E-01	-3.852E+03	-2.674E+04	1.565E+00
213	1	12719.24	125.95	39.75	1	2.040E-14	2.112E-14	-5.475E-07	1.910E+03	-1.304E+04	2.772E+02	5.475E-07	-5.475E-07	-7.854E-01	1.915E+03	-1.305E+04	1.853E-02
213	1	12719.24	125.95	39.75	2	1.995E-14	2.084E-14	-5.330E-07	1.910E+03	-1.304E+04	2.771E+02	5.330E-07	-5.330E-07	-7.854E-01	1.915E+03	-1.305E+04	1.853E-02
213	2	12728.74	136.45	39.75	1	1.424E-06	2.136E-07	1.148E-14	3.975E+03	-5.683E+03	1.167E+03	1.424E-06	2.136E-07	9.489E-09	4.114E+03	-5.822E+03	1.186E-01
213	2	12728.74	136.45	39.75	2	1.386E-06	2.079E-07	1.105E-14	3.975E+03	-5.683E+03	1.167E+03	1.386E-06	2.079E-07	9.382E-09	4.114E+03	-5.822E+03	1.186E-01
213	3	12719.24	146.95	39.75	1	1.594E-14	1.594E-14	5.475E-07	2.242E+03	6.155E+02	9.195E+02	5.475E-07	-5.475E-07	7.854E-01	2.656E+03	2.013E+02	4.233E-01
213	3	12719.24	146.95	39.75	2	1.580E-14	1.580E-14	5.330E-07	2.242E+03	6.154E+02	9.194E+02	5.330E-07	-5.330E-07	7.854E-01	2.656E+03	2.012E+02	4.233E-01
213	4	12709.74	136.45	39.75	1	-1.424E-06	-2.136E-07	4.975E-15	6.590E+02	-7.110E+03	1.731E+03	-2.136E-07	-1.424E-06	1.571E+00	1.027E+03	-7.479E+03	2.096E-01
213	4	12709.74	136.45	39.75	2	-1.386E-06	-2.079E-07	4.406E-15	6.590E+02	-7.110E+03	1.731E+03	-2.079E-07	-1.386E-06	1.571E+00	1.027E+03	-7.478E+03	2.096E-01
214	1	12774.24	125.95	39.75	1	4.483E-15	-2.220E-15	-5.475E-07	-4.500E+03	-9.826E+03	2.038E+03	5.475E-07	-5.475E-07	-7.854E-01	-3.809E+03	-1.052E+04	3.266E-01
214	1	12774.24	125.95	39.75	2	4.066E-15	-1.665E-15	-5.330E-07	-4.499E+03	-9.826E+03	2.038E+03	5.330E-07	-5.330E-07	-7.854E-01	-3.809E+03	-1.052E+04	3.266E-01
214	2	12801.41	136.45	39.75	1	4.979E-07	7.468E-08	-1.090E-14	-7.973E+03	-7.642E+03	-6.831E+02	4.979E-07	7.468E-08	-2.576E-08	-7.105E+03	-8.510E+03	2.237E+00
214	2	12801.41	136.45	39.75	2	4.847E-07	7.271E-08	-1.087E-14	-7.972E+03	-7.642E+03	-6.831E+02	4.847E-07	7.271E-08	-2.639E-08	-7.104E+03	-8.510E+03	2.238E+00
214	3	12774.24	146.95	39.75	1	-1.856E-15	-1.856E-15	5.475E-07	-4.286E+03	-3.046E+03	1.522E+03	5.475E-07	-5.475E-07	7.854E-01	-2.022E+03	-5.310E+03	9.789E-01
214	3	12774.24	146.95	39.75	2	-1.842E-15	-1.842E-15	5.330E-07	-4.286E+03	-3.046E+03	1.522E+03	5.330E-07	-5.330E-07	7.854E-01	-2.022E+03	-5.310E+03	9.789E-01
214	4	12747.08	136.45	39.75	1	-4.979E-07	-7.468E-08	-8.396E-16	-8.147E+02	-7.591E+03	2.141E+03	-7.468E-08	-4.979E-07	1.571E+00	-1.947E+02	-8.211E+03	2.818E-01
214	4	12747.08	136.45	39.75	2	-4.847E-07	-7.271E-08	-7.008E-16	-8.146E+02	-7.590E+03	2.141E+03	-7.271E-08	-4.847E-07	1.571E+00	-1.947E+02	-8.210E+03	2.818E-01
215	1	12855.74	125.95	39.75	1	-2.984E-16	6.106E-15	-5.475E-07	-4.500E+03	-9.826E+03	-2.038E+03	5.475E-07	-5.475E-07	-7.854E-01	-3.809E+03	-1.052E+04	-3.266E-01
215	1	12855.74	125.95	39.75	2	-1.874E-16	6.772E-15	-5.330E-07	-4.499E+03	-9.826E+03	-2.038E+03	5.330E-07	-5.330E-07	-7.854E-01	-3.809E+03	-1.052E+04	-3.266E-01
215	2	12882.91	136.45	39.75	1	4.979E-07	7.468E-08	2.824E-15	-8.147E+02	-7.591E+03	-2.141E+03	4.979E-07	7.468E-08	6.673E-09	-1.947E+02	-8.211E+03	-2.818E-01
215	2	12882.91	136.45	39.75	2	4.847E-07	7.271E-08	2.158E-15	-8.146E+02	-7.590E+03	-2.141E+03	4.847E-07	7.271E-08	5.238E-09	-1.947E+02	-8.210E+03	-2.818E-01
215	3	12855.74	146.95	39.75	1	6.755E-15	6.755E-15	5.475E-07	-4.286E+03	-3.046E+03	-1.522E+03	5.475E-07	-5.475E-07	7.854E-01	-2.022E+03	-5.310E+03	2.163E+00
215	3	12855.74	146.95	39.75	2	7.005E-15	7.005E-15	5.330E-07	-4.286E+03	-3.046E+03	-1.522E+03	5.330E-07	-5.330E-07	7.854E-01	-2.022E+03	-5.310E+03	2.163E+00
215	4	12828.58	136.45	39.75	1	-4.979E-07	-7.468E-08	-3.601E-15	-7.973E+03	-7.642E+03	-6.831E+02	-7.468E-08	-4.979E-07	1.571E+00	-7.105E+03	-8.510E+03	2.237E+00
215	4	12828.58	136.45	39.75	2	-4.847E-07	-7.271E-08	-3.712E-15	-7.972E+03	-7.642E+03	-6.831E+02	-7.271E-08	-4.847E-07	1.571E+00	-7.104E+03	-8.510E+03	2.238E+00
216	1	12910.74	125.95	39.75	1	-7.924E-15	3.075E-14	-5.475E-07	1.910E+03	-1.304E+04	-2.772E+02	5.475E-07	-5.475E-07	-7.854E-01	1.915E+03	-1.305E+04	-1.853E-02
216	1	12910.74	125.95	39.75	2	-7.480E-15	3.120E-14	-5.330E-07	1.910E+03	-1.304E+04	-2.771E+02	5.330E-07	-5.330E-07	-7.854E-01	1.915E+03	-1.305E+04	-1.853E-02
216	2	12920.24	136.45	39.75	1	1.424E-06	2.136E-07	2.340E-14	6.590E+02	-7.110E+03	-1.731E+03	1.424E-06	2.136E-07	1.933E-08	1.027E+03	-7.479E+03	-2.096E-01
216	2	12920.24	136.45	39.75	2	1.386E-06	2.079E-07	2.318E-14	6.590E+02	-7.110E+03	-1.731E+03	1.386E-06	2.079E-07	1.967E-08	1.027E+03	-7.478E+03	-2.096E-01
216	3	12910.74	146.95	39.75	1	1.208E-14	1.208E-14	5.475E-07	2.242E+03	6.155E+02	-9.194E+02	5.475E-07	-5.475E-07	7.854E-01	2.656E+03	2.013E+02	-4.233E-01
216	3	12910.74	146.95	39.75	2	1.239E-14	1.239E-14	5.330E-07	2.242E+03	6.154E+02	-9.194E+02	5.330E-07	-5.330E-07	7.854E-01	2.656E+03	2.012E+02	-4.233E-01
216	4	12901.24	136.45	39.75	1	-1.424E-06	-2.136E-07	2.895E-14	3.975E+03	-5.683E+03	-1.167E+03	-2.136E-07	-1.424E-06	1.571E+00	4.114E+03	-5.822E+03	-1.186E-01
216	4	12901.24	136.45	39.75	2	-1.386E-06	-2.079E-07	2.828E-14	3.975E+03	-5.683E+03	-1.167E+03	-2.079E-07	-1.386E-06	1.571E+00	4.114E+03	-5.822E+03	-1.186E-01
217	1	12719.24	157.45	39.75	1	1.316E-14	1.300E-14	-5.475E-07	2.989E+03	2.553E+03	1.535E+03	5.475E-07	-5.475E-07	-7.854E-01	4.321E+03	1.221E+03	7.149E-01
217	1	12719.24	157.45	39.75	2	1.341E-14	1.298E-14	-5.330E-07	2.988E+03	2.553E+03	1.535E+03	5.330E-07	-5.330E-07	-7.854E-01	4.320E+03	1.221E+03	7.149E-01
217	2	12728.74	167.95	39.75	1	1.424E-06	2.136E-07	4.441E-15	4.083E+03	1.716E+03	8.664E+02	1.424E-06	2.136E-07	3.670E-09	4.366E+03	1.433E+03	3.160E-01
217	2	12728.74	167.95	39.75	2	1.386E-06	2.079E-07	4.219E-15	4.083E+03	1.716E+03	8.664E+02	1.386E-06	2.079E-07	3.581E-09	4.366E+03	1.433E+03	3.160E-01
217	3	12719.24	178.45	39.75	1	1.611E-14	1.611E-14	5.475E-07	2.045E+03	5.099E+02	1.153E+03	5.475E-07	-5.475E-07	7.854E-01	2.663E+03	-1.079E+02	4.918E-01
217	3	12719.24	178.45	39.75	2	1.602E-14	1.602E-14	5.330E-07	2.045E+03	5.099E+02	1.153E+03	5.330E-07	-5.330E-07	7.854E-01	2.663E+03	-1.079E+02	4.918E-01
217	4	12709.74	167.95	39.75	1	-1.424E-06	-2.136E-07	-4.996E-16	3.463E+02	1.807E+03	1.247E+03	-2.136E-07	-1.424E-06	1.571E+00	2.522E+03	-3.688E+02	1.050E+00
217	4	12709.74	167.95	39.75	2	-1.386E-06	-2.079E-07	-6.661E-16	3.463E+02	1.807E+03	1.247E+03	-2.079E-07	-1.386E-06	1.571E+00	2.522E+03	-3.688E+02	1.050E+00
218	1	12774.24	157.45	39.75	1	-4.809E-15	-1.887E-15	-5.475E-07	-3.879E+03	-7.686E+02	1.173E+03	5.475E-07	-5.475E-07	-7.854E-01	-3.761E+02	-4.272E+03	1.248E+00

218	1	12774.24	157.45	39.75	2	-5.267E-15	-1.776E-15	-5.330E-07	-3.879E+03	-7.686E+02	1.173E+03	5.330E-07	-5.330E-07	-7.854E-01	-3.761E+02	-4.271E+03	1.248E+00
218	2	12801.41	167.95	39.75	1	4.979E-07	7.468E-08	-9.576E-15	-8.513E+03	-1.248E+03	-1.568E+02	4.979E-07	7.468E-08	-2.263E-08	-1.245E+03	-8.516E+03	1.592E+00
218	2	12801.41	167.95	39.75	2	4.847E-07	7.271E-08	-9.409E-15	-8.512E+03	-1.248E+03	-1.569E+02	4.847E-07	7.271E-08	-2.284E-08	-1.245E+03	-8.516E+03	1.592E+00
218	3	12774.24	178.45	39.75	1	-8.295E-15	-8.295E-15	5.475E-07	-3.957E+03	-2.896E+02	2.746E+02	5.475E-07	-5.475E-07	7.854E-01	-2.691E+02	-3.977E+03	1.496E+00
218	3	12774.24	178.45	39.75	2	-8.483E-15	-8.483E-15	5.330E-07	-3.956E+03	-2.896E+02	2.745E+02	5.330E-07	-5.330E-07	7.854E-01	-2.691E+02	-3.977E+03	1.496E+00
218	4	12747.08	167.95	39.75	1	-4.979E-07	-7.468E-08	3.442E-15	6.767E+02	-1.808E+02	4.224E+02	-7.468E-08	-4.979E-07	1.571E+00	8.498E+02	-3.539E+02	3.890E-01
218	4	12747.08	167.95	39.75	2	-4.847E-07	-7.271E-08	3.497E-15	6.767E+02	-1.808E+02	4.224E+02	-7.271E-08	-4.847E-07	1.571E+00	8.498E+02	-3.539E+02	3.889E-01
219	1	12855.74	157.45	39.75	1	3.497E-15	-4.302E-15	-5.475E-07	-3.879E+03	-7.686E+02	-1.173E+03	5.475E-07	-5.475E-07	-7.854E-01	-3.761E+02	-4.272E+03	1.894E+00
219	1	12855.74	157.45	39.75	2	3.053E-15	-3.858E-15	-5.330E-07	-3.879E+03	-7.686E+02	-1.173E+03	5.330E-07	-5.330E-07	-7.854E-01	-3.761E+02	-4.271E+03	1.894E+00
219	2	12882.91	167.95	39.75	1	4.979E-07	7.468E-08	-5.260E-15	6.767E+02	-1.808E+02	-4.224E+02	4.979E-07	7.468E-08	-1.243E-08	8.498E+02	-3.539E+02	-3.890E-01
219	2	12882.91	167.95	39.75	2	4.847E-07	7.271E-08	-5.704E-15	6.767E+02	-1.808E+02	-4.224E+02	4.847E-07	7.271E-08	-1.384E-08	8.498E+02	-3.539E+02	-3.890E-01
219	3	12855.74	178.45	39.75	1	-2.255E-16	-2.255E-16	5.475E-07	-3.957E+03	-2.896E+02	-2.746E+02	5.475E-07	-5.475E-07	7.854E-01	-2.691E+02	-3.977E+03	1.645E+00
219	3	12855.74	178.45	39.75	2	-5.308E-16	-5.308E-16	5.330E-07	-3.956E+03	-2.895E+02	-2.745E+02	5.330E-07	-5.330E-07	7.854E-01	-2.691E+02	-3.977E+03	1.645E+00
219	4	12828.58	167.95	39.75	1	-4.979E-07	-7.468E-08	1.513E-15	-8.513E+03	-1.248E+03	-1.568E+02	-7.468E-08	-4.979E-07	1.571E+00	-1.245E+03	-8.516E+03	1.592E+00
219	4	12828.58	167.95	39.75	2	-4.847E-07	-7.271E-08	1.457E-15	-8.512E+03	-1.248E+03	-1.569E+02	-7.271E-08	-4.847E-07	1.571E+00	-1.245E+03	-8.516E+03	1.592E+00
220	1	12910.74	157.45	39.75	1	5.426E-15	1.599E-14	-5.475E-07	2.989E+03	2.553E+03	-1.535E+03	5.475E-07	-5.475E-07	-7.854E-01	4.321E+03	1.221E+03	-7.149E-01
220	1	12910.74	157.45	39.75	2	5.093E-15	1.643E-14	-5.330E-07	2.988E+03	2.553E+03	-1.535E+03	5.330E-07	-5.330E-07	-7.854E-01	4.321E+03	1.221E+03	-7.149E-01
220	2	12920.24	167.95	39.75	1	1.424E-06	2.136E-07	2.787E-14	3.463E+02	1.807E+03	-1.247E+03	1.424E-06	2.136E-07	2.303E-08	2.522E+03	-3.688E+02	2.091E+00
220	2	12920.24	167.95	39.75	2	1.386E-06	2.079E-07	2.787E-14	3.463E+02	1.807E+03	-1.247E+03	1.386E-06	2.079E-07	2.365E-08	2.522E+03	-3.688E+02	2.091E+00
220	3	12910.74	178.45	39.75	1	2.139E-14	2.139E-14	5.475E-07	2.045E+03	5.099E+02	-1.153E+03	5.475E-07	-5.475E-07	7.854E-01	2.663E+03	-1.079E+02	-4.918E-01
220	3	12910.74	178.45	39.75	2	2.080E-14	2.080E-14	5.330E-07	2.045E+03	5.099E+02	-1.153E+03	5.330E-07	-5.330E-07	7.854E-01	2.663E+03	-1.079E+02	-4.918E-01
220	4	12901.24	167.95	39.75	1	-1.424E-06	-2.136E-07	2.234E-14	4.083E+03	1.716E+03	-8.664E+02	-2.136E-07	-1.424E-06	1.571E+00	4.366E+03	1.433E+03	-3.160E-01
220	4	12901.24	167.95	39.75	2	-1.386E-06	-2.079E-07	2.234E-14	4.083E+03	1.716E+03	-8.664E+02	-2.079E-07	-1.386E-06	1.571E+00	4.366E+03	1.433E+03	-3.160E-01
221	1	15272.74	-167.95	42.30	1	1.550E+00	-9.847E-01	5.038E-01	2.982E+03	7.744E+02	1.715E+03	1.646E+00	-1.081E+00	1.892E-01	3.917E+03	-1.611E+02	4.994E-01
221	1	15272.74	-167.95	42.30	2	-3.501E+00	1.005E+00	-1.541E+00	8.241E+02	6.866E+01	7.435E+02	1.482E+00	-3.977E+00	1.871E+00	1.280E+03	-3.875E+02	5.504E-01
221	2	15282.24	-178.45	42.30	1	-3.181E-02	2.227E+00	8.692E-01	2.580E+02	2.142E+03	1.393E+03	2.523E+00	-3.275E-01	1.243E+00	2.882E+03	-4.820E+02	1.083E+00
221	2	15282.24	-178.45	42.30	2	-2.306E-02	-3.890E+00	-1.648E+00	6.347E+02	1.540E+03	8.362E+02	5.836E-01	-4.497E+00	-3.528E-01	2.038E+03	1.364E+02	1.033E+00
221	3	15291.74	-167.95	42.30	1	-1.806E-01	-4.741E-01	1.800E+00	1.603E+03	4.795E+03	7.585E+02	1.479E+00	-2.133E+00	7.447E-01	4.966E+03	1.432E+03	1.349E+00
221	3	15291.74	-167.95	42.30	2	1.436E+00	-4.525E-01	-3.367E+00	1.302E+03	2.671E+03	8.324E+02	3.989E+00	-3.005E+00	-6.487E-01	3.064E+03	9.091E+02	1.129E+00
221	4	15282.24	-157.45	42.30	1	1.401E+00	-3.686E+00	1.435E+00	3.740E+03	4.197E+03	2.636E+03	1.777E+00	-4.063E+00	2.568E-01	6.615E+03	1.322E+03	8.286E-01
221	4	15282.24	-157.45	42.30	2	-2.042E+00	4.443E+00	-3.260E+00	1.209E+03	1.571E+03	7.495E+02	5.799E+00	-3.397E+00	1.965E+00	2.161E+03	6.191E+02	9.036E-01
222	1	15310.08	-167.95	42.30	1	1.561E+00	1.114E+01	3.765E+00	-5.563E+02	-1.851E+03	2.824E+02	1.244E+01	2.589E-01	1.238E+00	-4.974E+02	-1.910E+03	2.057E-01
222	1	15310.08	-167.95	42.30	2	-3.109E-02	-1.023E+01	-2.620E+00	-1.872E+02	2.682E+03	3.652E+02	6.027E-01	-1.087E+01	-2.373E-01	2.728E+03	-2.330E+02	1.446E+00
222	2	15337.24	-178.45	42.30	1	7.549E-02	1.040E+01	2.948E+00	-8.921E+01	-5.377E+03	4.739E+02	1.118E+01	-7.070E-01	1.311E+00	-4.708E+01	-5.419E+03	8.868E-02
222	2	15337.24	-178.45	42.30	2	-9.517E-02	-9.161E+00	-1.443E+00	-4.098E+02	-2.525E+03	-1.999E+02	1.288E-01	-9.385E+00	-1.541E-01	-3.911E+02	-2.544E+03	-9.338E-02
222	3	15364.41	-167.95	42.30	1	-2.042E+00	1.114E+01	2.130E+00	-1.269E+03	-9.079E+03	2.810E+02	1.147E+01	-2.378E+00	1.414E+00	-1.259E+03	-9.089E+03	3.592E-02
222	3	15364.41	-167.95	42.30	2	7.512E-01	-1.023E+01	-2.649E-01	-7.099E+02	-7.455E+03	-8.168E+01	7.575E-01	-1.024E+01	-2.410E-02	-7.089E+02	-7.456E+03	-1.211E-02
222	4	15337.24	-157.45	42.30	1	-5.562E-01	1.188E+01	2.947E+00	-1.242E+03	-5.553E+03	1.150E+03	1.254E+01	-1.219E+00	1.350E+00	-9.546E+02	-5.841E+03	2.451E-01
222	4	15337.24	-157.45	42.30	2	8.152E-01	-1.130E+01	-1.443E+00	-2.578E+02	-2.248E+03	6.364E+02	9.846E-01	-1.147E+01	-1.169E-01	-7.172E+01	-2.434E+03	2.845E-01
223	1	15391.58	-167.95	42.30	1	-2.043E+00	1.113E+01	-2.130E+00	-1.281E+03	-9.071E+03	2.536E+02	1.147E+01	-2.378E+00	1.727E+00	-1.273E+03	-9.080E+03	3.250E-02
223	1	15391.58	-167.95	42.30	2	7.505E-01	-1.024E+01	2.652E-01	-7.022E+02	-7.460E+03	-9.184E+01	7.569E-01	-1.024E+01	2.412E-02	-7.010E+02	-7.462E+03	-1.359E-02
223	2	15418.74	-178.45	42.30	1	8.217E-02	1.039E+01	-2.953E+00	-9.568E+01	-5.413E+03	-4.562E+02	1.117E+01	-7.043E-01	1.831E+00	-5.681E+01	-5.452E+03	-8.497E-02
223	2	15418.74	-178.45	42.30	2	-8.847E-02	-9.170E+00	1.437E+00	-4.145E+02	-2.505E+03	2.174E+02	1.336E-01	-9.393E+00	1.533E-01	-3.921E+02	-2.528E+03	1.025E-01



223	3	15445.91	-167.95	42.30	1	1.571E+00	1.114E+01	-3.776E+00	-5.756E+02	-1.931E+03	-2.603E+02	1.245E+01	2.599E-01	1.905E+00	-5.274E+02	-1.979E+03	-1.834E-01
223	3	15445.91	-167.95	42.30	2	-2.154E-02	-1.024E+01	2.609E+00	-1.930E+02	2.733E+03	-3.629E+02	6.063E-01	-1.086E+01	2.362E-01	2.777E+03	-2.373E+02	1.692E+00
223	4	15418.74	-157.45	42.30	1	-5.540E-01	1.188E+01	-2.952E+00	-1.261E+03	-5.589E+03	-1.125E+03	1.255E+01	-1.219E+00	1.792E+00	-9.865E+02	-5.863E+03	-2.397E-01
223	4	15418.74	-157.45	42.30	2	8.174E-01	-1.130E+01	1.437E+00	-2.524E+02	-2.222E+03	-6.196E+02	9.855E-01	-1.147E+01	1.164E-01	-7.374E+01	-2.401E+03	-2.808E-01
224	1	15464.24	-167.95	42.30	1	-1.721E-01	-4.846E-01	-1.781E+00	1.584E+03	4.787E+03	-7.573E+02	1.460E+00	-2.117E+00	-7.417E-01	4.957E+03	1.414E+03	1.792E+00
224	1	15464.24	-167.95	42.30	2	1.444E+00	-4.645E-01	3.386E+00	1.291E+03	2.635E+03	-8.140E+02	4.007E+00	-3.028E+00	6.480E-01	3.019E+03	9.079E+02	2.011E+00
224	2	15473.74	-178.45	42.30	1	-3.567E-02	2.208E+00	-8.588E-01	2.480E+02	2.123E+03	-1.390E+03	2.499E+00	-3.266E-01	1.897E+00	2.862E+03	-4.913E+02	2.060E+00
224	2	15473.74	-178.45	42.30	2	-2.694E-02	-3.910E+00	1.659E+00	6.393E+02	1.527E+03	-8.309E+02	5.850E-01	-4.522E+00	3.535E-01	2.025E+03	1.412E+02	2.111E+00
224	3	15483.24	-167.95	42.30	1	1.527E+00	-9.875E-01	-4.909E-01	3.000E+03	7.838E+02	-1.716E+03	1.620E+00	-1.080E+00	-1.861E-01	3.935E+03	-1.510E+02	-4.988E-01
224	3	15483.24	-167.95	42.30	2	-3.523E+00	1.004E+00	1.554E+00	8.062E+02	6.375E+01	-7.331E+02	1.486E+00	-4.005E+00	1.270E+00	1.257E+03	-3.868E+02	-5.510E-01
224	4	15473.74	-157.45	42.30	1	1.391E+00	-3.680E+00	-1.414E+00	3.749E+03	4.218E+03	-2.656E+03	1.758E+00	-4.048E+00	-2.543E-01	6.650E+03	1.317E+03	2.312E+00
224	4	15473.74	-157.45	42.30	2	-2.052E+00	4.449E+00	3.281E+00	1.180E+03	1.537E+03	-7.369E+02	5.817E+00	-3.420E+00	1.176E+00	2.117E+03	6.003E+02	2.237E+00
225	1	15282.24	-146.95	42.30	1	-4.461E+00	-3.765E+00	5.851E+00	3.741E+03	4.038E+03	-1.952E+03	1.749E+00	-9.975E+00	8.151E-01	5.847E+03	1.932E+03	2.318E+00
225	1	15282.24	-146.95	42.30	2	4.511E+00	-1.593E+00	-4.211E+00	9.382E+02	-6.828E+02	-1.938E+02	6.659E+00	-3.742E+00	-4.718E-01	9.611E+02	-7.057E+02	-1.173E-01
225	2	15291.74	-136.45	42.30	1	-1.271E+00	-6.003E+00	5.933E+00	5.713E+03	-3.443E+03	-2.482E+03	2.751E+00	-1.002E+01	5.957E-01	6.343E+03	-4.073E+03	-2.484E-01
225	2	15291.74	-136.45	42.30	2	1.858E+00	-1.378E+00	-4.972E+00	2.683E+03	-5.311E+03	2.864E+02	5.469E+00	-4.989E+00	-6.281E-01	2.693E+03	-5.322E+03	3.576E-02
225	3	15282.24	-125.95	42.30	1	9.878E-01	-5.085E+00	4.821E+00	2.006E+03	-1.328E+04	-8.258E+02	3.649E+00	-7.746E+00	5.043E-01	2.050E+03	-1.332E+04	-5.382E-02
225	3	15282.24	-125.95	42.30	2	-1.067E+00	-2.417E-01	-4.511E+00	2.127E+03	-1.066E+04	3.677E+02	3.876E+00	-5.184E+00	2.311E+00	2.137E+03	-1.067E+04	2.872E-02
225	4	15272.74	-136.45	42.30	1	-2.202E+00	-2.847E+00	4.739E+00	1.788E+02	-5.908E+03	-2.514E+03	2.225E+00	-7.275E+00	7.514E-01	1.083E+03	-6.812E+03	-3.452E-01
225	4	15272.74	-136.45	42.30	2	1.585E+00	-4.571E-01	-3.750E+00	8.801E+02	-6.414E+03	-8.715E+02	4.451E+00	-3.322E+00	-6.524E-01	9.827E+02	-6.516E+03	-1.173E-01
226	1	15337.24	-146.95	42.30	1	1.137E+01	-3.973E+00	2.123E+00	-5.883E+03	-3.154E+03	-1.285E+03	1.166E+01	-4.262E+00	1.350E-01	-2.644E+03	-6.393E+03	1.949E+00
226	1	15337.24	-146.95	42.30	2	-1.138E+01	3.275E-01	-3.525E+00	-2.501E+03	-1.408E+03	-1.269E+03	1.307E+00	-1.236E+01	1.842E+00	-5.729E+02	-3.336E+03	2.153E+00
226	2	15364.41	-136.45	42.30	1	7.924E+00	-3.926E-01	-1.667E+00	-8.682E+03	-7.059E+03	-4.685E+02	8.246E+00	-7.145E-01	-1.907E-01	-6.933E+03	-8.807E+03	1.833E+00
226	2	15364.41	-136.45	42.30	2	-7.990E+00	6.320E-01	1.982E-01	-7.274E+03	-7.346E+03	-8.409E+02	6.365E-01	-7.994E+00	1.548E+00	-6.468E+03	-8.152E+03	-7.642E-01
226	3	15337.24	-125.95	42.30	1	4.478E+00	-1.043E+00	2.122E+00	-4.957E+03	-7.503E+03	-2.079E+03	5.199E+00	-1.765E+00	3.277E-01	-3.793E+03	-8.667E+03	-5.107E-01
226	3	15337.24	-125.95	42.30	2	-4.606E+00	-2.551E+00	-3.525E+00	-3.898E+03	-1.069E+04	-1.941E+03	9.371E-02	-7.250E+00	2.214E+00	-3.383E+03	-1.121E+04	-2.596E-01
226	4	15310.08	-136.45	42.30	1	7.923E+00	-4.624E+00	5.913E+00	-2.159E+03	-5.641E+03	-3.273E+03	1.027E+01	-6.971E+00	3.779E-01	-1.932E+02	-7.607E+03	-5.410E-01
226	4	15310.08	-136.45	42.30	2	-7.992E+00	-2.855E+00	-7.248E+00	8.736E+02	-6.926E+03	-8.923E+02	2.267E+00	-1.311E+01	2.186E+00	9.744E+02	-7.027E+03	-1.125E-01
227	1	15418.74	-146.95	42.30	1	1.136E+01	-4.014E+00	-2.117E+00	-5.915E+03	-3.158E+03	1.263E+03	1.165E+01	-4.301E+00	-1.343E-01	-2.667E+03	-6.406E+03	1.200E+00
227	1	15418.74	-146.95	42.30	2	-1.138E+01	2.861E-01	3.531E+00	-2.469E+03	-1.359E+03	1.255E+03	1.271E+00	-1.237E+01	1.299E+00	-5.422E+02	-3.286E+03	9.935E-01
227	2	15445.91	-136.45	42.30	1	7.919E+00	-4.707E+00	-5.905E+00	-2.198E+03	-5.575E+03	3.283E+03	1.025E+01	-7.039E+00	-3.760E-01	-1.946E+02	-7.578E+03	5.480E-01
227	2	15445.91	-136.45	42.30	2	-7.995E+00	-2.939E+00	7.257E+00	9.229E+02	-6.892E+03	8.663E+02	2.217E+00	-1.315E+01	9.530E-01	1.018E+03	-6.987E+03	1.091E-01
227	3	15418.74	-125.95	42.30	1	4.476E+00	-1.086E+00	-2.117E+00	-4.963E+03	-7.446E+03	2.062E+03	5.190E+00	-1.800E+00	-3.253E-01	-3.798E+03	-8.611E+03	5.144E-01
227	3	15418.74	-125.95	42.30	2	-4.607E+00	-2.594E+00	3.531E+00	-3.886E+03	-1.070E+04	1.945E+03	7.166E-02	-7.273E+00	9.243E-01	-3.371E+03	-1.122E+04	2.592E-01
227	4	15391.58	-136.45	42.30	1	7.921E+00	-3.931E-01	1.671E+00	-8.681E+03	-7.064E+03	-4.484E+02	8.245E+00	-7.164E-01	1.911E-01	-6.948E+03	-8.797E+03	1.824E+00
227	4	15391.58	-136.45	42.30	2	-7.993E+00	6.315E-01	-1.945E-01	-7.280E+03	-7.338E+03	-8.342E+02	6.358E-01	-7.998E+00	1.593E+00	-6.474E+03	-8.143E+03	-7.680E-01
228	1	15473.74	-146.95	42.30	1	-4.463E+00	-3.830E+00	-5.874E+00	3.774E+03	4.128E+03	1.970E+03	1.736E+00	-1.003E+01	2.329E+00	5.929E+03	1.973E+03	8.302E-01
228	1	15473.74	-146.95	42.30	2	4.508E+00	-1.658E+00	4.188E+00	9.109E+02	-6.871E+02	1.816E+02	6.626E+00	-3.775E+00	4.681E-01	9.312E+02	-7.075E+02	1.117E-01
228	2	15483.24	-136.45	42.30	1	-2.210E+00	-2.895E+00	-4.756E+00	1.669E+02	-5.866E+03	2.522E+03	2.215E+00	-7.320E+00	-7.494E-01	1.082E+03	-6.781E+03	3.482E-01
228	2	15483.24	-136.45	42.30	2	1.580E+00	-5.049E-01	3.733E+00	8.825E+02	-6.382E+03	8.516E+02	4.413E+00	-3.339E+00	6.493E-01	9.810E+02	-6.481E+03	1.152E-01
228	3	15473.74	-125.95	42.30	1	9.872E-01	-5.150E+00	-4.832E+00	2.012E+03	-1.326E+04	8.301E+02	3.643E+00	-7.806E+00	-5.025E-01	2.057E+03	-1.331E+04	5.414E-02
228	3	15473.74	-125.95	42.30	2	-1.068E+00	-3.074E-01	4.500E+00	2.136E+03	-1.060E+04	-3.818E+02	3.829E+00	-5.204E+00	8.275E-01	2.148E+03	-1.061E+04	-2.995E-02
228	4	15464.24	-136.45	42.30	1	-1.266E+00	-6.085E+00	-5.950E+00	5.755E+03	-3.373E+03	2.500E+03	2.744E+00	-1.010E+01	-5.930E-01	6.395E+03	-4.013E+03	2.506E-01

228	4	15464.24	-136.45	42.30	2	1.861E+00	-1.461E+00	4.955E+00	2.660E+03	-5.280E+03	-3.217E+02	5.426E+00	-5.026E+00	6.237E-01	2.673E+03	-5.293E+03	-4.043E-02
229	1	15272.74	-60.35	42.30	1	-2.853E+00	7.416E-01	5.403E-01	-3.971E+04	-6.195E+02	-1.480E+03	8.211E-01	-2.933E+00	1.425E+00	-5.635E+02	-3.976E+04	1.609E+00
229	1	15272.74	-60.35	42.30	2	-3.987E-01	-6.380E-01	-5.482E-01	-4.034E+04	-4.028E+02	-4.337E+03	4.273E-02	-1.079E+00	-6.780E-01	6.274E+01	-4.080E+04	1.678E+00
229	2	15282.24	-100.58	42.30	1	-2.468E+00	1.380E+00	1.133E+00	-2.531E+04	-3.959E+03	1.919E+03	1.689E+00	-2.777E+00	1.305E+00	-3.788E+03	-2.548E+04	1.482E+00
229	2	15282.24	-100.58	42.30	2	-7.222E-01	-1.139E+00	-1.052E+00	-2.634E+04	-3.679E+03	-1.708E+03	1.417E-01	-2.003E+00	-6.876E-01	-3.551E+03	-2.647E+04	1.646E+00
229	3	15291.74	-60.35	42.30	1	-2.215E+00	4.541E-01	5.092E-01	-3.950E+04	-1.277E+03	2.300E+03	5.480E-01	-2.309E+00	1.389E+00	-1.140E+03	-3.964E+04	1.511E+00
229	3	15291.74	-60.35	42.30	2	-9.408E-01	-3.939E-01	-5.234E-01	-4.039E+04	-1.515E+03	-5.599E+02	-7.683E-02	-1.258E+00	2.115E+00	-1.507E+03	-4.040E+04	1.585E+00
229	4	15282.24	-20.12	42.30	1	-2.600E+00	-1.846E-01	-8.324E-02	-5.401E+04	9.607E+02	1.003E+03	-1.817E-01	-2.603E+00	1.605E+00	9.790E+02	-5.402E+04	1.553E+00
229	4	15282.24	-20.12	42.30	2	-6.173E-01	1.072E-01	-1.974E-02	-5.449E+04	6.412E+02	-2.041E+03	1.077E-01	-6.179E-01	1.598E+00	7.166E+02	-5.457E+04	1.608E+00
230	1	15310.08	-60.35	42.30	1	-1.967E+00	2.104E+00	6.380E-01	-4.071E+04	-5.220E+03	2.597E+03	2.202E+00	-2.065E+00	1.419E+00	-5.031E+03	-4.090E+04	1.498E+00
230	1	15310.08	-60.35	42.30	2	-1.188E+00	-2.042E+00	-2.964E-01	-4.117E+04	-2.602E+03	1.622E+02	-1.095E+00	-2.134E+00	-3.035E-01	-2.602E+03	-4.117E+04	1.567E+00
230	2	15337.24	-100.58	42.30	1	-2.185E+00	4.307E+00	9.411E-01	-1.966E+04	-1.838E+04	3.072E+03	4.440E+00	-2.319E+00	1.430E+00	-1.588E+04	-2.216E+04	8.880E-01
230	2	15337.24	-100.58	42.30	2	-4.089E-01	-4.285E+00	-2.710E-01	-2.001E+04	-1.356E+04	1.226E+03	-3.901E-01	-4.304E+00	-6.947E-02	-1.333E+04	-2.024E+04	1.389E+00
230	3	15364.41	-60.35	42.30	1	-1.708E+00	2.012E+00	1.107E+00	-3.856E+04	-2.200E+04	1.673E+03	2.316E+00	-2.013E+00	1.302E+00	-2.184E+04	-3.873E+04	1.471E+00
230	3	15364.41	-60.35	42.30	2	-2.725E-01	-2.369E+00	-7.303E-01	-3.979E+04	-2.026E+04	1.112E+03	-4.318E-02	-2.598E+00	-3.043E-01	-2.020E+04	-3.985E+04	1.514E+00
230	4	15337.24	-20.12	42.30	1	-1.490E+00	-1.904E-01	8.041E-01	-5.696E+04	-1.692E+04	-1.224E+03	1.936E-01	-1.874E+00	1.125E+00	-1.688E+04	-5.700E+04	1.601E+00
230	4	15337.24	-20.12	42.30	2	-1.052E+00	-1.255E-01	-7.557E-01	-5.845E+04	-1.692E+04	-2.489E+03	2.978E-01	-1.475E+00	2.081E+00	-1.677E+04	-5.860E+04	1.630E+00
231	1	15391.58	-60.35	42.30	1	-1.709E+00	2.006E+00	-1.109E+00	-3.856E+04	-2.202E+04	1.673E+03	2.312E+00	-2.015E+00	1.840E+00	-2.186E+04	-3.873E+04	1.471E+00
231	1	15391.58	-60.35	42.30	2	-2.734E-01	-2.374E+00	7.289E-01	-3.979E+04	-2.025E+04	1.122E+03	-4.530E-02	-2.603E+00	3.033E-01	-2.018E+04	-3.985E+04	1.514E+00
231	2	15418.74	-100.58	42.30	1	-2.206E+00	4.309E+00	-9.528E-01	-1.965E+04	-1.842E+04	-3.055E+03	4.445E+00	-2.342E+00	1.713E+00	-1.592E+04	-2.215E+04	2.257E+00
231	2	15418.74	-100.58	42.30	2	-4.294E-01	-4.283E+00	2.594E-01	-2.000E+04	-1.351E+04	-1.220E+03	-4.120E-01	-4.300E+00	6.691E-02	-1.329E+04	-2.022E+04	1.751E+00
231	3	15445.91	-60.35	42.30	1	-2.007E+00	2.113E+00	-6.393E-01	-4.069E+04	-5.239E+03	-2.613E+03	2.209E+00	-2.104E+00	1.721E+00	-5.048E+03	-4.088E+04	1.644E+00
231	3	15445.91	-60.35	42.30	2	-1.228E+00	-2.033E+00	2.951E-01	-4.116E+04	-2.570E+03	-1.536E+02	-1.131E+00	-2.130E+00	3.162E-01	-2.570E+03	-4.116E+04	1.575E+00
231	4	15418.74	-20.12	42.30	1	-1.511E+00	-1.898E-01	-7.951E-01	-5.695E+04	-1.692E+04	-2.492E+03	1.834E-01	-1.884E+00	2.010E+00	-1.676E+04	-5.710E+04	1.633E+00
231	4	15418.74	-20.12	42.30	2	-1.072E+00	-1.249E-01	7.646E-01	-5.845E+04	-1.692E+04	-1.223E+03	3.010E-01	-1.498E+00	1.063E+00	-1.688E+04	-5.849E+04	1.600E+00
232	1	15464.24	-60.35	42.30	1	-2.256E+00	4.540E-01	-5.054E-01	-3.948E+04	-1.277E+03	-2.314E+03	5.452E-01	-2.347E+00	1.749E+00	-1.138E+03	-3.962E+04	1.631E+00
232	1	15464.24	-60.35	42.30	2	-9.820E-01	-3.948E-01	5.273E-01	-4.039E+04	-1.516E+03	5.824E+02	-8.487E-02	-1.292E+00	1.039E+00	-1.508E+03	-4.040E+04	1.556E+00
232	2	15473.74	-100.58	42.30	1	-2.513E+00	1.383E+00	-1.137E+00	-2.527E+04	-3.967E+03	-1.945E+03	1.690E+00	-2.821E+00	1.835E+00	-3.791E+03	-2.545E+04	1.661E+00
232	2	15473.74	-100.58	42.30	2	-7.675E-01	-1.137E+00	1.048E+00	-2.633E+04	-3.671E+03	1.736E+03	1.117E-01	-2.016E+00	6.982E-01	-3.539E+03	-2.646E+04	1.495E+00
232	3	15483.24	-60.35	42.30	1	-2.903E+00	7.446E-01	-5.365E-01	-3.969E+04	-6.190E+02	1.468E+03	8.218E-01	-2.980E+00	1.714E+00	-5.640E+02	-3.974E+04	1.533E+00
232	3	15483.24	-60.35	42.30	2	-4.483E-01	-6.343E-01	5.520E-01	-4.033E+04	-3.961E+02	4.361E+03	1.846E-02	-1.101E+00	7.020E-01	7.473E+01	-4.080E+04	1.463E+00
232	4	15473.74	-20.12	42.30	1	-2.645E+00	-1.842E-01	9.517E-02	-5.400E+04	9.690E+02	-2.063E+03	-1.805E-01	-2.649E+00	1.532E+00	1.046E+03	-5.407E+04	1.608E+00
232	4	15473.74	-20.12	42.30	2	-6.628E-01	1.076E-01	3.165E-02	-5.449E+04	6.398E+02	1.022E+03	1.089E-01	-6.641E-01	1.530E+00	6.588E+02	-5.451E+04	1.552E+00
233	1	15272.74	60.35	42.30	1	-4.435E-01	-6.366E-01	5.484E-01	-4.031E+04	-4.022E+02	4.337E+03	1.674E-02	-1.097E+00	6.983E-01	6.378E+01	-4.078E+04	1.464E+00
233	1	15272.74	60.35	42.30	2	-2.809E+00	7.401E-01	-5.405E-01	-3.973E+04	-6.201E+02	1.479E+03	8.206E-01	-2.889E+00	1.719E+00	-5.642E+02	-3.979E+04	1.533E+00
233	2	15282.24	20.12	42.30	1	-6.616E-01	1.061E-01	2.132E-02	-5.447E+04	6.414E+02	1.003E+03	1.067E-01	-6.622E-01	1.543E+00	6.596E+02	-5.449E+04	1.553E+00
233	2	15282.24	20.12	42.30	2	-2.556E+00	-1.836E-01	8.166E-02	-5.403E+04	9.605E+02	-2.041E+03	-1.808E-01	-2.558E+00	1.536E+00	1.036E+03	-5.411E+04	1.608E+00
233	3	15291.74	60.35	42.30	1	-9.842E-01	-3.931E-01	5.237E-01	-4.037E+04	-1.515E+03	5.603E+02	-8.734E-02	-1.290E+00	1.042E+00	-1.507E+03	-4.038E+04	1.556E+00
233	3	15291.74	60.35	42.30	2	-2.171E+00	4.533E-01	-5.095E-01	-3.953E+04	-1.277E+03	-2.300E+03	5.487E-01	-2.267E+00	1.756E+00	-1.140E+03	-3.966E+04	1.631E+00
233	4	15282.24	100.58	42.30	1	-7.661E-01	-1.136E+00	1.051E+00	-2.632E+04	-3.678E+03	1.709E+03	1.159E-01	-2.018E+00	6.983E-01	-3.550E+03	-2.644E+04	1.496E+00
233	4	15282.24	100.58	42.30	2	-2.424E+00	1.377E+00	-1.132E+00	-2.533E+04	-3.960E+03	-1.920E+03	1.688E+00	-2.736E+00	1.839E+00	-3.789E+03	-2.550E+04	1.660E+00
234	1	15310.08	60.35	42.30	1	-1.231E+00	-2.041E+00	2.917E-01	-4.115E+04	-2.602E+03	-1.624E+02	-1.137E+00	-2.135E+00	3.123E-01	-2.601E+03	-4.115E+04	1.575E+00
234	1	15310.08	60.35	42.30	2	-1.924E+00	2.103E+00	-6.334E-01	-4.073E+04	-5.221E+03	-2.597E+03	2.201E+00	-2.021E+00	1.723E+00	-5.032E+03	-4.092E+04	1.643E+00

234	2	15337.24	20.12	42.30	1	-1.086E+00	-1.297E-01	7.552E-01	-5.842E+04	-1.692E+04	-1.225E+03	2.859E-01	-1.502E+00	1.068E+00	-1.689E+04	-5.846E+04	1.600E+00
234	2	15337.24	20.12	42.30	2	-1.456E+00	-1.861E-01	-8.036E-01	-5.698E+04	-1.692E+04	-2.488E+03	2.032E-01	-1.845E+00	2.022E+00	-1.677E+04	-5.714E+04	1.633E+00
234	3	15364.41	60.35	42.30	1	-2.993E-01	-2.374E+00	7.251E-01	-3.976E+04	-2.026E+04	-1.112E+03	-7.098E-02	-2.602E+00	3.051E-01	-2.020E+04	-3.983E+04	1.628E+00
234	3	15364.41	60.35	42.30	2	-1.681E+00	2.017E+00	-1.102E+00	-3.859E+04	-2.200E+04	-1.672E+03	2.320E+00	-1.985E+00	1.840E+00	-2.183E+04	-3.875E+04	1.670E+00
234	4	15337.24	100.58	42.30	1	-4.444E-01	-4.284E+00	2.617E-01	-1.999E+04	-1.356E+04	-1.226E+03	-4.266E-01	-4.302E+00	6.774E-02	-1.333E+04	-2.021E+04	1.753E+00
234	4	15337.24	100.58	42.30	2	-2.150E+00	4.306E+00	-9.319E-01	-1.968E+04	-1.838E+04	-3.072E+03	4.438E+00	-2.282E+00	1.711E+00	-1.589E+04	-2.217E+04	2.252E+00
235	1	15391.58	60.35	42.30	1	-3.002E-01	-2.379E+00	-7.237E-01	-3.976E+04	-2.025E+04	-1.122E+03	-7.309E-02	-2.606E+00	-3.041E-01	-2.019E+04	-3.983E+04	1.628E+00
235	1	15391.58	60.35	42.30	2	-1.682E+00	2.011E+00	1.103E+00	-3.859E+04	-2.202E+04	-1.672E+03	2.316E+00	-1.987E+00	1.301E+00	-2.185E+04	-3.876E+04	1.670E+00
235	2	15418.74	20.12	42.30	1	-1.106E+00	-1.292E-01	-7.641E-01	-5.843E+04	-1.692E+04	-2.492E+03	2.892E-01	-1.525E+00	2.072E+00	-1.677E+04	-5.858E+04	1.631E+00
235	2	15418.74	20.12	42.30	2	-1.476E+00	-1.855E-01	7.945E-01	-5.697E+04	-1.692E+04	-1.223E+03	1.928E-01	-1.854E+00	1.126E+00	-1.688E+04	-5.701E+04	1.601E+00
235	3	15445.91	60.35	42.30	1	-1.271E+00	-2.032E+00	-2.905E-01	-4.114E+04	-2.570E+03	1.538E+02	-1.173E+00	-2.130E+00	-3.259E-01	-2.569E+03	-4.114E+04	1.567E+00
235	3	15445.91	60.35	42.30	2	-1.964E+00	2.112E+00	6.347E-01	-4.072E+04	-5.240E+03	2.613E+03	2.208E+00	-2.060E+00	1.420E+00	-5.049E+03	-4.091E+04	1.498E+00
235	4	15418.74	100.58	42.30	1	-4.648E-01	-4.282E+00	-2.501E-01	-1.997E+04	-1.351E+04	1.220E+03	-4.484E-01	-4.299E+00	-6.515E-02	-1.329E+04	-2.019E+04	1.390E+00
235	4	15418.74	100.58	42.30	2	-2.170E+00	4.308E+00	9.436E-01	-1.968E+04	-1.842E+04	3.055E+03	4.443E+00	-2.305E+00	1.429E+00	-1.593E+04	-2.217E+04	8.864E-01
236	1	15464.24	60.35	42.30	1	-1.025E+00	-3.940E-01	-5.275E-01	-4.036E+04	-1.516E+03	-5.827E+02	-9.486E-02	-1.324E+00	2.087E+00	-1.508E+03	-4.037E+04	1.586E+00
236	1	15464.24	60.35	42.30	2	-2.212E+00	4.532E-01	5.056E-01	-3.950E+04	-1.277E+03	2.314E+03	5.458E-01	-2.305E+00	1.390E+00	-1.138E+03	-3.964E+04	1.511E+00
236	2	15473.74	20.12	42.30	1	-7.069E-01	1.065E-01	-3.318E-02	-5.446E+04	6.401E+02	-2.063E+03	1.079E-01	-7.083E-01	1.611E+00	7.173E+02	-5.454E+04	1.608E+00
236	2	15473.74	20.12	42.30	2	-2.601E+00	-1.832E-01	-9.364E-02	-5.402E+04	9.687E+02	1.022E+03	-1.795E-01	-2.605E+00	1.609E+00	9.877E+02	-5.404E+04	1.552E+00
236	3	15483.24	60.35	42.30	1	-4.929E-01	-6.329E-01	-5.522E-01	-4.030E+04	-3.954E+02	-4.362E+03	-6.334E-03	-1.119E+00	-7.224E-01	7.585E+01	-4.077E+04	1.678E+00
236	3	15483.24	60.35	42.30	2	-2.858E+00	7.431E-01	5.367E-01	-3.971E+04	-6.197E+02	-1.467E+03	8.214E-01	-2.937E+00	1.426E+00	-5.647E+02	-3.977E+04	1.608E+00
236	4	15473.74	100.58	42.30	1	-8.113E-01	-1.133E+00	-1.047E+00	-2.631E+04	-3.670E+03	-1.737E+03	8.651E-02	-2.031E+00	-7.090E-01	-3.537E+03	-2.644E+04	1.647E+00
236	4	15473.74	100.58	42.30	2	-2.470E+00	1.379E+00	1.136E+00	-2.530E+04	-3.968E+03	1.946E+03	1.690E+00	-2.780E+00	1.304E+00	-3.792E+03	-2.547E+04	1.481E+00
237	1	15282.24	125.95	42.30	1	-1.068E+00	-3.149E-01	4.507E+00	2.131E+03	-1.063E+04	-3.691E+02	3.831E+00	-5.214E+00	8.271E-01	2.142E+03	-1.064E+04	-2.888E-02
237	1	15282.24	125.95	42.30	2	9.889E-01	-5.012E+00	-4.816E+00	2.002E+03	-1.331E+04	8.271E+02	3.663E+00	-7.686E+00	-5.068E-01	2.046E+03	-1.335E+04	5.382E-02
237	2	15291.74	136.45	42.30	1	1.866E+00	-1.479E+00	4.959E+00	2.689E+03	-5.275E+03	-2.883E+02	5.427E+00	-5.040E+00	6.228E-01	2.700E+03	-5.286E+03	-3.614E-02
237	2	15291.74	136.45	42.30	2	-1.279E+00	-5.901E+00	-5.920E+00	5.707E+03	-3.479E+03	2.484E+03	2.765E+00	-9.945E+00	-5.993E-01	6.336E+03	-4.108E+03	2.479E-01
237	3	15282.24	146.95	42.30	1	4.511E+00	-1.666E+00	4.188E+00	9.408E+02	-6.538E+02	1.979E+02	6.627E+00	-3.782E+00	4.677E-01	9.650E+02	-6.780E+02	1.217E-01
237	3	15282.24	146.95	42.30	2	-4.462E+00	-3.691E+00	-5.829E+00	3.738E+03	4.009E+03	1.948E+03	1.765E+00	-9.918E+00	2.323E+00	5.826E+03	1.921E+03	8.201E-01
237	4	15272.74	136.45	42.30	1	1.577E+00	-5.026E-01	3.736E+00	8.765E+02	-6.388E+02	8.703E+02	4.415E+00	-3.341E+00	6.497E-01	9.793E+02	-6.490E+02	1.176E-01
237	4	15272.74	136.45	42.30	2	-2.194E+00	-2.802E+00	-4.725E+00	1.824E+02	-5.934E+03	2.515E+03	2.237E+00	-7.233E+00	-7.533E-01	1.084E+03	-6.835E+03	3.441E-01
238	1	15337.24	125.95	42.30	1	-4.608E+00	-2.600E+00	3.544E+00	-3.896E+03	-1.067E+04	1.940E+03	7.994E-02	-7.288E+00	9.234E-01	-3.380E+03	-1.119E+04	2.601E-01
238	1	15337.24	125.95	42.30	2	4.480E+00	-9.939E-01	-2.141E+00	-4.959E+03	-7.523E+03	2.079E+03	5.218E+00	-1.732E+00	-3.320E-01	-3.798E+03	-8.684E+03	5.092E-01
238	2	15364.41	136.45	42.30	1	-7.991E+00	6.352E-01	-1.783E-01	-7.274E+03	-7.333E+03	8.401E+02	6.389E-01	-7.994E+00	1.591E+00	-6.463E+03	-8.144E+03	7.678E-01
238	2	15364.41	136.45	42.30	2	7.925E+00	-3.959E-01	1.647E+00	-8.682E+03	-7.071E+03	4.694E+02	8.240E+00	-7.102E-01	1.885E-01	-6.944E+03	-8.808E+03	1.307E+00
238	3	15337.24	146.95	42.30	1	-1.138E+01	2.775E-01	3.544E+00	-2.498E+03	-1.387E+03	1.262E+03	1.271E+00	-1.237E+01	1.298E+00	-5.637E+02	-3.322E+03	9.927E-01
238	3	15337.24	146.95	42.30	2	1.137E+01	-3.923E+00	-2.142E+00	-5.885E+03	-3.175E+03	1.292E+03	1.166E+01	-4.218E+00	-1.366E-01	-2.657E+03	-6.403E+03	1.190E+00
238	4	15310.08	136.45	42.30	1	-7.993E+00	-2.958E+00	7.267E+00	8.783E+02	-6.890E+03	8.906E+02	2.215E+00	-1.317E+01	9.522E-01	9.791E+02	-6.991E+03	1.127E-01
238	4	15310.08	136.45	42.30	2	7.924E+00	-4.521E+00	-5.931E+00	-2.164E+03	-5.677E+03	3.275E+03	1.030E+01	-6.895E+00	-3.807E-01	-2.046E+02	-7.636E+03	5.393E-01
239	1	15418.74	125.95	42.30	1	-4.609E+00	-2.643E+00	-3.551E+00	-3.884E+03	-1.068E+04	-1.944E+03	5.814E-02	-7.310E+00	2.221E+00	-3.368E+03	-1.120E+04	-2.597E-01
239	1	15418.74	125.95	42.30	2	4.478E+00	-1.037E+00	2.136E+00	-4.965E+03	-7.466E+03	-2.063E+03	5.209E+00	-1.767E+00	3.295E-01	-3.803E+03	-8.628E+03	-5.129E-01
239	2	15445.91	136.45	42.30	1	-7.996E+00	-3.041E+00	-7.275E+00	9.277E+02	-6.855E+03	-8.645E+02	2.166E+00	-1.320E+01	2.192E+00	1.023E+03	-6.950E+03	-1.093E-01
239	2	15445.91	136.45	42.30	2	7.920E+00	-4.605E+00	5.923E+00	-2.203E+03	-5.611E+03	-3.285E+03	1.028E+01	-6.963E+00	3.788E-01	-2.064E+02	-7.608E+03	-5.462E-01
239	3	15418.74	146.95	42.30	1	-1.138E+01	2.363E-01	-3.550E+00	-2.466E+03	-1.338E+03	-1.256E+03	1.235E+00	-1.238E+01	1.845E+00	-5.256E+02	-3.279E+03	2.145E+00

239	3	15418.74	146.95	42.30	2	1.136E+01	-3.965E+00	2.136E+00	-5.918E+03	-3.179E+03	-1.262E+03	1.166E+01	-4.257E+00	1.359E-01	-2.686E+03	-6.411E+03	1.943E+00
239	4	15391.58	136.45	42.30	1	-7.994E+00	6.347E-01	1.746E-01	-7.280E+03	-7.326E+03	8.332E+02	6.382E-01	-7.998E+00	1.551E+00	-6.469E+03	-8.136E+03	7.716E-01
239	4	15391.58	136.45	42.30	2	7.922E+00	-3.963E-01	-1.651E+00	-8.681E+03	-7.076E+03	4.494E+02	8.238E+00	-7.121E-01	-1.890E-01	-6.959E+03	-8.798E+03	1.315E+00
240	1	15473.74	125.95	42.30	1	-1.069E+00	-3.802E-01	-4.496E+00	2.141E+03	-1.057E+04	3.832E+02	3.785E+00	-5.234E+00	2.318E+00	2.152E+03	-1.058E+04	3.012E-02
240	1	15473.74	125.95	42.30	2	9.883E-01	-5.077E+00	4.828E+00	2.007E+03	-1.329E+04	-8.315E+02	3.657E+00	-7.746E+00	5.049E-01	2.052E+03	-1.334E+04	-5.414E-02
240	2	15483.24	136.45	42.30	1	1.571E+00	-5.502E-01	-3.719E+00	8.789E+02	-6.356E+03	-8.504E+02	4.378E+00	-3.357E+00	-6.465E-01	9.775E+02	-6.454E+03	-1.155E-01
240	2	15483.24	136.45	42.30	2	-2.201E+00	-2.850E+00	4.742E+00	1.705E+02	-5.892E+03	-2.523E+03	2.227E+00	-7.279E+00	7.513E-01	1.083E+03	-6.805E+03	-3.470E-01
240	3	15473.74	146.95	42.30	1	4.509E+00	-1.731E+00	-4.165E+00	9.135E+02	-6.575E+02	-1.857E+02	6.593E+00	-3.816E+00	-4.639E-01	9.352E+02	-6.792E+02	-1.161E-01
240	3	15473.74	146.95	42.30	2	-4.464E+00	-3.757E+00	5.851E+00	3.772E+03	4.098E+03	-1.966E+03	1.752E+00	-9.972E+00	8.156E-01	5.907E+03	1.962E+03	2.315E+00
240	4	15464.24	136.45	42.30	1	1.869E+00	-1.562E+00	-4.942E+00	2.667E+03	-5.244E+03	3.238E+02	5.385E+00	-5.077E+00	-6.184E-01	2.680E+03	-5.257E+03	4.084E-02
240	4	15464.24	136.45	42.30	2	-1.274E+00	-5.984E+00	5.937E+00	5.749E+03	-3.409E+03	-2.503E+03	2.758E+00	-1.002E+01	5.966E-01	6.388E+03	-4.048E+03	-2.501E-01
241	1	15282.24	157.45	42.30	1	4.454E+00	-2.051E+00	-3.285E+00	1.568E+03	1.207E+03	7.538E+02	5.824E+00	-3.421E+00	-3.952E-01	2.162E+03	6.124E+02	6.681E-01
241	1	15282.24	157.45	42.30	2	-3.697E+00	1.410E+00	1.460E+00	4.200E+03	3.742E+03	2.632E+03	1.797E+00	-4.084E+00	1.311E+00	6.613E+03	1.329E+03	7.420E-01
241	2	15291.74	167.95	42.30	1	-4.653E-01	1.453E+00	-3.389E+00	2.661E+03	1.295E+03	8.345E+02	4.016E+00	-3.028E+00	2.218E+00	3.057E+03	8.998E+02	4.424E-01
241	2	15291.74	167.95	42.30	2	-4.614E-01	-1.978E-01	1.821E+00	4.804E+03	1.611E+03	7.565E+02	1.497E+00	-2.156E+00	8.215E-01	4.974E+03	1.440E+03	2.212E-01
241	3	15282.24	178.45	42.30	1	-3.913E+00	-2.386E-02	-1.658E+00	1.534E+03	6.329E+02	8.351E+02	5.871E-01	-4.524E+00	1.924E+00	2.032E+03	1.346E+02	5.380E-01
241	3	15282.24	178.45	42.30	2	2.250E+00	-3.101E-02	8.799E-01	2.148E+03	2.598E+02	1.395E+03	2.550E+00	-3.310E-01	3.285E-01	2.888E+03	-4.803E+02	4.879E-01
241	4	15272.74	167.95	42.30	1	1.006E+00	-3.528E+00	-1.555E+00	7.070E+01	8.266E+02	7.429E+02	1.488E+00	-4.010E+00	-3.006E-01	1.282E+03	-3.849E+02	1.021E+00
241	4	15272.74	167.95	42.30	2	-9.849E-01	1.576E+00	5.181E-01	7.723E+02	2.979E+03	1.715E+03	1.677E+00	-1.086E+00	1.379E+00	3.915E+03	-1.638E+02	1.071E+00
242	1	15337.24	157.45	42.30	1	-1.129E+01	8.188E-01	-1.422E+00	-2.249E+03	-2.573E+02	6.286E+02	9.835E-01	-1.146E+01	1.686E+00	-7.548E+01	-2.430E+03	1.289E+00
242	1	15337.24	157.45	42.30	2	1.187E+01	-5.598E-01	2.927E+00	-5.552E+03	-1.243E+03	1.158E+03	1.253E+01	-1.214E+00	2.200E-01	-9.514E+02	-5.844E+03	1.324E+00
242	2	15364.41	167.95	42.30	1	-1.022E+01	7.337E-01	-2.397E-01	-7.449E+03	-7.029E+02	-8.336E+01	7.389E-01	-1.022E+01	1.593E+00	-7.019E+02	-7.450E+03	1.583E+00
242	2	15364.41	167.95	42.30	2	1.113E+01	-2.025E+00	2.105E+00	-9.086E+03	-1.276E+03	2.827E+02	1.145E+01	-2.353E+00	1.549E-01	-1.266E+03	-9.096E+03	1.535E+00
242	3	15337.24	178.45	42.30	1	-9.145E+00	-9.533E-02	-1.422E+00	-2.525E+03	-4.087E+02	-2.037E+02	1.229E-01	-9.363E+00	1.723E+00	-3.893E+02	-2.545E+03	1.666E+00
242	3	15337.24	178.45	42.30	2	1.038E+01	7.566E-02	2.927E+00	-5.377E+03	-9.027E+01	4.777E+02	1.115E+01	-6.978E-01	2.583E-01	-4.745E+01	-5.420E+03	1.481E+00
242	4	15310.08	167.95	42.30	1	-1.022E+01	-1.022E-02	-2.605E+00	2.675E+03	-1.925E+02	3.624E+02	6.159E-01	-1.085E+01	1.807E+00	2.720E+03	-2.376E+02	1.238E-01
242	4	15310.08	167.95	42.30	2	1.113E+01	1.541E+00	3.749E+00	-1.844E+03	-5.511E+02	2.852E+02	1.242E+01	2.487E-01	3.319E-01	-4.909E+02	-1.904E+03	1.363E+00
243	1	15418.74	157.45	42.30	1	-1.129E+01	8.210E-01	1.417E+00	-2.223E+03	-2.521E+02	-6.116E+02	9.844E-01	-1.146E+01	1.456E+00	-7.768E+01	-2.397E+03	1.849E+00
243	1	15418.74	157.45	42.30	2	1.188E+01	-5.576E-01	-2.932E+00	-5.588E+03	-1.262E+03	-1.133E+03	1.253E+01	-1.214E+00	-2.204E-01	-9.832E+02	-5.867E+03	1.812E+00
243	2	15445.91	167.95	42.30	1	-1.022E+01	-7.051E-04	2.593E+00	2.725E+03	-1.984E+02	-3.599E+02	6.196E-01	-1.084E+01	1.336E+00	2.769E+03	-2.421E+02	-1.207E-01
243	2	15445.91	167.95	42.30	2	1.112E+01	1.550E+00	-3.760E+00	-1.923E+03	-5.702E+02	-2.632E+02	1.242E+01	2.497E-01	-3.329E-01	-5.208E+02	-1.973E+03	1.756E+00
243	3	15418.74	178.45	42.30	1	-9.154E+00	-8.866E-02	1.417E+00	-2.505E+03	-4.135E+02	2.215E+02	1.277E-01	-9.370E+00	1.419E+00	-3.903E+02	-2.528E+03	1.466E+00
243	3	15418.74	178.45	42.30	2	1.037E+01	8.236E-02	-2.933E+00	-5.413E+03	-9.666E+01	-4.603E+02	1.115E+01	-6.950E-01	-2.591E-01	-5.709E+01	-5.453E+03	1.657E+00
243	4	15391.58	167.95	42.30	1	-1.022E+01	7.330E-01	2.400E-01	-7.454E+03	-6.952E+02	-9.377E+01	7.383E-01	-1.023E+01	1.549E+00	-6.939E+02	-7.455E+03	1.585E+00
243	4	15391.58	167.95	42.30	2	1.112E+01	-2.025E+00	-2.105E+00	-9.078E+03	-1.288E+03	2.555E+02	1.145E+01	-2.354E+00	-1.549E-01	-1.280E+03	-9.087E+03	1.538E+00
244	1	15473.74	157.45	42.30	1	4.460E+00	-2.061E+00	3.306E+00	1.534E+03	1.178E+03	-7.412E+02	5.842E+00	-3.443E+00	3.962E-01	2.118E+03	5.935E+02	-6.675E-01
244	1	15473.74	157.45	42.30	2	-3.691E+00	1.400E+00	-1.439E+00	4.221E+03	3.751E+03	-2.652E+03	1.778E+00	-4.069E+00	1.828E+00	6.648E+03	1.324E+03	-7.412E-01
244	2	15483.24	167.95	42.30	1	1.004E+00	-3.550E+00	1.568E+00	6.583E+01	8.087E+02	-7.325E+02	1.492E+00	-4.037E+00	3.015E-01	1.259E+03	-3.840E+02	2.122E+00
244	2	15483.24	167.95	42.30	2	-9.878E-01	1.554E+00	-5.051E-01	7.817E+02	2.997E+03	-1.717E+03	1.651E+00	-1.084E+00	1.760E+00	3.933E+03	-1.537E+02	2.070E+00
244	3	15473.74	178.45	42.30	1	-3.932E+00	-2.772E-02	1.669E+00	1.521E+03	6.375E+02	-8.297E+02	5.886E-01	-4.549E+00	1.217E+00	2.019E+03	1.393E+02	-5.407E-01
244	3	15473.74	178.45	42.30	2	2.231E+00	-3.488E-02	-8.695E-01	2.129E+03	2.497E+02	-1.391E+03	2.526E+00	-3.301E-01	-3.273E-01	2.868E+03	-4.895E+02	-4.884E-01
244	4	15464.24	167.95	42.30	1	-4.771E-01	1.461E+00	3.407E+00	2.625E+03	1.284E+03	-8.162E+02	4.034E+00	-3.050E+00	9.240E-01	3.011E+03	8.983E+02	-4.415E-01
244	4	15464.24	167.95	42.30	2	-4.719E-01	-1.892E-01	-1.803E+00	4.797E+03	1.592E+03	-7.551E+02	1.478E+00	-2.139E+00	2.317E+00	4.966E+03	1.423E+03	-2.202E-01

245	1	17835.74	-167.95	44.85	1	-6.761E-09	-4.507E-08	-2.552E-15	1.789E+03	3.410E+02	1.233E+03	-6.761E-09	-4.507E-08	-6.660E-08	2.495E+03	-3.653E+02	5.200E-01
245	1	17835.74	-167.95	44.85	2	6.761E-09	4.507E-08	-2.330E-15	1.789E+03	3.410E+02	1.234E+03	4.507E-08	6.761E-09	1.571E+00	2.495E+03	-3.653E+02	5.200E-01
245	2	17845.24	-178.45	44.85	1	-1.223E-13	1.353E-13	1.733E-08	5.074E+02	2.022E+03	1.142E+03	1.733E-08	-1.733E-08	7.854E-01	2.635E+03	-1.055E+02	1.078E+00
245	2	17845.24	-178.45	44.85	2	-1.225E-13	1.350E-13	-1.733E-08	5.074E+02	2.022E+03	1.142E+03	1.733E-08	-1.733E-08	-7.854E-01	2.635E+03	-1.055E+02	1.078E+00
245	3	17854.74	-167.95	44.85	1	6.761E-09	4.507E-08	2.220E-16	1.704E+03	4.060E+03	8.441E+02	4.507E-08	6.761E-09	1.571E+00	4.331E+03	1.432E+03	1.260E+00
245	3	17854.74	-167.95	44.85	2	-6.761E-09	-4.507E-08	-2.220E-16	1.704E+03	4.060E+03	8.441E+02	-6.761E-09	-4.507E-08	-5.796E-09	4.331E+03	1.432E+03	1.260E+00
245	4	17845.24	-157.45	44.85	1	-1.345E-13	1.352E-13	-1.733E-08	2.528E+03	2.979E+03	1.518E+03	1.733E-08	-1.733E-08	-7.854E-01	4.288E+03	1.219E+03	8.592E-01
245	4	17845.24	-157.45	44.85	2	-1.343E-13	1.355E-13	1.733E-08	2.528E+03	2.979E+03	1.518E+03	1.733E-08	-1.733E-08	7.854E-01	4.288E+03	1.219E+03	8.592E-01
246	1	17873.08	-167.95	44.85	1	-2.364E-09	-1.576E-08	4.954E-15	-1.977E+02	6.467E+02	3.948E+02	-2.364E-09	-1.576E-08	3.697E-07	8.025E+02	-3.535E+02	1.195E+00
246	1	17873.08	-167.95	44.85	2	2.364E-09	1.576E-08	5.287E-15	-1.977E+02	6.466E+02	3.948E+02	1.576E-08	2.364E-09	1.571E+00	8.025E+02	-3.535E+02	1.195E+00
246	2	17900.24	-178.45	44.85	1	-1.320E-13	1.243E-13	1.733E-08	-3.002E+02	-3.999E+03	2.401E+02	1.733E-08	-1.733E-08	7.854E-01	-2.847E+02	-4.014E+03	6.455E-02
246	2	17900.24	-178.45	44.85	2	-1.323E-13	1.239E-13	-1.733E-08	-3.002E+02	-3.999E+03	2.401E+02	1.733E-08	-1.733E-08	-7.854E-01	-2.847E+02	-4.015E+03	6.455E-02
246	3	17927.41	-167.95	44.85	1	2.364E-09	1.576E-08	3.331E-16	-1.262E+03	-8.562E+03	-1.907E+02	1.576E-08	2.364E-09	1.571E+00	-1.257E+03	-8.567E+03	-2.609E-02
246	3	17927.41	-167.95	44.85	2	-2.364E-09	-1.576E-08	-3.331E-16	-1.262E+03	-8.562E+03	-1.907E+02	-2.364E-09	-1.576E-08	-2.486E-08	-1.257E+03	-8.567E+03	-2.609E-02
246	4	17900.24	-157.45	44.85	1	-1.335E-13	1.366E-13	-1.733E-08	-7.822E+02	-3.916E+03	1.139E+03	1.733E-08	-1.733E-08	-7.854E-01	-4.122E+02	-4.286E+03	3.142E-01
246	4	17900.24	-157.45	44.85	2	-1.340E-13	1.361E-13	1.733E-08	-7.822E+02	-3.916E+03	1.139E+03	1.733E-08	-1.733E-08	7.854E-01	-4.122E+02	-4.286E+03	3.142E-01
247	1	17954.58	-167.95	44.85	1	-2.364E-09	-1.576E-08	-1.047E-14	-1.251E+03	-8.570E+03	-1.972E+02	-2.364E-09	-1.576E-08	-7.813E-07	-1.245E+03	-8.575E+03	-2.691E-02
247	1	17954.58	-167.95	44.85	2	2.364E-09	1.576E-08	-1.023E-14	-1.251E+03	-8.570E+03	-1.972E+02	1.576E-08	2.364E-09	1.571E+00	-1.245E+03	-8.576E+03	-2.691E-02
247	2	17981.74	-178.45	44.85	1	-1.209E-13	1.202E-13	1.733E-08	-2.826E+02	-3.963E+03	-3.127E+02	1.733E-08	-1.733E-08	7.854E-01	-2.562E+02	-3.989E+03	-8.416E-02
247	2	17981.74	-178.45	44.85	2	-1.215E-13	1.197E-13	-1.733E-08	-2.826E+02	-3.963E+03	-3.127E+02	1.733E-08	-1.733E-08	-7.854E-01	-2.562E+02	-3.989E+03	-8.417E-02
247	3	18008.91	-167.95	44.85	1	2.364E-09	1.576E-08	1.201E-16	-1.656E+02	7.168E+02	-4.555E+02	1.576E-08	2.364E-09	1.571E+00	9.098E+02	-3.585E+02	1.971E+00
247	3	18008.91	-167.95	44.85	2	-2.364E-09	-1.576E-08	-1.201E-16	-1.655E+02	7.168E+02	-4.555E+02	-2.364E-09	-1.576E-08	-8.966E-09	9.098E+02	-3.585E+02	1.971E+00
247	4	17981.74	-157.45	44.85	1	-1.433E-13	1.415E-13	-1.733E-08	-7.641E+02	-3.890E+03	-1.222E+03	1.733E-08	-1.733E-08	-7.854E-01	-3.433E+02	-4.311E+03	-3.317E-01
247	4	17981.74	-157.45	44.85	2	-1.438E-13	1.409E-13	1.733E-08	-7.642E+02	-3.890E+03	-1.222E+03	1.733E-08	-1.733E-08	7.854E-01	-3.433E+02	-4.311E+03	-3.317E-01
248	1	18027.24	-167.95	44.85	1	-6.761E-09	-4.507E-08	9.315E-16	1.751E+03	4.159E+03	-8.999E+02	-6.761E-09	-4.507E-08	2.431E-08	4.458E+03	1.452E+03	1.892E+00
248	1	18027.24	-167.95	44.85	2	6.761E-09	4.507E-08	2.654E-16	1.751E+03	4.159E+03	-9.000E+02	4.507E-08	6.761E-09	1.571E+00	4.458E+03	1.452E+03	1.892E+00
248	2	18036.74	-178.45	44.85	1	-1.458E-13	1.533E-13	1.733E-08	5.189E+02	2.095E+03	-1.179E+03	1.733E-08	-1.733E-08	7.854E-01	2.726E+03	-1.115E+02	2.062E+00
248	2	18036.74	-178.45	44.85	2	-1.450E-13	1.541E-13	-1.733E-08	5.190E+02	2.095E+03	-1.180E+03	1.733E-08	-1.733E-08	-7.854E-01	2.726E+03	-1.115E+02	2.062E+00
248	3	18046.24	-167.95	44.85	1	6.761E-09	4.507E-08	3.331E-16	1.849E+03	3.561E+02	-1.277E+03	4.507E-08	6.761E-09	1.571E+00	2.582E+03	-3.768E+02	-5.209E-01
248	3	18046.24	-167.95	44.85	2	-6.761E-09	-4.507E-08	-3.331E-16	1.849E+03	3.561E+02	-1.277E+03	-6.761E-09	-4.507E-08	-8.693E-09	2.582E+03	-3.768E+02	-5.209E-01
248	4	18036.74	-157.45	44.85	1	-1.749E-13	1.201E-13	-1.733E-08	2.611E+03	3.036E+03	-1.571E+03	1.733E-08	-1.733E-08	-7.854E-01	4.409E+03	1.238E+03	2.289E+00
248	4	18036.74	-157.45	44.85	2	-1.744E-13	1.205E-13	1.733E-08	2.611E+03	3.036E+03	-1.571E+03	1.733E-08	-1.733E-08	7.854E-01	4.409E+03	1.239E+03	2.289E+00
249	1	17845.24	-146.95	44.85	1	6.191E-15	9.113E-15	-1.733E-08	2.232E+03	5.877E+02	-9.138E+02	1.733E-08	-1.733E-08	-7.854E-01	2.639E+03	1.806E+02	-4.191E-01
249	1	17845.24	-146.95	44.85	2	6.302E-15	9.557E-15	1.733E-08	2.232E+03	5.878E+02	-9.139E+02	1.733E-08	-1.733E-08	7.854E-01	2.639E+03	1.806E+02	-4.191E-01
249	2	17854.74	-136.45	44.85	1	4.507E-08	6.761E-09	-5.551E-16	3.964E+03	-5.724E+03	-1.142E+03	4.507E-08	6.761E-09	-1.449E-08	4.096E+03	-5.856E+03	-1.158E-01
249	2	17854.74	-136.45	44.85	2	-4.507E-08	-6.761E-09	5.551E-16	3.964E+03	-5.724E+03	-1.142E+03	-6.761E-09	-4.507E-08	1.571E+00	4.097E+03	-5.857E+03	-1.158E-01
249	3	17845.24	-125.95	44.85	1	1.317E-13	-1.090E-13	1.733E-08	1.909E+03	-1.308E+04	-2.629E+02	1.733E-08	-1.733E-08	7.854E-01	1.914E+03	-1.308E+04	-1.753E-02
249	3	17845.24	-125.95	44.85	2	1.328E-13	-1.079E-13	-1.733E-08	1.909E+03	-1.308E+04	-2.630E+02	1.733E-08	-1.733E-08	-7.854E-01	1.914E+03	-1.309E+04	-1.754E-02
249	4	17835.74	-136.45	44.85	1	-4.507E-08	-6.761E-09	1.110E-16	6.647E+02	-7.141E+03	-1.712E+03	-6.761E-09	-4.507E-08	1.571E+00	1.024E+03	-7.500E+03	-2.067E-01
249	4	17835.74	-136.45	44.85	2	4.507E-08	6.761E-09	-1.110E-16	6.647E+02	-7.141E+03	-1.712E+03	4.507E-08	6.761E-09	-2.898E-09	1.024E+03	-7.500E+03	-2.067E-01
250	1	17900.24	-146.95	44.85	1	1.236E-14	-2.086E-15	-1.733E-08	-4.327E+03	-3.082E+03	-1.487E+03	1.733E-08	-1.733E-08	-7.854E-01	-2.092E+03	-5.316E+03	2.158E+00
250	1	17900.24	-146.95	44.85	2	1.247E-14	-2.086E-15	1.733E-08	-4.327E+03	-3.082E+03	-1.487E+03	1.733E-08	-1.733E-08	7.854E-01	-2.092E+03	-5.316E+03	2.158E+00
250	2	17927.41	-136.45	44.85	1	1.576E-08	2.364E-09	-8.327E-17	-8.023E+03	-7.693E+03	7.044E+02	1.576E-08	2.364E-09	-6.215E-09	-7.134E+03	-8.581E+03	9.003E-01

250	2	17927.41	-136.45	44.85	2	-1.576E-08	-2.364E-09	8.327E-17	-8.023E+03	-7.693E+03	7.044E+02	-2.364E-09	-1.576E-08	1.571E+00	-7.135E+03	-8.582E+03	9.003E-01
250	3	17900.24	-125.95	44.85	1	1.505E-13	-1.343E-13	1.733E-08	-4.534E+03	-9.873E+03	-2.005E+03	1.733E-08	-1.733E-08	7.854E-01	-3.866E+03	-1.054E+04	-3.221E-01
250	3	17900.24	-125.95	44.85	2	1.498E-13	-1.350E-13	-1.733E-08	-4.535E+03	-9.874E+03	-2.005E+03	1.733E-08	-1.733E-08	-7.854E-01	-3.866E+03	-1.054E+04	-3.221E-01
250	4	17873.08	-136.45	44.85	1	-1.576E-08	-2.364E-09	-8.327E-17	-8.401E+02	-7.639E+03	-2.110E+03	-2.364E-09	-1.576E-08	1.571E+00	-2.383E+02	-8.241E+03	-2.778E-01
250	4	17873.08	-136.45	44.85	2	1.576E-08	2.364E-09	8.327E-17	-8.402E+02	-7.639E+03	-2.110E+03	1.576E-08	2.364E-09	6.215E-09	-2.384E+02	-8.241E+03	-2.778E-01
251	1	17981.74	-146.95	44.85	1	-4.520E-15	4.300E-16	-1.733E-08	-4.299E+03	-3.048E+03	1.578E+03	1.733E-08	-1.733E-08	-7.854E-01	-1.976E+03	-5.370E+03	9.741E-01
251	1	17981.74	-146.95	44.85	2	-5.310E-15	1.594E-16	1.733E-08	-4.299E+03	-3.048E+03	1.578E+03	1.733E-08	-1.733E-08	7.854E-01	-1.976E+03	-5.371E+03	9.741E-01
251	2	18008.91	-136.45	44.85	1	1.576E-08	2.364E-09	1.409E-16	-7.981E+02	-7.637E+03	2.197E+03	1.576E-08	2.364E-09	1.052E-08	-1.534E+02	-8.282E+03	2.855E-01
251	2	18008.91	-136.45	44.85	2	-1.576E-08	-2.364E-09	-1.409E-16	-7.982E+02	-7.638E+03	2.197E+03	-2.364E-09	-1.576E-08	1.571E+00	-1.534E+02	-8.283E+03	2.855E-01
251	3	17981.74	-125.95	44.85	1	1.475E-13	-1.519E-13	1.733E-08	-4.519E+03	-9.902E+03	2.097E+03	1.733E-08	-1.733E-08	7.854E-01	-3.799E+03	-1.062E+04	3.310E-01
251	3	17981.74	-125.95	44.85	2	1.471E-13	-1.523E-13	-1.733E-08	-4.520E+03	-9.902E+03	2.097E+03	1.733E-08	-1.733E-08	-7.854E-01	-3.799E+03	-1.062E+04	3.310E-01
251	4	17954.58	-136.45	44.85	1	-1.576E-08	-2.364E-09	3.587E-16	-8.022E+03	-7.686E+03	7.320E+02	-2.364E-09	-1.576E-08	1.571E+00	-7.103E+03	-8.605E+03	8.980E-01
251	4	17954.58	-136.45	44.85	2	1.576E-08	2.364E-09	-3.587E-16	-8.022E+03	-7.687E+03	7.320E+02	1.576E-08	2.364E-09	-2.677E-08	-7.103E+03	-8.605E+03	8.980E-01
252	1	18036.74	-146.95	44.85	1	-5.113E-14	1.363E-14	-1.733E-08	2.281E+03	6.523E+02	9.504E+02	1.733E-08	-1.733E-08	-7.854E-01	2.718E+03	2.151E+02	4.311E-01
252	1	18036.74	-146.95	44.85	2	-5.096E-14	1.385E-14	1.733E-08	2.281E+03	6.524E+02	9.505E+02	1.733E-08	-1.733E-08	7.854E-01	2.719E+03	2.152E+02	4.311E-01
252	2	18046.24	-136.45	44.85	1	4.507E-08	6.761E-09	-1.665E-16	6.612E+02	-7.169E+03	1.772E+03	4.507E-08	6.761E-09	-4.347E-09	1.044E+03	-7.551E+03	2.126E-01
252	2	18046.24	-136.45	44.85	2	-4.507E-08	-6.761E-09	1.665E-16	6.612E+02	-7.169E+03	1.772E+03	-6.761E-09	-4.507E-08	1.571E+00	1.044E+03	-7.552E+03	2.126E-01
252	3	18036.74	-125.95	44.85	1	1.550E-13	-1.590E-13	1.733E-08	1.934E+03	-1.317E+04	2.949E+02	1.733E-08	-1.733E-08	7.854E-01	1.940E+03	-1.317E+04	1.952E-02
252	3	18036.74	-125.95	44.85	2	1.552E-13	-1.588E-13	-1.733E-08	1.934E+03	-1.317E+04	2.950E+02	1.733E-08	-1.733E-08	-7.854E-01	1.940E+03	-1.317E+04	1.953E-02
252	4	18027.24	-136.45	44.85	1	-4.507E-08	-6.761E-09	-2.776E-16	4.037E+03	-5.714E+03	1.207E+03	-6.761E-09	-4.507E-08	1.571E+00	4.184E+03	-5.861E+03	1.214E-01
252	4	18027.24	-136.45	44.85	2	4.507E-08	6.761E-09	2.776E-16	4.037E+03	-5.714E+03	1.207E+03	4.507E-08	6.761E-09	7.245E-09	4.185E+03	-5.861E+03	1.214E-01
253	1	17835.74	-60.35	44.85	1	-3.381E-09	-2.254E-08	1.448E-15	-4.104E+04	-5.152E+02	-2.931E+03	-3.381E-09	-2.254E-08	7.559E-08	-3.043E+02	-4.125E+04	1.643E+00
253	1	17835.74	-60.35	44.85	2	3.381E-09	2.254E-08	1.448E-15	-4.104E+04	-5.152E+02	-2.931E+03	2.254E-08	3.381E-09	1.571E+00	-3.043E+02	-4.125E+04	1.643E+00
253	2	17845.24	-100.58	44.85	1	5.246E-15	3.704E-14	2.262E-09	-2.684E+04	-3.879E+03	9.915E+01	2.262E-09	-2.262E-09	7.854E-01	-3.878E+03	-2.684E+04	1.566E+00
253	2	17845.24	-100.58	44.85	2	5.870E-15	3.766E-14	-2.262E-09	-2.684E+04	-3.879E+03	9.938E+01	2.262E-09	-2.262E-09	-7.854E-01	-3.878E+03	-2.684E+04	1.566E+00
253	3	17854.74	-60.35	44.85	1	3.381E-09	2.254E-08	1.110E-16	-4.096E+04	-1.402E+03	8.356E+02	2.254E-08	3.381E-09	1.571E+00	-1.385E+03	-4.098E+04	1.550E+00
253	3	17854.74	-60.35	44.85	2	-3.380E-09	-2.254E-08	-1.110E-16	-4.097E+04	-1.402E+03	8.359E+02	-3.380E-09	-2.254E-08	-5.796E-09	-1.385E+03	-4.098E+04	1.550E+00
253	4	17845.24	-20.12	44.85	1	-2.907E-14	2.497E-14	-2.262E-09	-5.527E+04	8.292E+02	-5.308E+02	2.262E-09	-2.262E-09	-7.854E-01	8.342E+02	-5.527E+04	1.580E+00
253	4	17845.24	-20.12	44.85	2	-2.904E-14	2.500E-14	2.262E-09	-5.527E+04	8.290E+02	-5.305E+02	2.262E-09	-2.262E-09	7.854E-01	8.340E+02	-5.528E+04	1.580E+00
254	1	17873.08	-60.35	44.85	1	-1.182E-09	-7.881E-09	1.179E-14	-4.196E+04	-3.890E+03	1.296E+03	-1.182E-09	-7.881E-09	1.760E-06	-3.846E+03	-4.200E+04	1.537E+00
254	1	17873.08	-60.35	44.85	2	1.182E-09	7.881E-09	1.185E-14	-4.196E+04	-3.890E+03	1.296E+03	7.881E-09	1.182E-09	1.571E+00	-3.846E+03	-4.200E+04	1.537E+00
254	2	17900.24	-100.58	44.85	1	-2.411E-14	3.613E-14	2.262E-09	-2.084E+04	-1.608E+04	2.042E+03	2.262E-09	-2.262E-09	7.854E-01	-1.532E+04	-2.160E+04	1.216E+00
254	2	17900.24	-100.58	44.85	2	-2.413E-14	3.611E-14	-2.262E-09	-2.084E+04	-1.608E+04	2.042E+03	2.262E-09	-2.262E-09	-7.854E-01	-1.532E+04	-2.160E+04	1.216E+00
254	3	17927.41	-60.35	44.85	1	1.182E-09	7.881E-09	1.231E-24	-4.025E+04	-2.099E+04	-1.571E+03	7.881E-09	1.182E-09	1.571E+00	-2.086E+04	-4.038E+04	1.652E+00
254	3	17927.41	-60.35	44.85	2	-1.182E-09	-7.881E-09	-1.231E-24	-4.025E+04	-2.099E+04	-1.571E+03	-1.182E-09	-7.881E-09	-1.837E-16	-2.087E+04	-4.038E+04	1.652E+00
254	4	17900.24	-20.12	44.85	1	-7.253E-14	8.488E-15	-2.262E-09	-5.875E+04	-1.675E+04	-1.898E+03	2.262E-09	-2.262E-09	-7.854E-01	-1.667E+04	-5.884E+04	1.616E+00
254	4	17900.24	-20.12	44.85	2	-7.264E-14	8.384E-15	2.262E-09	-5.876E+04	-1.675E+04	-1.897E+03	2.262E-09	-2.262E-09	7.854E-01	-1.667E+04	-5.884E+04	1.616E+00
255	1	17954.58	-60.35	44.85	1	-1.182E-09	-7.881E-09	4.896E-15	-4.030E+04	-2.127E+04	-1.521E+03	-1.182E-09	-7.881E-09	7.309E-07	-2.115E+04	-4.042E+04	1.650E+00
255	1	17954.58	-60.35	44.85	2	1.182E-09	7.881E-09	4.974E-15	-4.030E+04	-2.127E+04	-1.521E+03	7.881E-09	1.182E-09	1.571E+00	-2.115E+04	-4.042E+04	1.650E+00
255	2	17981.74	-100.58	44.85	1	-3.278E-14	2.336E-14	2.262E-09	-2.080E+04	-1.605E+04	-2.275E+03	2.262E-09	-2.262E-09	7.854E-01	-1.513E+04	-2.172E+04	1.952E+00
255	2	17981.74	-100.58	44.85	2	-3.310E-14	2.303E-14	-2.262E-09	-2.081E+04	-1.605E+04	-2.275E+03	2.262E-09	-2.262E-09	-7.854E-01	-1.514E+04	-2.172E+04	1.952E+00
255	3	18008.91	-60.35	44.85	1	1.182E-09	7.881E-09	-1.518E-17	-4.220E+04	-4.011E+03	-1.402E+03	7.881E-09	1.182E-09	1.571E+00	-3.960E+03	-4.225E+04	1.607E+00
255	3	18008.91	-60.35	44.85	2	-1.182E-09	-7.881E-09	1.518E-17	-4.220E+04	-4.010E+03	-1.402E+03	-1.182E-09	-7.881E-09	2.266E-09	-3.959E+03	-4.225E+04	1.607E+00

255	4	17981.74	-20.12	44.85	1	-1.798E-14	4.077E-14	-2.262E-09	-5.906E+04	-1.725E+04	1.830E+03	2.262E-09	-2.262E-09	-7.854E-01	-1.717E+04	-5.914E+04	1.527E+00
255	4	17981.74	-20.12	44.85	2	-1.827E-14	4.048E-14	2.262E-09	-5.906E+04	-1.725E+04	1.829E+03	2.262E-09	-2.262E-09	7.854E-01	-1.717E+04	-5.914E+04	1.527E+00
256	1	18027.24	-60.35	44.85	1	-3.381E-09	-2.254E-08	1.264E-14	-4.118E+04	-1.404E+03	-9.366E+02	-3.381E-09	-2.254E-08	6.599E-07	-1.382E+03	-4.121E+04	1.594E+00
256	1	18027.24	-60.35	44.85	2	3.381E-09	2.254E-08	1.275E-14	-4.118E+04	-1.404E+03	-9.370E+02	2.254E-08	3.381E-09	1.571E+00	-1.382E+03	-4.121E+04	1.594E+00
256	2	18036.74	-100.58	44.85	1	-3.029E-14	8.963E-15	2.262E-09	-2.697E+04	-3.873E+03	-1.774E+02	2.262E-09	-2.262E-09	7.854E-01	-3.871E+03	-2.697E+04	1.578E+00
256	2	18036.74	-100.58	44.85	2	-3.030E-14	8.953E-15	-2.262E-09	-2.697E+04	-3.872E+03	-1.778E+02	2.262E-09	-2.262E-09	-7.854E-01	-3.871E+03	-2.697E+04	1.578E+00
256	3	18046.24	-60.35	44.85	1	3.381E-09	2.254E-08	1.110E-16	-4.128E+04	-5.581E+02	2.873E+03	2.254E-08	3.381E-09	1.571E+00	-3.564E+02	-4.149E+04	1.501E+00
256	3	18046.24	-60.35	44.85	2	-3.380E-09	-2.254E-08	-1.110E-16	-4.128E+04	-5.580E+02	2.872E+03	-3.380E-09	-2.254E-08	-5.796E-09	-3.564E+02	-4.149E+04	1.501E+00
256	4	18036.74	-20.12	44.85	1	-2.884E-14	4.734E-15	-2.262E-09	-5.561E+04	7.661E+02	-5.124E+02	2.262E-09	-2.262E-09	-7.854E-01	7.707E+02	-5.561E+04	1.580E+00
256	4	18036.74	-20.12	44.85	2	-2.869E-14	4.886E-15	2.262E-09	-5.561E+04	7.659E+02	-5.128E+02	2.262E-09	-2.262E-09	7.854E-01	7.705E+02	-5.562E+04	1.580E+00
257	1	17835.74	60.35	44.85	1	3.381E-09	2.254E-08	-3.071E-15	-4.104E+04	-5.152E+02	2.931E+03	2.254E-08	3.381E-09	1.571E+00	-3.043E+02	-4.125E+04	1.499E+00
257	1	17835.74	60.35	44.85	2	-3.380E-09	-2.254E-08	-3.071E-15	-4.104E+04	-5.152E+02	2.931E+03	-3.380E-09	-2.254E-08	-1.603E-07	-3.043E+02	-4.125E+04	1.499E+00
257	2	17845.24	20.12	44.85	1	-4.344E-14	2.691E-14	-2.262E-09	-5.527E+04	8.290E+02	-5.308E+02	2.262E-09	-2.262E-09	-7.854E-01	8.340E+02	-5.528E+04	1.580E+00
257	2	17845.24	20.12	44.85	2	-4.343E-14	2.692E-14	2.262E-09	-5.527E+04	8.292E+02	-5.305E+02	2.262E-09	-2.262E-09	7.854E-01	8.342E+02	-5.527E+04	1.580E+00
257	3	17854.74	60.35	44.85	1	-3.381E-09	-2.254E-08	2.220E-16	-4.097E+04	-1.402E+03	-8.359E+02	-3.381E-09	-2.254E-08	1.159E-08	-1.385E+03	-4.098E+04	1.592E+00
257	3	17854.74	60.35	44.85	2	3.381E-09	2.254E-08	-2.220E-16	-4.096E+04	-1.402E+03	-8.356E+02	2.254E-08	3.381E-09	1.571E+00	-1.385E+03	-4.098E+04	1.592E+00
257	4	17845.24	100.58	44.85	1	-5.509E-14	1.785E-14	2.262E-09	-2.684E+04	-3.879E+03	-9.938E+01	2.262E-09	-2.262E-09	7.854E-01	-3.878E+03	-2.684E+04	1.575E+00
257	4	17845.24	100.58	44.85	2	-5.475E-14	1.819E-14	-2.262E-09	-2.684E+04	-3.879E+03	-9.915E+01	2.262E-09	-2.262E-09	-7.854E-01	-3.878E+03	-2.684E+04	1.575E+00
258	1	17873.08	60.35	44.85	1	1.182E-09	7.881E-09	-1.740E-14	-4.196E+04	-3.890E+03	-1.296E+03	7.881E-09	1.182E-09	1.571E+00	-3.846E+03	-4.200E+04	1.605E+00
258	1	17873.08	60.35	44.85	2	-1.182E-09	-7.881E-09	-1.701E-14	-4.196E+04	-3.890E+03	-1.296E+03	-1.182E-09	-7.881E-09	-2.539E-06	-3.846E+03	-4.200E+04	1.605E+00
258	2	17900.24	20.12	44.85	1	-7.973E-14	4.252E-14	-2.262E-09	-5.876E+04	-1.675E+04	-1.898E+03	2.262E-09	-2.262E-09	-7.854E-01	-1.667E+04	-5.884E+04	1.616E+00
258	2	17900.24	20.12	44.85	2	-7.951E-14	4.274E-14	2.262E-09	-5.875E+04	-1.675E+04	-1.897E+03	2.262E-09	-2.262E-09	7.854E-01	-1.667E+04	-5.884E+04	1.616E+00
258	3	17927.41	60.35	44.85	1	-1.182E-09	-7.881E-09	-1.665E-16	-4.025E+04	-2.099E+04	-1.211E+03	-1.182E-09	-7.881E-09	-2.486E-08	-2.092E+04	-4.033E+04	1.633E+00
258	3	17927.41	60.35	44.85	2	1.182E-09	7.881E-09	1.665E-16	-4.025E+04	-2.099E+04	-1.211E+03	7.881E-09	1.182E-09	1.571E+00	-2.092E+04	-4.032E+04	1.633E+00
258	4	17900.24	100.58	44.85	1	6.570E-15	4.945E-14	2.262E-09	-2.084E+04	-1.608E+04	-2.042E+03	2.262E-09	-2.262E-09	7.854E-01	-1.532E+04	-2.160E+04	1.925E+00
258	4	17900.24	100.58	44.85	2	6.528E-15	4.941E-14	-2.262E-09	-2.084E+04	-1.608E+04	-2.042E+03	2.262E-09	-2.262E-09	-7.854E-01	-1.532E+04	-2.160E+04	1.925E+00
259	1	17954.58	60.35	44.85	1	1.182E-09	7.881E-09	-7.431E-14	-4.030E+04	-2.127E+04	-1.262E+03	7.881E-09	1.182E-09	1.571E+00	-2.119E+04	-4.038E+04	1.637E+00
259	1	17954.58	60.35	44.85	2	-1.182E-09	-7.881E-09	-7.406E-14	-4.030E+04	-2.127E+04	-1.262E+03	-1.182E-09	-7.881E-09	-1.105E-05	-2.119E+04	-4.038E+04	1.637E+00
259	2	17981.74	20.12	44.85	1	-4.534E-14	1.302E-13	-2.262E-09	-5.906E+04	-1.725E+04	1.830E+03	2.262E-09	-2.262E-09	-7.854E-01	-1.717E+04	-5.914E+04	1.527E+00
259	2	17981.74	20.12	44.85	2	-4.542E-14	1.302E-13	2.262E-09	-5.906E+04	-1.725E+04	1.829E+03	2.262E-09	-2.262E-09	7.854E-01	-1.717E+04	-5.914E+04	1.527E+00
259	3	18008.91	60.35	44.85	1	-1.182E-09	-7.881E-09	-1.141E-16	-4.220E+04	-4.010E+03	1.402E+03	-1.182E-09	-7.881E-09	-1.703E-08	-3.959E+03	-4.225E+04	1.534E+00
259	3	18008.91	60.35	44.85	2	1.182E-09	7.881E-09	1.141E-16	-4.220E+04	-4.011E+03	1.402E+03	7.881E-09	1.182E-09	1.571E+00	-3.960E+03	-4.225E+04	1.534E+00
259	4	17981.74	100.58	44.85	1	-3.992E-14	9.153E-14	2.262E-09	-2.081E+04	-1.605E+04	2.275E+03	2.262E-09	-2.262E-09	7.854E-01	-1.514E+04	-2.172E+04	1.189E+00
259	4	17981.74	100.58	44.85	2	-3.994E-14	9.151E-14	-2.262E-09	-2.080E+04	-1.605E+04	2.275E+03	2.262E-09	-2.262E-09	-7.854E-01	-1.513E+04	-2.172E+04	1.189E+00
260	1	18027.24	60.35	44.85	1	3.381E-09	2.254E-08	-3.198E-14	-4.118E+04	-1.404E+03	9.370E+02	2.254E-08	3.381E-09	1.571E+00	-1.382E+03	-4.121E+04	1.547E+00
260	1	18027.24	60.35	44.85	2	-3.380E-09	-2.254E-08	-3.186E-14	-4.118E+04	-1.404E+03	9.366E+02	-3.380E-09	-2.254E-08	-1.663E-06	-1.382E+03	-4.121E+04	1.547E+00
260	2	18036.74	20.12	44.85	1	-2.100E-14	8.853E-14	-2.262E-09	-5.561E+04	7.659E+02	-5.124E+02	2.262E-09	-2.262E-09	-7.854E-01	7.705E+02	-5.562E+04	1.580E+00
260	2	18036.74	20.12	44.85	2	-2.126E-14	8.827E-14	2.262E-09	-5.561E+04	7.661E+02	-5.128E+02	2.262E-09	-2.262E-09	7.854E-01	7.707E+02	-5.561E+04	1.580E+00
260	3	18046.24	60.35	44.85	1	-3.380E-09	-2.254E-08	5.551E-17	-4.128E+04	-5.580E+02	-2.872E+03	-3.380E-09	-2.254E-08	2.898E-09	-3.564E+02	-4.149E+04	1.641E+00
260	3	18046.24	60.35	44.85	2	3.381E-09	2.254E-08	-5.551E-17	-4.128E+04	-5.581E+02	-2.873E+03	2.254E-08	3.381E-09	1.571E+00	-3.564E+02	-4.149E+04	1.641E+00
260	4	18036.74	100.58	44.85	1	8.695E-15	1.056E-13	2.262E-09	-2.697E+04	-3.872E+03	1.778E+02	2.262E-09	-2.262E-09	7.854E-01	-3.871E+03	-2.697E+04	1.563E+00
260	4	18036.74	100.58	44.85	2	8.292E-15	1.052E-13	-2.262E-09	-2.697E+04	-3.873E+03	1.774E+02	2.262E-09	-2.262E-09	-7.854E-01	-3.871E+03	-2.697E+04	1.563E+00
261	1	17845.24	125.95	44.85	1	-6.302E-14	-1.588E-14	1.733E-08	1.909E+03	-1.308E+04	2.630E+02	1.733E-08	-1.733E-08	7.854E-01	1.914E+03	-1.309E+04	1.754E-02

261	1	17845.24	125.95	44.85	2	-6.224E-14	-1.544E-14	-1.733E-08	1.909E+03	-1.308E+04	2.629E+02	1.733E-08	-1.733E-08	-7.854E-01	1.914E+03	-1.308E+04	1.753E-02
261	2	17854.74	136.45	44.85	1	-4.507E-08	-6.761E-09	-7.772E-16	3.964E+03	-5.724E+03	1.142E+03	-6.761E-09	-4.507E-08	1.571E+00	4.097E+03	-5.857E+03	1.158E-01
261	2	17854.74	136.45	44.85	2	4.507E-08	6.761E-09	7.772E-16	3.964E+03	-5.724E+03	1.142E+03	4.507E-08	6.761E-09	2.028E-08	4.096E+03	-5.856E+03	1.158E-01
261	3	17845.24	146.95	44.85	1	1.123E-13	-1.452E-13	-1.733E-08	2.232E+03	5.878E+02	9.139E+02	1.733E-08	-1.733E-08	-7.854E-01	2.639E+03	1.806E+02	4.191E-01
261	3	17845.24	146.95	44.85	2	1.128E-13	-1.446E-13	1.733E-08	2.232E+03	5.877E+02	9.138E+02	1.733E-08	-1.733E-08	7.854E-01	2.639E+03	1.806E+02	4.191E-01
261	4	17835.74	136.45	44.85	1	4.507E-08	6.761E-09	-5.551E-16	6.647E+02	-7.141E+03	1.712E+03	4.507E-08	6.761E-09	-1.449E-08	1.024E+03	-7.500E+03	2.067E-01
261	4	17835.74	136.45	44.85	2	-4.507E-08	-6.761E-09	5.551E-16	6.647E+02	-7.141E+03	1.712E+03	-6.761E-09	-4.507E-08	1.571E+00	1.024E+03	-7.500E+03	2.067E-01
262	1	17900.24	125.95	44.85	1	3.601E-14	-2.877E-14	1.733E-08	-4.535E+03	-9.874E+03	2.005E+03	1.733E-08	-1.733E-08	7.854E-01	-3.866E+03	-1.054E+04	3.221E-01
262	1	17900.24	125.95	44.85	2	3.551E-14	-2.744E-14	-1.733E-08	-4.534E+03	-9.873E+03	2.005E+03	1.733E-08	-1.733E-08	-7.854E-01	-3.866E+03	-1.054E+04	3.221E-01
262	2	17927.41	136.45	44.85	1	-1.576E-08	-2.364E-09	-1.943E-16	-8.023E+03	-7.693E+03	6.431E+02	-2.364E-09	-1.576E-08	1.571E+00	-7.194E+03	-8.522E+03	9.109E-01
262	2	17927.41	136.45	44.85	2	1.576E-08	2.364E-09	1.943E-16	-8.023E+03	-7.693E+03	6.431E+02	1.576E-08	2.364E-09	1.450E-08	-7.194E+03	-8.522E+03	9.109E-01
262	3	17900.24	146.95	44.85	1	1.315E-13	-1.564E-13	-1.733E-08	-4.327E+03	-3.082E+03	1.487E+03	1.733E-08	-1.733E-08	-7.854E-01	-2.092E+03	-5.316E+03	9.836E-01
262	3	17900.24	146.95	44.85	2	1.315E-13	-1.563E-13	1.733E-08	-4.327E+03	-3.082E+03	1.487E+03	1.733E-08	-1.733E-08	7.854E-01	-2.092E+03	-5.316E+03	9.836E-01
262	4	17873.08	136.45	44.85	1	1.576E-08	2.364E-09	-8.207E-25	-8.402E+02	-7.639E+03	2.110E+03	1.576E-08	2.364E-09	-6.126E-17	-2.384E+02	-8.241E+03	2.778E-01
262	4	17873.08	136.45	44.85	2	-1.576E-08	-2.364E-09	8.207E-25	-8.401E+02	-7.639E+03	2.110E+03	-2.364E-09	-1.576E-08	1.571E+00	-2.383E+02	-8.241E+03	2.778E-01
263	1	17981.74	125.95	44.85	1	6.048E-17	7.144E-14	1.733E-08	-4.520E+03	-9.902E+03	-2.097E+03	1.733E-08	-1.733E-08	7.854E-01	-3.799E+03	-1.062E+04	-3.310E-01
263	1	17981.74	125.95	44.85	2	-4.013E-17	7.111E-14	-1.733E-08	-4.519E+03	-9.902E+03	-2.097E+03	1.733E-08	-1.733E-08	-7.854E-01	-3.799E+03	-1.062E+04	-3.310E-01
263	2	18008.91	136.45	44.85	1	-1.576E-08	-2.364E-09	1.717E-16	-7.982E+02	-7.638E+03	-2.197E+03	-2.364E-09	-1.576E-08	1.571E+00	-1.534E+02	-8.283E+03	-2.855E-01
263	2	18008.91	136.45	44.85	2	1.576E-08	2.364E-09	-1.717E-16	-7.981E+02	-7.637E+03	-2.197E+03	1.576E-08	2.364E-09	-1.282E-08	-1.534E+02	-8.282E+03	-2.855E-01
263	3	17981.74	146.95	44.85	1	1.409E-13	-5.978E-14	-1.733E-08	-4.299E+03	-3.048E+03	-1.578E+03	1.733E-08	-1.733E-08	-7.854E-01	-1.976E+03	-5.371E+03	2.167E+00
263	3	17981.74	146.95	44.85	2	1.404E-13	-6.026E-14	1.733E-08	-4.299E+03	-3.048E+03	-1.578E+03	1.733E-08	-1.733E-08	7.854E-01	-1.976E+03	-5.370E+03	2.167E+00
263	4	17954.58	136.45	44.85	1	1.576E-08	2.364E-09	-1.162E-16	-8.022E+03	-7.687E+03	6.154E+02	1.576E-08	2.364E-09	-8.675E-09	-7.217E+03	-8.492E+03	9.184E-01
263	4	17954.58	136.45	44.85	2	-1.576E-08	-2.364E-09	1.162E-16	-8.022E+03	-7.686E+03	6.155E+02	-2.364E-09	-1.576E-08	1.571E+00	-7.216E+03	-8.492E+03	9.184E-01
264	1	18036.74	125.95	44.85	1	8.022E-14	3.458E-13	1.733E-08	1.934E+03	-1.317E+04	-2.950E+02	1.733E-08	-1.733E-08	7.854E-01	1.940E+03	-1.317E+04	-1.953E-02
264	1	18036.74	125.95	44.85	2	8.019E-14	3.449E-13	-1.733E-08	1.934E+03	-1.317E+04	-2.949E+02	1.733E-08	-1.733E-08	-7.854E-01	1.940E+03	-1.317E+04	-1.952E-02
264	2	18046.24	136.45	44.85	1	-4.507E-08	-6.761E-09	-1.665E-16	6.612E+02	-7.169E+03	-1.772E+03	-6.761E-09	-4.507E-08	1.571E+00	1.044E+03	-7.552E+03	-2.126E-01
264	2	18046.24	136.45	44.85	2	4.507E-08	6.762E-09	1.665E-16	6.612E+02	-7.169E+03	-1.772E+03	4.507E-08	6.762E-09	4.347E-09	1.044E+03	-7.551E+03	-2.126E-01
264	3	18036.74	146.95	44.85	1	3.735E-13	4.035E-14	-1.733E-08	2.281E+03	6.524E+02	-9.505E+02	1.733E-08	-1.733E-08	-7.854E-01	2.719E+03	2.152E+02	-4.311E-01
264	3	18036.74	146.95	44.85	2	3.728E-13	3.962E-14	1.733E-08	2.281E+03	6.523E+02	-9.504E+02	1.733E-08	-1.733E-08	7.854E-01	2.718E+03	2.151E+02	-4.311E-01
264	4	18027.24	136.45	44.85	1	4.507E-08	6.762E-09	-2.776E-16	4.037E+03	-5.714E+03	-1.207E+03	4.507E-08	6.762E-09	-7.245E-09	4.185E+03	-5.861E+03	-1.214E-01
264	4	18027.24	136.45	44.85	2	-4.507E-08	-6.761E-09	2.776E-16	4.037E+03	-5.714E+03	-1.207E+03	-6.761E-09	-4.507E-08	1.571E+00	4.184E+03	-5.861E+03	-1.214E-01
265	1	17845.24	157.45	44.85	1	3.320E-15	-2.366E-14	1.733E-08	2.979E+03	2.528E+03	1.518E+03	1.733E-08	-1.733E-08	7.854E-01	4.288E+03	1.219E+03	7.116E-01
265	1	17845.24	157.45	44.85	2	1.876E-15	-2.277E-14	-1.733E-08	2.979E+03	2.528E+03	1.518E+03	1.733E-08	-1.733E-08	-7.854E-01	4.288E+03	1.219E+03	7.116E-01
265	2	17854.74	167.95	44.85	1	-4.507E-08	-6.761E-09	-5.551E-16	4.060E+03	1.704E+03	8.441E+02	-6.761E-09	-4.507E-08	1.571E+00	4.331E+03	1.432E+03	3.108E-01
265	2	17854.74	167.95	44.85	2	4.507E-08	6.761E-09	5.551E-16	4.060E+03	1.704E+03	8.441E+02	4.507E-08	6.761E-09	1.449E-08	4.331E+03	1.432E+03	3.108E-01
265	3	17845.24	178.45	44.85	1	1.165E-13	-1.873E-13	-1.733E-08	2.022E+03	5.074E+02	1.142E+03	1.733E-08	-1.733E-08	-7.854E-01	2.635E+03	-1.055E+02	4.926E-01
265	3	17845.24	178.45	44.85	2	1.171E-13	-1.866E-13	1.733E-08	2.022E+03	5.074E+02	1.142E+03	1.733E-08	-1.733E-08	7.854E-01	2.635E+03	-1.055E+02	4.926E-01
265	4	17835.74	167.95	44.85	1	4.507E-08	6.761E-09	-3.331E-16	3.410E+02	1.789E+03	1.234E+03	4.507E-08	6.761E-09	-8.693E-09	2.495E+03	-3.653E+02	1.051E+00
265	4	17835.74	167.95	44.85	2	-4.507E-08	-6.761E-09	3.331E-16	3.410E+02	1.789E+03	1.233E+03	-6.761E-09	-4.507E-08	1.571E+00	2.495E+03	-3.653E+02	1.051E+00
266	1	17900.24	157.45	44.85	1	-2.080E-14	-9.327E-15	1.733E-08	-3.916E+03	-7.822E+02	1.139E+03	1.733E-08	-1.733E-08	7.854E-01	-4.122E+02	-4.286E+03	1.257E+00
266	1	17900.24	157.45	44.85	2	-2.124E-14	-8.883E-15	-1.733E-08	-3.916E+03	-7.822E+02	1.139E+03	1.733E-08	-1.733E-08	-7.854E-01	-4.122E+02	-4.286E+03	1.257E+00
266	2	17927.41	167.95	44.85	1	-1.576E-08	-2.364E-09	2.776E-17	-8.562E+03	-1.262E+03	1.186E+02	-2.364E-09	-1.576E-08	1.571E+00	-1.260E+03	-8.564E+03	1.555E+00
266	2	17927.41	167.95	44.85	2	1.576E-08	2.364E-09	-2.776E-17	-8.562E+03	-1.262E+03	1.186E+02	1.576E-08	2.364E-09	-2.072E-09	-1.260E+03	-8.564E+03	1.555E+00



266	3	17900.24	178.45	44.85	1	1.404E-13	-1.760E-13	-1.733E-08	-3.999E+03	-3.002E+02	2.401E+02	1.733E-08	-1.733E-08	-7.854E-01	-2.847E+02	-4.015E+03	1.506E+00
266	3	17900.24	178.45	44.85	2	1.405E-13	-1.759E-13	1.733E-08	-3.999E+03	-3.002E+02	2.401E+02	1.733E-08	-1.733E-08	7.854E-01	-2.847E+02	-4.014E+03	1.506E+00
266	4	17873.08	167.95	44.85	1	1.576E-08	2.364E-09	-2.498E-16	6.466E+02	-1.977E+02	3.948E+02	1.576E-08	2.364E-09	-1.865E-08	8.025E+02	-3.535E+02	3.760E-01
266	4	17873.08	167.95	44.85	2	-1.576E-08	-2.364E-09	2.498E-16	6.467E+02	-1.977E+02	3.948E+02	-2.364E-09	-1.576E-08	1.571E+00	8.025E+02	-3.535E+02	3.760E-01
267	1	17981.74	157.45	44.85	1	5.428E-15	-2.528E-14	1.733E-08	-3.890E+03	-7.642E+02	-1.222E+03	1.733E-08	-1.733E-08	7.854E-01	-3.433E+02	-4.311E+03	1.903E+00
267	1	17981.74	157.45	44.85	2	4.788E-15	-2.573E-14	-1.733E-08	-3.890E+03	-7.641E+02	-1.222E+03	1.733E-08	-1.733E-08	-7.854E-01	-3.433E+02	-4.311E+03	1.903E+00
267	2	18008.91	167.95	44.85	1	-1.576E-08	-2.364E-09	4.658E-16	7.168E+02	-1.655E+02	-4.555E+02	-2.364E-09	-1.576E-08	1.571E+00	9.098E+02	-3.585E+02	-4.007E-01
267	2	18008.91	167.95	44.85	2	1.576E-08	2.364E-09	-4.658E-16	7.168E+02	-1.656E+02	-4.555E+02	1.576E-08	2.364E-09	-3.477E-08	9.098E+02	-3.585E+02	-4.007E-01
267	3	17981.74	178.45	44.85	1	1.483E-13	-2.481E-13	-1.733E-08	-3.963E+03	-2.826E+02	-3.127E+02	1.733E-08	-1.733E-08	-7.854E-01	-2.562E+02	-3.989E+03	1.655E+00
267	3	17981.74	178.45	44.85	2	1.476E-13	-2.488E-13	1.733E-08	-3.963E+03	-2.826E+02	-3.127E+02	1.733E-08	-1.733E-08	7.854E-01	-2.562E+02	-3.989E+03	1.655E+00
267	4	17954.58	167.95	44.85	1	1.576E-08	2.364E-09	1.448E-16	-8.570E+03	-1.251E+03	1.121E+02	1.576E-08	2.364E-09	1.081E-08	-1.249E+03	-8.572E+03	1.555E+00
267	4	17954.58	167.95	44.85	2	-1.576E-08	-2.364E-09	-1.448E-16	-8.570E+03	-1.251E+03	1.121E+02	-2.364E-09	-1.576E-08	1.571E+00	-1.249E+03	-8.572E+03	1.555E+00
268	1	18036.74	157.45	44.85	1	8.307E-14	4.684E-13	1.733E-08	3.036E+03	2.611E+03	-1.571E+03	1.733E-08	-1.733E-08	7.854E-01	4.409E+03	1.239E+03	-7.181E-01
268	1	18036.74	157.45	44.85	2	8.229E-14	4.684E-13	-1.733E-08	3.036E+03	2.611E+03	-1.571E+03	1.733E-08	-1.733E-08	-7.854E-01	4.409E+03	1.238E+03	-7.181E-01
268	2	18046.24	167.95	44.85	1	-4.507E-08	-6.760E-09	-3.886E-16	3.561E+02	1.849E+03	-1.277E+03	-6.760E-09	-4.507E-08	1.571E+00	2.582E+03	-3.768E+02	2.092E+00
268	2	18046.24	167.95	44.85	2	4.507E-08	6.762E-09	3.886E-16	3.561E+02	1.849E+03	-1.277E+03	4.507E-08	6.762E-09	1.014E-08	2.582E+03	-3.768E+02	2.092E+00
268	3	18036.74	178.45	44.85	1	5.727E-13	-2.523E-13	-1.733E-08	2.095E+03	5.190E+02	-1.180E+03	1.733E-08	-1.733E-08	-7.854E-01	2.726E+03	-1.115E+02	-4.909E-01
268	3	18036.74	178.45	44.85	2	5.726E-13	-2.523E-13	1.733E-08	2.095E+03	5.189E+02	-1.179E+03	1.733E-08	-1.733E-08	7.854E-01	2.726E+03	-1.115E+02	-4.909E-01
268	4	18027.24	167.95	44.85	1	4.507E-08	6.762E-09	-2.776E-16	4.159E+03	1.751E+03	-9.000E+02	4.507E-08	6.762E-09	-7.245E-09	4.458E+03	1.452E+03	-3.210E-01
268	4	18027.24	167.95	44.85	2	-4.507E-08	-6.761E-09	2.776E-16	4.159E+03	1.751E+03	-8.999E+02	-6.761E-09	-4.507E-08	1.571E+00	4.458E+03	1.452E+03	-3.210E-01
269	1	20398.74	-167.95	47.40	1	1.537E+00	-9.848E-01	4.974E-01	3.007E+03	7.798E+02	1.730E+03	1.632E+00	-1.079E+00	1.878E-01	3.951E+03	-1.645E+02	4.995E-01
269	1	20398.74	-167.95	47.40	2	-3.513E+00	1.006E+00	-1.547E+00	8.488E+02	7.408E+01	7.592E+02	1.485E+00	-3.992E+00	1.871E+00	1.314E+03	-3.909E+02	5.495E-01
269	2	20408.24	-178.45	47.40	1	-3.215E-02	2.217E+00	8.645E-01	2.639E+02	2.166E+03	1.408E+03	2.511E+00	-3.260E-01	1.243E+00	2.914E+03	-4.840E+02	1.082E+00
269	2	20408.24	-178.45	47.40	2	-2.340E-02	-3.901E+00	-1.652E+00	6.405E+02	1.564E+03	8.505E+02	5.853E-01	-4.509E+00	-3.529E-01	2.070E+03	1.344E+02	1.034E+00
269	3	20417.74	-167.95	47.40	1	-1.728E-01	-4.796E-01	1.790E+00	1.622E+03	4.843E+03	7.688E+02	1.471E+00	-2.123E+00	7.427E-01	5.017E+03	1.448E+03	1.348E+00
269	3	20417.74	-167.95	47.40	2	1.444E+00	-4.586E-01	-3.377E+00	1.321E+03	2.719E+03	8.427E+02	4.001E+00	-3.016E+00	-6.481E-01	3.115E+03	9.255E+02	1.132E+00
269	4	20408.24	-157.45	47.40	1	1.397E+00	-3.682E+00	1.423E+00	3.773E+03	4.234E+03	2.658E+03	1.768E+00	-4.053E+00	2.554E-01	6.671E+03	1.335E+03	8.287E-01
269	4	20408.24	-157.45	47.40	2	-2.046E+00	4.448E+00	-3.271E+00	1.242E+03	1.608E+03	7.711E+02	5.810E+00	-3.408E+00	1.965E+00	2.217E+03	6.322E+02	9.018E-01
270	1	20436.07	-167.95	47.40	1	1.571E+00	1.115E+01	3.772E+00	-5.603E+02	-1.844E+03	2.867E+02	1.245E+01	2.636E-01	1.237E+00	-4.992E+02	-1.905E+03	2.101E-01
270	1	20436.07	-167.95	47.40	2	-2.157E-02	-1.023E+01	-2.613E+00	-1.912E+02	2.689E+03	3.695E+02	6.087E-01	-1.086E+01	-2.367E-01	2.736E+03	-2.379E+02	1.445E+00
270	2	20463.24	-178.45	47.40	1	7.537E-02	1.040E+01	2.957E+00	-9.235E+01	-5.425E+03	4.758E+02	1.119E+01	-7.113E-01	1.311E+00	-5.023E+01	-5.468E+03	8.830E-02
270	2	20463.24	-178.45	47.40	2	-9.529E-02	-9.153E+00	-1.433E+00	-4.129E+02	-2.574E+03	-1.979E+02	1.261E-01	-9.375E+00	-1.533E-01	-3.950E+02	-2.592E+03	-9.056E-02
270	3	20490.41	-167.95	47.40	1	-2.050E+00	1.114E+01	2.142E+00	-1.281E+03	-9.183E+03	2.824E+02	1.148E+01	-2.389E+00	1.414E+00	-1.271E+03	-9.193E+03	3.568E-02
270	3	20490.41	-167.95	47.40	2	7.431E-01	-1.023E+01	-2.533E-01	-7.224E+02	-7.559E+03	-8.030E+01	7.490E-01	-1.023E+01	-2.308E-02	-7.214E+02	-7.560E+03	-1.174E-02
270	4	20463.24	-157.45	47.40	1	-5.546E-01	1.189E+01	2.956E+00	-1.251E+03	-5.601E+03	1.162E+03	1.255E+01	-1.221E+00	1.349E+00	-9.603E+02	-5.892E+03	2.453E-01
270	4	20463.24	-157.45	47.40	2	8.169E-01	-1.130E+01	-1.433E+00	-2.667E+02	-2.296E+03	6.481E+02	9.841E-01	-1.147E+01	-1.162E-01	-7.736E+01	-2.485E+03	2.842E-01
271	1	20517.57	-167.95	47.40	1	-2.051E+00	1.114E+01	-2.141E+00	-1.294E+03	-9.175E+03	2.547E+02	1.148E+01	-2.390E+00	1.728E+00	-1.285E+03	-9.184E+03	3.227E-02
271	1	20517.57	-167.95	47.40	2	7.425E-01	-1.023E+01	2.536E-01	-7.147E+02	-7.564E+03	-9.070E+01	7.484E-01	-1.024E+01	2.310E-02	-7.135E+02	-7.565E+03	-1.324E-02
271	2	20544.74	-178.45	47.40	1	8.213E-02	1.039E+01	-2.963E+00	-9.889E+01	-5.462E+03	-4.580E+02	1.118E+01	-7.084E-01	1.832E+00	-6.005E+01	-5.501E+03	-8.458E-02
271	2	20544.74	-178.45	47.40	2	-8.851E-02	-9.163E+00	1.428E+00	-4.177E+02	-2.554E+03	2.156E+02	1.309E-01	-9.382E+00	1.524E-01	-3.962E+02	-2.576E+03	9.957E-02
271	3	20571.91	-167.95	47.40	1	1.581E+00	1.114E+01	-3.783E+00	-5.798E+02	-1.924E+03	-2.644E+02	1.246E+01	2.646E-01	1.906E+00	-5.296E+02	-1.974E+03	-1.874E-01
271	3	20571.91	-167.95	47.40	2	-1.192E-02	-1.023E+01	2.602E+00	-1.971E+02	2.740E+03	-3.670E+02	6.124E-01	-1.085E+01	2.355E-01	2.785E+03	-2.423E+02	1.693E+00
271	4	20544.74	-157.45	47.40	1	-5.524E-01	1.189E+01	-2.962E+00	-1.270E+03	-5.637E+03	-1.136E+03	1.256E+01	-1.222E+00	1.793E+00	-9.924E+02	-5.915E+03	-2.400E-01

271	4	20544.74	-157.45	47.40	2	8.191E-01	-1.130E+01	1.428E+00	-2.614E+02	-2.270E+03	-6.311E+02	9.850E-01	-1.146E+01	1.157E-01	-7.960E+01	-2.452E+03	-2.805E-01
272	1	20590.24	-167.95	47.40	1	-1.643E-01	-4.908E-01	-1.772E+00	1.603E+03	4.835E+03	-7.674E+02	1.452E+00	-2.107E+00	-7.395E-01	5.008E+03	1.430E+03	1.792E+00
272	1	20590.24	-167.95	47.40	2	1.452E+00	-4.701E-01	3.396E+00	1.310E+03	2.683E+03	-8.242E+02	4.020E+00	-3.038E+00	6.475E-01	3.069E+03	9.242E+02	2.009E+00
272	2	20599.74	-178.45	47.40	1	-3.606E-02	2.198E+00	-8.537E-01	2.538E+02	2.147E+03	-1.404E+03	2.487E+00	-3.250E-01	1.897E+00	2.894E+03	-4.933E+02	2.060E+00
272	2	20599.74	-178.45	47.40	2	-2.733E-02	-3.920E+00	1.663E+00	6.451E+02	1.551E+03	-8.451E+02	5.866E-01	-4.534E+00	3.536E-01	2.057E+03	1.391E+02	2.110E+00
272	3	20609.24	-167.95	47.40	1	1.515E+00	-9.871E-01	-4.843E-01	3.025E+03	7.893E+02	-1.732E+03	1.605E+00	-1.078E+00	-1.847E-01	3.968E+03	-1.543E+02	-4.989E-01
272	3	20609.24	-167.95	47.40	2	-3.535E+00	1.004E+00	1.560E+00	8.310E+02	6.920E+01	-7.488E+02	1.488E+00	-4.020E+00	1.270E+00	1.290E+03	-3.901E+02	-5.501E-01
272	4	20599.74	-157.45	47.40	1	1.387E+00	-3.675E+00	-1.402E+00	3.781E+03	4.255E+03	-2.678E+03	1.749E+00	-4.038E+00	-2.529E-01	6.706E+03	1.330E+03	2.312E+00
272	4	20599.74	-157.45	47.40	2	-2.056E+00	4.454E+00	3.292E+00	1.212E+03	1.574E+03	-7.586E+02	5.829E+00	-3.431E+00	1.175E+00	2.173E+03	6.133E+02	2.239E+00
273	1	20408.24	-146.95	47.40	1	-4.461E+00	-3.798E+00	5.861E+00	3.771E+03	4.060E+03	-1.965E+03	1.741E+00	-1.000E+01	8.136E-01	5.886E+03	1.945E+03	2.319E+00
273	1	20408.24	-146.95	47.40	2	4.511E+00	-1.626E+00	-4.201E+00	9.683E+02	-6.605E+02	-2.074E+02	6.644E+00	-3.760E+00	-4.699E-01	9.943E+02	-6.865E+02	-1.247E-01
273	2	20417.74	-136.45	47.40	1	-1.267E+00	-6.049E+00	5.939E+00	5.767E+03	-3.498E+03	-2.497E+03	2.745E+00	-1.006E+01	5.940E-01	6.397E+03	-4.128E+03	-2.471E-01
273	2	20417.74	-136.45	47.40	2	1.862E+00	-1.423E+00	-4.966E+00	2.737E+03	-5.367E+03	2.722E+02	5.450E+00	-5.012E+00	-6.257E-01	2.746E+03	-5.376E+03	3.354E-02
273	3	20408.24	-125.95	47.40	1	9.873E-01	-5.118E+00	4.823E+00	2.031E+03	-1.343E+04	-8.288E+02	3.642E+00	-7.773E+00	5.032E-01	2.076E+03	-1.347E+04	-5.340E-02
273	3	20408.24	-125.95	47.40	2	-1.068E+00	-2.748E-01	-4.509E+00	2.152E+03	-1.081E+04	3.647E+02	3.856E+00	-5.198E+00	2.312E+00	2.162E+03	-1.082E+04	2.810E-02
273	4	20398.74	-136.45	47.40	1	-2.207E+00	-2.868E+00	4.745E+00	1.850E+02	-5.986E+03	-2.535E+03	2.219E+00	-7.294E+00	7.506E-01	1.093E+03	-6.893E+03	-3.439E-01
273	4	20398.74	-136.45	47.40	2	1.582E+00	-4.776E-01	-3.744E+00	8.862E+02	-6.492E+03	-8.927E+02	4.435E+00	-3.331E+00	-6.512E-01	9.927E+02	-6.598E+03	-1.187E-01
274	1	20463.24	-146.95	47.40	1	1.137E+01	-3.996E+00	2.115E+00	-5.934E+03	-3.182E+03	-1.302E+03	1.165E+01	-4.281E+00	1.343E-01	-2.664E+03	-6.453E+03	1.950E+00
274	1	20463.24	-146.95	47.40	2	-1.138E+01	3.049E-01	-3.534E+00	-2.553E+03	-1.437E+03	-1.286E+03	1.291E+00	-1.236E+01	1.843E+00	-5.931E+02	-3.397E+03	2.151E+00
274	2	20490.41	-136.45	47.40	1	7.924E+00	-3.911E-01	-1.676E+00	-8.781E+03	-7.149E+03	-4.771E+02	8.249E+00	-7.164E-01	-1.916E-01	-7.020E+03	-8.910E+03	1.835E+00
274	2	20490.41	-136.45	47.40	2	-7.990E+00	6.335E-01	1.891E-01	-7.374E+03	-7.436E+03	-8.494E+02	6.376E-01	-7.995E+00	1.549E+00	-6.555E+03	-8.255E+03	-7.672E-01
274	3	20463.24	-125.95	47.40	1	4.477E+00	-1.066E+00	2.114E+00	-5.012E+03	-7.617E+03	-2.104E+03	5.191E+00	-1.780E+00	3.258E-01	-3.839E+03	-8.790E+03	-5.082E-01
274	3	20463.24	-125.95	47.40	2	-4.607E+00	-2.573E+00	-3.534E+00	-3.953E+03	-1.081E+04	-1.967E+03	8.763E-02	-7.267E+00	2.216E+00	-3.428E+03	-1.133E+04	-2.606E-01
274	4	20436.07	-136.45	47.40	1	7.922E+00	-4.670E+00	5.905E+00	-2.166E+03	-5.720E+03	-3.300E+03	1.026E+01	-7.006E+00	3.767E-01	-1.953E+02	-7.691E+03	-5.384E-01
274	4	20436.07	-136.45	47.40	2	-7.992E+00	-2.902E+00	-7.257E+00	8.668E+02	-7.005E+03	-9.193E+02	2.243E+00	-1.314E+01	2.188E+00	9.727E+02	-7.111E+03	-1.147E-01
275	1	20544.74	-146.95	47.40	1	1.136E+01	-4.038E+00	-2.109E+00	-5.967E+03	-3.186E+03	1.279E+03	1.165E+01	-4.321E+00	-1.336E-01	-2.687E+03	-6.466E+03	1.199E+00
275	1	20544.74	-146.95	47.40	2	-1.138E+01	2.630E-01	3.539E+00	-2.521E+03	-1.388E+03	1.271E+03	1.254E+00	-1.237E+01	1.298E+00	-5.624E+02	-3.346E+03	9.950E-01
275	2	20571.91	-136.45	47.40	1	7.919E+00	-4.755E+00	-5.897E+00	-2.205E+03	-5.653E+03	3.310E+03	1.024E+01	-7.074E+00	-3.747E-01	-1.969E+02	-7.662E+03	5.453E-01
275	2	20571.91	-136.45	47.40	2	-7.995E+00	-2.987E+00	7.265E+00	9.161E+02	-6.970E+03	8.932E+02	2.193E+00	-1.318E+01	9.514E-01	1.016E+03	-7.070E+03	1.114E-01
275	3	20544.74	-125.95	47.40	1	4.476E+00	-1.109E+00	-2.108E+00	-5.017E+03	-7.560E+03	2.088E+03	5.182E+00	-1.815E+00	-3.233E-01	-3.844E+03	-8.733E+03	5.119E-01
275	3	20544.74	-125.95	47.40	2	-4.608E+00	-2.617E+00	3.540E+00	-3.941E+03	-1.082E+04	1.970E+03	6.517E-02	-7.290E+00	9.225E-01	-3.416E+03	-1.134E+04	2.602E-01
275	4	20517.57	-136.45	47.40	1	7.921E+00	-3.916E-01	1.680E+00	-8.781E+03	-7.154E+03	-4.567E+02	8.248E+00	-7.184E-01	1.921E-01	-7.035E+03	-8.900E+03	1.827E+00
275	4	20517.57	-136.45	47.40	2	-7.994E+00	6.330E-01	-1.853E-01	-7.379E+03	-7.428E+03	-8.426E+02	6.369E-01	-7.998E+00	1.592E+00	-6.560E+03	-8.246E+03	-7.710E-01
276	1	20599.74	-146.95	47.40	1	-4.463E+00	-3.864E+00	-5.884E+00	3.804E+03	4.151E+03	1.984E+03	1.728E+00	-1.006E+01	2.331E+00	5.969E+03	1.987E+03	8.290E-01
276	1	20599.74	-146.95	47.40	2	4.509E+00	-1.692E+00	4.178E+00	9.410E+02	-6.643E+02	1.952E+02	6.611E+00	-3.794E+00	4.662E-01	9.644E+02	-6.877E+02	1.193E-01
276	2	20609.24	-136.45	47.40	1	-2.213E+00	-2.916E+00	-4.762E+00	1.730E+02	-5.943E+03	2.543E+03	2.210E+00	-7.340E+00	-7.486E-01	1.092E+03	-6.862E+03	3.468E-01
276	2	20609.24	-136.45	47.40	2	1.575E+00	-5.260E-01	3.727E+00	8.886E+02	-6.459E+03	8.728E+02	4.397E+00	-3.347E+00	6.480E-01	9.909E+02	-6.562E+03	1.166E-01
276	3	20599.74	-125.95	47.40	1	9.867E-01	-5.184E+00	-4.834E+00	2.037E+03	-1.341E+04	8.331E+02	3.636E+00	-7.834E+00	-5.013E-01	2.082E+03	-1.346E+04	5.371E-02
276	3	20599.74	-125.95	47.40	2	-1.068E+00	-3.413E-01	4.498E+00	2.162E+03	-1.075E+04	-3.789E+02	3.808E+00	-5.218E+00	8.257E-01	2.173E+03	-1.076E+04	-2.931E-02
276	4	20590.24	-136.45	47.40	1	-1.263E+00	-6.132E+00	-5.956E+00	5.808E+03	-3.427E+03	2.515E+03	2.737E+00	-1.013E+01	-5.914E-01	6.449E+03	-4.067E+03	2.493E-01
276	4	20590.24	-136.45	47.40	2	1.865E+00	-1.507E+00	4.949E+00	2.714E+03	-5.335E+03	-3.076E+02	5.407E+00	-5.050E+00	6.212E-01	2.726E+03	-5.347E+03	-3.815E-02
277	1	20398.74	-60.35	47.40	1	-2.874E+00	7.421E-01	5.403E-01	-4.020E+04	-6.262E+02	-1.514E+03	8.211E-01	-2.953E+00	1.426E+00	-5.684E+02	-4.026E+04	1.609E+00
277	1	20398.74	-60.35	47.40	2	-4.189E-01	-6.372E-01	-5.482E-01	-4.083E+04	-4.096E+02	-4.371E+03	3.093E-02	-1.087E+00	-6.871E-01	5.767E+01	-4.130E+04	1.677E+00

277	2	20408.24	-100.58	47.40	1	-2.488E+00	1.382E+00	1.133E+00	-2.563E+04	-4.005E+03	1.922E+03	1.689E+00	-2.795E+00	1.306E+00	-3.836E+03	-2.580E+04	1.483E+00
277	2	20408.24	-100.58	47.40	2	-7.420E-01	-1.138E+00	-1.051E+00	-2.666E+04	-3.725E+03	-1.705E+03	1.300E-01	-2.010E+00	-6.924E-01	-3.599E+03	-2.679E+04	1.645E+00
277	3	20417.74	-60.35	47.40	1	-2.234E+00	4.546E-01	5.091E-01	-4.000E+04	-1.294E+03	2.312E+03	5.478E-01	-2.328E+00	1.390E+00	-1.156E+03	-4.013E+04	1.511E+00
277	3	20417.74	-60.35	47.40	2	-9.604E-01	-3.937E-01	-5.235E-01	-4.089E+04	-1.532E+03	-5.475E+02	-8.178E-02	-1.272E+00	2.108E+00	-1.524E+03	-4.090E+04	1.585E+00
277	4	20408.24	-20.12	47.40	1	-2.620E+00	-1.851E-01	-8.389E-02	-5.468E+04	9.698E+02	9.972E+02	-1.822E-01	-2.623E+00	1.605E+00	9.876E+02	-5.470E+04	1.553E+00
277	4	20408.24	-20.12	47.40	2	-6.373E-01	1.067E-01	-2.037E-02	-5.517E+04	6.503E+02	-2.047E+03	1.073E-01	-6.379E-01	1.598E+00	7.252E+02	-5.524E+04	1.607E+00
278	1	20436.07	-60.35	47.40	1	-1.987E+00	2.105E+00	6.402E-01	-4.122E+04	-5.268E+03	2.612E+03	2.203E+00	-2.085E+00	1.419E+00	-5.079E+03	-4.140E+04	1.499E+00
278	1	20436.07	-60.35	47.40	2	-1.208E+00	-2.041E+00	-2.943E-01	-4.168E+04	-2.650E+03	1.769E+02	-1.114E+00	-2.135E+00	-3.074E-01	-2.649E+03	-4.168E+04	1.566E+00
278	2	20463.24	-100.58	47.40	1	-2.201E+00	4.307E+00	9.453E-01	-1.991E+04	-1.858E+04	3.102E+03	4.441E+00	-2.336E+00	1.429E+00	-1.607E+04	-2.241E+04	8.911E-01
278	2	20463.24	-100.58	47.40	2	-4.251E-01	-4.285E+00	-2.668E-01	-2.026E+04	-1.375E+04	1.256E+03	-4.067E-01	-4.303E+00	-6.870E-02	-1.352E+04	-2.049E+04	1.387E+00
278	3	20490.41	-60.35	47.40	1	-1.721E+00	2.010E+00	1.109E+00	-3.905E+04	-2.226E+04	1.689E+03	2.315E+00	-2.026E+00	1.302E+00	-2.209E+04	-3.921E+04	1.472E+00
278	3	20490.41	-60.35	47.40	2	-2.848E-01	-2.371E+00	-7.279E-01	-4.027E+04	-2.052E+04	1.128E+03	-5.593E-02	-2.600E+00	-3.047E-01	-2.045E+04	-4.034E+04	1.514E+00
278	4	20463.24	-20.12	47.40	1	-1.506E+00	-1.923E-01	8.044E-01	-5.767E+04	-1.712E+04	2.510E+03	1.893E-01	-1.888E+00	1.128E+00	-1.697E+04	-5.783E+04	1.509E+00
278	4	20463.24	-20.12	47.40	2	-1.067E+00	-1.274E-01	-7.554E-01	-5.916E+04	-1.713E+04	1.246E+03	2.922E-01	-1.487E+00	2.078E+00	-1.709E+04	-5.920E+04	1.541E+00
279	1	20517.57	-60.35	47.40	1	-1.721E+00	2.004E+00	-1.111E+00	-3.905E+04	-2.228E+04	1.689E+03	2.310E+00	-2.028E+00	1.840E+00	-2.211E+04	-3.922E+04	1.471E+00
279	1	20517.57	-60.35	47.40	2	-2.857E-01	-2.377E+00	7.265E-01	-4.027E+04	-2.050E+04	1.138E+03	-5.806E-02	-2.604E+00	3.036E-01	-2.044E+04	-4.033E+04	1.513E+00
279	2	20544.74	-100.58	47.40	1	-2.222E+00	4.309E+00	-9.571E-01	-1.990E+04	-1.862E+04	-3.084E+03	4.446E+00	-2.359E+00	1.713E+00	-1.611E+04	-2.241E+04	2.254E+00
279	2	20544.74	-100.58	47.40	2	-4.458E-01	-4.283E+00	2.550E-01	-2.024E+04	-1.371E+04	-1.249E+03	-4.289E-01	-4.299E+00	6.608E-02	-1.348E+04	-2.047E+04	1.753E+00
279	3	20571.91	-60.35	47.40	1	-2.027E+00	2.113E+00	-6.414E-01	-4.120E+04	-5.287E+03	-2.628E+03	2.210E+00	-2.124E+00	1.721E+00	-5.096E+03	-4.139E+04	1.643E+00
279	3	20571.91	-60.35	47.40	2	-1.248E+00	-2.033E+00	2.930E-01	-4.167E+04	-2.618E+03	-1.684E+02	-1.151E+00	-2.130E+00	3.207E-01	-2.617E+03	-4.167E+04	1.575E+00
279	4	20544.74	-20.12	47.40	1	-1.527E+00	-1.918E-01	-7.953E-01	-5.766E+04	-1.712E+04	-2.514E+03	1.791E-01	-1.897E+00	2.007E+00	-1.697E+04	-5.782E+04	1.632E+00
279	4	20544.74	-20.12	47.40	2	-1.088E+00	-1.269E-01	7.644E-01	-5.916E+04	-1.712E+04	-1.244E+03	2.956E-01	-1.510E+00	1.066E+00	-1.709E+04	-5.920E+04	1.600E+00
280	1	20590.24	-60.35	47.40	1	-2.276E+00	4.542E-01	-5.052E-01	-3.997E+04	-1.294E+03	-2.326E+03	5.447E-01	-2.366E+00	1.748E+00	-1.154E+03	-4.011E+04	1.631E+00
280	1	20590.24	-60.35	47.40	2	-1.002E+00	-3.943E-01	5.274E-01	-4.088E+04	-1.533E+03	5.699E+02	-8.947E-02	-1.307E+00	1.047E+00	-1.525E+03	-4.089E+04	1.556E+00
280	2	20599.74	-100.58	47.40	1	-2.534E+00	1.384E+00	-1.138E+00	-2.559E+04	-4.013E+03	-1.948E+03	1.691E+00	-2.840E+00	1.834E+00	-3.838E+03	-2.577E+04	1.660E+00
280	2	20599.74	-100.58	47.40	2	-7.879E-01	-1.135E+00	1.047E+00	-2.665E+04	-3.717E+03	1.734E+03	9.984E-02	-2.023E+00	7.032E-01	-3.587E+03	-2.678E+04	1.496E+00
280	3	20609.24	-60.35	47.40	1	-2.924E+00	7.454E-01	-5.364E-01	-4.018E+04	-6.257E+02	1.502E+03	8.222E-01	-3.001E+00	1.713E+00	-5.688E+02	-4.024E+04	1.533E+00
280	3	20609.24	-60.35	47.40	2	-4.692E-01	-6.338E-01	5.521E-01	-4.082E+04	-4.028E+02	4.396E+03	6.731E-03	-1.110E+00	7.114E-01	6.971E+01	-4.130E+04	1.464E+00
280	4	20599.74	-20.12	47.40	1	-2.666E+00	-1.847E-01	9.594E-02	-5.467E+04	9.781E+02	-2.069E+03	-1.810E-01	-2.669E+00	1.532E+00	1.055E+03	-5.475E+04	1.608E+00
280	4	20599.74	-20.12	47.40	2	-6.834E-01	1.071E-01	3.245E-02	-5.516E+04	6.490E+02	1.016E+03	1.084E-01	-6.847E-01	1.530E+00	6.675E+02	-5.518E+04	1.553E+00
281	1	20398.74	60.35	47.40	1	-4.637E-01	-6.358E-01	5.484E-01	-4.081E+04	-4.090E+02	4.372E+03	5.367E-03	-1.105E+00	7.076E-01	5.871E+01	-4.127E+04	1.464E+00
281	1	20398.74	60.35	47.40	2	-2.829E+00	7.407E-01	-5.404E-01	-4.023E+04	-6.268E+02	1.513E+03	8.207E-01	-2.909E+00	1.718E+00	-5.691E+02	-4.029E+04	1.533E+00
281	2	20408.24	20.12	47.40	1	-6.816E-01	1.057E-01	2.195E-02	-5.514E+04	6.505E+02	9.973E+02	1.063E-01	-6.822E-01	1.543E+00	6.683E+02	-5.516E+04	1.553E+00
281	2	20408.24	20.12	47.40	2	-2.576E+00	-1.840E-01	8.231E-02	-5.470E+04	9.696E+02	-2.047E+03	-1.812E-01	-2.578E+00	1.536E+00	1.045E+03	-5.478E+04	1.607E+00
281	3	20417.74	60.35	47.40	1	-1.004E+00	-3.929E-01	5.238E-01	-4.086E+04	-1.532E+03	5.478E+02	-9.202E-02	-1.305E+00	1.049E+00	-1.524E+03	-4.087E+04	1.557E+00
281	3	20417.74	60.35	47.40	2	-2.191E+00	4.538E-01	-5.094E-01	-4.002E+04	-1.294E+03	-2.313E+03	5.485E-01	-2.286E+00	1.755E+00	-1.156E+03	-4.016E+04	1.630E+00
281	4	20408.24	100.58	47.40	1	-7.859E-01	-1.134E+00	1.050E+00	-2.664E+04	-3.724E+03	1.706E+03	1.044E-01	-2.025E+00	7.032E-01	-3.597E+03	-2.676E+04	1.497E+00
281	4	20408.24	100.58	47.40	2	-2.444E+00	1.379E+00	-1.132E+00	-2.565E+04	-4.006E+03	-1.923E+03	1.689E+00	-2.754E+00	1.838E+00	-3.837E+03	-2.582E+04	1.659E+00
282	1	20436.07	60.35	47.40	1	-1.251E+00	-2.040E+00	2.896E-01	-4.165E+04	-2.650E+03	-1.772E+02	-1.156E+00	-2.135E+00	3.166E-01	-2.649E+03	-4.165E+04	1.575E+00
282	1	20436.07	60.35	47.40	2	-1.943E+00	2.104E+00	-6.355E-01	-4.124E+04	-5.268E+03	-2.611E+03	2.201E+00	-2.041E+00	1.723E+00	-5.080E+03	-4.143E+04	1.643E+00
282	2	20463.24	20.12	47.40	1	-1.102E+00	-1.317E-01	7.548E-01	-5.914E+04	-1.713E+04	2.510E+03	2.804E-01	-1.514E+00	1.071E+00	-1.698E+04	-5.928E+04	1.511E+00
282	2	20463.24	20.12	47.40	2	-1.471E+00	-1.881E-01	-8.039E-01	-5.770E+04	-1.712E+04	1.246E+03	1.988E-01	-1.858E+00	2.019E+00	-1.709E+04	-5.773E+04	1.540E+00
282	3	20490.41	60.35	47.40	1	-3.117E-01	-2.376E+00	7.228E-01	-4.025E+04	-2.052E+04	-1.128E+03	-8.373E-02	-2.604E+00	3.055E-01	-2.045E+04	-4.031E+04	1.628E+00

282	3	20490.41	60.35	47.40	2	-1.694E+00	2.015E+00	-1.104E+00	-3.907E+04	-2.226E+04	-1.688E+03	2.318E+00	-1.998E+00	1.839E+00	-2.209E+04	-3.924E+04	1.670E+00
282	4	20463.24	100.58	47.40	1	-4.605E-01	-4.284E+00	2.576E-01	-2.023E+04	-1.375E+04	-1.256E+03	-4.432E-01	-4.302E+00	6.696E-02	-1.352E+04	-2.047E+04	1.756E+00
282	4	20463.24	100.58	47.40	2	-2.166E+00	4.306E+00	-9.360E-01	-1.993E+04	-1.858E+04	-3.102E+03	4.439E+00	-2.298E+00	1.712E+00	-1.608E+04	-2.243E+04	2.249E+00
283	1	20517.57	60.35	47.40	1	-3.125E-01	-2.382E+00	-7.214E-01	-4.025E+04	-2.051E+04	-1.138E+03	-8.585E-02	-2.608E+00	-3.045E-01	-2.044E+04	-4.031E+04	1.628E+00
283	1	20517.57	60.35	47.40	2	-1.695E+00	2.009E+00	1.106E+00	-3.907E+04	-2.228E+04	-1.688E+03	2.314E+00	-2.000E+00	1.302E+00	-2.211E+04	-3.924E+04	1.670E+00
283	2	20544.74	20.12	47.40	1	-1.122E+00	-1.311E-01	-7.639E-01	-5.914E+04	-1.712E+04	-2.513E+03	2.838E-01	-1.537E+00	2.068E+00	-1.697E+04	-5.929E+04	1.630E+00
283	2	20544.74	20.12	47.40	2	-1.492E+00	-1.875E-01	7.948E-01	-5.768E+04	-1.712E+04	-1.245E+03	1.884E-01	-1.868E+00	1.129E+00	-1.708E+04	-5.772E+04	1.601E+00
283	3	20571.91	60.35	47.40	1	-1.291E+00	-2.032E+00	-2.883E-01	-4.164E+04	-2.618E+03	1.686E+02	-1.192E+00	-2.131E+00	-3.308E-01	-2.617E+03	-4.164E+04	1.566E+00
283	3	20571.91	60.35	47.40	2	-1.984E+00	2.112E+00	6.368E-01	-4.122E+04	-5.288E+03	2.627E+03	2.209E+00	-2.081E+00	1.420E+00	-5.096E+03	-4.141E+04	1.498E+00
283	4	20544.74	100.58	47.40	1	-4.811E-01	-4.282E+00	-2.458E-01	-2.022E+04	-1.371E+04	1.249E+03	-4.653E-01	-4.298E+00	-6.432E-02	-1.348E+04	-2.045E+04	1.388E+00
283	4	20544.74	100.58	47.40	2	-2.187E+00	4.308E+00	9.479E-01	-1.992E+04	-1.862E+04	3.084E+03	4.444E+00	-2.322E+00	1.429E+00	-1.612E+04	-2.242E+04	8.896E-01
284	1	20590.24	60.35	47.40	1	-1.045E+00	-3.935E-01	-5.277E-01	-4.086E+04	-1.533E+03	-5.703E+02	-9.919E-02	-1.340E+00	2.080E+00	-1.525E+03	-4.087E+04	1.585E+00
284	1	20590.24	60.35	47.40	2	-2.233E+00	4.534E-01	5.055E-01	-4.000E+04	-1.294E+03	2.327E+03	5.454E-01	-2.325E+00	1.391E+00	-1.154E+03	-4.014E+04	1.511E+00
284	2	20599.74	20.12	47.40	1	-7.275E-01	1.061E-01	-3.398E-02	-5.514E+04	6.493E+02	-2.069E+03	1.074E-01	-7.288E-01	1.611E+00	7.259E+02	-5.521E+04	1.608E+00
284	2	20599.74	20.12	47.40	2	-2.622E+00	-1.836E-01	-9.441E-02	-5.469E+04	9.778E+02	1.016E+03	-1.800E-01	-2.625E+00	1.609E+00	9.964E+02	-5.471E+04	1.553E+00
284	3	20609.24	60.35	47.40	1	-5.138E-01	-6.323E-01	-5.523E-01	-4.080E+04	-4.021E+02	-4.396E+03	-1.763E-02	-1.128E+00	-7.319E-01	7.082E+01	-4.127E+04	1.678E+00
284	3	20609.24	60.35	47.40	2	-2.879E+00	7.439E-01	5.366E-01	-4.021E+04	-6.264E+02	-1.501E+03	8.217E-01	-2.957E+00	1.427E+00	-5.695E+02	-4.026E+04	1.609E+00
284	4	20599.74	100.58	47.40	1	-8.316E-01	-1.132E+00	-1.046E+00	-2.663E+04	-3.716E+03	-1.735E+03	7.491E-02	-2.038E+00	-7.141E-01	-3.585E+03	-2.676E+04	1.646E+00
284	4	20599.74	100.58	47.40	2	-2.490E+00	1.381E+00	1.136E+00	-2.562E+04	-4.014E+03	1.949E+03	1.690E+00	-2.799E+00	1.305E+00	-3.839E+03	-2.579E+04	1.482E+00
285	1	20408.24	125.95	47.40	1	-1.069E+00	-3.480E-01	4.505E+00	2.156E+03	-1.079E+04	-3.660E+02	3.811E+00	-5.228E+00	8.253E-01	2.167E+03	-1.080E+04	-2.825E-02
285	1	20408.24	125.95	47.40	2	9.884E-01	-5.045E+00	-4.818E+00	2.027E+03	-1.346E+04	8.302E+02	3.656E+00	-7.713E+00	-5.057E-01	2.071E+03	-1.350E+04	5.340E-02
285	2	20417.74	136.45	47.40	1	1.870E+00	-1.525E+00	4.953E+00	2.743E+03	-5.331E+03	-2.741E+02	5.408E+00	-5.063E+00	6.203E-01	2.752E+03	-5.340E+03	-3.390E-02
285	2	20417.74	136.45	47.40	2	-1.275E+00	-5.947E+00	-5.926E+00	5.761E+03	-3.534E+03	2.498E+03	2.759E+00	-9.981E+00	-5.976E-01	6.390E+03	-4.163E+03	2.466E-01
285	3	20408.24	146.95	47.40	1	4.512E+00	-1.700E+00	4.178E+00	9.709E+02	-6.315E+02	2.116E+02	6.612E+00	-3.800E+00	4.658E-01	9.984E+02	-6.589E+02	1.291E-01
285	3	20408.24	146.95	47.40	2	-4.461E+00	-3.725E+00	-5.839E+00	3.768E+03	4.031E+03	1.961E+03	1.757E+00	-9.944E+00	2.325E+00	5.865E+03	1.934E+03	8.189E-01
285	4	20398.74	136.45	47.40	1	1.573E+00	-5.230E-01	3.730E+00	8.827E+02	-6.465E+03	8.915E+02	4.400E+00	-3.349E+00	6.484E-01	9.893E+02	-6.572E+03	1.190E-01
285	4	20398.74	136.45	47.40	2	-2.198E+00	-2.822E+00	-4.731E+00	1.886E+02	-6.012E+03	2.536E+03	2.231E+00	-7.252E+00	-7.525E-01	1.094E+03	-6.917E+03	3.428E-01
286	1	20463.24	125.95	47.40	1	-4.609E+00	-2.622E+00	3.553E+00	-3.951E+03	-1.079E+04	1.966E+03	7.396E-02	-7.305E+00	9.217E-01	-3.425E+03	-1.131E+04	2.610E-01
286	1	20463.24	125.95	47.40	2	4.479E+00	-1.016E+00	-2.133E+00	-5.014E+03	-7.637E+03	2.105E+03	5.209E+00	-1.747E+00	-3.301E-01	-3.845E+03	-8.806E+03	5.068E-01
286	2	20490.41	136.45	47.40	1	-7.991E+00	6.367E-01	-1.692E-01	-7.374E+03	-7.423E+03	8.486E+02	6.400E-01	-7.995E+00	1.590E+00	-6.550E+03	-8.248E+03	7.707E-01
286	2	20490.41	136.45	47.40	2	7.925E+00	-3.944E-01	1.657E+00	-8.781E+03	-7.161E+03	4.779E+02	8.243E+00	-7.121E-01	1.895E-01	-7.031E+03	-8.912E+03	1.304E+00
286	3	20463.24	146.95	47.40	1	-1.138E+01	2.549E-01	3.553E+00	-2.550E+03	-1.416E+03	1.279E+03	1.254E+00	-1.238E+01	1.297E+00	-5.839E+02	-3.382E+03	9.941E-01
286	3	20463.24	146.95	47.40	2	1.137E+01	-3.946E+00	-2.134E+00	-5.937E+03	-3.203E+03	1.309E+03	1.166E+01	-4.237E+00	-1.359E-01	-2.678E+03	-6.463E+03	1.189E+00
286	4	20436.07	136.45	47.40	1	-7.993E+00	-3.004E+00	7.275E+00	8.715E+02	-6.969E+03	9.176E+02	2.192E+00	-1.319E+01	9.506E-01	9.775E+02	-7.075E+03	1.150E-01
286	4	20436.07	136.45	47.40	2	7.923E+00	-4.568E+00	-5.923E+00	-2.171E+03	-5.756E+03	3.302E+03	1.029E+01	-6.930E+00	-3.795E-01	-2.067E+02	-7.720E+03	5.367E-01
287	1	20544.74	125.95	47.40	1	-4.610E+00	-2.666E+00	-3.559E+00	-3.939E+03	-1.080E+04	-1.970E+03	5.176E-02	-7.327E+00	2.223E+00	-3.413E+03	-1.132E+04	-2.606E-01
287	1	20544.74	125.95	47.40	2	4.477E+00	-1.060E+00	2.127E+00	-5.020E+03	-7.580E+03	-2.089E+03	5.200E+00	-1.782E+00	3.275E-01	-3.850E+03	-8.750E+03	-5.104E-01
287	2	20571.91	136.45	47.40	1	-7.996E+00	-3.089E+00	-7.283E+00	9.209E+02	-6.934E+03	-8.914E+02	2.143E+00	-1.323E+01	2.194E+00	1.021E+03	-7.034E+03	-1.116E-01
287	2	20571.91	136.45	47.40	2	7.920E+00	-4.653E+00	5.915E+00	-2.210E+03	-5.690E+03	-3.312E+03	1.026E+01	-6.998E+00	3.775E-01	-2.086E+02	-7.691E+03	-5.436E-01
287	3	20544.74	146.95	47.40	1	-1.138E+01	2.131E-01	-3.558E+00	-2.518E+03	-1.366E+03	-1.272E+03	1.218E+00	-1.239E+01	1.846E+00	-5.458E+02	-3.339E+03	2.144E+00
287	3	20544.74	146.95	47.40	2	1.136E+01	-3.988E+00	2.128E+00	-5.970E+03	-3.207E+03	-1.278E+03	1.165E+01	-4.277E+00	1.352E-01	-2.706E+03	-6.471E+03	1.944E+00
287	4	20517.57	136.45	47.40	1	-7.995E+00	6.362E-01	1.654E-01	-7.379E+03	-7.416E+03	8.415E+02	6.394E-01	-7.998E+00	1.552E+00	-6.556E+03	-8.239E+03	7.746E-01
287	4	20517.57	136.45	47.40	2	7.922E+00	-3.949E-01	-1.660E+00	-8.781E+03	-7.167E+03	4.578E+02	8.241E+00	-7.141E-01	-1.899E-01	-7.046E+03	-8.901E+03	1.313E+00

288	1	20599.74	125.95	47.40	1	-1.069E+00	-4.142E-01	-4.494E+00	2.166E+03	-1.072E+04	3.803E+02	3.764E+00	-5.247E+00	2.320E+00	2.177E+03	-1.073E+04	2.948E-02
288	1	20599.74	125.95	47.40	2	9.878E-01	-5.111E+00	4.830E+00	2.033E+03	-1.344E+04	-8.345E+02	3.650E+00	-7.774E+00	5.038E-01	2.078E+03	-1.349E+04	-5.371E-02
288	2	20609.24	136.45	47.40	1	1.567E+00	-5.713E-01	-3.713E+00	8.850E+02	-6.433E+03	-8.715E+02	4.362E+00	-3.366E+00	-6.452E-01	9.874E+02	-6.535E+03	-1.169E-01
288	2	20609.24	136.45	47.40	2	-2.205E+00	-2.871E+00	4.748E+00	1.766E+02	-5.970E+03	-2.544E+03	2.222E+00	-7.298E+00	7.504E-01	1.093E+03	-6.886E+03	-3.457E-01
288	3	20599.74	146.95	47.40	1	4.509E+00	-1.766E+00	-4.155E+00	9.437E+02	-6.347E+02	-1.994E+02	6.578E+00	-3.835E+00	-4.620E-01	9.685E+02	-6.595E+02	-1.237E-01
288	3	20599.74	146.95	47.40	2	-4.464E+00	-3.791E+00	5.862E+00	3.802E+03	4.121E+03	-1.979E+03	1.744E+00	-9.999E+00	8.141E-01	5.947E+03	1.976E+03	2.316E+00
288	4	20590.24	136.45	47.40	1	1.873E+00	-1.608E+00	-4.936E+00	2.720E+03	-5.298E+03	3.097E+02	5.366E+00	-5.101E+00	-6.159E-01	2.732E+03	-5.310E+03	3.855E-02
288	4	20590.24	136.45	47.40	2	-1.271E+00	-6.031E+00	5.943E+00	5.802E+03	-3.464E+03	-2.517E+03	2.751E+00	-1.005E+01	5.949E-01	6.442E+03	-4.103E+03	-2.488E-01
289	1	20408.24	157.45	47.40	1	4.458E+00	-2.055E+00	-3.296E+00	1.605E+03	1.240E+03	7.754E+02	5.836E+00	-3.432E+00	-3.957E-01	2.219E+03	6.255E+02	6.698E-01
289	1	20408.24	157.45	47.40	2	-3.692E+00	1.406E+00	1.448E+00	4.237E+03	3.775E+03	2.654E+03	1.788E+00	-4.075E+00	1.312E+00	6.670E+03	1.342E+03	7.420E-01
289	2	20417.74	167.95	47.40	1	-4.713E-01	1.461E+00	-3.398E+00	2.710E+03	1.314E+03	8.448E+02	4.028E+00	-3.038E+00	2.218E+00	3.108E+03	9.163E+02	4.402E-01
289	2	20417.74	167.95	47.40	2	-4.669E-01	-1.899E-01	1.812E+00	4.852E+03	1.630E+03	7.668E+02	1.489E+00	-2.145E+00	8.235E-01	5.026E+03	1.457E+03	2.221E-01
289	3	20408.24	178.45	47.40	1	-3.924E+00	-2.421E-02	-1.663E+00	1.558E+03	6.387E+02	8.494E+02	5.888E-01	-4.537E+00	1.924E+00	2.064E+03	1.325E+02	5.374E-01
289	3	20408.24	178.45	47.40	2	2.240E+00	-3.135E-02	8.752E-01	2.172E+03	2.656E+02	1.409E+03	2.538E+00	-3.295E-01	3.283E-01	2.920E+03	-4.823E+02	4.880E-01
289	4	20398.74	167.95	47.40	1	1.006E+00	-3.540E+00	-1.561E+00	7.612E+01	8.514E+02	7.587E+02	1.491E+00	-4.024E+00	-3.009E-01	1.316E+03	-3.882E+02	1.022E+00
289	4	20398.74	167.95	47.40	2	-9.851E-01	1.564E+00	5.116E-01	7.778E+02	3.004E+03	1.731E+03	1.663E+00	-1.084E+00	1.380E+00	3.949E+03	-1.671E+02	1.071E+00
290	1	20463.24	157.45	47.40	1	-1.129E+01	8.204E-01	-1.413E+00	-2.297E+03	-2.662E+02	6.404E+02	9.830E-01	-1.145E+01	1.685E+00	-8.111E+01	-2.482E+03	1.289E+00
290	1	20463.24	157.45	47.40	2	1.188E+01	-5.582E-01	2.936E+00	-5.601E+03	-1.252E+03	1.170E+03	1.254E+01	-1.216E+00	2.206E-01	-9.570E+02	-5.895E+03	1.324E+00
290	2	20490.41	167.95	47.40	1	-1.021E+01	7.256E-01	-2.281E-01	-7.552E+03	-7.153E+02	-8.199E+01	7.304E-01	-1.022E+01	1.592E+00	-7.144E+02	-7.553E+03	1.583E+00
290	2	20490.41	167.95	47.40	2	1.113E+01	-2.033E+00	2.117E+00	-9.190E+03	-1.288E+03	2.841E+02	1.146E+01	-2.365E+00	1.556E-01	-1.278E+03	-9.200E+03	1.535E+00
290	3	20463.24	178.45	47.40	1	-9.137E+00	-9.546E-02	-1.413E+00	-2.574E+03	-4.119E+02	-2.018E+02	1.202E-01	-9.353E+00	1.722E+00	-3.932E+02	-2.593E+03	1.663E+00
290	3	20463.24	178.45	47.40	2	1.039E+01	7.553E-02	2.937E+00	-5.426E+03	-9.341E+01	4.797E+02	1.116E+01	-7.021E-01	2.589E-01	-5.059E+01	-5.468E+03	1.482E+00
290	4	20436.07	167.95	47.40	1	-1.021E+01	-6.978E-04	-2.598E+00	2.682E+03	-1.965E+02	3.668E+02	6.220E-01	-1.084E+01	1.806E+00	2.728E+03	-2.425E+02	1.248E-01
290	4	20436.07	167.95	47.40	2	1.113E+01	1.550E+00	3.756E+00	-1.837E+03	-5.550E+02	2.895E+02	1.243E+01	2.534E-01	3.324E-01	-4.927E+02	-1.899E+03	1.359E+00
291	1	20544.74	157.45	47.40	1	-1.129E+01	8.226E-01	1.407E+00	-2.271E+03	-2.610E+02	-6.231E+02	9.840E-01	-1.145E+01	1.457E+00	-8.353E+01	-2.448E+03	1.848E+00
291	1	20544.74	157.45	47.40	2	1.188E+01	-5.559E-01	-2.942E+00	-5.636E+03	-1.271E+03	-1.144E+03	1.254E+01	-1.217E+00	-2.210E-01	-9.890E+02	-5.918E+03	1.812E+00
291	2	20571.91	167.95	47.40	1	-1.022E+01	8.906E-03	2.586E+00	2.732E+03	-2.025E+02	-3.641E+02	6.257E-01	-1.083E+01	1.337E+00	2.777E+03	-2.470E+02	-1.216E-01
291	2	20571.91	167.95	47.40	2	1.113E+01	1.560E+00	-3.768E+00	-1.917E+03	-5.743E+02	-2.674E+02	1.243E+01	2.544E-01	-3.335E-01	-5.231E+02	-1.968E+03	1.760E+00
291	3	20544.74	178.45	47.40	1	-9.146E+00	-8.870E-02	1.407E+00	-2.554E+03	-4.167E+02	2.197E+02	1.250E-01	-9.360E+00	1.420E+00	-3.944E+02	-2.577E+03	1.469E+00
291	3	20544.74	178.45	47.40	2	1.038E+01	8.232E-02	-2.942E+00	-5.462E+03	-9.987E+01	-4.621E+02	1.116E+01	-6.992E-01	-2.596E-01	-6.034E+01	-5.502E+03	1.656E+00
291	4	20517.57	167.95	47.40	1	-1.022E+01	7.250E-01	2.284E-01	-7.557E+03	-7.077E+02	-9.263E+01	7.298E-01	-1.022E+01	1.550E+00	-7.065E+02	-7.559E+03	1.584E+00
291	4	20517.57	167.95	47.40	2	1.113E+01	-2.033E+00	-2.116E+00	-9.182E+03	-1.301E+03	2.566E+02	1.146E+01	-2.365E+00	-1.556E-01	-1.292E+03	-9.191E+03	1.538E+00
292	1	20599.74	157.45	47.40	1	4.464E+00	-2.065E+00	3.317E+00	1.571E+03	1.210E+03	-7.629E+02	5.854E+00	-3.454E+00	3.967E-01	2.174E+03	6.065E+02	-6.693E-01
292	1	20599.74	157.45	47.40	2	-3.686E+00	1.395E+00	-1.427E+00	4.258E+03	3.784E+03	-2.673E+03	1.769E+00	-4.059E+00	1.827E+00	6.705E+03	1.337E+03	-7.411E-01
292	2	20609.24	167.95	47.40	1	1.004E+00	-3.562E+00	1.574E+00	7.128E+01	8.335E+02	-7.482E+02	1.494E+00	-4.052E+00	3.018E-01	1.292E+03	-3.873E+02	2.121E+00
292	2	20609.24	167.95	47.40	2	-9.874E-01	1.542E+00	-4.985E-01	7.872E+02	3.022E+03	-1.733E+03	1.636E+00	-1.082E+00	1.759E+00	3.966E+03	-1.570E+02	2.070E+00
292	3	20599.74	178.45	47.40	1	-3.943E+00	-2.811E-02	1.674E+00	1.545E+03	6.433E+02	-8.440E+02	5.901E-01	-4.561E+00	1.217E+00	2.051E+03	1.373E+02	-5.401E-01
292	3	20599.74	178.45	47.40	2	2.220E+00	-3.527E-02	-8.644E-01	2.152E+03	2.556E+02	-1.406E+03	2.513E+00	-3.284E-01	-3.270E-01	2.900E+03	-4.916E+02	-4.886E-01
292	4	20590.24	167.95	47.40	1	-4.828E-01	1.469E+00	3.417E+00	2.673E+03	1.303E+03	-8.263E+02	4.047E+00	-3.060E+00	9.245E-01	3.061E+03	9.146E+02	-4.393E-01
292	4	20590.24	167.95	47.40	2	-4.781E-01	-1.814E-01	-1.793E+00	4.845E+03	1.610E+03	-7.653E+02	1.469E+00	-2.129E+00	2.315E+00	5.017E+03	1.439E+03	-2.210E-01
293	1	22961.74	-167.95	49.95	1	-3.197E-09	-2.131E-08	8.994E-16	1.849E+03	3.561E+02	1.277E+03	-3.197E-09	-2.131E-08	4.965E-08	2.582E+03	-3.768E+02	5.209E-01
293	1	22961.74	-167.95	49.95	2	3.197E-09	2.131E-08	8.994E-16	1.849E+03	3.561E+02	1.277E+03	2.131E-08	3.197E-09	1.571E+00	2.582E+03	-3.768E+02	5.209E-01
293	2	22971.24	-178.45	49.95	1	-4.520E-14	4.206E-14	8.195E-09	5.189E+02	2.095E+03	1.179E+03	8.195E-09	-8.195E-09	7.854E-01	2.726E+03	-1.115E+02	1.080E+00

293	2	22971.24	-178.45	49.95	2	-4.498E-14	4.228E-14	-8.195E-09	5.190E+02	2.095E+03	1.180E+03	8.195E-09	-8.195E-09	-7.854E-01	2.726E+03	-1.115E+02	1.080E+00
293	3	22980.74	-167.95	49.95	1	3.197E-09	2.131E-08	-1.110E-16	1.751E+03	4.159E+03	8.999E+02	2.131E-08	3.197E-09	1.571E+00	4.458E+03	1.452E+03	1.250E+00
293	3	22980.74	-167.95	49.95	2	-3.197E-09	-2.131E-08	1.110E-16	1.751E+03	4.159E+03	9.000E+02	-3.197E-09	-2.131E-08	6.129E-09	4.458E+03	1.452E+03	1.250E+00
293	4	22971.24	-157.45	49.95	1	-2.945E-14	4.823E-14	-8.195E-09	2.611E+03	3.036E+03	1.571E+03	8.195E-09	-8.195E-09	-7.854E-01	4.409E+03	1.238E+03	8.527E-01
293	4	22971.24	-157.45	49.95	2	-3.009E-14	4.759E-14	8.195E-09	2.611E+03	3.036E+03	1.571E+03	8.195E-09	-8.195E-09	7.854E-01	4.409E+03	1.239E+03	8.527E-01
294	1	22999.07	-167.95	49.95	1	-1.118E-09	-7.453E-09	-7.778E-15	-1.655E+02	7.168E+02	4.555E+02	-1.118E-09	-7.453E-09	-1.228E-06	9.098E+02	-3.585E+02	1.170E+00
294	1	22999.07	-167.95	49.95	2	1.118E-09	7.453E-09	-7.889E-15	-1.656E+02	7.168E+02	4.555E+02	7.453E-09	1.118E-09	1.571E+00	9.098E+02	-3.585E+02	1.170E+00
294	2	23026.24	-178.45	49.95	1	-6.067E-14	4.109E-14	8.195E-09	-2.826E+02	-3.963E+03	3.127E+02	8.195E-09	-8.195E-09	7.854E-01	-2.562E+02	-3.989E+03	8.417E-02
294	2	23026.24	-178.45	49.95	2	-6.064E-14	4.111E-14	-8.195E-09	-2.826E+02	-3.963E+03	3.127E+02	8.195E-09	-8.195E-09	-7.854E-01	-2.562E+02	-3.989E+03	8.417E-02
294	3	23053.41	-167.95	49.95	1	1.118E-09	7.452E-09	-1.110E-16	-1.251E+03	-8.570E+03	-1.121E+02	7.452E-09	1.118E-09	1.571E+00	-1.249E+03	-8.571E+03	-1.531E-02
294	3	23053.41	-167.95	49.95	2	-1.118E-09	-7.453E-09	1.110E-16	-1.251E+03	-8.570E+03	-1.121E+02	-1.118E-09	-7.453E-09	1.753E-08	-1.249E+03	-8.572E+03	-1.531E-02
294	4	23026.24	-157.45	49.95	1	-4.693E-14	2.823E-14	-8.195E-09	-7.641E+02	-3.890E+03	1.222E+03	8.195E-09	-8.195E-09	-7.854E-01	-3.433E+02	-4.311E+03	3.317E-01
294	4	23026.24	-157.45	49.95	2	-4.699E-14	2.817E-14	8.195E-09	-7.642E+02	-3.890E+03	1.222E+03	8.195E-09	-8.195E-09	7.854E-01	-3.433E+02	-4.311E+03	3.317E-01
295	1	23080.57	-167.95	49.95	1	-1.118E-09	-7.453E-09	8.803E-15	-1.262E+03	-8.562E+03	-1.186E+02	-1.118E-09	-7.453E-09	1.390E-06	-1.260E+03	-8.563E+03	-1.624E-02
295	1	23080.57	-167.95	49.95	2	1.118E-09	7.453E-09	8.747E-15	-1.262E+03	-8.562E+03	-1.186E+02	7.453E-09	1.118E-09	1.571E+00	-1.260E+03	-8.564E+03	-1.624E-02
295	2	23107.74	-178.45	49.95	1	-5.285E-14	5.067E-14	8.195E-09	-3.002E+02	-3.999E+03	-2.401E+02	8.195E-09	-8.195E-09	7.854E-01	-2.847E+02	-4.014E+03	-6.455E-02
295	2	23107.74	-178.45	49.95	2	-5.284E-14	5.068E-14	-8.195E-09	-3.002E+02	-3.999E+03	-2.401E+02	8.195E-09	-8.195E-09	-7.854E-01	-2.847E+02	-4.015E+03	-6.455E-02
295	3	23134.91	-167.95	49.95	1	1.118E-09	7.453E-09	-5.551E-17	-1.977E+02	6.466E+02	-3.948E+02	7.453E-09	1.118E-09	1.571E+00	8.025E+02	-3.535E+02	1.947E+00
295	3	23134.91	-167.95	49.95	2	-1.118E-09	-7.453E-09	5.551E-17	-1.977E+02	6.466E+02	-3.948E+02	-1.118E-09	-7.453E-09	8.763E-09	8.025E+02	-3.535E+02	1.947E+00
295	4	23107.74	-157.45	49.95	1	-4.074E-14	4.708E-14	-8.195E-09	-7.822E+02	-3.916E+03	-1.139E+03	8.195E-09	-8.195E-09	-7.854E-01	-4.122E+02	-4.286E+03	-3.142E-01
295	4	23107.74	-157.45	49.95	2	-4.085E-14	4.697E-14	8.195E-09	-7.822E+02	-3.916E+03	-1.139E+03	8.195E-09	-8.195E-09	7.854E-01	-4.122E+02	-4.286E+03	-3.142E-01
296	1	23153.24	-167.95	49.95	1	-3.197E-09	-2.131E-08	1.015E-15	1.704E+03	4.060E+03	-8.440E+02	-3.197E-09	-2.131E-08	5.604E-08	4.331E+03	1.432E+03	1.882E+00
296	1	23153.24	-167.95	49.95	2	3.197E-09	2.131E-08	1.084E-15	1.704E+03	4.060E+03	-8.441E+02	2.131E-08	3.197E-09	1.571E+00	4.331E+03	1.432E+03	1.882E+00
296	2	23162.74	-178.45	49.95	1	-3.683E-14	5.083E-14	8.195E-09	5.074E+02	2.022E+03	-1.142E+03	8.195E-09	-8.195E-09	7.854E-01	2.635E+03	-1.055E+02	2.063E+00
296	2	23162.74	-178.45	49.95	2	-3.669E-14	5.096E-14	-8.195E-09	5.074E+02	2.022E+03	-1.142E+03	8.195E-09	-8.195E-09	-7.854E-01	2.635E+03	-1.055E+02	2.063E+00
296	3	23172.24	-167.95	49.95	1	3.197E-09	2.131E-08	1.735E-16	1.789E+03	3.410E+02	-1.233E+03	2.131E-08	3.197E-09	1.571E+00	2.495E+03	-3.653E+02	-5.200E-01
296	3	23172.24	-167.95	49.95	2	-3.197E-09	-2.131E-08	-1.735E-16	1.789E+03	3.410E+02	-1.234E+03	-3.197E-09	-2.131E-08	-9.576E-09	2.495E+03	-3.653E+02	-5.200E-01
296	4	23162.74	-157.45	49.95	1	-3.113E-14	4.185E-14	-8.195E-09	2.528E+03	2.979E+03	-1.518E+03	8.195E-09	-8.195E-09	-7.854E-01	4.288E+03	1.219E+03	2.282E+00
296	4	23162.74	-157.45	49.95	2	-3.115E-14	4.184E-14	8.195E-09	2.528E+03	2.979E+03	-1.518E+03	8.195E-09	-8.195E-09	7.854E-01	4.288E+03	1.219E+03	2.282E+00
297	1	22971.24	-146.95	49.95	1	2.814E-14	6.161E-17	-8.195E-09	2.281E+03	6.523E+02	-9.504E+02	8.195E-09	-8.195E-09	-7.854E-01	2.718E+03	2.151E+02	-4.311E-01
297	1	22971.24	-146.95	49.95	2	2.775E-14	-3.825E-16	8.195E-09	2.281E+03	6.523E+02	-9.504E+02	8.195E-09	-8.195E-09	7.854E-01	2.719E+03	2.152E+02	-4.311E-01
297	2	22980.74	-136.45	49.95	1	2.131E-08	3.197E-09	-2.218E-24	4.037E+03	-5.714E+03	-1.207E+03	2.131E-08	3.197E-09	-1.225E-16	4.184E+03	-5.861E+03	-1.214E-01
297	2	22980.74	-136.45	49.95	2	-2.131E-08	-3.197E-09	2.218E-24	4.037E+03	-5.714E+03	-1.207E+03	-3.197E-09	-2.131E-08	1.571E+00	4.185E+03	-5.861E+03	-1.214E-01
297	3	22971.24	-125.95	49.95	1	6.530E-14	-3.918E-14	8.195E-09	1.934E+03	-1.317E+04	-2.949E+02	8.195E-09	-8.195E-09	7.854E-01	1.940E+03	-1.317E+04	-1.952E-02
297	3	22971.24	-125.95	49.95	2	6.447E-14	-4.001E-14	-8.195E-09	1.934E+03	-1.317E+04	-2.950E+02	8.195E-09	-8.195E-09	-7.854E-01	1.940E+03	-1.317E+04	-1.952E-02
297	4	22961.74	-136.45	49.95	1	-2.131E-08	-3.197E-09	-1.110E-16	6.612E+02	-7.169E+03	-1.772E+03	-3.197E-09	-2.131E-08	1.571E+00	1.044E+03	-7.551E+03	-2.126E-01
297	4	22961.74	-136.45	49.95	2	2.131E-08	3.197E-09	1.110E-16	6.612E+02	-7.169E+03	-1.772E+03	2.131E-08	3.197E-09	6.129E-09	1.044E+03	-7.552E+03	-2.126E-01
298	1	23026.24	-146.95	49.95	1	-1.737E-14	-4.315E-15	-8.195E-09	-4.299E+03	-3.048E+03	-1.578E+03	8.195E-09	-8.195E-09	-7.854E-01	-1.976E+03	-5.370E+03	2.167E+00
298	1	23026.24	-146.95	49.95	2	-1.721E-14	-4.315E-15	8.195E-09	-4.299E+03	-3.048E+03	-1.578E+03	8.195E-09	-8.195E-09	7.854E-01	-1.976E+03	-5.371E+03	2.167E+00
298	2	23053.41	-136.45	49.95	1	7.452E-09	1.118E-09	2.498E-16	-8.022E+03	-7.686E+03	6.154E+02	7.452E-09	1.118E-09	3.943E-08	-7.216E+03	-8.492E+03	9.184E-01
298	2	23053.41	-136.45	49.95	2	-7.453E-09	-1.118E-09	-2.498E-16	-8.022E+03	-7.687E+03	6.155E+02	-1.118E-09	-7.453E-09	1.571E+00	-7.217E+03	-8.492E+03	9.184E-01
298	3	23026.24	-125.95	49.95	1	3.037E-14	-4.304E-14	8.195E-09	-4.519E+03	-9.902E+03	-2.097E+03	8.195E-09	-8.195E-09	7.854E-01	-3.799E+03	-1.062E+04	-3.310E-01
298	3	23026.24	-125.95	49.95	2	3.015E-14	-4.326E-14	-8.195E-09	-4.520E+03	-9.902E+03	-2.097E+03	8.195E-09	-8.195E-09	-7.854E-01	-3.799E+03	-1.062E+04	-3.310E-01

298	4	22999.07	-136.45	49.95	1	-7.453E-09	-1.118E-09	-3.879E-25	-7.981E+02	-7.637E+03	-2.197E+03	-1.118E-09	-7.453E-09	1.571E+00	-1.534E+02	-8.282E+03	-2.855E-01
298	4	22999.07	-136.45	49.95	2	7.453E-09	1.118E-09	3.879E-25	-7.982E+02	-7.638E+03	-2.197E+03	7.453E-09	1.118E-09	6.123E-17	-1.534E+02	-8.283E+03	-2.855E-01
299	1	23107.74	-146.95	49.95	1	9.685E-15	7.821E-15	-8.195E-09	-4.327E+03	-3.082E+03	1.487E+03	8.195E-09	-8.195E-09	-7.854E-01	-2.092E+03	-5.316E+03	9.836E-01
299	1	23107.74	-146.95	49.95	2	9.546E-15	7.599E-15	8.195E-09	-4.327E+03	-3.082E+03	1.487E+03	8.195E-09	-8.195E-09	7.854E-01	-2.092E+03	-5.316E+03	9.836E-01
299	2	23134.91	-136.45	49.95	1	7.453E-09	1.118E-09	1.665E-16	-8.401E+02	-7.639E+03	2.110E+03	7.453E-09	1.118E-09	2.629E-08	-2.383E+02	-8.241E+03	2.778E-01
299	2	23134.91	-136.45	49.95	2	-7.453E-09	-1.118E-09	-1.665E-16	-8.402E+02	-7.639E+03	2.110E+03	-1.118E-09	-7.453E-09	1.571E+00	-2.384E+02	-8.241E+03	2.778E-01
299	3	23107.74	-125.95	49.95	1	3.857E-14	-1.226E-14	8.195E-09	-4.534E+03	-9.873E+03	2.005E+03	8.195E-09	-8.195E-09	7.854E-01	-3.866E+03	-1.054E+04	3.221E-01
299	3	23107.74	-125.95	49.95	2	3.824E-14	-1.260E-14	-8.195E-09	-4.535E+03	-9.874E+03	2.005E+03	8.195E-09	-8.195E-09	-7.854E-01	-3.866E+03	-1.054E+04	3.221E-01
299	4	23080.57	-136.45	49.95	1	-7.453E-09	-1.118E-09	1.388E-16	-8.023E+03	-7.693E+03	6.430E+02	-1.118E-09	-7.453E-09	1.571E+00	-7.194E+03	-8.522E+03	9.109E-01
299	4	23080.57	-136.45	49.95	2	7.453E-09	1.118E-09	-1.388E-16	-8.023E+03	-7.693E+03	6.431E+02	7.453E-09	1.118E-09	-2.191E-08	-7.194E+03	-8.522E+03	9.109E-01
300	1	23162.74	-146.95	49.95	1	1.260E-16	6.744E-15	-8.195E-09	2.232E+03	5.877E+02	9.138E+02	8.195E-09	-8.195E-09	-7.854E-01	2.639E+03	1.806E+02	4.191E-01
300	1	23162.74	-146.95	49.95	2	8.039E-18	6.439E-15	8.195E-09	2.232E+03	5.878E+02	9.139E+02	8.195E-09	-8.195E-09	7.854E-01	2.639E+03	1.806E+02	4.191E-01
300	2	23172.24	-136.45	49.95	1	2.131E-08	3.197E-09	-1.110E-16	6.647E+02	-7.141E+03	1.712E+03	2.131E-08	3.197E-09	-6.129E-09	1.024E+03	-7.500E+03	2.067E-01
300	2	23172.24	-136.45	49.95	2	-2.131E-08	-3.197E-09	1.110E-16	6.647E+02	-7.141E+03	1.712E+03	-3.197E-09	-2.131E-08	1.571E+00	1.024E+03	-7.500E+03	2.067E-01
300	3	23162.74	-125.95	49.95	1	5.215E-14	-3.572E-14	8.195E-09	1.909E+03	-1.308E+04	2.629E+02	8.195E-09	-8.195E-09	7.854E-01	1.914E+03	-1.308E+04	1.753E-02
300	3	23162.74	-125.95	49.95	2	5.198E-14	-3.590E-14	-8.195E-09	1.909E+03	-1.308E+04	2.630E+02	8.195E-09	-8.195E-09	-7.854E-01	1.914E+03	-1.309E+04	1.754E-02
300	4	23153.24	-136.45	49.95	1	-2.131E-08	-3.197E-09	-1.388E-16	3.964E+03	-5.724E+03	1.142E+03	-3.197E-09	-2.131E-08	1.571E+00	4.096E+03	-5.856E+03	1.158E-01
300	4	23153.24	-136.45	49.95	2	2.131E-08	3.197E-09	1.388E-16	3.964E+03	-5.724E+03	1.142E+03	2.131E-08	3.197E-09	7.661E-09	4.097E+03	-5.857E+03	1.158E-01
301	1	22961.74	-60.35	49.95	1	-1.598E-09	-1.066E-08	-1.807E-14	-4.128E+04	-5.581E+02	-2.873E+03	-1.598E-09	-1.066E-08	-1.995E-06	-3.564E+02	-4.149E+04	1.641E+00
301	1	22961.74	-60.35	49.95	2	1.598E-09	1.066E-08	-1.785E-14	-4.128E+04	-5.580E+02	-2.872E+03	1.066E-08	1.598E-09	1.571E+00	-3.564E+02	-4.149E+04	1.641E+00
301	2	22971.24	-100.58	49.95	1	-5.166E-14	2.952E-14	1.069E-09	-2.697E+04	-3.873E+03	1.775E+02	1.069E-09	-1.069E-09	7.854E-01	-3.871E+03	-2.697E+04	1.563E+00
301	2	22971.24	-100.58	49.95	2	-5.176E-14	2.941E-14	-1.069E-09	-2.697E+04	-3.872E+03	1.778E+02	1.069E-09	-1.069E-09	-7.854E-01	-3.871E+03	-2.697E+04	1.563E+00
301	3	22980.74	-60.35	49.95	1	1.598E-09	1.066E-08	1.664E-24	-4.118E+04	-1.404E+03	9.366E+02	1.066E-08	1.598E-09	1.571E+00	-1.382E+03	-4.121E+04	1.547E+00
301	3	22980.74	-60.35	49.95	2	-1.598E-09	-1.066E-08	-1.664E-24	-4.118E+04	-1.404E+03	9.370E+02	-1.598E-09	-1.066E-08	-1.837E-16	-1.382E+03	-4.121E+04	1.547E+00
301	4	22971.24	-20.12	49.95	1	-5.638E-14	3.791E-14	-1.069E-09	-5.561E+04	7.661E+02	5.124E+02	1.069E-09	-1.069E-09	-7.854E-01	7.707E+02	-5.561E+04	1.562E+00
301	4	22971.24	-20.12	49.95	2	-5.644E-14	3.785E-14	1.069E-09	-5.561E+04	7.658E+02	5.128E+02	1.069E-09	-1.069E-09	7.854E-01	7.705E+02	-5.562E+04	1.562E+00
302	1	22999.07	-60.35	49.95	1	-5.590E-10	-3.726E-09	-3.287E-14	-4.220E+04	-4.011E+03	1.402E+03	-5.590E-10	-3.726E-09	-1.038E-05	-3.960E+03	-4.225E+04	1.534E+00
302	1	22999.07	-60.35	49.95	2	5.589E-10	3.726E-09	-3.248E-14	-4.220E+04	-4.010E+03	1.402E+03	3.726E-09	5.589E-10	1.571E+00	-3.959E+03	-4.225E+04	1.534E+00
302	2	23026.24	-100.58	49.95	1	-3.972E-14	3.195E-14	1.069E-09	-2.080E+04	-1.605E+04	2.275E+03	1.069E-09	-1.069E-09	7.854E-01	-1.513E+04	-2.172E+04	1.189E+00
302	2	23026.24	-100.58	49.95	2	-3.993E-14	3.175E-14	-1.069E-09	-2.081E+04	-1.605E+04	2.275E+03	1.069E-09	-1.069E-09	-7.854E-01	-1.514E+04	-2.172E+04	1.189E+00
302	3	23053.41	-60.35	49.95	1	5.590E-10	3.726E-09	-1.110E-16	-4.030E+04	-2.127E+04	-1.262E+03	3.726E-09	5.590E-10	1.571E+00	-2.119E+04	-4.038E+04	1.637E+00
302	3	23053.41	-60.35	49.95	2	-5.589E-10	-3.726E-09	1.110E-16	-4.030E+04	-2.127E+04	-1.262E+03	-5.589E-10	-3.726E-09	3.505E-08	-2.119E+04	-4.038E+04	1.637E+00
302	4	23026.24	-20.12	49.95	1	-3.501E-14	1.269E-13	-1.069E-09	-5.906E+04	-1.725E+04	1.862E+03	1.069E-09	-1.069E-09	-7.854E-01	-1.717E+04	-5.914E+04	1.526E+00
302	4	23026.24	-20.12	49.95	2	-3.516E-14	1.267E-13	1.069E-09	-5.906E+04	-1.725E+04	1.863E+03	1.069E-09	-1.069E-09	7.854E-01	-1.717E+04	-5.914E+04	1.526E+00
303	1	23080.57	-60.35	49.95	1	-5.589E-10	-3.726E-09	-3.208E-14	-4.025E+04	-2.099E+04	-1.211E+03	-5.589E-10	-3.726E-09	-1.013E-05	-2.092E+04	-4.032E+04	1.633E+00
303	1	23080.57	-60.35	49.95	2	5.589E-10	3.726E-09	-3.172E-14	-4.025E+04	-2.099E+04	-1.211E+03	3.726E-09	5.589E-10	1.571E+00	-2.092E+04	-4.033E+04	1.633E+00
303	2	23107.74	-100.58	49.95	1	-9.403E-15	4.611E-14	1.069E-09	-2.084E+04	-1.608E+04	-2.042E+03	1.069E-09	-1.069E-09	7.854E-01	-1.532E+04	-2.160E+04	1.925E+00
303	2	23107.74	-100.58	49.95	2	-9.636E-15	4.588E-14	-1.069E-09	-2.084E+04	-1.608E+04	-2.042E+03	1.069E-09	-1.069E-09	-7.854E-01	-1.532E+04	-2.160E+04	1.925E+00
303	3	23134.91	-60.35	49.95	1	5.590E-10	3.726E-09	-9.714E-17	-4.196E+04	-3.890E+03	-1.296E+03	3.726E-09	5.590E-10	1.571E+00	-3.846E+03	-4.200E+04	1.605E+00
303	3	23134.91	-60.35	49.95	2	-5.589E-10	-3.726E-09	9.714E-17	-4.196E+04	-3.890E+03	-1.296E+03	-5.589E-10	-3.726E-09	3.067E-08	-3.846E+03	-4.200E+04	1.605E+00
303	4	23107.74	-20.12	49.95	1	-3.996E-14	3.665E-14	-1.069E-09	-5.875E+04	-1.675E+04	-1.897E+03	1.069E-09	-1.069E-09	-7.854E-01	-1.667E+04	-5.884E+04	1.616E+00
303	4	23107.74	-20.12	49.95	2	-4.008E-14	3.653E-14	1.069E-09	-5.876E+04	-1.675E+04	-1.898E+03	1.069E-09	-1.069E-09	7.854E-01	-1.667E+04	-5.884E+04	1.616E+00
304	1	23153.24	-60.35	49.95	1	-1.598E-09	-1.066E-08	-1.666E-14	-4.096E+04	-1.402E+03	-8.355E+02	-1.598E-09	-1.066E-08	-1.839E-06	-1.385E+03	-4.098E+04	1.592E+00

304	1	23153.24	-60.35	49.95	2	1.598E-09	1.066E-08	-1.659E-14	-4.097E+04	-1.402E+03	-8.360E+02	1.066E-08	1.598E-09	1.571E+00	-1.385E+03	-4.098E+04	1.592E+00
304	2	23162.74	-100.58	49.95	1	4.714E-15	4.380E-14	1.069E-09	-2.684E+04	-3.879E+03	-9.910E+01	1.069E-09	-1.069E-09	7.854E-01	-3.878E+03	-2.684E+04	1.575E+00
304	2	23162.74	-100.58	49.95	2	4.357E-15	4.345E-14	-1.069E-09	-2.684E+04	-3.879E+03	-9.944E+01	1.069E-09	-1.069E-09	-7.854E-01	-3.878E+03	-2.684E+04	1.575E+00
304	3	23172.24	-60.35	49.95	1	1.598E-09	1.066E-08	1.943E-16	-4.104E+04	-5.152E+02	2.931E+03	1.066E-08	1.598E-09	1.571E+00	-3.043E+02	-4.125E+04	1.499E+00
304	3	23172.24	-60.35	49.95	2	-1.598E-09	-1.066E-08	-1.943E-16	-4.104E+04	-5.152E+02	2.931E+03	-1.598E-09	-1.066E-08	-2.145E-08	-3.043E+02	-4.125E+04	1.499E+00
304	4	23162.74	-20.12	49.95	1	-3.065E-14	6.073E-14	-1.069E-09	-5.527E+04	8.292E+02	5.309E+02	1.069E-09	-1.069E-09	-7.854E-01	8.342E+02	-5.527E+04	1.561E+00
304	4	23162.74	-20.12	49.95	2	-3.092E-14	6.046E-14	1.069E-09	-5.527E+04	8.290E+02	5.305E+02	1.069E-09	-1.069E-09	7.854E-01	8.340E+02	-5.528E+04	1.561E+00
305	1	22961.74	60.35	49.95	1	1.598E-09	1.066E-08	1.894E-14	-4.128E+04	-5.580E+02	2.872E+03	1.066E-08	1.598E-09	1.571E+00	-3.564E+02	-4.149E+04	1.501E+00
305	1	22961.74	60.35	49.95	2	-1.598E-09	-1.066E-08	1.894E-14	-4.128E+04	-5.581E+02	2.873E+03	-1.598E-09	-1.066E-08	2.091E-06	-3.564E+02	-4.149E+04	1.501E+00
305	2	22971.24	20.12	49.95	1	-6.390E-14	4.451E-14	-1.069E-09	-5.561E+04	7.658E+02	5.124E+02	1.069E-09	-1.069E-09	-7.854E-01	7.705E+02	-5.562E+04	1.562E+00
305	2	22971.24	20.12	49.95	2	-6.340E-14	4.501E-14	1.069E-09	-5.561E+04	7.661E+02	5.128E+02	1.069E-09	-1.069E-09	7.854E-01	7.707E+02	-5.561E+04	1.562E+00
305	3	22980.74	60.35	49.95	1	-1.598E-09	-1.066E-08	3.331E-16	-4.118E+04	-1.404E+03	-9.370E+02	-1.598E-09	-1.066E-08	3.677E-08	-1.382E+03	-4.121E+04	1.594E+00
305	3	22980.74	60.35	49.95	2	1.598E-09	1.066E-08	-3.331E-16	-4.118E+04	-1.404E+03	-9.366E+02	1.066E-08	1.598E-09	1.571E+00	-1.382E+03	-4.121E+04	1.594E+00
305	4	22971.24	100.58	49.95	1	-5.051E-14	3.265E-15	1.069E-09	-2.697E+04	-3.872E+03	-1.778E+02	1.069E-09	-1.069E-09	7.854E-01	-3.871E+03	-2.697E+04	1.578E+00
305	4	22971.24	100.58	49.95	2	-4.982E-14	3.959E-15	-1.069E-09	-2.697E+04	-3.873E+03	-1.775E+02	1.069E-09	-1.069E-09	-7.854E-01	-3.871E+03	-2.697E+04	1.578E+00
306	1	22999.07	60.35	49.95	1	5.589E-10	3.726E-09	3.636E-14	-4.220E+04	-4.010E+03	-1.402E+03	3.726E-09	5.589E-10	1.571E+00	-3.959E+03	-4.225E+04	1.607E+00
306	1	22999.07	60.35	49.95	2	-5.590E-10	-3.726E-09	3.675E-14	-4.220E+04	-4.011E+03	-1.402E+03	-5.590E-10	-3.726E-09	1.160E-05	-3.960E+03	-4.225E+04	1.607E+00
306	2	23026.24	20.12	49.95	1	-5.243E-14	1.281E-13	-1.069E-09	-5.906E+04	-1.725E+04	1.862E+03	1.069E-09	-1.069E-09	-7.854E-01	-1.717E+04	-5.914E+04	1.526E+00
306	2	23026.24	20.12	49.95	2	-5.226E-14	1.283E-13	1.069E-09	-5.906E+04	-1.725E+04	1.863E+03	1.069E-09	-1.069E-09	7.854E-01	-1.717E+04	-5.914E+04	1.526E+00
306	3	23053.41	60.35	49.95	1	-5.588E-10	-3.726E-09	-8.327E-17	-4.030E+04	-2.127E+04	1.262E+03	-5.588E-10	-3.726E-09	-2.629E-08	-2.119E+04	-4.038E+04	1.505E+00
306	3	23053.41	60.35	49.95	2	5.590E-10	3.726E-09	8.327E-17	-4.030E+04	-2.127E+04	1.262E+03	3.726E-09	5.590E-10	1.571E+00	-2.119E+04	-4.038E+04	1.505E+00
306	4	23026.24	100.58	49.95	1	-3.413E-14	4.108E-14	1.069E-09	-2.081E+04	-1.605E+04	-2.275E+03	1.069E-09	-1.069E-09	7.854E-01	-1.514E+04	-2.172E+04	1.952E+00
306	4	23026.24	100.58	49.95	2	-3.398E-14	4.123E-14	-1.069E-09	-2.080E+04	-1.605E+04	-2.275E+03	1.069E-09	-1.069E-09	-7.854E-01	-1.513E+04	-2.172E+04	1.952E+00
307	1	23080.57	60.35	49.95	1	5.589E-10	3.726E-09	5.990E-14	-4.025E+04	-2.099E+04	1.211E+03	3.726E-09	5.589E-10	1.571E+00	-2.092E+04	-4.033E+04	1.508E+00
307	1	23080.57	60.35	49.95	2	-5.590E-10	-3.726E-09	6.015E-14	-4.025E+04	-2.099E+04	1.211E+03	-5.590E-10	-3.726E-09	1.899E-05	-2.092E+04	-4.032E+04	1.508E+00
307	2	23107.74	20.12	49.95	1	-9.404E-14	6.644E-14	-1.069E-09	-5.876E+04	-1.675E+04	-1.897E+03	1.069E-09	-1.069E-09	-7.854E-01	-1.667E+04	-5.884E+04	1.616E+00
307	2	23107.74	20.12	49.95	2	-9.435E-14	6.613E-14	1.069E-09	-5.875E+04	-1.675E+04	-1.898E+03	1.069E-09	-1.069E-09	7.854E-01	-1.667E+04	-5.884E+04	1.616E+00
307	3	23134.91	60.35	49.95	1	-5.589E-10	-3.726E-09	-6.939E-17	-4.196E+04	-3.890E+03	1.296E+03	-5.589E-10	-3.726E-09	-2.191E-08	-3.846E+03	-4.200E+04	1.537E+00
307	3	23134.91	60.35	49.95	2	5.590E-10	3.726E-09	6.939E-17	-4.196E+04	-3.890E+03	1.296E+03	3.726E-09	5.590E-10	1.571E+00	-3.846E+03	-4.200E+04	1.537E+00
307	4	23107.74	100.58	49.95	1	-3.684E-14	7.294E-14	1.069E-09	-2.084E+04	-1.608E+04	-2.042E+03	1.069E-09	-1.069E-09	7.854E-01	-1.532E+04	-2.160E+04	1.216E+00
307	4	23107.74	100.58	49.95	2	-3.718E-14	7.259E-14	-1.069E-09	-2.084E+04	-1.608E+04	-2.042E+03	1.069E-09	-1.069E-09	-7.854E-01	-1.532E+04	-2.160E+04	1.216E+00
308	1	23153.24	60.35	49.95	1	1.598E-09	1.066E-08	2.929E-14	-4.097E+04	-1.402E+03	8.360E+02	1.066E-08	1.598E-09	1.571E+00	-1.385E+03	-4.098E+04	1.550E+00
308	1	23153.24	60.35	49.95	2	-1.598E-09	-1.066E-08	2.932E-14	-4.096E+04	-1.402E+03	8.355E+02	-1.598E-09	-1.066E-08	3.237E-06	-1.385E+03	-4.098E+04	1.550E+00
308	2	23162.74	20.12	49.95	1	-5.031E-14	7.262E-14	-1.069E-09	-5.527E+04	8.290E+02	5.309E+02	1.069E-09	-1.069E-09	-7.854E-01	8.340E+02	-5.528E+04	1.561E+00
308	2	23162.74	20.12	49.95	2	-5.097E-14	7.196E-14	1.069E-09	-5.527E+04	8.292E+02	5.305E+02	1.069E-09	-1.069E-09	7.854E-01	8.342E+02	-5.527E+04	1.561E+00
308	3	23172.24	60.35	49.95	1	-1.598E-09	-1.066E-08	2.220E-16	-4.104E+04	-5.152E+02	-2.931E+03	-1.598E-09	-1.066E-08	2.451E-08	-3.043E+02	-4.125E+04	1.643E+00
308	3	23172.24	60.35	49.95	2	1.598E-09	1.066E-08	-2.220E-16	-4.104E+04	-5.152E+02	-2.931E+03	1.066E-08	1.598E-09	1.571E+00	-3.043E+02	-4.125E+04	1.643E+00
308	4	23162.74	100.58	49.95	1	2.063E-14	4.863E-14	1.069E-09	-2.684E+04	-3.879E+03	9.944E+01	1.069E-09	-1.069E-09	7.854E-01	-3.878E+03	-2.684E+04	1.566E+00
308	4	23162.74	100.58	49.95	2	2.027E-14	4.827E-14	-1.069E-09	-2.684E+04	-3.879E+03	9.910E+01	1.069E-09	-1.069E-09	-7.854E-01	-3.878E+03	-2.684E+04	1.566E+00
309	1	22971.24	125.95	49.95	1	1.285E-14	-2.735E-15	8.195E-09	1.934E+03	-1.317E+04	2.950E+02	8.195E-09	-8.195E-09	7.854E-01	1.940E+03	-1.317E+04	1.952E-02
309	1	22971.24	125.95	49.95	2	1.301E-14	-5.150E-16	-8.195E-09	1.934E+03	-1.317E+04	2.949E+02	8.195E-09	-8.195E-09	-7.854E-01	1.940E+03	-1.317E+04	1.952E-02
309	2	22980.74	136.45	49.95	1	-2.131E-08	-3.197E-09	-3.331E-16	4.037E+03	-5.714E+03	1.207E+03	-3.197E-09	-2.131E-08	1.571E+00	4.185E+03	-5.861E+03	1.214E-01
309	2	22980.74	136.45	49.95	2	2.131E-08	3.197E-09	3.331E-16	4.037E+03	-5.714E+03	1.207E+03	3.197E-09	2.131E-08	1.839E-08	4.184E+03	-5.861E+03	1.214E-01



309	3	22971.24	146.95	49.95	1	5.476E-14	-3.439E-14	-8.195E-09	2.281E+03	6.523E+02	9.504E+02	8.195E-09	-8.195E-09	-7.854E-01	2.719E+03	2.152E+02	4.311E-01
309	3	22971.24	146.95	49.95	2	5.551E-14	-3.364E-14	8.195E-09	2.281E+03	6.523E+02	9.504E+02	8.195E-09	-8.195E-09	7.854E-01	2.718E+03	2.151E+02	4.311E-01
309	4	22961.74	136.45	49.95	1	2.131E-08	3.197E-09	-2.220E-16	6.612E+02	-7.169E+03	1.772E+03	2.131E-08	3.197E-09	-1.226E-08	1.044E+03	-7.552E+03	2.126E-01
309	4	22961.74	136.45	49.95	2	-2.131E-08	-3.197E-09	2.220E-16	6.612E+02	-7.169E+03	1.772E+03	-3.197E-09	-2.131E-08	1.571E+00	1.044E+03	-7.551E+03	2.126E-01
310	1	23026.24	125.95	49.95	1	2.976E-14	-2.537E-15	8.195E-09	-4.520E+03	-9.902E+03	2.097E+03	8.195E-09	-8.195E-09	7.854E-01	-3.799E+03	-1.062E+04	3.310E-01
310	1	23026.24	125.95	49.95	2	3.009E-14	-9.832E-16	-8.195E-09	-4.519E+03	-9.902E+03	2.097E+03	8.195E-09	-8.195E-09	-7.854E-01	-3.799E+03	-1.062E+04	3.310E-01
310	2	23053.41	136.45	49.95	1	-7.453E-09	-1.118E-09	2.220E-16	-8.022E+03	-7.687E+03	-6.155E+02	-1.118E-09	-7.453E-09	1.571E+00	-7.217E+03	-8.492E+03	2.223E+00
310	2	23053.41	136.45	49.95	2	7.453E-09	1.118E-09	-2.220E-16	-8.022E+03	-7.686E+03	-6.154E+02	7.453E-09	1.118E-09	-3.505E-08	-7.216E+03	-8.492E+03	2.223E+00
310	3	23026.24	146.95	49.95	1	5.527E-14	-3.009E-14	-8.195E-09	-4.299E+03	-3.048E+03	1.578E+03	8.195E-09	-8.195E-09	-7.854E-01	-1.976E+03	-5.371E+03	9.741E-01
310	3	23026.24	146.95	49.95	2	5.563E-14	-2.973E-14	8.195E-09	-4.299E+03	-3.048E+03	1.578E+03	8.195E-09	-8.195E-09	7.854E-01	-1.976E+03	-5.370E+03	9.741E-01
310	4	22999.07	136.45	49.95	1	7.453E-09	1.118E-09	1.110E-16	-7.982E+02	-7.638E+03	2.197E+03	7.453E-09	1.118E-09	1.753E-08	-1.534E+02	-8.283E+03	2.855E-01
310	4	22999.07	136.45	49.95	2	-7.453E-09	-1.118E-09	-1.110E-16	-7.981E+02	-7.637E+03	2.197E+03	-1.118E-09	-7.453E-09	1.571E+00	-1.534E+02	-8.282E+03	2.855E-01
311	1	23107.74	125.95	49.95	1	4.358E-14	-1.883E-14	8.195E-09	-4.535E+03	-9.874E+03	-2.005E+03	8.195E-09	-8.195E-09	7.854E-01	-3.866E+03	-1.054E+04	-3.221E-01
311	1	23107.74	125.95	49.95	2	4.375E-14	-1.949E-14	-8.195E-09	-4.534E+03	-9.873E+03	-2.005E+03	8.195E-09	-8.195E-09	-7.854E-01	-3.866E+03	-1.054E+04	-3.221E-01
311	2	23134.91	136.45	49.95	1	-7.453E-09	-1.118E-09	2.914E-16	-8.402E+02	-7.639E+03	-2.110E+03	-1.118E-09	-7.453E-09	1.571E+00	-2.384E+02	-8.241E+03	-2.778E-01
311	2	23134.91	136.45	49.95	2	7.452E-09	1.118E-09	-2.914E-16	-8.401E+02	-7.639E+03	-2.110E+03	7.452E-09	1.118E-09	-4.601E-08	-2.383E+02	-8.241E+03	-2.778E-01
311	3	23107.74	146.95	49.95	1	3.858E-14	-3.378E-14	-8.195E-09	-4.327E+03	-3.082E+03	-1.487E+03	8.195E-09	-8.195E-09	-7.854E-01	-2.092E+03	-5.316E+03	2.158E+00
311	3	23107.74	146.95	49.95	2	3.789E-14	-3.447E-14	8.195E-09	-4.327E+03	-3.082E+03	-1.487E+03	8.195E-09	-8.195E-09	7.854E-01	-2.092E+03	-5.316E+03	2.158E+00
311	4	23080.57	136.45	49.95	1	7.452E-09	1.118E-09	9.714E-17	-8.023E+03	-7.693E+03	-6.431E+02	7.452E-09	1.118E-09	1.534E-08	-7.194E+03	-8.522E+03	2.231E+00
311	4	23080.57	136.45	49.95	2	-7.453E-09	-1.118E-09	-9.714E-17	-8.023E+03	-7.693E+03	-6.430E+02	-1.118E-09	-7.453E-09	1.571E+00	-7.194E+03	-8.522E+03	2.231E+00
312	1	23162.74	125.95	49.95	1	1.328E-14	-6.190E-14	8.195E-09	1.909E+03	-1.308E+04	-2.630E+02	8.195E-09	-8.195E-09	7.854E-01	1.914E+03	-1.309E+04	-1.754E-02
312	1	23162.74	125.95	49.95	2	1.339E-14	-6.581E-14	-8.195E-09	1.909E+03	-1.308E+04	-2.629E+02	8.195E-09	-8.195E-09	-7.854E-01	1.914E+03	-1.308E+04	-1.753E-02
312	2	23172.24	136.45	49.95	1	-2.131E-08	-3.197E-09	5.274E-16	6.647E+02	-7.141E+03	-1.712E+03	-3.197E-09	-2.131E-08	1.571E+00	1.024E+03	-7.500E+03	-2.067E-01
312	2	23172.24	136.45	49.95	2	2.131E-08	3.197E-09	-5.274E-16	6.647E+02	-7.141E+03	-1.712E+03	2.131E-08	3.197E-09	-2.911E-08	1.024E+03	-7.500E+03	-2.067E-01
312	3	23162.74	146.95	49.95	1	4.917E-14	-1.152E-13	-8.195E-09	2.232E+03	5.878E+02	-9.139E+02	8.195E-09	-8.195E-09	-7.854E-01	2.639E+03	1.806E+02	-4.191E-01
312	3	23162.74	146.95	49.95	2	4.701E-14	-1.174E-13	8.195E-09	2.232E+03	5.877E+02	-9.138E+02	8.195E-09	-8.195E-09	7.854E-01	2.639E+03	1.806E+02	-4.191E-01
312	4	23153.24	136.45	49.95	1	2.131E-08	3.197E-09	4.718E-16	3.964E+03	-5.724E+03	-1.142E+03	2.131E-08	3.197E-09	2.605E-08	4.097E+03	-5.857E+03	-1.158E-01
312	4	23153.24	136.45	49.95	2	-2.131E-08	-3.197E-09	-4.718E-16	3.964E+03	-5.724E+03	-1.142E+03	-3.197E-09	-2.131E-08	1.571E+00	4.096E+03	-5.856E+03	-1.158E-01
313	1	22971.24	157.45	49.95	1	1.164E-14	-1.092E-14	8.195E-09	3.036E+03	2.611E+03	1.571E+03	8.195E-09	-8.195E-09	7.854E-01	4.409E+03	1.239E+03	7.181E-01
313	1	22971.24	157.45	49.95	2	1.175E-14	-1.003E-14	-8.195E-09	3.036E+03	2.611E+03	1.571E+03	8.195E-09	-8.195E-09	-7.854E-01	4.409E+03	1.238E+03	7.181E-01
313	2	22980.74	167.95	49.95	1	-2.131E-08	-3.197E-09	-3.331E-16	4.159E+03	1.751E+03	9.000E+02	-3.197E-09	-2.131E-08	1.571E+00	4.458E+03	1.452E+03	3.210E-01
313	2	22980.74	167.95	49.95	2	2.131E-08	3.197E-09	3.331E-16	4.159E+03	1.751E+03	8.999E+02	2.131E-08	3.197E-09	1.839E-08	4.458E+03	1.452E+03	3.210E-01
313	3	22971.24	178.45	49.95	1	5.810E-14	-7.252E-14	-8.195E-09	2.095E+03	5.190E+02	1.180E+03	8.195E-09	-8.195E-09	-7.854E-01	2.726E+03	-1.115E+02	4.909E-01
313	3	22971.24	178.45	49.95	2	5.858E-14	-7.204E-14	8.195E-09	2.095E+03	5.189E+02	1.179E+03	8.195E-09	-8.195E-09	7.854E-01	2.726E+03	-1.115E+02	4.909E-01
313	4	22961.74	167.95	49.95	1	2.131E-08	3.197E-09	-3.331E-16	3.561E+02	1.849E+03	1.277E+03	2.131E-08	3.197E-09	-1.839E-08	2.582E+03	-3.768E+02	1.050E+00
313	4	22961.74	167.95	49.95	2	-2.131E-08	-3.197E-09	3.331E-16	3.561E+02	1.849E+03	1.277E+03	-3.197E-09	-2.131E-08	1.571E+00	2.582E+03	-3.768E+02	1.050E+00
314	1	23026.24	157.45	49.95	1	3.037E-14	7.335E-15	8.195E-09	-3.890E+03	-7.642E+02	1.222E+03	8.195E-09	-8.195E-09	7.854E-01	-3.433E+02	-4.311E+03	1.239E+00
314	1	23026.24	157.45	49.95	2	3.043E-14	8.223E-15	-8.195E-09	-3.890E+03	-7.641E+02	1.222E+03	8.195E-09	-8.195E-09	-7.854E-01	-3.433E+02	-4.311E+03	1.239E+00
314	2	23053.41	167.95	49.95	1	-7.453E-09	-1.118E-09	1.110E-16	-8.570E+03	-1.251E+03	-1.121E+02	-1.118E-09	-7.453E-09	1.571E+00	-1.249E+03	-8.572E+03	1.586E+00
314	2	23053.41	167.95	49.95	2	7.453E-09	1.118E-09	-1.110E-16	-8.570E+03	-1.251E+03	-1.121E+02	7.453E-09	1.118E-09	-1.753E-08	-1.249E+03	-8.571E+03	1.586E+00
314	3	23026.24	178.45	49.95	1	8.249E-14	-3.238E-14	-8.195E-09	-3.963E+03	-2.826E+02	3.127E+02	8.195E-09	-8.195E-09	-7.854E-01	-2.562E+02	-3.989E+03	1.487E+00
314	3	23026.24	178.45	49.95	2	8.280E-14	-3.207E-14	8.195E-09	-3.963E+03	-2.826E+02	3.127E+02	8.195E-09	-8.195E-09	7.854E-01	-2.562E+02	-3.989E+03	1.487E+00
314	4	22999.07	167.95	49.95	1	7.453E-09	1.118E-09	8.327E-17	7.168E+02	-1.656E+02	4.555E+02	7.453E-09	1.118E-09	1.314E-08	9.098E+02	-3.585E+02	4.007E-01

314	4	22999.07	167.95	49.95	2	-7.453E-09	-1.118E-09	-8.327E-17	7.168E+02	-1.655E+02	4.555E+02	-1.118E-09	-7.453E-09	1.571E+00	9.098E+02	-3.585E+02	4.007E-01
315	1	23107.74	157.45	49.95	1	1.269E-14	1.697E-14	8.195E-09	-3.916E+03	-7.822E+02	-1.139E+03	8.195E-09	-8.195E-09	7.854E-01	-4.122E+02	-4.286E+03	1.885E+00
315	1	23107.74	157.45	49.95	2	1.260E-14	1.708E-14	-8.195E-09	-3.916E+03	-7.822E+02	-1.139E+03	8.195E-09	-8.195E-09	-7.854E-01	-4.122E+02	-4.286E+03	1.885E+00
315	2	23134.91	167.95	49.95	1	-7.453E-09	-1.118E-09	-6.661E-16	6.466E+02	-1.977E+02	-3.948E+02	-1.118E-09	-7.453E-09	1.571E+00	8.025E+02	-3.535E+02	-3.760E-01
315	2	23134.91	167.95	49.95	2	7.453E-09	1.118E-09	6.661E-16	6.466E+02	-1.977E+02	-3.948E+02	7.453E-09	1.118E-09	1.052E-07	8.025E+02	-3.535E+02	-3.760E-01
315	3	23107.74	178.45	49.95	1	1.143E-13	-5.554E-14	-8.195E-09	-3.999E+03	-3.002E+02	-2.401E+02	8.195E-09	-8.195E-09	-7.854E-01	-2.847E+02	-4.015E+03	1.635E+00
315	3	23107.74	178.45	49.95	2	1.145E-13	-5.534E-14	8.195E-09	-3.999E+03	-3.002E+02	-2.401E+02	8.195E-09	-8.195E-09	7.854E-01	-2.847E+02	-4.014E+03	1.635E+00
315	4	23080.57	167.95	49.95	1	7.453E-09	1.118E-09	-2.776E-17	-8.562E+03	-1.262E+03	-1.186E+02	7.453E-09	1.118E-09	-4.382E-09	-1.260E+03	-8.564E+03	1.587E+00
315	4	23080.57	167.95	49.95	2	-7.453E-09	-1.118E-09	2.776E-17	-8.562E+03	-1.262E+03	-1.186E+02	-1.118E-09	-7.453E-09	1.571E+00	-1.260E+03	-8.563E+03	1.587E+00
316	1	23162.74	157.45	49.95	1	-2.253E-14	-1.483E-13	8.195E-09	2.979E+03	2.528E+03	-1.518E+03	8.195E-09	-8.195E-09	7.854E-01	4.288E+03	1.219E+03	-7.116E-01
316	1	23162.74	157.45	49.95	2	-2.326E-14	-1.534E-13	-8.195E-09	2.979E+03	2.528E+03	-1.518E+03	8.195E-09	-8.195E-09	-7.854E-01	4.288E+03	1.219E+03	-7.116E-01
316	2	23172.24	167.95	49.95	1	-2.131E-08	-3.197E-09	4.857E-16	3.410E+02	1.789E+03	-1.234E+03	-3.197E-09	-2.131E-08	1.571E+00	2.495E+03	-3.653E+02	2.091E+00
316	2	23172.24	167.95	49.95	2	2.131E-08	3.197E-09	-4.857E-16	3.410E+02	1.789E+03	-1.233E+03	2.131E-08	3.197E-09	-2.681E-08	2.495E+03	-3.653E+02	2.091E+00
316	3	23162.74	178.45	49.95	1	1.578E-13	-2.339E-13	-8.195E-09	2.022E+03	5.074E+02	-1.142E+03	8.195E-09	-8.195E-09	-7.854E-01	2.635E+03	-1.055E+02	-4.926E-01
316	3	23162.74	178.45	49.95	2	1.561E-13	-2.357E-13	8.195E-09	2.022E+03	5.074E+02	-1.142E+03	8.195E-09	-8.195E-09	7.854E-01	2.635E+03	-1.055E+02	-4.926E-01
316	4	23153.24	167.95	49.95	1	2.131E-08	3.197E-09	8.188E-16	4.060E+03	1.704E+03	-8.441E+02	2.131E-08	3.197E-09	4.520E-08	4.331E+03	1.432E+03	-3.108E-01
316	4	23153.24	167.95	49.95	2	-2.131E-08	-3.197E-09	-8.188E-16	4.060E+03	1.704E+03	-8.440E+02	-3.197E-09	-2.131E-08	1.571E+00	4.331E+03	1.432E+03	-3.108E-01
317	1	25524.74	-167.95	52.50	1	1.550E+00	-9.851E-01	5.038E-01	2.982E+03	7.744E+02	1.715E+03	1.646E+00	-1.082E+00	1.892E-01	3.917E+03	-1.611E+02	4.994E-01
317	1	25524.74	-167.95	52.50	2	-3.501E+00	1.006E+00	-1.541E+00	8.241E+02	6.864E+01	7.435E+02	1.482E+00	-3.977E+00	1.871E+00	1.280E+03	-3.876E+02	5.504E-01
317	2	25534.24	-178.45	52.50	1	-3.181E-02	2.227E+00	8.694E-01	2.581E+02	2.142E+03	1.393E+03	2.523E+00	-3.276E-01	1.243E+00	2.882E+03	-4.820E+02	1.083E+00
317	2	25534.24	-178.45	52.50	2	-2.306E-02	-3.890E+00	-1.648E+00	6.346E+02	1.540E+03	8.362E+02	5.837E-01	-4.497E+00	-3.529E+00	2.038E+03	1.364E+02	1.033E+00
317	3	25543.74	-167.95	52.50	1	-1.806E-01	-4.737E-01	1.800E+00	1.603E+03	4.795E+03	7.585E+02	1.479E+00	-2.133E+00	7.448E-01	4.966E+03	1.432E+03	1.349E+00
317	3	25543.74	-167.95	52.50	2	1.436E+00	-4.529E-01	-3.367E+00	1.302E+03	2.671E+03	8.324E+02	3.988E+00	-3.006E+00	-6.487E-01	3.064E+03	9.091E+02	1.129E+00
317	4	25534.24	-157.45	52.50	1	1.401E+00	-3.686E+00	1.434E+00	3.740E+03	4.197E+03	2.636E+03	1.777E+00	-4.063E+00	2.567E-01	6.615E+03	1.322E+03	8.286E-01
317	4	25534.24	-157.45	52.50	2	-2.042E+00	4.443E+00	-3.260E+00	1.209E+03	1.571E+03	7.495E+02	5.799E+00	-3.397E+00	1.965E+00	2.161E+03	6.191E+02	9.036E-01
318	1	25562.07	-167.95	52.50	1	1.561E+00	1.114E+01	3.765E+00	-5.563E+02	-1.851E+03	2.824E+02	1.244E+01	2.589E-01	1.238E+00	-4.974E+02	-1.910E+03	2.057E-01
318	1	25562.07	-167.95	52.50	2	-3.107E-02	-1.023E+01	-2.620E+00	-1.872E+02	2.682E+03	3.652E+02	6.027E-01	-1.087E+01	-2.373E-01	2.728E+03	-2.330E+02	1.446E+00
318	2	25589.24	-178.45	52.50	1	7.549E-02	1.040E+01	2.948E+00	-8.920E+01	-5.377E+03	4.739E+02	1.118E+01	-7.071E-01	1.311E+00	-4.707E+01	-5.419E+03	8.868E-02
318	2	25589.24	-178.45	52.50	2	-9.517E-02	-9.161E+00	-1.443E+00	-4.098E+02	-2.525E+03	-1.999E+02	1.289E-01	-9.385E+00	-1.541E-01	-3.911E+02	-2.544E+03	-9.338E-02
318	3	25616.40	-167.95	52.50	1	-2.042E+00	1.114E+01	2.130E+00	-1.269E+03	-9.079E+03	2.810E+02	1.147E+01	-2.378E+00	1.414E+00	-1.259E+03	-9.089E+03	3.592E-02
318	3	25616.40	-167.95	52.50	2	7.511E-01	-1.023E+01	-2.649E-01	-7.099E+02	-7.455E+03	-8.168E+01	7.575E-01	-1.024E+01	-2.410E-02	-7.089E+02	-7.456E+03	-1.211E-02
318	4	25589.24	-157.45	52.50	1	-5.562E-01	1.188E+01	2.947E+00	-1.242E+03	-5.553E+03	1.150E+03	1.254E+01	-1.219E+00	1.350E+00	-9.546E+02	-5.841E+03	2.451E-01
318	4	25589.24	-157.45	52.50	2	8.152E-01	-1.130E+01	-1.443E+00	-2.578E+02	-2.248E+03	6.363E+02	9.846E-01	-1.147E+01	-1.169E-01	-7.173E+01	-2.434E+03	2.845E-01
319	1	25643.57	-167.95	52.50	1	-2.043E+00	1.113E+01	-2.130E+00	-1.281E+03	-9.071E+03	2.536E+02	1.147E+01	-2.378E+00	1.727E+00	-1.273E+03	-9.080E+03	3.250E-02
319	1	25643.57	-167.95	52.50	2	7.505E-01	-1.024E+01	2.652E-01	-7.022E+02	-7.460E+03	-9.185E+01	7.569E-01	-1.024E+01	2.412E-02	-7.010E+02	-7.462E+03	-1.359E-02
319	2	25670.74	-178.45	52.50	1	8.217E-02	1.039E+01	-2.953E+00	-9.566E+01	-5.413E+03	-4.562E+02	1.117E+01	-7.042E-01	1.831E+00	-5.680E+01	-5.452E+03	-8.497E-02
319	2	25670.74	-178.45	52.50	2	-8.847E-02	-9.170E+00	1.437E+00	-4.145E+02	-2.505E+03	2.174E+02	1.335E-01	-9.392E+00	1.533E-01	-3.921E+02	-2.528E+03	1.025E-01
319	3	25697.90	-167.95	52.50	1	1.571E+00	1.114E+01	-3.776E+00	-5.756E+02	-1.931E+03	-2.603E+02	1.245E+01	2.600E-01	1.905E+00	-5.274E+02	-1.979E+03	-1.834E-01
319	3	25697.90	-167.95	52.50	2	-2.156E-02	-1.024E+01	2.609E+00	-1.930E+02	2.733E+03	-3.629E+02	6.063E-01	-1.086E+01	2.361E-01	2.777E+03	-2.373E+02	1.692E+00
319	4	25670.74	-157.45	52.50	1	-5.540E-01	1.188E+01	-2.953E+00	-1.261E+03	-5.589E+03	-1.125E+03	1.255E+01	-1.219E+00	1.792E+00	-9.865E+02	-5.863E+03	-2.397E-01
319	4	25670.74	-157.45	52.50	2	8.174E-01	-1.130E+01	1.437E+00	-2.525E+02	-2.222E+03	-6.196E+02	9.855E-01	-1.147E+01	1.164E-01	-7.375E+01	-2.401E+03	-2.808E-01
320	1	25716.24	-167.95	52.50	1	-1.722E-01	-4.850E-01	-1.781E+00	1.584E+03	4.787E+03	-7.573E+02	1.460E+00	-2.117E+00	-7.416E-01	4.957E+03	1.414E+03	1.792E+00
320	1	25716.24	-167.95	52.50	2	1.444E+00	-4.641E-01	3.386E+00	1.291E+03	2.635E+03	-8.140E+02	4.008E+00	-3.027E+00	6.480E-01	3.019E+03	9.079E+02	2.011E+00

320	2	25725.74	-178.45	52.50	1	-3.567E-02	2.208E+00	-8.587E-01	2.480E+02	2.123E+03	-1.390E+03	2.499E+00	-3.265E-01	1.897E+00	2.862E+03	-4.913E+02	2.060E+00
320	2	25725.74	-178.45	52.50	2	-2.694E-02	-3.910E+00	1.658E+00	6.393E+02	1.527E+03	-8.309E+02	5.849E-01	-4.522E+00	3.535E-01	2.025E+03	1.412E+02	2.111E+00
320	3	25735.24	-167.95	52.50	1	1.527E+00	-9.871E-01	-4.909E-01	3.000E+03	7.838E+02	-1.716E+03	1.620E+00	-1.080E+00	-1.861E-01	3.935E+03	-1.510E+02	-4.988E-01
320	3	25735.24	-167.95	52.50	2	-3.523E+00	1.004E+00	1.554E+00	8.062E+02	6.373E+01	-7.331E+02	1.486E+00	-4.005E+00	1.270E+00	1.257E+03	-3.868E+02	-5.510E-01
320	4	25725.74	-157.45	52.50	1	1.391E+00	-3.680E+00	-1.414E+00	3.749E+03	4.218E+03	-2.656E+03	1.758E+00	-4.048E+00	-2.543E-01	6.650E+03	1.317E+03	2.312E+00
320	4	25725.74	-157.45	52.50	2	-2.052E+00	4.449E+00	3.281E+00	1.180E+03	1.537E+03	-7.369E+02	5.817E+00	-3.420E+00	1.176E+00	2.117E+03	6.003E+02	2.237E+00
321	1	25534.24	-146.95	52.50	1	-4.461E+00	-3.765E+00	5.851E+00	3.741E+03	4.038E+03	-1.952E+03	1.749E+00	-9.975E+00	8.151E-01	5.847E+03	1.932E+03	2.318E+00
321	1	25534.24	-146.95	52.50	2	4.511E+00	-1.593E+00	-4.211E+00	9.382E+02	-6.828E+02	-1.938E+02	6.659E+00	-3.741E+00	-4.718E-01	9.611E+02	-7.057E+02	-1.173E-01
321	2	25543.74	-136.45	52.50	1	-1.270E+00	-6.003E+00	5.933E+00	5.713E+03	-3.443E+03	-2.482E+03	2.751E+00	-1.002E+01	5.957E-01	6.343E+03	-4.073E+03	-2.484E-01
321	2	25543.74	-136.45	52.50	2	1.858E+00	-1.378E+00	-4.972E+00	2.683E+03	-5.311E+03	2.864E+02	5.469E+00	-4.989E+00	-6.281E-01	2.693E+03	-5.322E+03	3.576E-02
321	3	25534.24	-125.95	52.50	1	9.878E-01	-5.085E+00	4.821E+00	2.006E+03	-1.328E+04	-8.258E+02	3.649E+00	-7.746E+00	5.044E-01	2.050E+03	-1.332E+04	-5.382E-02
321	3	25534.24	-125.95	52.50	2	-1.067E+00	-2.417E-01	-4.511E+00	2.127E+03	-1.066E+04	3.677E+02	3.876E+00	-5.185E+00	2.311E+00	2.137E+03	-1.067E+04	2.872E-02
321	4	25524.74	-136.45	52.50	1	-2.203E+00	-2.847E+00	4.739E+00	1.788E+02	-5.908E+03	-2.514E+03	2.225E+00	-7.275E+00	7.515E-01	1.083E+03	-6.812E+03	-3.452E-01
321	4	25524.74	-136.45	52.50	2	1.586E+00	-4.570E-01	-3.750E+00	8.800E+02	-6.414E+03	-8.715E+02	4.451E+00	-3.322E+00	-6.524E-01	9.827E+02	-6.516E+03	-1.173E-01
322	1	25589.24	-146.95	52.50	1	1.137E+01	-3.973E+00	2.123E+00	-5.883E+03	-3.154E+03	-1.285E+03	1.166E+01	-4.262E+00	1.350E-01	-2.644E+03	-6.393E+03	1.949E+00
322	1	25589.24	-146.95	52.50	2	-1.138E+01	3.275E-01	-3.525E+00	-2.501E+03	-1.408E+03	-1.269E+03	1.307E+00	-1.236E+01	1.842E+00	-5.729E+02	-3.336E+03	2.153E+00
322	2	25616.40	-136.45	52.50	1	7.925E+00	-3.926E-01	-1.667E+00	-8.682E+03	-7.059E+03	-4.686E+02	8.246E+00	-7.144E-01	-1.907E-01	-6.934E+03	-8.807E+03	1.833E+00
322	2	25616.40	-136.45	52.50	2	-7.990E+00	6.320E-01	1.982E-01	-7.274E+03	-7.345E+03	-8.409E+02	6.365E-01	-7.995E+00	1.548E+00	-6.468E+03	-8.152E+03	-7.642E-01
322	3	25589.24	-125.95	52.50	1	4.478E+00	-1.043E+00	2.123E+00	-4.957E+03	-7.503E+03	-2.079E+03	5.200E+00	-1.765E+00	3.277E-01	-3.793E+03	-8.668E+03	-5.107E-01
322	3	25589.24	-125.95	52.50	2	-4.606E+00	-2.551E+00	-3.525E+00	-3.898E+03	-1.069E+04	-1.941E+03	9.386E-02	-7.250E+00	2.214E+00	-3.383E+03	-1.121E+04	-2.596E-01
322	4	25562.07	-136.45	52.50	1	7.923E+00	-4.624E+00	5.913E+00	-2.159E+03	-5.641E+03	-3.273E+03	1.027E+01	-6.971E+00	3.779E-01	-1.932E+02	-7.607E+03	-5.410E-01
322	4	25562.07	-136.45	52.50	2	-7.992E+00	-2.855E+00	-7.248E+00	8.736E+02	-6.926E+03	-8.923E+02	2.267E+00	-1.311E+01	2.186E+00	9.744E+02	-7.027E+03	-1.125E-01
323	1	25670.74	-146.95	52.50	1	1.136E+01	-4.014E+00	-2.117E+00	-5.915E+03	-3.158E+03	1.263E+03	1.165E+01	-4.301E+00	-1.344E-01	-2.667E+03	-6.406E+03	1.200E+00
323	1	25670.74	-146.95	52.50	2	-1.138E+01	2.861E-01	3.531E+00	-2.469E+03	-1.359E+03	1.255E+03	1.271E+00	-1.237E+01	1.299E+00	-5.421E+02	-3.286E+03	9.935E-01
323	2	25697.90	-136.45	52.50	1	7.919E+00	-4.707E+00	-5.905E+00	-2.198E+03	-5.575E+03	3.283E+03	1.025E+01	-7.039E+00	-3.760E-01	-1.946E+02	-7.578E+03	5.480E-01
323	2	25697.90	-136.45	52.50	2	-7.995E+00	-2.939E+00	7.257E+00	9.229E+02	-6.892E+03	8.663E+02	2.217E+00	-1.315E+01	9.530E-01	1.018E+03	-6.987E+03	1.091E-01
323	3	25670.74	-125.95	52.50	1	4.476E+00	-1.086E+00	-2.117E+00	-4.963E+03	-7.446E+03	2.062E+03	5.190E+00	-1.800E+00	-3.253E-01	-3.798E+03	-8.611E+03	5.144E-01
323	3	25670.74	-125.95	52.50	2	-4.607E+00	-2.594E+00	3.531E+00	-3.886E+03	-1.070E+04	1.945E+03	7.151E-02	-7.273E+00	9.243E-01	-3.371E+03	-1.122E+04	2.592E-01
323	4	25643.57	-136.45	52.50	1	7.921E+00	-3.931E-01	1.671E+00	-8.681E+03	-7.064E+03	-4.484E+02	8.244E+00	-7.164E-01	1.911E-01	-6.948E+03	-8.797E+03	1.824E+00
323	4	25643.57	-136.45	52.50	2	-7.993E+00	6.315E-01	-1.945E-01	-7.280E+03	-7.338E+03	-8.342E+02	6.359E-01	-7.998E+00	1.593E+00	-6.474E+03	-8.143E+03	-7.680E-01
324	1	25725.74	-146.95	52.50	1	-4.463E+00	-3.830E+00	-5.874E+00	3.774E+03	4.128E+03	1.970E+03	1.736E+00	-1.003E+01	2.329E+00	5.929E+03	1.973E+03	8.302E-01
324	1	25725.74	-146.95	52.50	2	4.508E+00	-1.658E+00	4.188E+00	9.109E+02	-6.871E+02	1.815E+02	6.626E+00	-3.776E+00	4.681E-01	9.312E+02	-7.075E+02	1.117E-01
324	2	25735.24	-136.45	52.50	1	-2.209E+00	-2.895E+00	-4.756E+00	1.669E+02	-5.866E+03	2.522E+03	2.216E+00	-7.320E+00	-7.494E-01	1.082E+03	-6.781E+03	3.482E-01
324	2	25735.24	-136.45	52.50	2	1.579E+00	-5.049E-01	3.733E+00	8.825E+02	-6.382E+03	8.516E+02	4.413E+00	-3.339E+00	6.493E-01	9.810E+02	-6.481E+03	1.152E-01
324	3	25725.74	-125.95	52.50	1	9.872E-01	-5.150E+00	-4.832E+00	2.012E+03	-1.326E+04	8.301E+02	3.642E+00	-7.806E+00	-5.025E-01	2.057E+03	-1.331E+04	5.414E-02
324	3	25725.74	-125.95	52.50	2	-1.068E+00	-3.074E-01	4.500E+00	2.136E+03	-1.060E+04	-3.818E+02	3.829E+00	-5.204E+00	8.275E-01	2.148E+03	-1.061E+04	-2.995E-02
324	4	25716.24	-136.45	52.50	1	-1.267E+00	-6.085E+00	-5.950E+00	5.755E+03	-3.373E+03	2.500E+03	2.743E+00	-1.010E+01	-5.930E-01	6.395E+03	-4.013E+03	2.506E-01
324	4	25716.24	-136.45	52.50	2	1.862E+00	-1.461E+00	4.955E+00	2.660E+03	-5.280E+03	-3.217E+02	5.427E+00	-5.026E+00	6.237E-01	2.673E+03	-5.293E+03	-4.043E-02
325	1	25524.74	-60.35	52.50	1	-2.853E+00	7.414E-01	5.403E-01	-3.971E+04	-6.194E+02	-1.480E+03	8.209E-01	-2.933E+00	1.425E+00	-5.635E+02	-3.976E+04	1.609E+00
325	1	25524.74	-60.35	52.50	2	-3.987E-01	-6.378E-01	-5.482E-01	-4.034E+04	-4.028E+02	-4.337E+03	4.282E-02	-1.079E+00	-6.780E-01	6.271E+01	-4.080E+04	1.678E+00
325	2	25534.24	-100.58	52.50	1	-2.468E+00	1.380E+00	1.133E+00	-2.531E+04	-3.959E+03	1.919E+03	1.689E+00	-2.777E+00	1.305E+00	-3.788E+03	-2.548E+04	1.482E+00
325	2	25534.24	-100.58	52.50	2	-7.222E-01	-1.139E+00	-1.052E+00	-2.634E+04	-3.679E+03	-1.708E+03	1.417E-01	-2.003E+00	-6.876E-01	-3.551E+03	-2.647E+04	1.646E+00
325	3	25543.74	-60.35	52.50	1	-2.215E+00	4.543E-01	5.092E-01	-3.950E+04	-1.277E+03	2.300E+03	5.482E-01	-2.309E+00	1.389E+00	-1.140E+03	-3.964E+04	1.511E+00

325	3	25543.74	-60.35	52.50	2	-9.408E-01	-3.941E-01	-5.234E-01	-4.039E+04	-1.515E+03	-5.600E+02	-7.698E-02	-1.258E+00	2.116E+00	-1.507E+03	-4.040E+04	1.585E+00
325	4	25534.24	-20.12	52.50	1	-2.600E+00	-1.846E-01	-8.326E-02	-5.401E+04	9.607E+02	1.003E+03	-1.817E-01	-2.603E+00	1.605E+00	9.790E+02	-5.402E+04	1.553E+00
325	4	25534.24	-20.12	52.50	2	-6.173E-01	1.072E-01	-1.972E-02	-5.449E+04	6.412E+02	-2.041E+03	1.077E-01	-6.179E-01	1.598E+00	7.167E+02	-5.457E+04	1.608E+00
326	1	25562.07	-60.35	52.50	1	-1.967E+00	2.104E+00	6.380E-01	-4.071E+04	-5.220E+03	2.597E+03	2.202E+00	-2.065E+00	1.419E+00	-5.031E+03	-4.090E+04	1.498E+00
326	1	25562.07	-60.35	52.50	2	-1.188E+00	-2.041E+00	-2.964E-01	-4.117E+04	-2.602E+03	1.622E+02	-1.095E+00	-2.134E+00	-3.035E-01	-2.602E+03	-4.117E+04	1.567E+00
326	2	25589.24	-100.58	52.50	1	-2.185E+00	4.307E+00	9.411E-01	-1.966E+04	-1.838E+04	3.072E+03	4.440E+00	-2.319E+00	1.430E+00	-1.588E+04	-2.216E+04	8.880E-01
326	2	25589.24	-100.58	52.50	2	-4.089E-01	-4.285E+00	-2.710E-01	-2.001E+04	-1.356E+04	1.226E+03	-3.901E-01	-4.304E+00	-6.947E-02	-1.333E+04	-2.024E+04	1.389E+00
326	3	25616.40	-60.35	52.50	1	-1.708E+00	2.012E+00	1.107E+00	-3.856E+04	-2.200E+04	1.673E+03	2.316E+00	-2.013E+00	1.302E+00	-2.184E+04	-3.873E+04	1.471E+00
326	3	25616.40	-60.35	52.50	2	-2.725E-01	-2.369E+00	-7.303E-01	-3.979E+04	-2.026E+04	1.112E+03	-4.320E-02	-2.598E+00	-3.043E-01	-2.020E+04	-3.985E+04	1.514E+00
326	4	25589.24	-20.12	52.50	1	-1.490E+00	-1.904E-01	8.041E-01	-5.696E+04	-1.692E+04	-1.224E+03	1.936E-01	-1.874E+00	1.125E+00	-1.688E+04	-5.700E+04	1.601E+00
326	4	25589.24	-20.12	52.50	2	-1.052E+00	-1.255E-01	-7.557E-01	-5.845E+04	-1.692E+04	-2.489E+03	2.977E-01	-1.475E+00	2.081E+00	-1.677E+04	-5.860E+04	1.630E+00
327	1	25643.57	-60.35	52.50	1	-1.709E+00	2.006E+00	-1.109E+00	-3.857E+04	-2.202E+04	1.673E+03	2.312E+00	-2.015E+00	1.840E+00	-2.186E+04	-3.873E+04	1.471E+00
327	1	25643.57	-60.35	52.50	2	-2.734E-01	-2.374E+00	7.289E-01	-3.979E+04	-2.025E+04	1.122E+03	-4.529E-02	-2.602E+00	3.033E-01	-2.018E+04	-3.985E+04	1.514E+00
327	2	25670.74	-100.58	52.50	1	-2.206E+00	4.309E+00	-9.528E-01	-1.965E+04	-1.842E+04	-3.055E+03	4.445E+00	-2.342E+00	1.713E+00	-1.592E+04	-2.215E+04	2.257E+00
327	2	25670.74	-100.58	52.50	2	-4.294E-01	-4.283E+00	2.593E-01	-2.000E+04	-1.351E+04	-1.220E+03	-4.120E-01	-4.300E+00	6.690E-02	-1.329E+04	-2.022E+04	1.751E+00
327	3	25697.90	-60.35	52.50	1	-2.007E+00	2.113E+00	-6.393E-01	-4.069E+04	-5.239E+03	-2.613E+03	2.210E+00	-2.104E+00	1.721E+00	-5.048E+03	-4.088E+04	1.644E+00
327	3	25697.90	-60.35	52.50	2	-1.228E+00	-2.033E+00	2.951E-01	-4.116E+04	-2.571E+03	-1.536E+02	-1.131E+00	-2.130E+00	3.162E-01	-2.570E+03	-4.116E+04	1.575E+00
327	4	25670.74	-20.12	52.50	1	-1.511E+00	-1.898E-01	-7.951E-01	-5.695E+04	-1.692E+04	1.223E+03	1.834E-01	-1.884E+00	2.010E+00	-1.688E+04	-5.699E+04	1.540E+00
327	4	25670.74	-20.12	52.50	2	-1.072E+00	-1.249E-01	7.646E-01	-5.845E+04	-1.692E+04	2.492E+03	3.010E-01	-1.498E+00	1.063E+00	-1.677E+04	-5.860E+04	1.511E+00
328	1	25716.24	-60.35	52.50	1	-2.256E+00	4.538E-01	-5.054E-01	-3.948E+04	-1.277E+03	-2.314E+03	5.450E-01	-2.347E+00	1.749E+00	-1.138E+03	-3.962E+04	1.631E+00
328	1	25716.24	-60.35	52.50	2	-9.820E-01	-3.946E-01	5.273E-01	-4.039E+04	-1.516E+03	5.824E+02	-8.472E-02	-1.292E+00	1.039E+00	-1.508E+03	-4.040E+04	1.556E+00
328	2	25725.74	-100.58	52.50	1	-2.513E+00	1.383E+00	-1.137E+00	-2.527E+04	-3.967E+03	-1.945E+03	1.690E+00	-2.821E+00	1.835E+00	-3.791E+03	-2.545E+04	1.661E+00
328	2	25725.74	-100.58	52.50	2	-7.675E-01	-1.137E+00	1.048E+00	-2.633E+04	-3.671E+03	1.736E+03	1.117E-01	-2.016E+00	6.982E-01	-3.539E+03	-2.646E+04	1.495E+00
328	3	25735.24	-60.35	52.50	1	-2.903E+00	7.448E-01	-5.365E-01	-3.969E+04	-6.190E+02	1.468E+03	8.220E-01	-2.980E+00	1.714E+00	-5.639E+02	-3.974E+04	1.533E+00
328	3	25735.24	-60.35	52.50	2	-4.484E-01	-6.345E-01	5.520E-01	-4.033E+04	-3.961E+02	4.361E+03	1.836E-02	-1.101E+00	7.019E-01	7.470E+01	-4.080E+04	1.463E+00
328	4	25725.74	-20.12	52.50	1	-2.645E+00	-1.842E-01	9.515E-02	-5.400E+04	9.690E+02	-1.022E+03	-1.805E-01	-2.649E+00	1.532E+00	9.880E+02	-5.402E+04	1.589E+00
328	4	25725.74	-20.12	52.50	2	-6.628E-01	1.076E-01	3.167E-02	-5.449E+04	6.399E+02	2.063E+03	1.089E-01	-6.641E-01	1.530E+00	7.170E+02	-5.457E+04	1.533E+00
329	1	25524.74	60.35	52.50	1	-4.435E-01	-6.364E-01	5.484E-01	-4.031E+04	-4.022E+02	4.337E+03	1.684E-02	-1.097E+00	6.984E-01	6.375E+01	-4.078E+04	1.464E+00
329	1	25524.74	60.35	52.50	2	-2.809E+00	7.399E-01	-5.405E-01	-3.973E+04	-6.201E+02	1.479E+03	8.204E-01	-2.889E+00	1.719E+00	-5.642E+02	-3.979E+04	1.533E+00
329	2	25534.24	20.12	52.50	1	-6.616E-01	1.061E-01	2.130E-02	-5.447E+04	6.414E+02	1.003E+03	1.067E-01	-6.622E-01	1.543E+00	6.597E+02	-5.449E+04	1.553E+00
329	2	25534.24	20.12	52.50	2	-2.556E+00	-1.836E-01	8.168E-02	-5.403E+04	9.605E+02	-2.041E+03	-1.808E-01	-2.558E+00	1.536E+00	1.036E+03	-5.411E+04	1.608E+00
329	3	25543.74	60.35	52.50	1	-9.842E-01	-3.933E-01	5.237E-01	-4.037E+04	-1.515E+03	5.603E+02	-8.750E-02	-1.290E+00	1.042E+00	-1.507E+03	-4.038E+04	1.556E+00
329	3	25543.74	60.35	52.50	2	-2.171E+00	4.535E-01	-5.095E-01	-3.953E+04	-1.277E+03	-2.300E+03	5.489E-01	-2.267E+00	1.756E+00	-1.140E+03	-3.966E+04	1.631E+00
329	4	25534.24	100.58	52.50	1	-7.661E-01	-1.136E+00	1.051E+00	-2.632E+04	-3.678E+03	1.709E+03	1.159E-01	-2.018E+00	6.983E-01	-3.550E+03	-2.644E+04	1.496E+00
329	4	25534.24	100.58	52.50	2	-2.424E+00	1.377E+00	-1.132E+00	-2.533E+04	-3.960E+03	-1.920E+03	1.688E+00	-2.736E+00	1.839E+00	-3.789E+03	-2.550E+04	1.660E+00
330	1	25562.07	60.35	52.50	1	-1.231E+00	-2.040E+00	2.917E-01	-4.115E+04	-2.602E+03	-1.624E+02	-1.137E+00	-2.135E+00	3.124E-01	-2.601E+03	-4.115E+04	1.575E+00
330	1	25562.07	60.35	52.50	2	-1.924E+00	2.103E+00	-6.334E-01	-4.073E+04	-5.221E+03	-2.597E+03	2.201E+00	-2.021E+00	1.723E+00	-5.032E+03	-4.092E+04	1.643E+00
330	2	25589.24	20.12	52.50	1	-1.086E+00	-1.297E-01	7.551E-01	-5.842E+04	-1.692E+04	-1.225E+03	2.859E-01	-1.502E+00	1.068E+00	-1.689E+04	-5.846E+04	1.600E+00
330	2	25589.24	20.12	52.50	2	-1.456E+00	-1.861E-01	-8.035E-01	-5.698E+04	-1.692E+04	-2.488E+03	2.031E-01	-1.845E+00	2.022E+00	-1.677E+04	-5.714E+04	1.633E+00
330	3	25616.40	60.35	52.50	1	-2.994E-01	-2.374E+00	7.251E-01	-3.976E+04	-2.026E+04	-1.112E+03	-7.099E-02	-2.602E+00	3.051E-01	-2.020E+04	-3.983E+04	1.628E+00
330	3	25616.40	60.35	52.50	2	-1.681E+00	2.017E+00	-1.102E+00	-3.859E+04	-2.200E+04	-1.672E+03	2.320E+00	-1.985E+00	1.840E+00	-2.183E+04	-3.875E+04	1.670E+00
330	4	25589.24	100.58	52.50	1	-4.444E-01	-4.284E+00	2.618E-01	-1.999E+04	-1.356E+04	-1.226E+03	-4.266E-01	-4.302E+00	6.775E-02	-1.333E+04	-2.021E+04	1.753E+00
330	4	25589.24	100.58	52.50	2	-2.150E+00	4.306E+00	-9.319E-01	-1.968E+04	-1.838E+04	-3.072E+03	4.438E+00	-2.282E+00	1.711E+00	-1.589E+04	-2.217E+04	2.252E+00

331	1	25643.57	60.35	52.50	1	-3.002E-01	-2.379E+00	-7.237E-01	-3.976E+04	-2.025E+04	-1.122E+03	-7.308E-02	-2.606E+00	-3.041E-01	-2.019E+04	-3.983E+04	1.628E+00
331	1	25643.57	60.35	52.50	2	-1.682E+00	2.011E+00	1.103E+00	-3.859E+04	-2.202E+04	-1.672E+03	2.316E+00	-1.987E+00	1.301E+00	-2.185E+04	-3.876E+04	1.670E+00
331	2	25670.74	20.12	52.50	1	-1.106E+00	-1.292E-01	-7.641E-01	-5.843E+04	-1.692E+04	1.223E+03	2.892E-01	-1.525E+00	2.072E+00	-1.688E+04	-5.846E+04	1.541E+00
331	2	25670.74	20.12	52.50	2	-1.476E+00	-1.855E-01	7.946E-01	-5.697E+04	-1.692E+04	2.492E+03	1.928E-01	-1.854E+00	1.126E+00	-1.676E+04	-5.713E+04	1.509E+00
331	3	25697.90	60.35	52.50	1	-1.271E+00	-2.032E+00	-2.905E-01	-4.114E+04	-2.570E+03	1.538E+02	-1.173E+00	-2.130E+00	-3.259E-01	-2.569E+03	-4.114E+04	1.567E+00
331	3	25697.90	60.35	52.50	2	-1.964E+00	2.112E+00	6.347E-01	-4.072E+04	-5.240E+03	2.613E+03	2.208E+00	-2.060E+00	1.420E+00	-5.048E+03	-4.091E+04	1.498E+00
331	4	25670.74	100.58	52.50	1	-4.648E-01	-4.282E+00	-2.501E-01	-1.997E+04	-1.351E+04	1.220E+03	-4.484E-01	-4.299E+00	-6.515E-02	-1.329E+04	-2.019E+04	1.390E+00
331	4	25670.74	100.58	52.50	2	-2.170E+00	4.308E+00	9.436E-01	-1.968E+04	-1.842E+04	3.055E+03	4.443E+00	-2.305E+00	1.429E+00	-1.593E+04	-2.217E+04	8.864E-01
332	1	25716.24	60.35	52.50	1	-1.025E+00	-3.938E-01	-5.275E-01	-4.036E+04	-1.517E+03	-5.828E+02	-9.470E-02	-1.324E+00	2.087E+00	-1.508E+03	-4.037E+04	1.586E+00
332	1	25716.24	60.35	52.50	2	-2.213E+00	4.530E-01	5.056E-01	-3.950E+04	-1.277E+03	2.314E+03	5.457E-01	-2.305E+00	1.389E+00	-1.138E+03	-3.964E+04	1.511E+00
332	2	25725.74	20.12	52.50	1	-7.069E-01	1.065E-01	-3.320E-02	-5.446E+04	6.401E+02	-1.022E+03	1.079E-01	-7.083E-01	1.612E+00	6.591E+02	-5.448E+04	1.589E+00
332	2	25725.74	20.12	52.50	2	-2.601E+00	-1.832E-01	-9.362E-02	-5.402E+04	9.687E+02	2.063E+03	-1.796E-01	-2.605E+00	1.609E+00	1.046E+03	-5.410E+04	1.533E+00
332	3	25735.24	60.35	52.50	1	-4.930E-01	-6.331E-01	-5.522E-01	-4.030E+04	-3.954E+02	-4.362E+03	-6.437E-03	-1.120E+00	-7.223E-01	7.582E+01	-4.077E+04	1.678E+00
332	3	25735.24	60.35	52.50	2	-2.858E+00	7.433E-01	5.367E-01	-3.971E+04	-6.197E+02	-1.467E+03	8.216E-01	-2.937E+00	1.426E+00	-5.647E+02	-3.977E+04	1.608E+00
332	4	25725.74	100.58	52.50	1	-8.113E-01	-1.133E+00	-1.046E+00	-2.631E+04	-3.670E+03	-1.737E+03	8.649E-02	-2.031E+00	-7.090E-01	-3.537E+03	-2.644E+04	1.647E+00
332	4	25725.74	100.58	52.50	2	-2.470E+00	1.379E+00	1.136E+00	-2.530E+04	-3.968E+03	1.946E+03	1.690E+00	-2.780E+00	1.304E+00	-3.792E+03	-2.547E+04	1.481E+00
333	1	25534.24	125.95	52.50	1	-1.068E+00	-3.149E-01	4.507E+00	2.131E+03	-1.063E+04	-3.691E+02	3.831E+00	-5.214E+00	8.271E-01	2.142E+03	-1.064E+04	-2.888E-02
333	1	25534.24	125.95	52.50	2	9.889E-01	-5.012E+00	-4.816E+00	2.002E+03	-1.331E+04	8.271E+02	3.663E+00	-7.686E+00	-5.068E-01	2.046E+03	-1.335E+04	5.382E-02
333	2	25543.74	136.45	52.50	1	1.866E+00	-1.479E+00	4.959E+00	2.689E+03	-5.275E+03	-2.883E+02	5.427E+00	-5.040E+00	6.228E-01	2.700E+03	-5.286E+03	-3.614E-02
333	2	25543.74	136.45	52.50	2	-1.278E+00	-5.901E+00	-5.920E+00	5.707E+03	-3.479E+03	2.484E+03	2.765E+00	-9.945E+00	-5.993E-01	6.336E+03	-4.108E+03	2.479E-01
333	3	25534.24	146.95	52.50	1	4.511E+00	-1.666E+00	4.188E+00	9.408E+02	-6.538E+02	1.979E+02	6.626E+00	-3.782E+00	4.677E-01	9.650E+02	-6.780E+02	1.217E-01
333	3	25534.24	146.95	52.50	2	-4.462E+00	-3.691E+00	-5.829E+00	3.738E+03	4.009E+03	1.948E+03	1.765E+00	-9.918E+00	2.323E+00	5.826E+03	1.921E+03	8.201E-01
333	4	25524.74	136.45	52.50	1	1.577E+00	-5.025E-01	3.736E+00	8.765E+02	-6.388E+03	8.703E+02	4.416E+00	-3.341E+00	6.497E-01	9.793E+02	-6.490E+03	1.176E-01
333	4	25524.74	136.45	52.50	2	-2.194E+00	-2.802E+00	-4.725E+00	1.824E+02	-5.934E+03	2.515E+03	2.237E+00	-7.233E+00	-7.533E-01	1.084E+03	-6.835E+03	3.441E-01
334	1	25589.24	125.95	52.50	1	-4.608E+00	-2.600E+00	3.545E+00	-3.896E+03	-1.067E+04	1.940E+03	8.009E-02	-7.288E+00	9.234E-01	-3.380E+03	-1.119E+04	2.601E-01
334	1	25589.24	125.95	52.50	2	4.480E+00	-9.939E-01	-2.142E+00	-4.959E+03	-7.523E+03	2.080E+03	5.218E+00	-1.732E+00	-3.320E-01	-3.798E+03	-8.684E+03	5.092E-01
334	2	25616.40	136.45	52.50	1	-7.991E+00	6.352E-01	-1.783E-01	-7.274E+03	-7.333E+03	8.401E+02	6.389E-01	-7.995E+00	1.591E+00	-6.463E+03	-8.144E+03	7.678E-01
334	2	25616.40	136.45	52.50	2	7.925E+00	-3.959E-01	1.647E+00	-8.682E+03	-7.071E+03	4.694E+02	8.240E+00	-7.101E-01	1.885E-01	-6.944E+03	-8.808E+03	1.307E+00
334	3	25589.24	146.95	52.50	1	-1.138E+01	2.775E-01	3.544E+00	-2.498E+03	-1.387E+03	1.262E+03	1.271E+00	-1.237E+01	1.298E+00	-5.637E+02	-3.322E+03	9.927E-01
334	3	25589.24	146.95	52.50	2	1.137E+01	-3.923E+00	-2.142E+00	-5.885E+03	-3.175E+03	1.292E+03	1.166E+01	-4.218E+00	-1.366E-01	-2.657E+03	-6.403E+03	1.190E+00
334	4	25562.07	136.45	52.50	1	-7.993E+00	-2.958E+00	7.267E+00	8.783E+02	-6.890E+03	8.906E+02	2.215E+00	-1.317E+01	9.521E-01	9.791E+02	-6.991E+03	1.127E-01
334	4	25562.07	136.45	52.50	2	7.924E+00	-4.521E+00	-5.931E+00	-2.164E+03	-5.677E+03	3.275E+03	1.030E+01	-6.895E+00	-3.807E-01	-2.046E+02	-7.636E+03	5.392E-01
335	1	25670.74	125.95	52.50	1	-4.609E+00	-2.643E+00	-3.550E+00	-3.884E+03	-1.068E+04	-1.944E+03	5.800E-02	-7.310E+00	2.221E+00	-3.368E+03	-1.120E+04	-2.597E-01
335	1	25670.74	125.95	52.50	2	4.478E+00	-1.037E+00	2.136E+00	-4.965E+03	-7.466E+03	-2.063E+03	5.209E+00	-1.767E+00	3.295E-01	-3.803E+03	-8.628E+03	-5.129E-01
335	2	25697.90	136.45	52.50	1	-7.996E+00	-3.041E+00	-7.275E+00	9.277E+02	-6.855E+03	-8.645E+02	2.166E+00	-1.320E+01	2.192E+00	1.023E+03	-6.950E+03	-1.093E-01
335	2	25697.90	136.45	52.50	2	7.920E+00	-4.605E+00	5.923E+00	-2.203E+03	-5.611E+03	-3.285E+03	1.028E+01	-6.963E+00	3.788E-01	-2.064E+02	-7.608E+03	-5.462E-01
335	3	25670.74	146.95	52.50	1	-1.138E+01	2.363E-01	-3.550E+00	-2.466E+03	-1.338E+03	-1.256E+03	1.235E+00	-1.238E+01	1.845E+00	-5.256E+02	-3.279E+03	2.145E+00
335	3	25670.74	146.95	52.50	2	1.136E+01	-3.965E+00	2.136E+00	-5.918E+03	-3.179E+03	-1.262E+03	1.166E+01	-4.257E+00	1.359E-01	-2.686E+03	-6.411E+03	1.943E+00
335	4	25643.57	136.45	52.50	1	-7.994E+00	6.347E-01	1.746E-01	-7.280E+03	-7.325E+03	8.332E+02	6.382E-01	-7.998E+00	1.551E+00	-6.469E+03	-8.136E+03	7.716E-01
335	4	25643.57	136.45	52.50	2	7.922E+00	-3.964E-01	-1.651E+00	-8.681E+03	-7.076E+03	4.494E+02	8.238E+00	-7.121E-01	-1.890E-01	-6.959E+03	-8.798E+03	1.315E+00
336	1	25725.74	125.95	52.50	1	-1.069E+00	-3.802E-01	-4.496E+00	2.141E+03	-1.057E+04	3.833E+02	3.785E+00	-5.234E+00	2.318E+00	2.152E+03	-1.058E+04	3.012E-02
336	1	25725.74	125.95	52.50	2	9.883E-01	-5.077E+00	4.828E+00	2.007E+03	-1.329E+04	-8.316E+02	3.657E+00	-7.746E+00	5.049E-01	2.052E+03	-1.334E+04	-5.414E-02
336	2	25735.24	136.45	52.50	1	1.571E+00	-5.502E-01	-3.719E+00	8.789E+02	-6.355E+03	-8.504E+02	4.378E+00	-3.357E+00	-6.465E-01	9.775E+02	-6.454E+03	-1.155E-01

336	2	25735.24	136.45	52.50	2	-2.201E+00	-2.850E+00	4.742E+00	1.705E+02	-5.892E+03	-2.523E+03	2.228E+00	-7.278E+00	7.512E-01	1.083E+03	-6.805E+03	-3.470E-01
336	3	25725.74	146.95	52.50	1	4.509E+00	-1.731E+00	-4.166E+00	9.135E+02	-6.575E+02	-1.857E+02	6.593E+00	-3.816E+00	-4.640E-01	9.352E+02	-6.792E+02	-1.161E-01
336	3	25725.74	146.95	52.50	2	-4.464E+00	-3.757E+00	5.851E+00	3.772E+03	4.098E+03	-1.966E+03	1.752E+00	-9.972E+00	8.156E-01	5.907E+03	1.962E+03	2.315E+00
336	4	25716.24	136.45	52.50	1	1.870E+00	-1.561E+00	-4.942E+00	2.667E+03	-5.244E+03	3.238E+02	5.385E+00	-5.077E+00	-6.183E-01	2.680E+03	-5.257E+03	4.084E-02
336	4	25716.24	136.45	52.50	2	-1.275E+00	-5.984E+00	5.937E+00	5.749E+03	-3.409E+03	-2.503E+03	2.757E+00	-1.002E+01	5.966E-01	6.388E+03	-4.048E+03	-2.501E-01
337	1	25534.24	157.45	52.50	1	4.454E+00	-2.051E+00	-3.285E+00	1.568E+03	1.207E+03	7.537E+02	5.824E+00	-3.421E+00	-3.952E-01	2.162E+03	6.124E+02	6.681E-01
337	1	25534.24	157.45	52.50	2	-3.697E+00	1.410E+00	1.459E+00	4.200E+03	3.742E+03	2.632E+03	1.797E+00	-4.084E+00	1.311E+00	6.613E+03	1.329E+03	7.420E-01
337	2	25543.74	167.95	52.50	1	-4.657E-01	1.453E+00	-3.389E+00	2.661E+03	1.295E+03	8.345E+02	4.015E+00	-3.028E+00	2.218E+00	3.057E+03	8.998E+02	4.424E-01
337	2	25543.74	167.95	52.50	2	-4.610E-01	-1.977E-01	1.821E+00	4.804E+03	1.611E+03	7.565E+02	1.497E+00	-2.156E+00	8.215E-01	4.974E+03	1.440E+03	2.212E-01
337	3	25534.24	178.45	52.50	1	-3.913E+00	-2.386E-02	-1.658E+00	1.534E+03	6.329E+02	8.351E+02	5.872E-01	-4.524E+00	1.924E+00	2.032E+03	1.346E+02	5.380E-01
337	3	25534.24	178.45	52.50	2	2.250E+00	-3.101E-02	8.801E-01	2.148E+03	2.598E+02	1.395E+03	2.550E+00	-3.311E-01	3.286E-01	2.888E+03	-4.802E+02	4.879E-01
337	4	25524.74	167.95	52.50	1	1.006E+00	-3.527E+00	-1.555E+00	7.068E+01	8.266E+02	7.429E+02	1.488E+00	-4.009E+00	-3.006E-01	1.282E+03	-3.849E+02	1.021E+00
337	4	25524.74	167.95	52.50	2	-9.853E-01	1.576E+00	5.181E-01	7.724E+02	2.979E+03	1.715E+03	1.677E+00	-1.086E+00	1.379E+00	3.915E+03	-1.637E+02	1.071E+00
338	1	25589.24	157.45	52.50	1	-1.129E+01	8.188E-01	-1.422E+00	-2.248E+03	-2.573E+02	6.286E+02	9.835E-01	-1.146E+01	1.686E+00	-7.549E+01	-2.430E+03	1.289E+00
338	1	25589.24	157.45	52.50	2	1.187E+01	-5.598E-01	2.927E+00	-5.552E+03	-1.243E+03	1.158E+03	1.253E+01	-1.214E+00	2.200E-01	-9.514E+02	-5.844E+03	1.324E+00
338	2	25616.40	167.95	52.50	1	-1.022E+01	7.336E-01	-2.397E-01	-7.449E+03	-7.029E+02	-8.336E+01	7.389E-01	-1.022E+01	1.593E+00	-7.018E+02	-7.450E+03	1.583E+00
338	2	25616.40	167.95	52.50	2	1.113E+01	-2.025E+00	2.105E+00	-9.086E+03	-1.276E+03	2.827E+02	1.145E+01	-2.353E+00	1.549E-01	-1.266E+03	-9.096E+03	1.535E+00
338	3	25589.24	178.45	52.50	1	-9.145E+00	-9.533E-02	-1.422E+00	-2.525E+03	-4.087E+02	-2.037E+02	1.229E-01	-9.363E+00	1.723E+00	-3.893E+02	-2.545E+03	1.666E+00
338	3	25589.24	178.45	52.50	2	1.038E+01	7.566E-02	2.927E+00	-5.377E+03	-9.025E+01	4.777E+02	1.115E+01	-6.979E-01	2.584E-01	-4.743E+01	-5.420E+03	1.481E+00
338	4	25562.07	167.95	52.50	1	-1.022E+01	-1.020E-02	-2.605E+00	2.675E+03	-1.925E+02	3.624E+02	6.160E-01	-1.085E+01	1.807E+00	2.720E+03	-2.376E+02	1.238E-01
338	4	25562.07	167.95	52.50	2	1.113E+01	1.541E+00	3.749E+00	-1.844E+03	-5.511E+02	2.852E+02	1.242E+01	2.486E-01	3.319E-01	-4.909E+02	-1.904E+03	1.363E+00
339	1	25670.74	157.45	52.50	1	-1.129E+01	8.210E-01	1.417E+00	-2.223E+03	-2.521E+02	-6.116E+02	9.844E-01	-1.146E+01	1.456E+00	-7.769E+01	-2.397E+03	1.849E+00
339	1	25670.74	157.45	52.50	2	1.188E+01	-5.576E-01	-2.932E+00	-5.588E+03	-1.262E+03	-1.133E+03	1.253E+01	-1.214E+00	-2.204E-01	-9.832E+02	-5.867E+03	1.812E+00
339	2	25697.90	167.95	52.50	1	-1.022E+01	-7.257E-04	2.593E+00	2.725E+03	-1.984E+02	-3.599E+02	6.196E-01	-1.084E+01	1.336E+00	2.769E+03	-2.421E+02	-1.207E-01
339	2	25697.90	167.95	52.50	2	1.112E+01	1.550E+00	-3.760E+00	-1.923E+03	-5.702E+02	-2.632E+02	1.242E+01	2.497E-01	-3.329E-01	-5.208E+02	-1.973E+03	1.756E+00
339	3	25670.74	178.45	52.50	1	-9.154E+00	-8.866E-02	1.417E+00	-2.505E+03	-4.135E+02	2.215E+02	1.276E-01	-9.370E+00	1.419E+00	-3.903E+02	-2.528E+03	1.466E+00
339	3	25670.74	178.45	52.50	2	1.037E+01	8.236E-02	-2.933E+00	-5.413E+03	-9.664E+01	-4.603E+02	1.115E+01	-6.950E-01	-2.591E-01	-5.708E+01	-5.453E+03	1.657E+00
339	4	25643.57	167.95	52.50	1	-1.022E+01	7.330E-01	2.400E-01	-7.453E+03	-6.952E+02	-9.378E+01	7.383E-01	-1.023E+01	1.549E+00	-6.939E+02	-7.455E+03	1.585E+00
339	4	25643.57	167.95	52.50	2	1.112E+01	-2.025E+00	-2.105E+00	-9.078E+03	-1.288E+03	2.555E+02	1.145E+01	-2.354E+00	-1.549E-01	-1.280E+03	-9.087E+03	1.538E+00
340	1	25725.74	157.45	52.50	1	4.460E+00	-2.061E+00	3.306E+00	1.534E+03	1.178E+03	-7.412E+02	5.842E+00	-3.443E+00	3.962E-01	2.118E+03	5.935E+02	-6.675E-01
340	1	25725.74	157.45	52.50	2	-3.691E+00	1.400E+00	-1.439E+00	4.221E+03	3.751E+03	-2.652E+03	1.778E+00	-4.069E+00	1.828E+00	6.648E+03	1.324E+03	-7.412E-01
340	2	25735.24	167.95	52.50	1	1.004E+00	-3.550E+00	1.568E+00	6.581E+01	8.087E+02	-7.325E+02	1.491E+00	-4.037E+00	3.015E-01	1.259E+03	-3.841E+02	2.122E+00
340	2	25735.24	167.95	52.50	2	-9.874E-01	1.554E+00	-5.051E-01	7.818E+02	2.997E+03	-1.717E+03	1.651E+00	-1.084E+00	1.760E+00	3.933E+03	-1.537E+02	2.070E+00
340	3	25725.74	178.45	52.50	1	-3.932E+00	-2.772E-02	1.669E+00	1.521E+03	6.375E+02	-8.297E+02	5.885E-01	-4.549E+00	1.217E+00	2.019E+03	1.393E+02	-5.407E-01
340	3	25725.74	178.45	52.50	2	2.231E+00	-3.488E-02	-8.693E-01	2.129E+03	2.498E+02	-1.391E+03	2.526E+00	-3.300E-01	-3.273E-01	2.868E+03	-4.895E+02	-4.884E-01
340	4	25716.24	167.95	52.50	1	-4.767E-01	1.461E+00	3.407E+00	2.625E+03	1.284E+03	-8.162E+02	4.034E+00	-3.050E+00	9.240E-01	3.011E+03	8.983E+02	-4.415E-01
340	4	25716.24	167.95	52.50	2	-4.723E-01	-1.893E-01	-1.803E+00	4.797E+03	1.592E+03	-7.551E+02	1.478E+00	-2.139E+00	2.317E+00	4.966E+03	1.423E+03	-2.201E-01
341	1	28087.74	-167.95	55.05	1	-2.610E-09	-1.740E-08	-9.030E-17	1.807E+03	3.463E+02	1.247E+03	1.740E-09	-2.610E-09	-1.740E-08	2.522E+03	-3.688E+02	5.205E-01
341	1	28087.74	-167.95	55.05	2	2.610E-09	1.740E-08	2.072E-17	1.807E+03	3.463E+02	1.247E+03	1.740E-08	2.610E-09	1.571E+00	2.522E+03	-3.688E+02	5.205E-01
341	2	28097.24	-178.45	55.05	1	-4.151E-16	1.337E-16	6.691E-09	5.099E+02	2.045E+03	1.153E+03	6.691E-09	-6.691E-09	7.854E-01	2.663E+03	-1.079E+02	1.079E+00
341	2	28097.24	-178.45	55.05	2	-8.200E-17	4.668E-16	-6.691E-09	5.099E+02	2.045E+03	1.153E+03	6.691E-09	-6.691E-09	-7.854E-01	2.663E+03	-1.079E+02	1.079E+00
341	3	28106.74	-167.95	55.05	1	2.610E-09	1.740E-08	-1.110E-16	1.716E+03	4.083E+03	8.664E+02	1.740E-08	2.610E-09	1.571E+00	4.366E+03	1.433E+03	1.255E+00
341	3	28106.74	-167.95	55.05	2	-2.610E-09	-1.740E-08	1.110E-16	1.716E+03	4.083E+03	8.664E+02	-2.610E-09	-1.740E-08	7.507E-09	4.366E+03	1.433E+03	1.255E+00

341	4	28097.24	-157.45	55.05	1	-4.664E-16	2.800E-16	-6.691E-09	2.553E+03	2.988E+03	1.535E+03	6.691E-09	-6.691E-09	-7.854E-01	4.320E+03	1.221E+03	8.559E-01
341	4	28097.24	-157.45	55.05	2	-4.941E-16	2.523E-16	6.691E-09	2.553E+03	2.989E+03	1.535E+03	6.691E-09	-6.691E-09	7.854E-01	4.321E+03	1.221E+03	8.559E-01
342	1	28125.07	-167.95	55.05	1	-9.127E-10	-6.085E-09	-1.881E-16	-1.808E+02	6.767E+02	4.224E+02	-9.127E-10	-6.085E-09	-3.636E-08	8.498E+02	-3.539E+02	1.182E+00
342	1	28125.07	-167.95	55.05	2	9.127E-10	6.085E-09	-1.325E-16	-1.808E+02	6.767E+02	4.224E+02	6.085E-09	9.127E-10	1.571E+00	8.498E+02	-3.539E+02	1.182E+00
342	2	28152.24	-178.45	55.05	1	-2.211E-16	4.111E-16	6.691E-09	-2.895E+02	-3.956E+03	2.745E+02	6.691E-09	-6.691E-09	7.854E-01	-2.691E+02	-3.977E+03	7.432E-02
342	2	28152.24	-178.45	55.05	2	-5.403E-16	9.190E-17	-6.691E-09	-2.896E+02	-3.957E+03	2.746E+02	6.691E-09	-6.691E-09	-7.854E-01	-2.691E+02	-3.977E+03	7.432E-02
342	3	28179.40	-167.95	55.05	1	9.127E-10	6.085E-09	1.943E-16	-1.248E+03	-8.512E+03	-1.568E+02	6.085E-09	9.127E-10	1.571E+00	-1.245E+03	-8.516E+03	-2.158E-02
342	3	28179.40	-167.95	55.05	2	-9.127E-10	-6.085E-09	-1.943E-16	-1.248E+03	-8.513E+03	-1.569E+02	-9.127E-10	-6.085E-09	-3.757E-08	-1.245E+03	-8.516E+03	-2.158E-02
342	4	28152.24	-157.45	55.05	1	-7.094E-16	1.474E-16	-6.691E-09	-7.686E+02	-3.879E+03	1.173E+03	6.691E-09	-6.691E-09	-7.854E-01	-3.761E+02	-4.271E+03	3.230E-01
342	4	28152.24	-157.45	55.05	2	-5.012E-16	3.555E-16	6.691E-09	-7.686E+02	-3.879E+03	1.173E+03	6.691E-09	-6.691E-09	7.854E-01	-3.761E+02	-4.272E+03	3.230E-01
343	1	28206.57	-167.95	55.05	1	-9.127E-10	-6.085E-09	-1.554E-17	-1.248E+03	-8.512E+03	-1.568E+02	-9.127E-10	-6.085E-09	-3.005E-09	-1.245E+03	-8.516E+03	-2.158E-02
343	1	28206.57	-167.95	55.05	2	9.127E-10	6.085E-09	-5.717E-17	-1.248E+03	-8.513E+03	-1.569E+02	6.085E-09	9.127E-10	1.571E+00	-1.245E+03	-8.516E+03	-2.158E-02
343	2	28233.74	-178.45	55.05	1	-2.472E-16	4.383E-16	6.691E-09	-2.896E+02	-3.956E+03	-2.745E+02	6.691E-09	-6.691E-09	7.854E-01	-2.691E+02	-3.977E+03	-7.432E-02
343	2	28233.74	-178.45	55.05	2	-2.402E-16	4.453E-16	-6.691E-09	-2.896E+02	-3.957E+03	-2.746E+02	6.691E-09	-6.691E-09	-7.854E-01	-2.691E+02	-3.977E+03	-7.432E-02
343	3	28260.90	-167.95	55.05	1	9.127E-10	6.085E-09	3.469E-17	-1.808E+02	6.767E+02	-4.224E+02	6.085E-09	9.127E-10	1.571E+00	8.498E+02	-3.539E+02	1.960E+00
343	3	28260.90	-167.95	55.05	2	-9.127E-10	-6.085E-09	-3.469E-17	-1.808E+02	6.767E+02	-4.224E+02	-9.127E-10	-6.085E-09	-6.708E-09	8.498E+02	-3.539E+02	1.960E+00
343	4	28233.74	-157.45	55.05	1	-2.395E-16	3.958E-16	-6.691E-09	-7.686E+02	-3.879E+03	-1.173E+03	6.691E-09	-6.691E-09	-7.854E-01	-3.761E+02	-4.271E+03	-3.230E-01
343	4	28233.74	-157.45	55.05	2	-2.048E-16	4.305E-16	6.691E-09	-7.686E+02	-3.879E+03	-1.173E+03	6.691E-09	-6.691E-09	7.854E-01	-3.761E+02	-4.272E+03	-3.230E-01
344	1	28279.24	-167.95	55.05	1	-2.610E-09	-1.740E-08	7.712E-18	1.716E+03	4.083E+03	-8.664E+02	-2.610E-09	-1.740E-08	5.214E-10	4.366E+03	1.433E+03	1.887E+00
344	1	28279.24	-167.95	55.05	2	2.610E-09	1.740E-08	-1.172E-16	1.716E+03	4.083E+03	-8.664E+02	1.740E-08	2.610E-09	1.571E+00	4.366E+03	1.433E+03	1.887E+00
344	2	28288.74	-178.45	55.05	1	-2.718E-16	2.683E-16	6.691E-09	5.099E+02	2.045E+03	-1.153E+03	6.691E-09	-6.691E-09	7.854E-01	2.663E+03	-1.079E+02	2.063E+00
344	2	28288.74	-178.45	55.05	2	-1.781E-16	3.620E-16	-6.691E-09	5.099E+02	2.045E+03	-1.153E+03	6.691E-09	-6.691E-09	-7.854E-01	2.663E+03	-1.079E+02	2.063E+00
344	3	28298.24	-167.95	55.05	1	2.610E-09	1.740E-08	4.857E-17	1.807E+03	3.463E+02	-1.247E+03	1.740E-08	2.610E-09	1.571E+00	2.522E+03	-3.688E+02	-5.205E-01
344	3	28298.24	-167.95	55.05	2	-2.610E-09	-1.740E-08	-4.857E-17	1.807E+03	3.463E+02	-1.247E+03	-2.610E-09	-1.740E-08	-3.284E-09	2.522E+03	-3.688E+02	-5.205E-01
344	4	28288.74	-157.45	55.05	1	-3.212E-16	4.098E-16	-6.691E-09	2.553E+03	2.988E+03	-1.535E+03	6.691E-09	-6.691E-09	-7.854E-01	4.320E+03	1.221E+03	2.286E+00
344	4	28288.74	-157.45	55.05	2	-1.772E-16	5.538E-16	6.691E-09	2.553E+03	2.989E+03	-1.535E+03	6.691E-09	-6.691E-09	7.854E-01	4.321E+03	1.221E+03	2.286E+00
345	1	28097.24	-146.95	55.05	1	-2.440E-16	-8.574E-17	-6.691E-09	2.242E+03	6.154E+02	-9.194E+02	6.691E-09	-6.691E-09	-7.854E-01	2.656E+03	2.012E+02	-4.233E-01
345	1	28097.24	-146.95	55.05	2	-3.551E-16	-8.574E-17	6.691E-09	2.242E+03	6.155E+02	-9.195E+02	6.691E-09	-6.691E-09	7.854E-01	2.656E+03	2.013E+02	-4.233E-01
345	2	28106.74	-136.45	55.05	1	1.740E-08	2.610E-09	-1.665E-16	3.975E+03	-5.683E+03	-1.167E+03	1.740E-08	2.610E-09	-1.126E-08	4.114E+03	-5.822E+03	-1.186E-01
345	2	28106.74	-136.45	55.05	2	-1.740E-08	-2.610E-09	1.665E-16	3.975E+03	-5.683E+03	-1.167E+03	-2.610E-09	-1.740E-08	1.571E+00	4.114E+03	-5.822E+03	-1.186E-01
345	3	28097.24	-125.95	55.05	1	8.172E-16	-9.386E-16	6.691E-09	1.910E+03	-1.304E+04	-2.771E+02	6.691E-09	-6.691E-09	7.854E-01	1.915E+03	-1.305E+04	-1.853E-02
345	3	28097.24	-125.95	55.05	2	8.450E-16	-9.108E-16	-6.691E-09	1.910E+03	-1.304E+04	-2.772E+02	6.691E-09	-6.691E-09	-7.854E-01	1.915E+03	-1.305E+04	-1.853E-02
345	4	28087.74	-136.45	55.05	1	-1.740E-08	-2.610E-09	-5.551E-17	6.590E+02	-7.110E+03	-1.731E+03	-2.610E-09	-1.740E-08	1.571E+00	1.027E+03	-7.478E+03	-2.096E-01
345	4	28087.74	-136.45	55.05	2	1.740E-08	2.610E-09	5.551E-17	6.590E+02	-7.110E+03	-1.731E+03	1.740E-08	2.610E-09	3.753E-09	1.027E+03	-7.479E+03	-2.096E-01
346	1	28152.24	-146.95	55.05	1	-5.110E-16	-3.514E-17	-6.691E-09	-4.286E+03	-3.046E+03	-1.522E+03	6.691E-09	-6.691E-09	-7.854E-01	-2.022E+03	-5.310E+03	2.163E+00
346	1	28152.24	-146.95	55.05	2	-4.000E-16	-2.572E-16	6.691E-09	-4.286E+03	-3.046E+03	-1.522E+03	6.691E-09	-6.691E-09	7.854E-01	-2.022E+03	-5.310E+03	2.163E+00
346	2	28179.40	-136.45	55.05	1	6.085E-09	9.127E-10	2.776E-17	-7.972E+03	-7.642E+03	6.831E+02	6.085E-09	9.127E-10	5.367E-09	-7.104E+03	-8.510E+03	9.041E-01
346	2	28179.40	-136.45	55.05	2	-6.085E-09	-9.127E-10	-2.776E-17	-7.973E+03	-7.642E+03	6.831E+02	-9.127E-10	-6.085E-09	1.571E+00	-7.105E+03	-8.510E+03	9.041E-01
346	3	28152.24	-125.95	55.05	1	5.114E-16	-1.536E-15	6.691E-09	-4.499E+03	-9.826E+03	-2.038E+03	6.691E-09	-6.691E-09	7.854E-01	-3.809E+03	-1.052E+04	-3.266E-01
346	3	28152.24	-125.95	55.05	2	3.310E-16	-1.716E-15	-6.691E-09	-4.500E+03	-9.826E+03	-2.038E+03	6.691E-09	-6.691E-09	-7.854E-01	-3.809E+03	-1.052E+04	-3.266E-01
346	4	28125.07	-136.45	55.05	1	-6.085E-09	-9.127E-10	-1.110E-16	-8.146E+02	-7.590E+03	-2.141E+03	-9.127E-10	-6.085E-09	1.571E+00	-1.947E+02	-8.210E+03	-2.818E-01
346	4	28125.07	-136.45	55.05	2	6.085E-09	9.127E-10	1.110E-16	-8.147E+02	-7.591E+03	-2.141E+03	6.085E-09	9.127E-10	2.147E-08	-1.947E+02	-8.211E+03	-2.818E-01
347	1	28233.74	-146.95	55.05	1	9.818E-17	-2.510E-19	-6.691E-09	-4.286E+03	-3.046E+03	1.522E+03	6.691E-09	-6.691E-09	-7.854E-01	-2.022E+03	-5.310E+03	9.789E-01

347	1	28233.74	-146.95	55.05	2	2.925E-16	-2.510E-19	6.691E-09	-4.286E+03	-3.046E+03	1.522E+03	6.691E-09	-6.691E-09	7.854E-01	-2.022E+03	-5.310E+03	9.789E-01
347	2	28260.90	-136.45	55.05	1	6.085E-09	9.127E-10	7.633E-17	-8.146E+02	-7.590E+03	2.141E+03	6.085E-09	9.127E-10	1.476E-08	-1.947E+02	-8.210E+03	2.818E-01
347	2	28260.90	-136.45	55.05	2	-6.085E-09	-9.127E-10	-7.633E-17	-8.147E+02	-7.591E+03	2.141E+03	-9.127E-10	-6.085E-09	1.571E+00	-1.947E+02	-8.211E+03	2.818E-01
347	3	28233.74	-125.95	55.05	1	9.344E-16	-2.473E-16	6.691E-09	-4.499E+03	-9.826E+03	2.038E+03	6.691E-09	-6.691E-09	7.854E-01	-3.809E+03	-1.052E+04	3.266E-01
347	3	28233.74	-125.95	55.05	2	7.401E-16	-4.416E-16	-6.691E-09	-4.500E+03	-9.826E+03	2.038E+03	6.691E-09	-6.691E-09	-7.854E-01	-3.809E+03	-1.052E+04	3.266E-01
347	4	28206.57	-136.45	55.05	1	-6.085E-09	-9.127E-10	1.180E-16	-7.972E+03	-7.642E+03	6.831E+02	-9.127E-10	-6.085E-09	1.571E+00	-7.104E+03	-8.510E+03	9.041E-01
347	4	28206.57	-136.45	55.05	2	6.085E-09	9.127E-10	-1.180E-16	-7.973E+03	-7.642E+03	6.831E+02	6.085E-09	9.127E-10	-2.281E-08	-7.105E+03	-8.510E+03	9.041E-01
348	1	28288.74	-146.95	55.05	1	1.658E-16	1.085E-16	-6.691E-09	2.242E+03	6.154E+02	9.194E+02	6.691E-09	-6.691E-09	-7.854E-01	2.656E+03	2.012E+02	4.233E-01
348	1	28288.74	-146.95	55.05	2	3.116E-16	1.918E-16	6.691E-09	2.242E+03	6.155E+02	9.195E+02	6.691E-09	-6.691E-09	7.854E-01	2.656E+03	2.013E+02	4.233E-01
348	2	28298.24	-136.45	55.05	1	1.740E-08	2.610E-09	4.163E-17	6.590E+02	-7.110E+03	1.731E+03	1.740E-08	2.610E-09	2.815E-09	1.027E+03	-7.478E+03	2.096E-01
348	2	28298.24	-136.45	55.05	2	-1.740E-08	-2.610E-09	-4.163E-17	6.590E+02	-7.110E+03	1.731E+03	-2.610E-09	-1.740E-08	1.571E+00	1.027E+03	-7.479E+03	2.096E-01
348	3	28288.74	-125.95	55.05	1	8.575E-16	-1.002E-15	6.691E-09	1.910E+03	-1.304E+04	2.771E+02	6.691E-09	-6.691E-09	7.854E-01	1.915E+03	-1.305E+04	1.852E-02
348	3	28288.74	-125.95	55.05	2	9.043E-16	-9.552E-16	-6.691E-09	1.910E+03	-1.304E+04	2.772E+02	6.691E-09	-6.691E-09	-7.854E-01	1.915E+03	-1.305E+04	1.853E-02
348	4	28279.24	-136.45	55.05	1	-1.740E-08	-2.610E-09	1.388E-17	3.975E+03	-5.683E+03	1.167E+03	-2.610E-09	-1.740E-08	1.571E+00	4.114E+03	-5.822E+03	1.186E-01
348	4	28279.24	-136.45	55.05	2	1.740E-08	2.610E-09	-1.388E-17	3.975E+03	-5.683E+03	1.167E+03	1.740E-08	2.610E-09	-9.383E-10	4.114E+03	-5.822E+03	1.186E-01
349	1	28087.74	-60.35	55.05	1	-1.305E-09	-8.700E-09	-1.917E-16	-4.091E+04	-5.331E+02	-2.885E+03	-1.305E-09	-8.700E-09	-2.593E-08	-3.280E+02	-4.111E+04	1.642E+00
349	1	28087.74	-60.35	55.05	2	1.305E-09	8.700E-09	-5.248E-16	-4.091E+04	-5.330E+02	-2.884E+03	8.700E-09	1.305E-09	1.571E+00	-3.280E+02	-4.111E+04	1.642E+00
349	2	28097.24	-100.58	55.05	1	-1.313E-15	-3.678E-17	8.730E-10	-2.674E+04	-3.853E+03	1.367E+02	8.730E-10	-8.730E-10	7.854E-01	-3.852E+03	-2.674E+04	1.565E+00
349	2	28097.24	-100.58	55.05	2	-1.382E-15	-1.062E-16	-8.730E-10	-2.674E+04	-3.852E+03	1.370E+02	8.730E-10	-8.730E-10	-7.854E-01	-3.852E+03	-2.674E+04	1.565E+00
349	3	28106.74	-60.35	55.05	1	1.305E-09	8.700E-09	1.358E-24	-4.082E+04	-1.395E+03	8.797E+02	8.700E-09	1.305E-09	1.571E+00	-1.375E+03	-4.084E+04	1.548E+00
349	3	28106.74	-60.35	55.05	2	-1.305E-09	-8.700E-09	-1.358E-24	-4.082E+04	-1.395E+03	8.801E+02	-1.305E-09	-8.700E-09	-1.837E-16	-1.375E+03	-4.084E+04	1.548E+00
349	4	28097.24	-20.12	55.05	1	-1.537E-15	6.370E-16	-8.730E-10	-5.510E+04	7.931E+02	5.148E+02	8.730E-10	-8.730E-10	-7.854E-01	7.979E+02	-5.510E+04	1.562E+00
349	4	28097.24	-20.12	55.05	2	-1.725E-15	4.496E-16	8.730E-10	-5.510E+04	7.929E+02	5.153E+02	8.730E-10	-8.730E-10	7.854E-01	7.977E+02	-5.510E+04	1.562E+00
350	1	28125.07	-60.35	55.05	1	-4.563E-10	-3.042E-09	-1.053E-15	-4.182E+04	-3.927E+03	1.388E+03	-4.563E-10	-3.042E-09	-4.074E-07	-3.876E+03	-4.187E+04	1.534E+00
350	1	28125.07	-60.35	55.05	2	4.563E-10	3.042E-09	-1.053E-15	-4.182E+04	-3.926E+03	1.388E+03	3.042E-09	4.563E-10	1.571E+00	-3.875E+03	-4.187E+04	1.534E+00
350	2	28152.24	-100.58	55.05	1	-1.452E-15	1.023E-15	8.730E-10	-2.069E+04	-1.597E+04	2.144E+03	8.730E-10	-8.730E-10	7.854E-01	-1.514E+04	-2.152E+04	1.203E+00
350	2	28152.24	-100.58	55.05	2	-1.479E-15	9.951E-16	-8.730E-10	-2.069E+04	-1.597E+04	2.144E+03	8.730E-10	-8.730E-10	-7.854E-01	-1.514E+04	-2.152E+04	1.202E+00
350	3	28179.40	-60.35	55.05	1	4.563E-10	3.042E-09	2.776E-17	-4.002E+04	-2.100E+04	1.408E+03	3.042E-09	4.563E-10	1.571E+00	-2.090E+04	-4.013E+04	1.497E+00
350	3	28179.40	-60.35	55.05	2	-4.563E-10	-3.042E-09	-2.776E-17	-4.003E+04	-2.101E+04	1.408E+03	-4.563E-10	-3.042E-09	-1.073E-08	-2.090E+04	-4.013E+04	1.497E+00
350	4	28152.24	-20.12	55.05	1	-1.116E-15	3.499E-15	-8.730E-10	-5.854E+04	-1.690E+04	1.868E+03	8.730E-10	-8.730E-10	-7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
350	4	28152.24	-20.12	55.05	2	-9.498E-16	3.665E-15	8.730E-10	-5.855E+04	-1.690E+04	1.870E+03	8.730E-10	-8.730E-10	7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
351	1	28206.57	-60.35	55.05	1	-4.563E-10	-3.042E-09	7.576E-16	-4.002E+04	-2.100E+04	1.408E+03	-4.563E-10	-3.042E-09	2.930E-07	-2.090E+04	-4.013E+04	1.497E+00
351	1	28206.57	-60.35	55.05	2	4.563E-10	3.042E-09	1.077E-15	-4.003E+04	-2.101E+04	1.408E+03	3.042E-09	4.563E-10	1.571E+00	-2.090E+04	-4.013E+04	1.497E+00
351	2	28233.74	-100.58	55.05	1	-7.092E-16	8.481E-16	8.730E-10	-2.069E+04	-1.597E+04	-2.144E+03	8.730E-10	-8.730E-10	7.854E-01	-1.514E+04	-2.152E+04	1.939E+00
351	2	28233.74	-100.58	55.05	2	-7.075E-16	8.498E-16	-8.730E-10	-2.069E+04	-1.597E+04	-2.144E+03	8.730E-10	-8.730E-10	-7.854E-01	-1.514E+04	-2.152E+04	1.939E+00
351	3	28260.90	-60.35	55.05	1	4.563E-10	3.042E-09	-2.220E-16	-4.182E+04	-3.927E+03	-1.388E+03	3.042E-09	4.563E-10	1.571E+00	-3.876E+03	-4.187E+04	1.607E+00
351	3	28260.90	-60.35	55.05	2	-4.563E-10	-3.042E-09	2.220E-16	-4.182E+04	-3.926E+03	-1.388E+03	-4.563E-10	-3.042E-09	8.587E-08	-3.875E+03	-4.187E+04	1.607E+00
351	4	28233.74	-20.12	55.05	1	-7.666E-15	1.450E-15	-8.730E-10	-5.854E+04	-1.690E+04	-1.868E+03	8.730E-10	-8.730E-10	-7.854E-01	-1.681E+04	-5.863E+04	1.616E+00
351	4	28233.74	-20.12	55.05	2	-8.003E-15	1.114E-15	8.730E-10	-5.855E+04	-1.690E+04	-1.870E+03	8.730E-10	-8.731E-10	7.854E-01	-1.681E+04	-5.863E+04	1.616E+00
352	1	28279.24	-60.35	55.05	1	-1.305E-09	-8.700E-09	4.495E-17	-4.082E+04	-1.395E+03	-8.797E+02	-1.305E-09	-8.700E-09	6.079E-09	-1.375E+03	-4.084E+04	1.593E+00
352	1	28279.24	-60.35	55.05	2	1.305E-09	8.700E-09	1.005E-16	-4.082E+04	-1.395E+03	-8.802E+02	8.700E-09	1.305E-09	1.571E+00	-1.375E+03	-4.084E+04	1.593E+00
352	2	28288.74	-100.58	55.05	1	-1.359E-15	1.203E-16	8.730E-10	-2.674E+04	-3.853E+03	-1.367E+02	8.730E-10	-8.730E-10	7.854E-01	-3.852E+03	-2.674E+04	1.577E+00
352	2	28288.74	-100.58	55.05	2	-1.663E-15	-1.829E-16	-8.730E-10	-2.674E+04	-3.852E+03	-1.371E+02	8.730E-10	-8.730E-10	-7.854E-01	-3.852E+03	-2.674E+04	1.577E+00



352	3	28298.24	-60.35	55.05	1	1.305E-09	8.700E-09	-2.082E-17	-4.091E+04	-5.331E+02	2.885E+03	8.700E-09	1.305E-09	1.571E+00	-3.280E+02	-4.111E+04	1.500E+00
352	3	28298.24	-60.35	55.05	2	-1.305E-09	-8.700E-09	2.082E-17	-4.091E+04	-5.330E+02	2.884E+03	-1.305E-09	-8.700E-09	2.815E-09	-3.280E+02	-4.111E+04	1.500E+00
352	4	28288.74	-20.12	55.05	1	-1.173E-15	2.188E-15	-8.730E-10	-5.510E+04	7.932E+02	5.153E+02	8.730E-10	-8.730E-10	-7.854E-01	7.979E+02	-5.510E+04	1.562E+00
352	4	28288.74	-20.12	55.05	2	-1.336E-15	2.025E-15	8.730E-10	-5.510E+04	7.929E+02	5.148E+02	8.730E-10	-8.730E-10	7.854E-01	7.977E+02	-5.510E+04	1.562E+00
353	1	28087.74	60.35	55.05	1	1.305E-09	8.700E-09	5.282E-16	-4.091E+04	-5.330E+02	2.884E+03	8.700E-09	1.305E-09	1.571E+00	-3.280E+02	-4.111E+04	1.500E+00
353	1	28087.74	60.35	55.05	2	-1.305E-09	-8.700E-09	6.393E-16	-4.091E+04	-5.331E+02	2.885E+03	-1.305E-09	-8.700E-09	8.645E-08	-3.280E+02	-4.111E+04	1.500E+00
353	2	28097.24	20.12	55.05	1	-1.209E-15	6.546E-16	-8.730E-10	-5.510E+04	7.929E+02	5.148E+02	8.730E-10	-8.730E-10	-7.854E-01	7.977E+02	-5.510E+04	1.562E+00
353	2	28097.24	20.12	55.05	2	-1.091E-15	7.725E-16	8.730E-10	-5.510E+04	7.931E+02	5.153E+02	8.730E-10	-8.730E-10	7.854E-01	7.979E+02	-5.510E+04	1.562E+00
353	3	28106.74	60.35	55.05	1	-1.305E-09	-8.700E-09	-1.110E-16	-4.082E+04	-1.395E+03	-8.801E+02	-1.305E-09	-8.700E-09	-1.501E-08	-1.375E+03	-4.084E+04	1.593E+00
353	3	28106.74	60.35	55.05	2	1.305E-09	8.700E-09	1.110E-16	-4.082E+04	-1.395E+03	-8.797E+02	8.700E-09	1.305E-09	1.571E+00	-1.375E+03	-4.084E+04	1.593E+00
353	4	28097.24	100.58	55.05	1	-1.230E-15	-3.781E-16	8.730E-10	-2.674E+04	-3.852E+03	-1.370E+02	8.730E-10	-8.730E-10	7.854E-01	-3.852E+03	-2.674E+04	1.577E+00
353	4	28097.24	100.58	55.05	2	-1.029E-15	-1.768E-16	-8.730E-10	-2.674E+04	-3.853E+03	-1.367E+02	8.730E-10	-8.730E-10	-7.854E-01	-3.852E+03	-2.674E+04	1.577E+00
354	1	28125.07	60.35	55.05	1	4.563E-10	3.042E-09	9.663E-16	-4.182E+04	-3.926E+03	-1.388E+03	3.042E-09	4.563E-10	1.571E+00	-3.875E+03	-4.187E+04	1.607E+00
354	1	28125.07	60.35	55.05	2	-4.563E-10	-3.042E-09	1.521E-15	-4.182E+04	-3.927E+03	-1.388E+03	-4.563E-10	-3.042E-09	5.884E-07	-3.876E+03	-4.187E+04	1.607E+00
354	2	28152.24	20.12	55.05	1	-2.824E-15	1.802E-15	-8.730E-10	-5.855E+04	-1.690E+04	1.868E+03	8.730E-10	-8.730E-10	-7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
354	2	28152.24	20.12	55.05	2	-2.817E-15	1.809E-15	8.730E-10	-5.854E+04	-1.690E+04	1.870E+03	8.730E-10	-8.730E-10	7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
354	3	28179.40	60.35	55.05	1	-4.563E-10	-3.042E-09	-2.498E-16	-4.003E+04	-2.101E+04	-1.408E+03	-4.563E-10	-3.042E-09	-9.660E-08	-2.090E+04	-4.013E+04	1.644E+00
354	3	28179.40	60.35	55.05	2	4.563E-10	3.042E-09	2.498E-16	-4.002E+04	-2.100E+04	-1.408E+03	3.042E-09	4.563E-10	1.571E+00	-2.090E+04	-4.013E+04	1.644E+00
354	4	28152.24	100.58	55.05	1	-4.341E-15	6.910E-16	8.730E-10	-2.069E+04	-1.597E+04	-2.144E+03	8.730E-10	-8.730E-10	7.854E-01	-1.514E+04	-2.152E+04	1.939E+00
354	4	28152.24	100.58	55.05	2	-4.511E-15	5.210E-16	-8.730E-10	-2.069E+04	-1.597E+04	-2.144E+03	8.730E-10	-8.730E-10	-7.854E-01	-1.514E+04	-2.152E+04	1.939E+00
355	1	28206.57	60.35	55.05	1	4.563E-10	3.042E-09	3.899E-15	-4.003E+04	-2.101E+04	-1.408E+03	3.042E-09	4.563E-10	1.571E+00	-2.090E+04	-4.013E+04	1.644E+00
355	1	28206.57	60.35	55.05	2	-4.563E-10	-3.042E-09	5.273E-15	-4.002E+04	-2.100E+04	-1.408E+03	-4.563E-10	-3.042E-09	2.039E-06	-2.090E+04	-4.013E+04	1.644E+00
355	2	28233.74	20.12	55.05	1	-1.021E-14	-1.791E-15	-8.730E-10	-5.855E+04	-1.690E+04	-1.868E+03	8.730E-10	-8.731E-10	-7.854E-01	-1.681E+04	-5.863E+04	1.616E+00
355	2	28233.74	20.12	55.05	2	-1.121E-14	-2.794E-15	8.730E-10	-5.854E+04	-1.690E+04	-1.870E+03	8.730E-10	-8.731E-10	7.854E-01	-1.681E+04	-5.863E+04	1.616E+00
355	3	28260.90	60.35	55.05	1	-4.563E-10	-3.042E-09	-6.731E-16	-4.182E+04	-3.926E+03	1.388E+03	-4.563E-10	-3.042E-09	-2.603E-07	-3.875E+03	-4.187E+04	1.534E+00
355	3	28260.90	60.35	55.05	2	4.563E-10	3.042E-09	6.731E-16	-4.182E+04	-3.927E+03	1.388E+03	3.042E-09	4.563E-10	1.571E+00	-3.876E+03	-4.187E+04	1.534E+00
355	4	28233.74	100.58	55.05	1	-8.894E-15	3.504E-15	8.730E-10	-2.069E+04	-1.597E+04	2.144E+03	8.730E-10	-8.730E-10	7.854E-01	-1.514E+04	-2.152E+04	1.202E+00
355	4	28233.74	100.58	55.05	2	-9.903E-15	2.494E-15	-8.730E-10	-2.069E+04	-1.597E+04	2.144E+03	8.730E-10	-8.730E-10	-7.854E-01	-1.514E+04	-2.152E+04	1.203E+00
356	1	28279.24	60.35	55.05	1	1.305E-09	8.700E-09	3.689E-15	-4.082E+04	-1.395E+03	8.802E+02	8.700E-09	1.305E-09	1.571E+00	-1.375E+03	-4.084E+04	1.548E+00
356	1	28279.24	60.35	55.05	2	-1.305E-09	-8.700E-09	4.397E-15	-4.082E+04	-1.395E+03	8.797E+02	-1.305E-09	-8.700E-09	5.946E-07	-1.375E+03	-4.084E+04	1.548E+00
356	2	28288.74	20.12	55.05	1	-7.972E-15	1.156E-15	-8.730E-10	-5.510E+04	7.929E+02	5.153E+02	8.730E-10	-8.730E-10	-7.854E-01	7.977E+02	-5.510E+04	1.562E+00
356	2	28288.74	20.12	55.05	2	-9.080E-15	4.839E-17	8.730E-10	-5.510E+04	7.932E+02	5.148E+02	8.730E-10	-8.731E-10	7.854E-01	7.979E+02	-5.510E+04	1.562E+00
356	3	28298.24	60.35	55.05	1	-1.305E-09	-8.700E-09	-3.469E-16	-4.091E+04	-5.330E+02	-2.884E+03	-1.305E-09	-8.700E-09	-4.692E-08	-3.280E+02	-4.111E+04	1.642E+00
356	3	28298.24	60.35	55.05	2	1.305E-09	8.700E-09	3.469E-16	-4.091E+04	-5.331E+02	-2.885E+03	8.700E-09	1.305E-09	1.571E+00	-3.280E+02	-4.111E+04	1.642E+00
356	4	28288.74	100.58	55.05	1	-1.707E-14	3.428E-15	8.730E-10	-2.674E+04	-3.852E+03	1.371E+02	8.730E-10	-8.731E-10	7.854E-01	-3.852E+03	-2.674E+04	1.565E+00
356	4	28288.74	100.58	55.05	2	-1.828E-14	2.213E-15	-8.730E-10	-2.674E+04	-3.853E+03	1.367E+02	8.730E-10	-8.731E-10	-7.854E-01	-3.852E+03	-2.674E+04	1.565E+00
357	1	28097.24	125.95	55.05	1	-2.290E-16	1.641E-15	6.691E-09	1.910E+03	-1.304E+04	2.772E+02	6.691E-09	-6.691E-09	7.854E-01	1.915E+03	-1.305E+04	1.853E-02
357	1	28097.24	125.95	55.05	2	4.852E-17	3.417E-15	-6.691E-09	1.910E+03	-1.304E+04	2.771E+02	6.691E-09	-6.691E-09	-7.854E-01	1.915E+03	-1.305E+04	1.853E-02
357	2	28106.74	136.45	55.05	1	-1.740E-08	-2.610E-09	-3.331E-16	3.975E+03	-5.683E+03	1.167E+03	-2.610E-09	-1.740E-08	1.571E+00	4.114E+03	-5.822E+03	1.186E-01
357	2	28106.74	136.45	55.05	2	1.740E-08	2.610E-09	3.331E-16	3.975E+03	-5.683E+03	1.167E+03	1.740E-08	2.610E-09	2.252E-08	4.114E+03	-5.822E+03	1.186E-01
357	3	28097.24	146.95	55.05	1	2.522E-15	-5.423E-16	-6.691E-09	2.242E+03	6.155E+02	9.195E+02	6.691E-09	-6.691E-09	-7.854E-01	2.656E+03	2.013E+02	4.233E-01
357	3	28097.24	146.95	55.05	2	3.355E-15	2.903E-16	6.691E-09	2.242E+03	6.154E+02	9.194E+02	6.691E-09	-6.691E-09	7.854E-01	2.656E+03	2.012E+02	4.233E-01
357	4	28087.74	136.45	55.05	1	1.740E-08	2.610E-09	-3.331E-16	6.590E+02	-7.110E+03	1.731E+03	1.740E-08	2.610E-09	-2.252E-08	1.027E+03	-7.479E+03	2.096E-01

357	4	28087.74	136.45	55.05	2	-1.740E-08	-2.610E-09	3.331E-16	6.590E+02	-7.110E+03	1.731E+03	-2.610E-09	-1.740E-08	1.571E+00	1.027E+03	-7.478E+03	2.096E-01
358	1	28152.24	125.95	55.05	1	-1.308E-15	-4.467E-16	6.691E-09	-4.500E+03	-9.826E+03	2.038E+03	6.691E-09	-6.691E-09	7.854E-01	-3.809E+03	-1.052E+04	3.266E-01
358	1	28152.24	125.95	55.05	2	-1.308E-15	4.415E-16	-6.691E-09	-4.499E+03	-9.826E+03	2.038E+03	6.691E-09	-6.691E-09	-7.854E-01	-3.809E+03	-1.052E+04	3.266E-01
358	2	28179.40	136.45	55.05	1	-6.085E-09	-9.127E-10	-1.665E-16	-7.973E+03	-7.642E+03	6.831E+02	-9.127E-10	-6.085E-09	1.571E+00	-7.105E+03	-8.510E+03	9.041E-01
358	2	28179.40	136.45	55.05	2	6.085E-09	9.127E-10	1.665E-16	-7.972E+03	-7.642E+03	6.831E+02	6.085E-09	9.127E-10	3.220E-08	-7.104E+03	-8.510E+03	9.041E-01
358	3	28152.24	146.95	55.05	1	1.239E-15	-3.269E-15	-6.691E-09	-4.286E+03	-3.046E+03	1.522E+03	6.691E-09	-6.691E-09	-7.854E-01	-2.022E+03	-5.310E+03	9.789E-01
358	3	28152.24	146.95	55.05	2	1.502E-15	-3.005E-15	6.691E-09	-4.286E+03	-3.046E+03	1.522E+03	6.691E-09	-6.691E-09	7.854E-01	-2.022E+03	-5.310E+03	9.789E-01
358	4	28125.07	136.45	55.05	1	6.085E-09	9.127E-10	-2.498E-16	-8.147E+02	-7.591E+03	2.141E+03	6.085E-09	9.127E-10	-4.830E-08	-1.947E+02	-8.211E+03	2.818E-01
358	4	28125.07	136.45	55.05	2	-6.085E-09	-9.127E-10	2.498E-16	-8.146E+02	-7.590E+03	2.141E+03	-9.127E-10	-6.085E-09	1.571E+00	-1.947E+02	-8.210E+03	2.818E-01
359	1	28233.74	125.95	55.05	1	-2.859E-16	-7.934E-15	6.691E-09	-4.500E+03	-9.826E+03	-2.038E+03	6.691E-09	-6.691E-09	7.854E-01	-3.809E+03	-1.052E+04	-3.266E-01
359	1	28233.74	125.95	55.05	2	-9.382E-16	-8.711E-15	-6.691E-09	-4.499E+03	-9.826E+03	-2.038E+03	6.691E-09	-6.691E-09	-7.854E-01	-3.809E+03	-1.052E+04	-3.266E-01
359	2	28260.90	136.45	55.05	1	-6.085E-09	-9.127E-10	3.192E-16	-8.147E+02	-7.591E+03	-2.141E+03	-9.127E-10	-6.085E-09	1.571E+00	-1.947E+02	-8.211E+03	-2.818E-01
359	2	28260.90	136.45	55.05	2	6.085E-09	9.127E-10	-3.192E-16	-8.146E+02	-7.590E+03	-2.141E+03	6.085E-09	9.127E-10	-6.172E-08	-1.947E+02	-8.210E+03	-2.818E-01
359	3	28233.74	146.95	55.05	1	4.097E-15	-1.243E-14	-6.691E-09	-4.286E+03	-3.046E+03	-1.522E+03	6.691E-09	-6.691E-09	-7.854E-01	-2.022E+03	-5.310E+03	2.163E+00
359	3	28233.74	146.95	55.05	2	2.960E-15	-1.357E-14	6.691E-09	-4.286E+03	-3.046E+03	-1.522E+03	6.691E-09	-6.691E-09	7.854E-01	-2.022E+03	-5.310E+03	2.163E+00
359	4	28206.57	136.45	55.05	1	6.085E-09	9.127E-10	4.441E-16	-7.973E+03	-7.642E+03	6.831E+02	6.085E-09	9.127E-10	8.587E-08	-7.105E+03	-8.510E+03	9.041E-01
359	4	28206.57	136.45	55.05	2	-6.085E-09	-9.127E-10	-4.441E-16	-7.972E+03	-7.642E+03	6.831E+02	-9.127E-10	-6.085E-09	1.571E+00	-7.104E+03	-8.510E+03	9.041E-01
360	1	28288.74	125.95	55.05	1	-2.371E-15	1.386E-14	6.691E-09	1.910E+03	-1.304E+04	-2.772E+02	6.691E-09	-6.691E-09	7.854E-01	1.915E+03	-1.305E+04	-1.853E-02
360	1	28288.74	125.95	55.05	2	-3.918E-15	5.256E-15	-6.691E-09	1.910E+03	-1.304E+04	-2.771E+02	6.691E-09	-6.691E-09	-7.854E-01	1.915E+03	-1.305E+04	-1.852E-02
360	2	28298.24	136.45	55.05	1	-1.740E-08	-2.610E-09	1.089E-15	6.590E+02	-7.110E+03	-1.731E+03	-2.610E-09	-1.740E-08	1.571E+00	1.027E+03	-7.479E+03	-2.096E-01
360	2	28298.24	136.45	55.05	2	1.740E-08	2.610E-09	-1.089E-15	6.590E+02	-7.110E+03	-1.731E+03	1.740E-08	2.610E-09	-7.366E-08	1.027E+03	-7.478E+03	-2.096E-01
360	3	28288.74	146.95	55.05	1	2.554E-14	-1.785E-15	-6.691E-09	2.242E+03	6.155E+02	-9.195E+02	6.691E-09	-6.691E-09	-7.854E-01	2.656E+03	2.013E+02	-4.233E-01
360	3	28288.74	146.95	55.05	2	2.036E-14	-6.962E-15	6.691E-09	2.242E+03	6.154E+02	-9.194E+02	6.691E-09	-6.691E-09	7.854E-01	2.656E+03	2.012E+02	-4.233E-01
360	4	28279.24	136.45	55.05	1	1.740E-08	2.610E-09	1.076E-15	3.975E+03	-5.683E+03	-1.167E+03	1.740E-08	2.610E-09	7.272E-08	4.114E+03	-5.822E+03	-1.186E-01
360	4	28279.24	136.45	55.05	2	-1.740E-08	-2.610E-09	-1.076E-15	3.975E+03	-5.683E+03	-1.167E+03	-2.610E-09	-1.740E-08	1.571E+00	4.114E+03	-5.822E+03	-1.186E-01
361	1	28097.24	157.45	55.05	1	8.990E-17	1.250E-15	6.691E-09	2.989E+03	2.553E+03	1.535E+03	6.691E-09	-6.691E-09	7.854E-01	4.321E+03	1.221E+03	7.149E-01
361	1	28097.24	157.45	55.05	2	3.675E-16	1.250E-15	-6.691E-09	2.988E+03	2.553E+03	1.535E+03	6.691E-09	-6.691E-09	-7.854E-01	4.320E+03	1.221E+03	7.149E-01
361	2	28106.74	167.95	55.05	1	-1.740E-08	-2.610E-09	-5.551E-17	4.083E+03	1.716E+03	8.664E+02	-2.610E-09	-1.740E-08	1.571E+00	4.366E+03	1.433E+03	3.160E-01
361	2	28106.74	167.95	55.05	2	1.740E-08	2.610E-09	5.551E-17	4.083E+03	1.716E+03	8.664E+02	1.740E-08	2.610E-09	3.753E-09	4.366E+03	1.433E+03	3.160E-01
361	3	28097.24	178.45	55.05	1	1.535E-15	-4.768E-16	-6.691E-09	2.045E+03	5.099E+02	1.153E+03	6.691E-09	-6.691E-09	-7.854E-01	2.663E+03	-1.079E+02	4.918E-01
361	3	28097.24	178.45	55.05	2	2.062E-15	5.054E-17	6.691E-09	2.045E+03	5.099E+02	1.153E+03	6.691E-09	-6.691E-09	7.854E-01	2.663E+03	-1.079E+02	4.918E-01
361	4	28087.74	167.95	55.05	1	1.740E-08	2.610E-09	5.551E-17	3.463E+02	1.807E+03	1.247E+03	1.740E-08	2.610E-09	3.753E-09	2.522E+03	-3.688E+02	1.050E+00
361	4	28087.74	167.95	55.05	2	-1.740E-08	-2.610E-09	-5.551E-17	3.463E+02	1.807E+03	1.247E+03	-2.610E-09	-1.740E-08	1.571E+00	2.522E+03	-3.688E+02	1.050E+00
362	1	28152.24	157.45	55.05	1	-1.321E-15	4.847E-15	6.691E-09	-3.879E+03	-7.686E+02	1.173E+03	6.691E-09	-6.691E-09	7.854E-01	-3.761E+02	-4.272E+03	1.248E+00
362	1	28152.24	157.45	55.05	2	-1.460E-15	5.291E-15	-6.691E-09	-3.879E+03	-7.686E+02	1.173E+03	6.691E-09	-6.691E-09	-7.854E-01	-3.761E+02	-4.271E+03	1.248E+00
362	2	28179.40	167.95	55.05	1	-6.085E-09	-9.127E-10	-3.053E-16	-8.513E+03	-1.248E+03	1.568E+02	-9.127E-10	-6.085E-09	1.571E+00	-1.245E+03	-8.516E+03	1.549E+00
362	2	28179.40	167.95	55.05	2	6.085E-09	9.127E-10	3.053E-16	-8.512E+03	-1.248E+03	1.569E+02	6.085E-09	9.127E-10	5.903E-08	-1.245E+03	-8.516E+03	1.549E+00
362	3	28152.24	178.45	55.05	1	4.573E-15	1.087E-15	-6.691E-09	-3.957E+03	-2.896E+02	2.746E+02	6.691E-09	-6.691E-09	-7.854E-01	-2.691E+02	-3.977E+03	1.496E+00
362	3	28152.24	178.45	55.05	2	4.850E-15	1.365E-15	6.691E-09	-3.956E+03	-2.895E+02	2.745E+02	6.691E-09	-6.691E-09	7.854E-01	-2.691E+02	-3.977E+03	1.496E+00
362	4	28125.07	167.95	55.05	1	6.085E-09	9.127E-10	-1.388E-16	6.767E+02	-1.808E+02	4.224E+02	6.085E-09	9.127E-10	-2.683E-08	8.498E+02	-3.539E+02	3.890E-01
362	4	28125.07	167.95	55.05	2	-6.085E-09	-9.127E-10	1.388E-16	6.767E+02	-1.808E+02	4.224E+02	-9.127E-10	-6.085E-09	1.571E+00	8.498E+02	-3.539E+02	3.889E-01
363	1	28233.74	157.45	55.05	1	-3.270E-15	-2.020E-14	6.691E-09	-3.879E+03	-7.686E+02	-1.173E+03	6.691E-09	-6.691E-09	7.854E-01	-3.761E+02	-4.272E+03	1.894E+00
363	1	28233.74	157.45	55.05	2	-3.367E-15	-1.931E-14	-6.691E-09	-3.879E+03	-7.686E+02	-1.173E+03	6.691E-09	-6.691E-09	-7.854E-01	-3.761E+02	-4.271E+03	1.894E+00

363	2	28260.90	167.95	55.05	1	-6.085E-09	-9.127E-10	-1.422E-15	6.767E+02	-1.808E+02	-4.224E+02	-9.127E-10	-6.085E-09	1.571E+00	8.498E+02	-3.539E+02	-3.890E-01
363	2	28260.90	167.95	55.05	2	6.084E-09	9.127E-10	1.422E-15	6.767E+02	-1.808E+02	-4.224E+02	6.084E-09	9.127E-10	2.750E-07	8.498E+02	-3.539E+02	-3.889E-01
363	3	28233.74	178.45	55.05	1	-1.200E-16	-2.918E-14	-6.691E-09	-3.957E+03	-2.896E+02	-2.746E+02	6.691E-09	-6.691E-09	-7.854E-01	-2.691E+02	-3.977E+03	1.645E+00
363	3	28233.74	178.45	55.05	2	1.386E-15	-2.768E-14	6.691E-09	-3.956E+03	-2.896E+02	-2.745E+02	6.691E-09	-6.691E-09	7.854E-01	-2.691E+02	-3.977E+03	1.645E+00
363	4	28206.57	167.95	55.05	1	6.085E-09	9.127E-10	5.343E-16	-8.513E+03	-1.248E+03	1.568E+02	6.085E-09	9.127E-10	1.033E-07	-1.245E+03	-8.516E+03	1.549E+00
363	4	28206.57	167.95	55.05	2	-6.085E-09	-9.127E-10	-5.343E-16	-8.512E+03	-1.248E+03	1.569E+02	-9.127E-10	-6.085E-09	1.571E+00	-1.245E+03	-8.516E+03	1.549E+00
364	1	28288.74	157.45	55.05	1	1.049E-14	-1.220E-14	6.691E-09	2.989E+03	2.553E+03	-1.535E+03	6.691E-09	-6.691E-09	7.854E-01	4.321E+03	1.221E+03	-7.149E-01
364	1	28288.74	157.45	55.05	2	8.367E-15	-2.285E-14	-6.691E-09	2.988E+03	2.553E+03	-1.535E+03	6.691E-09	-6.691E-09	-7.854E-01	4.320E+03	1.221E+03	-7.149E-01
364	2	28298.24	167.95	55.05	1	-1.740E-08	-2.610E-09	1.617E-15	3.463E+02	1.807E+03	-1.247E+03	-2.610E-09	-1.740E-08	1.571E+00	2.522E+03	-3.688E+02	2.091E+00
364	2	28298.24	167.95	55.05	2	1.740E-08	2.610E-09	-1.617E-15	3.463E+02	1.807E+03	-1.247E+03	1.740E-08	2.610E-09	-1.093E-07	2.522E+03	-3.688E+02	2.091E+00
364	3	28288.74	178.45	55.05	1	3.796E-14	-3.133E-14	-6.691E-09	2.045E+03	5.099E+02	-1.153E+03	6.691E-09	-6.691E-09	-7.854E-01	2.663E+03	-1.079E+02	-4.918E-01
364	3	28288.74	178.45	55.05	2	3.446E-14	-3.483E-14	6.691E-09	2.045E+03	5.099E+02	-1.153E+03	6.691E-09	-6.691E-09	7.854E-01	2.663E+03	-1.079E+02	-4.918E-01
364	4	28279.24	167.95	55.05	1	1.740E-08	2.610E-09	2.463E-15	4.083E+03	1.716E+03	-8.664E+02	1.740E-08	2.610E-09	1.666E-07	4.366E+03	1.433E+03	-3.160E-01
364	4	28279.24	167.95	55.05	2	-1.740E-08	-2.610E-09	-2.463E-15	4.083E+03	1.716E+03	-8.664E+02	-2.610E-09	-1.740E-08	1.571E+00	4.366E+03	1.433E+03	-3.160E-01
365	1	30650.74	-167.95	57.60	1	1.550E+00	-9.846E-01	5.038E-01	2.982E+03	7.744E+02	1.715E+03	1.646E+00	-1.081E+00	1.892E-01	3.917E+03	-1.611E+02	4.994E-01
365	1	30650.74	-167.95	57.60	2	-3.501E+00	1.005E+00	-1.541E+00	8.241E+02	6.863E+01	7.435E+02	1.482E+00	-3.977E+00	1.871E+00	1.280E+03	-3.876E+02	5.504E-01
365	2	30660.24	-178.45	57.60	1	-3.181E-02	2.227E+00	8.692E-01	2.581E+02	2.142E+03	1.393E+03	2.523E+00	-3.275E-01	1.243E+00	2.882E+03	-4.820E+02	1.083E+00
365	2	30660.24	-178.45	57.60	2	-2.306E-02	-3.890E+00	-1.648E+00	6.346E+02	1.540E+03	8.362E+02	5.836E-01	-4.497E+00	-3.528E-01	2.038E+03	1.364E+02	1.033E+00
365	3	30669.74	-167.95	57.60	1	-1.807E-01	-4.742E-01	1.800E+00	1.603E+03	4.795E+03	7.585E+02	1.479E+00	-2.133E+00	7.447E-01	4.966E+03	1.432E+03	1.349E+00
365	3	30669.74	-167.95	57.60	2	1.436E+00	-4.525E-01	-3.367E+00	1.302E+03	2.671E+03	8.324E+02	3.989E+00	-3.005E+00	-6.487E-01	3.064E+03	9.091E+02	1.129E+00
365	4	30660.24	-157.45	57.60	1	1.401E+00	-3.686E+00	1.435E+00	3.740E+03	4.197E+03	2.636E+03	1.777E+00	-4.063E+00	2.568E-01	6.615E+03	1.322E+03	8.286E-01
365	4	30660.24	-157.45	57.60	2	-2.042E+00	4.443E+00	-3.260E+00	1.209E+03	1.571E+03	7.495E+02	5.799E+00	-3.397E+00	1.965E+00	2.161E+03	6.190E+02	9.036E-01
366	1	30688.07	-167.95	57.60	1	1.561E+00	1.114E+01	3.765E+00	-5.563E+02	-1.851E+03	2.824E+02	1.244E+01	2.589E-01	1.238E+00	-4.974E+02	-1.910E+03	2.057E-01
366	1	30688.07	-167.95	57.60	2	-3.109E-02	-1.023E+01	-2.620E+00	-1.872E+02	2.682E+03	3.652E+02	6.027E-01	-1.087E+01	-2.373E-01	2.728E+03	-2.330E+02	1.446E+00
366	2	30715.24	-178.45	57.60	1	7.549E-02	1.040E+01	2.948E+00	-8.920E+01	-5.377E+03	4.739E+02	1.118E+01	-7.070E-01	1.311E+00	-4.707E+01	-5.419E+03	8.868E-02
366	2	30715.24	-178.45	57.60	2	-9.517E-02	-9.161E+00	-1.443E+00	-4.098E+02	-2.525E+03	-1.999E+02	1.288E-01	-9.385E+00	-1.541E-01	-3.911E+02	-2.544E+03	-9.339E-02
366	3	30742.40	-167.95	57.60	1	-2.042E+00	1.114E+01	2.130E+00	-1.269E+03	-9.079E+03	2.810E+02	1.147E+01	-2.378E+00	1.414E+00	-1.259E+03	-9.089E+03	3.592E-02
366	3	30742.40	-167.95	57.60	2	7.512E-01	-1.023E+01	-2.649E-01	-7.099E+02	-7.455E+02	-8.168E+01	7.575E-01	-1.024E+01	-2.410E-02	-7.089E+02	-7.456E+03	-1.211E-02
366	4	30715.24	-157.45	57.60	1	-5.562E-01	1.188E+01	2.947E+00	-1.242E+03	-5.553E+03	1.150E+03	1.254E+01	-1.219E+00	1.350E+00	-9.546E+02	-5.841E+03	2.451E-01
366	4	30715.24	-157.45	57.60	2	8.152E-01	-1.130E+01	-1.443E+00	-2.578E+02	-2.248E+03	6.363E+02	9.847E-01	-1.147E+01	-1.169E-01	-7.174E+01	-2.434E+03	2.845E-01
367	1	30769.57	-167.95	57.60	1	-2.043E+00	1.113E+01	-2.130E+00	-1.281E+03	-9.071E+03	2.536E+02	1.147E+01	-2.378E+00	1.727E+00	-1.273E+03	-9.080E+03	3.250E-02
367	1	30769.57	-167.95	57.60	2	7.505E-01	-1.024E+01	2.652E-01	-7.022E+02	-7.460E+03	-9.185E+01	7.569E-01	-1.024E+01	2.412E-02	-7.010E+02	-7.462E+03	-1.359E-02
367	2	30796.74	-178.45	57.60	1	8.217E-02	1.039E+01	-2.953E+00	-9.566E+01	-5.413E+03	-4.562E+02	1.117E+01	-7.043E-01	1.831E+00	-5.680E+01	-5.452E+03	-8.497E-02
367	2	30796.74	-178.45	57.60	2	-8.847E-02	-9.170E+00	1.437E+00	-4.145E+02	-2.505E+03	2.174E+02	1.336E-01	-9.393E+00	1.533E-01	-3.921E+02	-2.528E+03	1.025E-01
367	3	30823.90	-167.95	57.60	1	1.571E+00	1.114E+01	-3.776E+00	-5.756E+02	-1.931E+03	-2.603E+02	1.245E+01	2.599E-01	1.905E+00	-5.274E+02	-1.979E+03	-1.834E-01
367	3	30823.90	-167.95	57.60	2	-2.153E-02	-1.024E+01	2.609E+00	-1.930E+02	2.733E+03	-3.629E+02	6.063E-01	-1.086E+01	2.362E-01	2.777E+03	-2.373E+02	1.692E+00
367	4	30796.74	-157.45	57.60	1	-5.540E-01	1.188E+01	-2.952E+00	-1.261E+03	-5.589E+03	-1.125E+03	1.255E+01	-1.219E+00	1.792E+00	-9.865E+02	-5.863E+03	-2.397E-01
367	4	30796.74	-157.45	57.60	2	8.174E-01	-1.130E+01	1.437E+00	-2.525E+02	-2.222E+03	-6.196E+02	9.855E-01	-1.147E+01	1.164E-01	-7.376E+01	-2.401E+03	-2.808E-01
368	1	30842.24	-167.95	57.60	1	-1.721E-01	-4.846E-01	-1.781E+00	1.584E+03	4.787E+03	-7.573E+02	1.460E+00	-2.117E+00	-7.417E-01	4.957E+03	1.414E+03	1.792E+00
368	1	30842.24	-167.95	57.60	2	1.444E+00	-4.645E-01	3.386E+00	1.291E+03	2.635E+03	-8.140E+02	4.007E+00	-3.028E+00	6.480E-01	3.019E+03	9.079E+02	2.011E+00
368	2	30851.74	-178.45	57.60	1	-3.567E-02	2.208E+00	-8.588E-01	2.480E+02	2.123E+03	-1.390E+03	2.499E+00	-3.266E-01	1.897E+00	2.862E+03	-4.913E+02	2.060E+00
368	2	30851.74	-178.45	57.60	2	-2.694E-02	-3.910E+00	1.659E+00	6.393E+02	1.527E+03	-8.309E+02	5.851E-01	-4.522E+00	3.535E-01	2.025E+03	1.412E+02	2.111E+00
368	3	30861.24	-167.95	57.60	1	1.527E+00	-9.875E-01	-4.909E-01	3.000E+03	7.838E+02	-1.716E+03	1.620E+00	-1.080E+00	-1.861E-01	3.935E+03	-1.510E+02	-4.988E-01

368	3	30861.24	-167.95	57.60	2	-3.523E+00	1.004E+00	1.554E+00	8.062E+02	6.373E+01	-7.331E+02	1.486E+00	-4.005E+00	1.270E+00	1.257E+03	-3.868E+02	-5.510E-01
368	4	30851.74	-157.45	57.60	1	1.391E+00	-3.680E+00	-1.414E+00	3.749E+03	4.218E+03	-2.656E+03	1.758E+00	-4.048E+00	-2.543E-01	6.650E+03	1.317E+03	2.312E+00
368	4	30851.74	-157.45	57.60	2	-2.052E+00	4.449E+00	3.281E+00	1.180E+03	1.537E+03	-7.369E+02	5.817E+00	-3.420E+00	1.176E+00	2.117E+03	6.003E+02	2.237E+00
369	1	30660.24	-146.95	57.60	1	-4.461E+00	-3.765E+00	5.851E+00	3.741E+03	4.038E+03	-1.952E+03	1.749E+00	-9.975E+00	8.151E-01	5.847E+03	1.932E+03	2.318E+00
369	1	30660.24	-146.95	57.60	2	4.511E+00	-1.593E+00	-4.211E+00	9.382E+02	-6.829E+02	-1.938E+02	6.659E+00	-3.742E+00	-4.718E-01	9.611E+02	-7.057E+02	-1.173E-01
369	2	30669.74	-136.45	57.60	1	-1.271E+00	-6.003E+00	5.933E+00	5.713E+03	-3.443E+03	-2.482E+03	2.751E+00	-1.002E+01	5.957E-01	6.343E+03	-4.073E+03	-2.484E-01
369	2	30669.74	-136.45	57.60	2	1.858E+00	-1.378E+00	-4.972E+00	2.683E+03	-5.311E+03	2.864E+02	5.469E+00	-4.989E+00	-6.281E-01	2.693E+03	-5.322E+03	3.576E-02
369	3	30660.24	-125.95	57.60	1	9.878E-01	-5.085E+00	4.821E+00	2.006E+03	-1.328E+04	-8.258E+02	3.649E+00	-7.746E+00	5.043E-01	2.050E+03	-1.332E+04	-5.382E-02
369	3	30660.24	-125.95	57.60	2	-1.067E+00	-2.417E-01	-4.511E+00	2.127E+03	-1.066E+04	3.677E+02	3.876E+00	-5.184E+00	2.311E+00	2.137E+03	-1.067E+04	2.872E-02
369	4	30650.74	-136.45	57.60	1	-2.202E+00	-2.847E+00	4.739E+00	1.788E+02	-5.908E+03	-2.514E+03	2.225E+00	-7.275E+00	7.514E-01	1.083E+03	-6.812E+03	-3.452E-01
369	4	30650.74	-136.45	57.60	2	1.585E+00	-4.571E-01	-3.750E+00	8.800E+02	-6.414E+03	-8.715E+02	4.451E+00	-3.322E+00	-6.524E-01	9.827E+02	-6.516E+03	-1.173E-01
370	1	30715.24	-146.95	57.60	1	1.137E+01	-3.973E+00	2.123E+00	-5.883E+03	-3.154E+03	-1.285E+03	1.166E+01	-4.262E+00	1.350E-01	-2.644E+03	-6.393E+03	1.949E+00
370	1	30715.24	-146.95	57.60	2	-1.138E+01	3.275E-01	-3.525E+00	-2.501E+03	-1.408E+03	-1.269E+03	1.307E+00	-1.236E+01	1.842E+00	-5.729E+02	-3.336E+03	2.153E+00
370	2	30742.40	-136.45	57.60	1	7.924E+00	-3.926E-01	-1.667E+00	-8.682E+03	-7.059E+03	-4.686E+02	8.246E+00	-7.145E-01	-1.907E-01	-6.934E+03	-8.807E+03	1.833E+00
370	2	30742.40	-136.45	57.60	2	-7.990E+00	6.320E-01	1.982E-01	-7.274E+03	-7.345E+03	-8.409E+02	6.366E-01	-7.994E+00	1.548E+00	-6.468E+03	-8.152E+03	-7.642E-01
370	3	30715.24	-125.95	57.60	1	4.478E+00	-1.043E+00	2.122E+00	-4.957E+03	-7.503E+03	-2.079E+03	5.199E+00	-1.765E+00	3.277E-01	-3.793E+03	-8.668E+03	-5.107E-01
370	3	30715.24	-125.95	57.60	2	-4.606E+00	-2.551E+00	-3.525E+00	-3.898E+03	-1.069E+04	-1.941E+03	9.370E-02	-7.250E+00	2.214E+00	-3.383E+03	-1.121E+04	-2.596E-01
370	4	30688.07	-136.45	57.60	1	7.923E+00	-4.624E+00	5.913E+00	-2.159E+03	-5.641E+03	-3.273E+03	1.027E+01	-6.971E+00	3.779E-01	-1.932E+02	-7.607E+03	-5.410E-01
370	4	30688.07	-136.45	57.60	2	-7.992E+00	-2.855E+00	-7.248E+00	8.736E+02	-6.926E+03	-8.923E+02	2.267E+00	-1.311E+01	2.186E+00	9.744E+02	-7.027E+03	-1.125E-01
371	1	30796.74	-146.95	57.60	1	1.136E+01	-4.014E+00	-2.117E+00	-5.915E+03	-3.158E+03	1.263E+03	1.165E+01	-4.301E+00	-1.343E-01	-2.667E+03	-6.406E+03	1.200E+00
371	1	30796.74	-146.95	57.60	2	-1.138E+01	2.861E-01	3.531E+00	-2.469E+03	-1.359E+03	1.255E+03	1.271E+00	-1.237E+01	1.299E+00	-5.421E+02	-3.286E+03	9.935E-01
371	2	30823.90	-136.45	57.60	1	7.919E+00	-4.707E+00	-5.905E+00	-2.198E+03	-5.575E+03	3.283E+03	1.025E+01	-7.039E+00	-3.760E-01	-1.946E+02	-7.579E+03	5.480E-01
371	2	30823.90	-136.45	57.60	2	-7.995E+00	-2.939E+00	7.257E+00	9.229E+02	-6.892E+03	8.663E+02	2.217E+00	-1.315E+01	9.530E-01	1.018E+03	-6.987E+03	1.091E-01
371	3	30796.74	-125.95	57.60	1	4.476E+00	-1.086E+00	-2.117E+00	-4.963E+03	-7.446E+03	2.062E+03	5.190E+00	-1.800E+00	-3.253E-01	-3.798E+03	-8.611E+03	5.144E-01
371	3	30796.74	-125.95	57.60	2	-4.607E+00	-2.594E+00	3.531E+00	-3.886E+03	-1.070E+04	1.945E+03	7.167E-02	-7.273E+00	9.243E-01	-3.371E+03	-1.122E+04	2.592E-01
371	4	30769.57	-136.45	57.60	1	7.921E+00	-3.931E-01	1.671E+00	-8.681E+03	-7.064E+03	-4.484E+02	8.245E+00	-7.164E-01	1.911E-01	-6.948E+03	-8.797E+03	1.824E+00
371	4	30769.57	-136.45	57.60	2	-7.993E+00	6.315E-01	-1.945E-01	-7.280E+03	-7.338E+03	-8.342E+02	6.358E-01	-7.998E+00	1.593E+00	-6.474E+03	-8.143E+03	-7.680E-01
372	1	30851.74	-146.95	57.60	1	-4.463E+00	-3.830E+00	-5.874E+00	3.774E+03	4.128E+03	1.970E+03	1.736E+00	-1.003E+01	2.329E+00	5.929E+03	1.973E+03	8.302E-01
372	1	30851.74	-146.95	57.60	2	4.508E+00	-1.658E+00	4.188E+00	9.109E+02	-6.871E+02	1.815E+02	6.626E+00	-3.775E+00	4.681E-01	9.312E+02	-7.075E+02	1.117E-01
372	2	30861.24	-136.45	57.60	1	-2.210E+00	-2.895E+00	-4.756E+00	1.669E+02	-5.866E+03	2.522E+03	2.215E+00	-7.320E+00	-7.494E-01	1.082E+03	-6.781E+03	3.482E-01
372	2	30861.24	-136.45	57.60	2	1.580E+00	-5.049E-01	3.733E+00	8.825E+02	-6.382E+03	8.516E+02	4.413E+00	-3.338E+00	6.493E-01	9.810E+02	-6.481E+03	1.151E-01
372	3	30851.74	-125.95	57.60	1	9.872E-01	-5.150E+00	-4.832E+00	2.012E+03	-1.326E+04	8.302E+02	3.643E+00	-7.806E+00	-5.025E-01	2.057E+03	-1.331E+04	5.414E-02
372	3	30851.74	-125.95	57.60	2	-1.068E+00	-3.074E-01	4.500E+00	2.136E+03	-1.060E+04	-3.819E+02	3.829E+00	-5.204E+00	8.275E-01	2.148E+03	-1.061E+04	-2.995E-02
372	4	30842.24	-136.45	57.60	1	-1.266E+00	-6.085E+00	-5.950E+00	5.755E+03	-3.373E+03	2.500E+03	2.744E+00	-1.010E+01	-5.930E-01	6.395E+03	-4.013E+03	2.506E-01
372	4	30842.24	-136.45	57.60	2	1.861E+00	-1.461E+00	4.955E+00	2.660E+03	-5.280E+03	-3.217E+02	5.426E+00	-5.026E+00	6.237E-01	2.673E+03	-5.293E+03	-4.043E-02
373	1	30650.74	-60.35	57.60	1	-2.853E+00	7.416E-01	5.403E-01	-3.971E+04	-6.194E+02	-1.480E+03	8.211E-01	-2.933E+00	1.425E+00	-5.635E+02	-3.976E+04	1.609E+00
373	1	30650.74	-60.35	57.60	2	-3.987E-01	-6.380E-01	-5.482E-01	-4.034E+04	-4.028E+02	-4.337E+03	4.272E-02	-1.079E+00	-6.780E-01	6.270E+01	-4.080E+04	1.678E+00
373	2	30660.24	-100.58	57.60	1	-2.468E+00	1.380E+00	1.133E+00	-2.531E+04	-3.959E+03	1.919E+03	1.689E+00	-2.777E+00	1.305E+00	-3.788E+03	-2.548E+04	1.482E+00
373	2	30660.24	-100.58	57.60	2	-7.222E-01	-1.139E+00	-1.052E+00	-2.634E+04	-3.679E+03	-1.708E+03	1.417E-01	-2.003E+00	-6.876E-01	-3.551E+03	-2.647E+04	1.646E+00
373	3	30669.74	-60.35	57.60	1	-2.215E+00	4.541E-01	5.092E-01	-3.950E+04	-1.277E+03	2.300E+03	5.480E-01	-2.309E+00	1.389E+00	-1.140E+03	-3.964E+04	1.511E+00
373	3	30669.74	-60.35	57.60	2	-9.408E-01	-3.939E-01	-5.234E-01	-4.039E+04	-1.515E+03	-5.600E+02	-7.681E-02	-1.258E+00	2.115E+00	-1.507E+03	-4.040E+04	1.585E+00
373	4	30660.24	-20.12	57.60	1	-2.600E+00	-1.846E-01	-8.324E-02	-5.401E+04	9.607E+02	2.041E+03	-1.817E-01	-2.603E+00	1.605E+00	1.036E+03	-5.408E+04	1.534E+00
373	4	30660.24	-20.12	57.60	2	-6.173E-01	1.072E-01	-1.974E-02	-5.449E+04	6.412E+02	-1.003E+03	1.077E-01	-6.179E-01	1.598E+00	6.595E+02	-5.451E+04	1.589E+00

374	1	30688.07	-60.35	57.60	1	-1.967E+00	2.104E+00	6.380E-01	-4.071E+04	-5.220E+03	2.597E+03	2.202E+00	-2.065E+00	1.419E+00	-5.031E+03	-4.090E+04	1.498E+00
374	1	30688.07	-60.35	57.60	2	-1.188E+00	-2.042E+00	-2.964E-01	-4.117E+04	-2.602E+03	1.622E+02	-1.095E+00	-2.134E+00	-3.035E-01	-2.602E+03	-4.117E+04	1.567E+00
374	2	30715.24	-100.58	57.60	1	-2.185E+00	4.307E+00	9.411E-01	-1.966E+04	-1.838E+04	3.072E+03	4.440E+00	-2.319E+00	1.430E+00	-1.588E+04	-2.216E+04	8.880E-01
374	2	30715.24	-100.58	57.60	2	-4.089E-01	-4.285E+00	-2.710E-01	-2.001E+04	-1.356E+04	1.226E+03	-3.901E-01	-4.304E+00	-6.947E-02	-1.333E+04	-2.024E+04	1.389E+00
374	3	30742.40	-60.35	57.60	1	-1.708E+00	2.012E+00	1.107E+00	-3.856E+04	-2.200E+04	1.673E+03	2.316E+00	-2.013E+00	1.302E+00	-2.184E+04	-3.873E+04	1.471E+00
374	3	30742.40	-60.35	57.60	2	-2.725E-01	-2.369E+00	-7.303E-01	-3.979E+04	-2.026E+04	1.112E+03	-4.318E-02	-2.598E+00	-3.043E-01	-2.020E+04	-3.985E+04	1.514E+00
374	4	30715.24	-20.12	57.60	1	-1.490E+00	-1.904E-01	8.041E-01	-5.696E+04	-1.692E+04	2.489E+03	1.936E-01	-1.874E+00	1.125E+00	-1.677E+04	-5.711E+04	1.509E+00
374	4	30715.24	-20.12	57.60	2	-1.052E+00	-1.255E-01	-7.557E-01	-5.845E+04	-1.692E+04	1.224E+03	2.978E-01	-1.475E+00	2.081E+00	-1.689E+04	-5.848E+04	1.541E+00
375	1	30769.57	-60.35	57.60	1	-1.709E+00	2.006E+00	-1.109E+00	-3.857E+04	-2.202E+04	1.673E+03	2.312E+00	-2.015E+00	1.840E+00	-2.186E+04	-3.873E+04	1.471E+00
375	1	30769.57	-60.35	57.60	2	-2.734E-01	-2.374E+00	7.289E-01	-3.979E+04	-2.025E+04	1.122E+03	-4.530E-02	-2.603E+00	3.033E-01	-2.018E+04	-3.985E+04	1.514E+00
375	2	30796.74	-100.58	57.60	1	-2.206E+00	4.309E+00	-9.528E-01	-1.965E+04	-1.842E+04	-3.055E+03	4.445E+00	-2.342E+00	1.713E+00	-1.592E+04	-2.215E+04	2.257E+00
375	2	30796.74	-100.58	57.60	2	-4.294E-01	-4.283E+00	2.594E-01	-2.000E+04	-1.351E+04	-1.220E+03	-4.120E-01	-4.300E+00	6.691E-02	-1.329E+04	-2.022E+04	1.751E+00
375	3	30823.90	-60.35	57.60	1	-2.007E+00	2.113E+00	-6.393E-01	-4.069E+04	-5.239E+03	-2.613E+03	2.209E+00	-2.104E+00	1.721E+00	-5.048E+03	-4.088E+04	1.644E+00
375	3	30823.90	-60.35	57.60	2	-1.228E+00	-2.033E+00	2.951E-01	-4.116E+04	-2.571E+03	-1.536E+02	-1.131E+00	-2.130E+00	3.162E-01	-2.570E+03	-4.116E+04	1.575E+00
375	4	30796.74	-20.12	57.60	1	-1.511E+00	-1.898E-01	-7.951E-01	-5.695E+04	-1.692E+04	-2.492E+03	1.834E-01	-1.884E+00	2.010E+00	-1.676E+04	-5.710E+04	1.633E+00
375	4	30796.74	-20.12	57.60	2	-1.072E+00	-1.249E-01	7.646E-01	-5.845E+04	-1.692E+04	-1.222E+03	3.010E-01	-1.498E+00	1.063E+00	-1.688E+04	-5.849E+04	1.600E+00
376	1	30842.24	-60.35	57.60	1	-2.256E+00	4.540E-01	-5.054E-01	-3.948E+04	-1.277E+03	-2.314E+03	5.452E-01	-2.347E+00	1.749E+00	-1.138E+03	-3.962E+04	1.631E+00
376	1	30842.24	-60.35	57.60	2	-9.820E-01	-3.948E-01	5.273E-01	-4.039E+04	-1.516E+03	5.824E+02	-8.489E-02	-1.292E+00	1.039E+00	-1.508E+03	-4.040E+04	1.556E+00
376	2	30851.74	-100.58	57.60	1	-2.513E+00	1.383E+00	-1.137E+00	-2.527E+04	-3.967E+03	-1.945E+03	1.690E+00	-2.821E+00	1.835E+00	-3.791E+03	-2.545E+04	1.661E+00
376	2	30851.74	-100.58	57.60	2	-7.675E-01	-1.137E+00	1.048E+00	-2.633E+04	-3.671E+03	1.736E+03	1.117E-01	-2.016E+00	6.982E-01	-3.539E+03	-2.646E+04	1.495E+00
376	3	30861.24	-60.35	57.60	1	-2.903E+00	7.445E-01	-5.365E-01	-3.969E+04	-6.190E+02	1.468E+03	8.218E-01	-2.980E+00	1.714E+00	-5.639E+02	-3.974E+04	1.533E+00
376	3	30861.24	-60.35	57.60	2	-4.483E-01	-6.343E-01	5.520E-01	-4.033E+04	-3.961E+02	4.361E+03	1.847E-02	-1.101E+00	7.020E-01	7.470E+01	-4.080E+04	1.463E+00
376	4	30851.74	-20.12	57.60	1	-2.645E+00	-1.842E-01	9.517E-02	-5.400E+04	9.690E+02	-1.022E+03	-1.805E-01	-2.649E+00	1.532E+00	9.880E+02	-5.402E+04	1.589E+00
376	4	30851.74	-20.12	57.60	2	-6.628E-01	1.076E-01	3.165E-02	-5.449E+04	6.399E+02	2.063E+03	1.089E-01	-6.641E-01	1.530E+00	7.170E+02	-5.457E+04	1.533E+00
377	1	30650.74	60.35	57.60	1	-4.435E-01	-6.366E-01	5.484E-01	-4.031E+04	-4.022E+02	4.337E+03	1.673E-02	-1.097E+00	6.983E-01	6.374E+01	-4.078E+04	1.464E+00
377	1	30650.74	60.35	57.60	2	-2.809E+00	7.402E-01	-5.405E-01	-3.973E+04	-6.200E+02	1.479E+03	8.207E-01	-2.889E+00	1.719E+00	-5.642E+02	-3.979E+04	1.533E+00
377	2	30660.24	20.12	57.60	1	-6.616E-01	1.061E-01	2.132E-02	-5.447E+04	6.414E+02	2.041E+03	1.067E-01	-6.622E-01	1.543E+00	7.169E+02	-5.454E+04	1.534E+00
377	2	30660.24	20.12	57.60	2	-2.556E+00	-1.836E-01	8.166E-02	-5.403E+04	9.605E+02	-1.003E+03	-1.808E-01	-2.558E+00	1.536E+00	9.788E+02	-5.405E+04	1.589E+00
377	3	30669.74	60.35	57.60	1	-9.842E-01	-3.931E-01	5.237E-01	-4.037E+04	-1.515E+03	5.603E+02	-8.733E-02	-1.290E+00	1.042E+00	-1.507E+03	-4.038E+04	1.556E+00
377	3	30669.74	60.35	57.60	2	-2.171E+00	4.533E-01	-5.095E-01	-3.953E+04	-1.277E+03	-2.300E+03	5.487E-01	-2.267E+00	1.756E+00	-1.140E+03	-3.966E+04	1.631E+00
377	4	30660.24	100.58	57.60	1	-7.661E-01	-1.136E+00	1.051E+00	-2.632E+04	-3.678E+03	1.709E+03	1.159E-01	-2.018E+00	6.983E-01	-3.550E+03	-2.644E+04	1.496E+00
377	4	30660.24	100.58	57.60	2	-2.424E+00	1.377E+00	-1.132E+00	-2.533E+04	-3.960E+03	-1.920E+03	1.688E+00	-2.736E+00	1.839E+00	-3.789E+03	-2.550E+04	1.660E+00
378	1	30688.07	60.35	57.60	1	-1.231E+00	-2.041E+00	2.917E-01	-4.115E+04	-2.602E+03	-1.624E+02	-1.137E+00	-2.135E+00	3.123E-01	-2.601E+03	-4.115E+04	1.575E+00
378	1	30688.07	60.35	57.60	2	-1.924E+00	2.103E+00	-6.334E-01	-4.073E+04	-5.221E+03	-2.597E+03	2.201E+00	-2.021E+00	1.723E+00	-5.032E+03	-4.092E+04	1.643E+00
378	2	30715.24	20.12	57.60	1	-1.086E+00	-1.297E-01	7.552E-01	-5.842E+04	-1.692E+04	2.488E+03	2.859E-01	-1.502E+00	1.068E+00	-1.677E+04	-5.857E+04	1.511E+00
378	2	30715.24	20.12	57.60	2	-1.456E+00	-1.861E-01	-8.036E-01	-5.698E+04	-1.692E+04	1.225E+03	2.032E-01	-1.845E+00	2.022E+00	-1.688E+04	-5.702E+04	1.540E+00
378	3	30742.40	60.35	57.60	1	-2.993E-01	-2.374E+00	7.251E-01	-3.976E+04	-2.026E+04	-1.112E+03	-7.098E-02	-2.602E+00	3.051E-01	-2.020E+04	-3.983E+04	1.628E+00
378	3	30742.40	60.35	57.60	2	-1.681E+00	2.017E+00	-1.102E+00	-3.859E+04	-2.200E+04	-1.672E+03	2.320E+00	-1.985E+00	1.840E+00	-2.183E+04	-3.875E+04	1.670E+00
378	4	30715.24	100.58	57.60	1	-4.444E-01	-4.284E+00	2.617E-01	-1.999E+04	-1.356E+04	-1.226E+03	-4.266E-01	-4.302E+00	6.774E-02	-1.333E+04	-2.021E+04	1.753E+00
378	4	30715.24	100.58	57.60	2	-2.150E+00	4.306E+00	-9.319E-01	-1.968E+04	-1.838E+04	-3.072E+03	4.438E+00	-2.282E+00	1.711E+00	-1.589E+04	-2.217E+04	2.252E+00
379	1	30769.57	60.35	57.60	1	-3.002E-01	-2.379E+00	-7.237E-01	-3.976E+04	-2.025E+04	-1.122E+03	-7.310E-02	-2.606E+00	-3.041E-01	-2.019E+04	-3.983E+04	1.628E+00
379	1	30769.57	60.35	57.60	2	-1.682E+00	2.011E+00	1.103E+00	-3.859E+04	-2.202E+04	-1.672E+03	2.316E+00	-1.987E+00	1.301E+00	-2.185E+04	-3.876E+04	1.670E+00
379	2	30796.74	20.12	57.60	1	-1.106E+00	-1.292E-01	-7.641E-01	-5.843E+04	-1.692E+04	-2.492E+03	2.891E-01	-1.525E+00	2.072E+00	-1.677E+04	-5.858E+04	1.631E+00

379	2	30796.74	20.12	57.60	2	-1.476E+00	-1.855E-01	7.945E-01	-5.697E+04	-1.692E+04	-1.223E+03	1.928E-01	-1.854E+00	1.126E+00	-1.688E+04	-5.701E+04	1.601E+00
379	3	30823.90	60.35	57.60	1	-1.271E+00	-2.032E+00	-2.905E-01	-4.114E+04	-2.570E+03	1.538E+02	-1.173E+00	-2.130E+00	-3.259E-01	-2.569E+03	-4.114E+04	1.567E+00
379	3	30823.90	60.35	57.60	2	-1.964E+00	2.112E+00	6.347E-01	-4.072E+04	-5.240E+03	2.613E+03	2.208E+00	-2.060E+00	1.420E+00	-5.048E+03	-4.091E+04	1.498E+00
379	4	30796.74	100.58	57.60	1	-4.648E-01	-4.282E+00	-2.502E-01	-1.997E+04	-1.351E+04	1.220E+03	-4.484E-01	-4.299E+00	-6.515E-02	-1.329E+04	-2.019E+04	1.390E+00
379	4	30796.74	100.58	57.60	2	-2.170E+00	4.308E+00	9.436E-01	-1.968E+04	-1.842E+04	3.055E+03	4.443E+00	-2.305E+00	1.429E+00	-1.593E+04	-2.217E+04	8.864E-01
380	1	30842.24	60.35	57.60	1	-1.025E+00	-3.940E-01	-5.275E-01	-4.036E+04	-1.517E+03	-5.828E+02	-9.487E-02	-1.324E+00	2.087E+00	-1.508E+03	-4.037E+04	1.586E+00
380	1	30842.24	60.35	57.60	2	-2.212E+00	4.532E-01	5.056E-01	-3.950E+04	-1.277E+03	2.314E+03	5.459E-01	-2.305E+00	1.390E+00	-1.138E+03	-3.964E+04	1.511E+00
380	2	30851.74	20.12	57.60	1	-7.069E-01	1.065E-01	-3.318E-02	-5.446E+04	6.402E+02	-1.022E+03	1.079E-01	-7.083E-01	1.611E+00	6.591E+02	-5.448E+04	1.589E+00
380	2	30851.74	20.12	57.60	2	-2.601E+00	-1.832E-01	-9.364E-02	-5.402E+04	9.687E+02	2.063E+03	-1.795E-01	-2.605E+00	1.609E+00	1.046E+03	-5.410E+04	1.533E+00
380	3	30861.24	60.35	57.60	1	-4.929E-01	-6.329E-01	-5.522E-01	-4.030E+04	-3.954E+02	-4.362E+03	-6.325E-03	-1.119E+00	-7.224E-01	7.581E+01	-4.077E+04	1.678E+00
380	3	30861.24	60.35	57.60	2	-2.858E+00	7.431E-01	5.367E-01	-3.971E+04	-6.196E+02	-1.467E+03	8.214E-01	-2.937E+00	1.426E+00	-5.647E+02	-3.977E+04	1.608E+00
380	4	30851.74	100.58	57.60	1	-8.113E-01	-1.133E+00	-1.047E+00	-2.631E+04	-3.670E+03	-1.737E+03	8.651E-02	-2.031E+00	-7.090E-01	-3.537E+03	-2.644E+04	1.647E+00
380	4	30851.74	100.58	57.60	2	-2.470E+00	1.379E+00	1.136E+00	-2.530E+04	-3.968E+03	1.946E+03	1.690E+00	-2.780E+00	1.304E+00	-3.792E+03	-2.547E+04	1.481E+00
381	1	30660.24	125.95	57.60	1	-1.068E+00	-3.149E-01	4.507E+00	2.131E+03	-1.063E+04	-3.691E+02	3.831E+00	-5.214E+00	8.271E-01	2.142E+03	-1.064E+04	-2.888E-02
381	1	30660.24	125.95	57.60	2	9.889E-01	-5.012E+00	-4.816E+00	2.002E+03	-1.331E+04	8.271E+02	3.663E+00	-7.686E+00	-5.068E-01	2.046E+03	-1.335E+04	5.382E-02
381	2	30669.74	136.45	57.60	1	1.866E+00	-1.479E+00	4.959E+00	2.689E+03	-5.275E+03	-2.883E+02	5.427E+00	-5.040E+00	6.228E-01	2.700E+03	-5.286E+03	-3.614E-02
381	2	30669.74	136.45	57.60	2	-1.279E+00	-5.902E+00	-5.920E+00	5.707E+03	-3.479E+03	2.484E+03	2.765E+00	-9.945E+00	-5.993E-01	6.336E+03	-4.108E+03	2.479E-01
381	3	30660.24	146.95	57.60	1	4.511E+00	-1.666E+00	4.188E+00	9.408E+02	-6.538E+02	1.979E+02	6.627E+00	-3.782E+00	4.677E-01	9.650E+02	-6.780E+02	1.217E-01
381	3	30660.24	146.95	57.60	2	-4.462E+00	-3.691E+00	-5.829E+00	3.738E+03	4.009E+03	1.948E+03	1.765E+00	-9.918E+00	2.323E+00	5.826E+03	1.921E+03	8.201E-01
381	4	30650.74	136.45	57.60	1	1.577E+00	-5.026E-01	3.736E+00	8.765E+02	-6.388E+03	8.703E+02	4.415E+00	-3.341E+00	6.497E-01	9.793E+02	-6.490E+03	1.176E-01
381	4	30650.74	136.45	57.60	2	-2.194E+00	-2.802E+00	-4.725E+00	1.824E+02	-5.934E+03	2.515E+03	2.237E+00	-7.233E+00	-7.533E-01	1.084E+03	-6.835E+03	3.441E-01
382	1	30715.24	125.95	57.60	1	-4.608E+00	-2.600E+00	3.544E+00	-3.896E+03	-1.067E+04	1.940E+03	7.993E-02	-7.288E+00	9.234E-01	-3.380E+03	-1.119E+04	2.601E-01
382	1	30715.24	125.95	57.60	2	4.480E+00	-9.939E-01	-2.141E+00	-4.959E+03	-7.523E+03	2.080E+03	5.218E+00	-1.732E+00	-3.320E-01	-3.798E+03	-8.684E+03	5.092E-01
382	2	30742.40	136.45	57.60	1	-7.991E+00	6.352E-01	-1.783E-01	-7.274E+03	-7.333E+03	8.401E+02	6.389E-01	-7.994E+00	1.591E+00	-6.463E+03	-8.144E+03	7.678E-01
382	2	30742.40	136.45	57.60	2	7.925E+00	-3.959E-01	1.647E+00	-8.682E+03	-7.071E+03	4.694E+02	8.240E+00	-7.102E-01	1.885E-01	-6.944E+03	-8.808E+03	1.307E+00
382	3	30715.24	146.95	57.60	1	-1.138E+01	2.775E-01	3.544E+00	-2.498E+03	-1.387E+03	1.262E+03	1.271E+00	-1.237E+01	1.298E+00	-5.637E+02	-3.322E+03	9.927E-01
382	3	30715.24	146.95	57.60	2	1.137E+01	-3.923E+00	-2.142E+00	-5.885E+03	-3.175E+03	1.292E+03	1.166E+01	-4.218E+00	-1.366E-01	-2.657E+03	-6.403E+03	1.190E+00
382	4	30688.07	136.45	57.60	1	-7.993E+00	-2.958E+00	7.267E+00	8.783E+02	-6.890E+03	8.906E+02	2.215E+00	-1.317E+01	9.522E-01	9.791E+02	-6.991E+03	1.127E-01
382	4	30688.07	136.45	57.60	2	7.924E+00	-4.521E+00	-5.931E+00	-2.164E+03	-5.677E+03	3.275E+03	1.030E+01	-6.895E+00	-3.807E-01	-2.046E+02	-7.636E+03	5.392E-01
383	1	30796.74	125.95	57.60	1	-4.609E+00	-2.643E+00	-3.551E+00	-3.884E+03	-1.068E+04	-1.944E+03	5.816E-02	-7.310E+00	2.221E+00	-3.368E+03	-1.120E+04	-2.597E-01
383	1	30796.74	125.95	57.60	2	4.478E+00	-1.037E+00	2.136E+00	-4.965E+03	-7.466E+03	-2.063E+03	5.209E+00	-1.767E+00	3.295E-01	-3.803E+03	-8.628E+03	-5.129E-01
383	2	30823.90	136.45	57.60	1	-7.996E+00	-3.041E+00	-7.275E+00	9.277E+02	-6.855E+03	-8.645E+02	2.166E+00	-1.320E+01	2.192E+00	1.023E+03	-6.950E+03	-1.093E-01
383	2	30823.90	136.45	57.60	2	7.920E+00	-4.605E+00	5.923E+00	-2.203E+03	-5.611E+03	-3.285E+03	1.028E+01	-6.963E+00	3.788E-01	-2.064E+02	-7.608E+03	-5.462E-01
383	3	30796.74	146.95	57.60	1	-1.138E+01	2.363E-01	-3.550E+00	-2.466E+03	-1.338E+03	-1.256E+03	1.235E+00	-1.238E+01	1.845E+00	-5.256E+02	-3.279E+03	2.145E+00
383	3	30796.74	146.95	57.60	2	1.136E+01	-3.965E+00	2.136E+00	-5.918E+03	-3.179E+03	-1.262E+03	1.166E+01	-4.257E+00	1.359E-01	-2.686E+03	-6.411E+03	1.943E+00
383	4	30769.57	136.45	57.60	1	-7.994E+00	6.347E-01	1.746E-01	-7.280E+03	-7.325E+03	8.332E+02	6.382E-01	-7.998E+00	1.551E+00	-6.469E+03	-8.136E+03	7.716E-01
383	4	30769.57	136.45	57.60	2	7.922E+00	-3.963E-01	-1.651E+00	-8.681E+03	-7.076E+03	4.494E+02	8.238E+00	-7.121E-01	-1.889E-01	-6.959E+03	-8.798E+03	1.315E+00
384	1	30851.74	125.95	57.60	1	-1.069E+00	-3.802E-01	-4.496E+00	2.141E+03	-1.057E+04	3.833E+02	3.785E+00	-5.234E+00	2.318E+00	2.152E+03	-1.058E+04	3.012E-02
384	1	30851.74	125.95	57.60	2	9.883E-01	-5.077E+00	4.828E+00	2.007E+03	-1.329E+04	-8.316E+02	3.657E+00	-7.746E+00	5.049E-01	2.052E+03	-1.334E+04	-5.414E-02
384	2	30861.24	136.45	57.60	1	1.571E+00	-5.502E-01	-3.719E+00	8.789E+02	-6.355E+03	-8.504E+02	4.378E+00	-3.357E+00	-6.465E-01	9.775E+02	-6.454E+03	-1.155E-01
384	2	30861.24	136.45	57.60	2	-2.201E+00	-2.850E+00	4.742E+00	1.705E+02	-5.892E+03	-2.523E+03	2.227E+00	-7.279E+00	7.513E-01	1.083E+03	-6.805E+03	-3.470E-01
384	3	30851.74	146.95	57.60	1	4.509E+00	-1.731E+00	-4.165E+00	9.135E+02	-6.575E+02	-1.857E+02	6.593E+00	-3.816E+00	-4.639E-01	9.352E+02	-6.792E+02	-1.161E-01
384	3	30851.74	146.95	57.60	2	-4.464E+00	-3.757E+00	5.851E+00	3.772E+03	4.098E+03	-1.966E+03	1.752E+00	-9.972E+00	8.156E-01	5.907E+03	1.962E+03	2.315E+00

384	4	30842.24	136.45	57.60	1	1.869E+00	-1.562E+00	-4.942E+00	2.667E+03	-5.244E+03	3.238E+02	5.385E+00	-5.077E+00	-6.184E-01	2.680E+03	-5.257E+03	4.085E-02
384	4	30842.24	136.45	57.60	2	-1.274E+00	-5.984E+00	5.937E+00	5.749E+03	-3.409E+03	-2.503E+03	2.758E+00	-1.002E+01	5.966E-01	6.388E+03	-4.048E+03	-2.501E-01
385	1	30660.24	157.45	57.60	1	4.454E+00	-2.051E+00	-3.285E+00	1.568E+03	1.207E+03	7.537E+02	5.824E+00	-3.421E+00	-3.952E-01	2.162E+03	6.124E+02	6.681E-01
385	1	30660.24	157.45	57.60	2	-3.697E+00	1.410E+00	1.460E+00	4.200E+03	3.742E+03	2.632E+03	1.797E+00	-4.084E+00	1.311E+00	6.613E+03	1.329E+03	7.420E-01
385	2	30669.74	167.95	57.60	1	-4.652E-01	1.453E+00	-3.389E+00	2.661E+03	1.295E+03	8.345E+02	4.016E+00	-3.028E+00	2.218E+00	3.057E+03	8.998E+02	4.424E-01
385	2	30669.74	167.95	57.60	2	-4.614E-01	-1.978E-01	1.821E+00	4.804E+03	1.611E+03	7.565E+02	1.497E+00	-2.156E+00	8.215E-01	4.974E+03	1.440E+03	2.212E-01
385	3	30660.24	178.45	57.60	1	-3.913E+00	-2.386E-02	-1.658E+00	1.534E+03	6.329E+02	8.351E+02	5.871E-01	-4.524E+00	1.924E+00	2.032E+03	1.346E+02	5.380E-01
385	3	30660.24	178.45	57.60	2	2.250E+00	-3.101E-02	8.799E-01	2.148E+03	2.598E+02	1.395E+03	2.550E+00	-3.310E-01	3.285E-01	2.888E+03	-4.802E+02	4.879E-01
385	4	30650.74	167.95	57.60	1	1.006E+00	-3.528E+00	-1.555E+00	7.068E+01	8.266E+02	7.429E+02	1.488E+00	-4.010E+00	-3.006E-01	1.282E+03	-3.849E+02	1.021E+00
385	4	30650.74	167.95	57.60	2	-9.849E-01	1.576E+00	5.181E-01	7.724E+02	2.979E+03	1.715E+03	1.677E+00	-1.086E+00	1.379E+00	3.915E+03	-1.637E+02	1.071E+00
386	1	30715.24	157.45	57.60	1	-1.129E+01	8.188E-01	-1.422E+00	-2.248E+03	-2.573E+02	6.286E+02	9.835E-01	-1.146E+01	1.686E+00	-7.549E+01	-2.430E+03	1.289E+00
386	1	30715.24	157.45	57.60	2	1.187E+01	-5.598E-01	2.927E+00	-5.552E+03	-1.243E+03	1.158E+03	1.253E+01	-1.214E+00	2.200E-01	-9.514E+02	-5.844E+03	1.324E+00
386	2	30742.40	167.95	57.60	1	-1.022E+01	7.337E-01	-2.397E-01	-7.449E+03	-7.029E+02	-8.336E+01	7.389E-01	-1.022E+01	1.593E+00	-7.018E+02	-7.450E+03	1.583E+00
386	2	30742.40	167.95	57.60	2	1.113E+01	-2.025E+00	2.105E+00	-9.086E+03	-1.276E+03	2.827E+02	1.145E+01	-2.353E+00	1.549E-01	-1.266E+03	-9.096E+03	1.535E+00
386	3	30715.24	178.45	57.60	1	-9.145E+00	-9.533E-02	-1.422E+00	-2.525E+03	-4.087E+02	-2.037E+02	1.229E-01	-9.363E+00	1.723E+00	-3.893E+02	-2.545E+03	1.666E+00
386	3	30715.24	178.45	57.60	2	1.038E+01	7.566E-02	2.927E+00	-5.377E+03	-9.025E+01	4.777E+02	1.115E+01	-6.978E-01	2.583E-01	-4.743E+01	-5.420E+03	1.481E+00
386	4	30688.07	167.95	57.60	1	-1.022E+01	-1.022E-02	-2.605E+00	2.675E+03	-1.925E+02	3.624E+02	6.159E-01	-1.085E+01	1.807E+00	2.720E+03	-2.376E+02	1.238E-01
386	4	30688.07	167.95	57.60	2	1.113E+01	1.541E+00	3.749E+00	-1.844E+03	-5.511E+02	2.852E+02	1.242E+01	2.487E-01	3.319E-01	-4.909E+02	-1.904E+03	1.363E+00
387	1	30796.74	157.45	57.60	1	-1.129E+01	8.210E-01	1.417E+00	-2.223E+03	-2.521E+02	-6.116E+02	9.844E-01	-1.146E+01	1.456E+00	-7.769E+01	-2.397E+03	1.849E+00
387	1	30796.74	157.45	57.60	2	1.188E+01	-5.576E-01	-2.932E+00	-5.588E+03	-1.262E+03	-1.133E+03	1.253E+01	-1.214E+00	-2.204E-01	-9.831E+02	-5.867E+03	1.812E+00
387	2	30823.90	167.95	57.60	1	-1.022E+01	-7.032E-04	2.593E+00	2.725E+03	-1.984E+02	-3.599E+02	6.196E-01	-1.084E+01	1.336E+00	2.769E+03	-2.421E+02	-1.207E-01
387	2	30823.90	167.95	57.60	2	1.112E+01	1.550E+00	-3.760E+00	-1.923E+03	-5.702E+02	-2.632E+02	1.242E+01	2.497E-01	-3.329E-01	-5.208E+02	-1.973E+03	1.756E+00
387	3	30796.74	178.45	57.60	1	-9.154E+00	-8.866E-02	1.417E+00	-2.505E+03	-4.135E+02	2.215E+02	1.277E-01	-9.370E+00	1.419E+00	-3.903E+02	-2.528E+03	1.466E+00
387	3	30796.74	178.45	57.60	2	1.037E+01	8.236E-02	-2.933E+00	-5.413E+03	-9.664E+01	-4.603E+02	1.115E+01	-6.950E-01	-2.591E-01	-5.708E+01	-5.453E+03	1.657E+00
387	4	30769.57	167.95	57.60	1	-1.022E+01	7.330E-01	2.400E-01	-7.453E+03	-6.952E+02	-9.378E+01	7.383E-01	-1.023E+01	1.549E+00	-6.939E+02	-7.455E+03	1.585E+00
387	4	30769.57	167.95	57.60	2	1.112E+01	-2.025E+00	-2.105E+00	-9.078E+03	-1.288E+03	2.555E+02	1.145E+01	-2.354E+00	-1.549E-01	-1.280E+03	-9.087E+03	1.538E+00
388	1	30851.74	157.45	57.60	1	4.460E+00	-2.061E+00	3.306E+00	1.534E+03	1.178E+03	-7.412E+02	5.842E+00	-3.443E+00	3.962E-01	2.118E+03	5.935E+02	-6.675E-01
388	1	30851.74	157.45	57.60	2	-3.691E+00	1.400E+00	-1.439E+00	4.221E+03	3.751E+03	-2.652E+03	1.778E+00	-4.069E+00	1.828E+00	6.648E+03	1.324E+03	-7.412E-01
388	2	30861.24	167.95	57.60	1	1.004E+00	-3.550E+00	1.568E+00	6.580E+01	8.087E+02	-7.325E+02	1.492E+00	-4.037E+00	3.015E-01	1.259E+03	-3.841E+02	2.122E+00
388	2	30861.24	167.95	57.60	2	-9.878E-01	1.554E+00	-5.051E-01	7.818E+02	2.997E+03	-1.717E+03	1.651E+00	-1.084E+00	1.760E+00	3.933E+03	-1.537E+02	2.070E+00
388	3	30851.74	178.45	57.60	1	-3.932E+00	-2.772E-02	1.669E+00	1.521E+03	6.375E+02	-8.297E+02	5.886E-01	-4.549E+00	1.217E+00	2.019E+03	1.393E+02	-5.407E-01
388	3	30851.74	178.45	57.60	2	2.231E+00	-3.488E-02	-8.695E-01	2.129E+03	2.498E+02	-1.391E+03	2.526E+00	-3.301E-01	-3.273E-01	2.868E+03	-4.895E+02	-4.884E-01
388	4	30842.24	167.95	57.60	1	-4.772E-01	1.461E+00	3.407E+00	2.625E+03	1.284E+03	-8.162E+02	4.034E+00	-3.050E+00	9.240E-01	3.011E+03	8.983E+02	-4.415E-01
388	4	30842.24	167.95	57.60	2	-4.719E-01	-1.892E-01	-1.803E+00	4.797E+03	1.592E+03	-7.551E+02	1.478E+00	-2.139E+00	2.317E+00	4.966E+03	1.423E+03	-2.201E-01
389	1	33213.73	-167.95	60.15	1	-2.820E-09	-1.880E-08	1.519E-16	1.807E+03	3.463E+02	1.247E+03	-2.820E-09	-1.880E-08	9.501E-09	2.522E+03	-3.688E+02	5.205E-01
389	1	33213.73	-167.95	60.15	2	2.820E-09	1.880E-08	-7.019E-17	1.807E+03	3.463E+02	1.247E+03	1.880E-08	2.820E-09	1.571E+00	2.522E+03	-3.688E+02	5.205E-01
389	2	33223.23	-178.45	60.15	1	-3.296E-15	3.543E-15	7.230E-09	5.099E+02	2.045E+03	1.153E+03	7.230E-09	-7.230E-09	7.854E-01	2.663E+03	-1.079E+02	1.079E+00
389	2	33223.23	-178.45	60.15	2	-3.434E-15	3.405E-15	-7.230E-09	5.099E+02	2.045E+03	1.153E+03	7.230E-09	-7.230E-09	-7.854E-01	2.663E+03	-1.079E+02	1.079E+00
389	3	33232.73	-167.95	60.15	1	2.820E-09	1.880E-08	3.331E-16	1.716E+03	4.083E+03	8.664E+02	1.880E-08	2.820E-09	1.571E+00	4.366E+03	1.433E+03	1.255E+00
389	3	33232.73	-167.95	60.15	2	-2.820E-09	-1.880E-08	-3.331E-16	1.716E+03	4.083E+03	8.664E+02	-2.820E-09	-1.880E-08	-2.084E-08	4.367E+03	1.433E+03	1.255E+00
389	4	33223.23	-157.45	60.15	1	-3.291E-15	3.327E-15	-7.230E-09	2.553E+03	2.988E+03	1.535E+03	7.230E-09	-7.230E-09	-7.854E-01	4.320E+03	1.221E+03	8.559E-01
389	4	33223.23	-157.45	60.15	2	-3.319E-15	3.299E-15	7.230E-09	2.553E+03	2.989E+03	1.535E+03	7.230E-09	-7.230E-09	7.854E-01	4.321E+03	1.221E+03	8.559E-01
390	1	33251.07	-167.95	60.15	1	-9.863E-10	-6.575E-09	4.021E-17	-1.808E+02	6.767E+02	4.224E+02	-9.863E-10	-6.575E-09	7.195E-09	8.498E+02	-3.539E+02	1.182E+00

390	1	33251.07	-167.95	60.15	2	9.863E-10	6.575E-09	-7.081E-17	-1.808E+02	6.767E+02	4.224E+02	6.575E-09	9.863E-10	1.571E+00	8.498E+02	-3.539E+02	1.182E+00
390	2	33278.23	-178.45	60.15	1	-3.415E-15	3.604E-15	7.230E-09	-2.896E+02	-3.956E+03	2.745E+02	7.230E-09	-7.230E-09	7.854E-01	-2.691E+02	-3.977E+03	7.432E-02
390	2	33278.23	-178.45	60.15	2	-3.360E-15	3.659E-15	-7.230E-09	-2.896E+02	-3.957E+03	2.746E+02	7.230E-09	-7.230E-09	-7.854E-01	-2.691E+02	-3.977E+03	7.433E-02
390	3	33305.40	-167.95	60.15	1	9.863E-10	6.575E-09	1.110E-16	-1.248E+03	-8.512E+03	-1.569E+02	6.575E-09	9.863E-10	1.571E+00	-1.245E+03	-8.516E+03	-2.158E-02
390	3	33305.40	-167.95	60.15	2	-9.863E-10	-6.575E-09	-1.110E-16	-1.248E+03	-8.513E+03	-1.568E+02	-9.863E-10	-6.575E-09	-1.986E-08	-1.245E+03	-8.516E+03	-2.158E-02
390	4	33278.23	-157.45	60.15	1	-2.944E-15	3.533E-15	-7.230E-09	-7.686E+02	-3.879E+03	1.173E+03	7.230E-09	-7.230E-09	-7.854E-01	-3.761E+02	-4.271E+03	3.230E-01
390	4	33278.23	-157.45	60.15	2	-3.443E-15	3.033E-15	7.230E-09	-7.686E+02	-3.879E+03	1.173E+03	7.230E-09	-7.230E-09	7.854E-01	-3.761E+02	-4.272E+03	3.230E-01
391	1	33332.57	-167.95	60.15	1	-9.863E-10	-6.575E-09	-3.422E-16	-1.248E+03	-8.512E+03	-1.569E+02	-9.863E-10	-6.575E-09	-6.122E-08	-1.245E+03	-8.516E+03	-2.158E-02
391	1	33332.57	-167.95	60.15	2	9.863E-10	6.575E-09	7.418E-17	-1.248E+03	-8.513E+03	-1.568E+02	6.575E-09	9.863E-10	1.571E+00	-1.245E+03	-8.516E+03	-2.158E-02
391	2	33359.73	-178.45	60.15	1	-2.907E-15	3.650E-15	7.230E-09	-2.895E+02	-3.956E+03	-2.746E+02	7.230E-09	-7.230E-09	7.854E-01	-2.691E+02	-3.977E+03	-7.433E-02
391	2	33359.73	-178.45	60.15	2	-3.191E-15	3.365E-15	-7.230E-09	-2.896E+02	-3.957E+03	-2.745E+02	7.230E-09	-7.230E-09	-7.854E-01	-2.691E+02	-3.977E+03	-7.432E-02
391	3	33386.90	-167.95	60.15	1	9.863E-10	6.575E-09	6.939E-17	-1.808E+02	6.767E+02	-4.224E+02	6.575E-09	9.863E-10	1.571E+00	8.498E+02	-3.539E+02	1.960E+00
391	3	33386.90	-167.95	60.15	2	-9.863E-10	-6.575E-09	-6.939E-17	-1.808E+02	6.766E+02	-4.224E+02	-9.863E-10	-6.575E-09	-1.242E-08	8.498E+02	-3.539E+02	1.960E+00
391	4	33359.73	-157.45	60.15	1	-3.164E-15	3.799E-15	-7.230E-09	-7.686E+02	-3.879E+03	-1.173E+03	7.230E-09	-7.230E-09	-7.854E-01	-3.761E+02	-4.271E+03	-3.230E-01
391	4	33359.73	-157.45	60.15	2	-3.372E-15	3.591E-15	7.230E-09	-7.686E+02	-3.879E+03	-1.173E+03	7.230E-09	-7.230E-09	7.854E-01	-3.761E+02	-4.272E+03	-3.230E-01
392	1	33405.23	-167.95	60.15	1	-2.820E-09	-1.880E-08	-9.695E-18	1.716E+03	4.083E+03	-8.664E+02	-2.820E-09	-1.880E-08	-6.066E-10	4.366E+03	1.433E+03	1.887E+00
392	1	33405.23	-167.95	60.15	2	2.820E-09	1.880E-08	-2.456E-16	1.716E+03	4.083E+03	-8.664E+02	1.880E-08	2.820E-09	1.571E+00	4.366E+03	1.433E+03	1.887E+00
392	2	33414.73	-178.45	60.15	1	-3.155E-15	3.383E-15	7.230E-09	5.099E+02	2.045E+03	-1.153E+03	7.230E-09	-7.230E-09	7.854E-01	2.663E+03	-1.079E+02	2.063E+00
392	2	33414.73	-178.45	60.15	2	-3.190E-15	3.348E-15	-7.230E-09	5.099E+02	2.045E+03	-1.153E+03	7.230E-09	-7.230E-09	-7.854E-01	2.663E+03	-1.079E+02	2.063E+00
392	3	33424.23	-167.95	60.15	1	2.820E-09	1.880E-08	3.261E-16	1.807E+03	3.463E+02	-1.247E+03	1.880E-08	2.820E-09	1.571E+00	2.522E+03	-3.688E+02	-5.205E-01
392	3	33424.23	-167.95	60.15	2	-2.820E-09	-1.880E-08	-3.261E-16	1.807E+03	3.463E+02	-1.247E+03	-2.820E-09	-1.880E-08	-2.040E-08	2.522E+03	-3.688E+02	-5.205E-01
392	4	33414.73	-157.45	60.15	1	-3.440E-15	3.656E-15	-7.230E-09	2.553E+03	2.988E+03	-1.535E+03	7.230E-09	-7.230E-09	-7.854E-01	4.321E+03	1.221E+03	2.286E+00
392	4	33414.73	-157.45	60.15	2	-3.383E-15	3.714E-15	7.230E-09	2.553E+03	2.989E+03	-1.535E+03	7.230E-09	-7.230E-09	7.854E-01	4.321E+03	1.221E+03	2.286E+00
393	1	33223.23	-146.95	60.15	1	-4.152E-17	1.636E-16	-7.230E-09	2.242E+03	6.154E+02	-9.194E+02	7.230E-09	-7.230E-09	-7.854E-01	2.656E+03	2.012E+02	-4.233E-01
393	1	33223.23	-146.95	60.15	2	-4.152E-17	1.636E-16	7.230E-09	2.242E+03	6.155E+02	-9.195E+02	7.230E-09	-7.230E-09	7.854E-01	2.656E+03	2.013E+02	-4.233E-01
393	2	33232.73	-136.45	60.15	1	1.880E-08	2.820E-09	-5.551E-16	3.975E+03	-5.683E+03	-1.167E+03	1.880E-08	2.820E-09	-3.473E-08	4.114E+03	-5.822E+03	-1.186E-01
393	2	33232.73	-136.45	60.15	2	-1.880E-08	-2.820E-09	5.551E-16	3.975E+03	-5.683E+03	-1.167E+03	-2.820E-09	-1.880E-08	1.571E+00	4.114E+03	-5.822E+03	-1.186E-01
393	3	33223.23	-125.95	60.15	1	3.335E-15	-3.479E-15	7.230E-09	1.910E+03	-1.304E+04	-2.771E+02	7.230E-09	-7.230E-09	7.854E-01	1.915E+03	-1.305E+04	-1.852E-02
393	3	33223.23	-125.95	60.15	2	-3.640E-15	-3.174E-15	-7.230E-09	1.910E+03	-1.304E+04	-2.772E+02	7.230E-09	-7.230E-09	-7.854E-01	1.915E+03	-1.305E+04	-1.853E-02
393	4	33213.73	-136.45	60.15	1	-1.880E-08	-2.820E-09	-3.331E-16	6.590E+02	-7.110E+03	-1.731E+03	-2.820E-09	-1.880E-08	1.571E+00	1.027E+03	-7.478E+03	-2.096E-01
393	4	33213.73	-136.45	60.15	2	1.880E-08	2.820E-09	3.331E-16	6.590E+02	-7.110E+03	-1.731E+03	1.880E-08	2.820E-09	2.084E-08	1.027E+03	-7.479E+03	-2.096E-01
394	1	33278.23	-146.95	60.15	1	1.642E-16	-1.272E-16	-7.230E-09	-4.286E+03	-3.046E+03	-1.522E+03	7.230E-09	-7.230E-09	-7.854E-01	-2.022E+03	-5.310E+03	2.163E+00
394	1	33278.23	-146.95	60.15	2	-1.133E-16	-1.272E-16	7.230E-09	-4.286E+03	-3.046E+03	-1.522E+03	7.230E-09	-7.230E-09	7.854E-01	-2.022E+03	-5.310E+03	2.163E+00
394	2	33305.40	-136.45	60.15	1	6.575E-09	9.863E-10	-2.776E-17	-7.972E+03	-7.642E+03	6.831E+02	6.575E-09	9.863E-10	-4.966E-09	-7.104E+03	-8.510E+03	9.041E-01
394	2	33305.40	-136.45	60.15	2	-6.575E-09	-9.863E-10	2.776E-17	-7.973E+03	-7.642E+03	6.831E+02	-9.863E-10	-6.575E-09	1.571E+00	-7.105E+03	-8.510E+03	9.041E-01
394	3	33278.23	-125.95	60.15	1	3.277E-15	-2.987E-15	7.230E-09	-4.499E+03	-9.826E+03	-2.038E+03	7.230E-09	-7.230E-09	7.854E-01	-3.809E+03	-1.052E+04	-3.266E-01
394	3	33278.23	-125.95	60.15	2	-2.583E-15	-3.681E-15	-7.230E-09	-4.500E+03	-9.826E+03	-2.038E+03	7.230E-09	-7.230E-09	-7.854E-01	-3.809E+03	-1.052E+04	-3.266E-01
394	4	33251.07	-136.45	60.15	1	-6.575E-09	-9.863E-10	-2.776E-17	-8.146E+02	-7.590E+03	-2.141E+03	-9.863E-10	-6.575E-09	1.571E+00	-1.947E+02	-8.210E+03	-2.818E-01
394	4	33251.07	-136.45	60.15	2	6.575E-09	9.863E-10	2.776E-17	-8.147E+02	-7.591E+03	-2.141E+03	6.575E-09	9.863E-10	4.966E-09	-1.947E+02	-8.211E+03	-2.818E-01
395	1	33359.73	-146.95	60.15	1	4.505E-16	-6.274E-18	-7.230E-09	-4.286E+03	-3.046E+03	1.522E+03	7.230E-09	-7.230E-09	-7.854E-01	-2.022E+03	-5.310E+03	9.789E-01
395	1	33359.73	-146.95	60.15	2	-3.811E-16	-3.393E-16	7.230E-09	-4.286E+03	-3.046E+03	1.522E+03	7.230E-09	-7.230E-09	7.854E-01	-2.022E+03	-5.310E+03	9.789E-01
395	2	33386.90	-136.45	60.15	1	6.575E-09	9.863E-10	6.939E-17	-8.146E+02	-7.590E+03	2.141E+03	6.575E-09	9.863E-10	1.242E-08	-1.947E+02	-8.210E+03	2.818E-01
395	2	33386.90	-136.45	60.15	2	-6.575E-09	-9.863E-10	-6.939E-17	-8.147E+02	-7.591E+03	2.141E+03	-9.863E-10	-6.575E-09	1.571E+00	-1.948E+02	-8.211E+03	2.818E-01



395	3	33359.73	-125.95	60.15	1	3.770E-15	-3.059E-15	7.230E-09	-4.499E+03	-9.826E+03	2.038E+03	7.230E-09	-7.230E-09	7.854E-01	-3.809E+03	-1.052E+04	3.266E-01
395	3	33359.73	-125.95	60.15	2	3.416E-15	-3.413E-15	-7.230E-09	-4.500E+03	-9.826E+03	2.038E+03	7.230E-09	-7.230E-09	-7.854E-01	-3.809E+03	-1.052E+04	3.266E-01
395	4	33332.57	-136.45	60.15	1	-6.575E-09	-9.863E-10	6.939E-17	-7.972E+03	-7.642E+03	6.831E+02	-9.863E-10	-6.575E-09	1.571E+00	-7.104E+03	-8.510E+03	9.041E-01
395	4	33332.57	-136.45	60.15	2	6.575E-09	9.863E-10	-6.939E-17	-7.973E+03	-7.642E+03	6.831E+02	6.575E-09	9.863E-10	-1.242E-08	-7.105E+03	-8.510E+03	9.041E-01
396	1	33414.73	-146.95	60.15	1	2.144E-16	4.133E-16	-7.230E-09	2.242E+03	6.154E+02	9.194E+02	7.230E-09	-7.230E-09	-7.854E-01	2.656E+03	2.012E+02	4.233E-01
396	1	33414.73	-146.95	60.15	2	3.428E-16	6.075E-16	7.230E-09	2.242E+03	6.155E+02	9.194E+02	7.230E-09	-7.230E-09	7.854E-01	2.656E+03	2.013E+02	4.233E-01
396	2	33424.23	-136.45	60.15	1	1.880E-08	2.820E-09	-1.874E-16	6.590E+02	-7.110E+03	1.731E+03	1.880E-08	2.820E-09	-1.172E-08	1.027E+03	-7.478E+03	2.096E-01
396	2	33424.23	-136.45	60.15	2	-1.880E-08	-2.820E-09	1.874E-16	6.590E+02	-7.110E+03	1.731E+03	-2.820E-09	-1.880E-08	1.571E+00	1.027E+03	-7.479E+03	2.096E-01
396	3	33414.73	-125.95	60.15	1	4.720E-15	-3.903E-15	7.230E-09	1.910E+03	-1.304E+04	2.771E+02	7.230E-09	-7.230E-09	7.854E-01	1.915E+03	-1.305E+04	1.853E-02
396	3	33414.73	-125.95	60.15	2	4.748E-15	-3.875E-15	-7.230E-09	1.910E+03	-1.304E+04	2.771E+02	7.230E-09	-7.230E-09	-7.854E-01	1.915E+03	-1.305E+04	1.853E-02
396	4	33405.23	-136.45	60.15	1	-1.880E-08	-2.820E-09	-2.290E-16	3.975E+03	-5.683E+03	1.167E+03	-2.820E-09	-1.880E-08	1.571E+00	4.114E+03	-5.822E+03	1.186E-01
396	4	33405.23	-136.45	60.15	2	1.880E-08	2.820E-09	2.290E-16	3.975E+03	-5.683E+03	1.167E+03	1.880E-08	2.820E-09	1.433E-08	4.114E+03	-5.822E+03	1.186E-01
397	1	33213.73	-60.35	60.15	1	-1.410E-09	-9.402E-09	-2.389E-16	-4.091E+04	-5.331E+02	-2.885E+03	-1.410E-09	-9.402E-09	-2.989E-08	-3.280E+02	-4.111E+04	1.642E+00
397	1	33213.73	-60.35	60.15	2	1.410E-09	9.402E-09	-1.682E-17	-4.091E+04	-5.330E+02	-2.884E+03	9.402E-09	1.410E-09	1.571E+00	-3.280E+02	-4.111E+04	1.642E+00
397	2	33223.23	-100.58	60.15	1	-6.887E-16	2.022E-16	9.435E-10	-2.674E+04	-3.853E+03	1.367E+02	9.435E-10	-9.435E-10	7.854E-01	-3.852E+03	-2.674E+04	1.565E+00
397	2	33223.23	-100.58	60.15	2	-5.013E-16	3.895E-16	-9.435E-10	-2.674E+04	-3.852E+03	1.371E+02	9.435E-10	-9.435E-10	-7.854E-01	-3.852E+03	-2.674E+04	1.565E+00
397	3	33232.73	-60.35	60.15	1	1.410E-09	9.402E-09	3.331E-16	-4.082E+04	-1.395E+03	8.797E+02	9.402E-09	1.410E-09	1.571E+00	-1.375E+03	-4.084E+04	1.548E+00
397	3	33232.73	-60.35	60.15	2	-1.410E-09	-9.402E-09	-3.331E-16	-4.082E+04	-1.395E+03	8.802E+02	-1.410E-09	-9.402E-09	-4.168E-08	-1.375E+03	-4.084E+04	1.548E+00
397	4	33223.23	-20.12	60.15	1	-8.849E-16	5.025E-16	-9.435E-10	-5.510E+04	7.931E+02	5.148E+02	9.435E-10	-9.435E-10	-7.854E-01	7.979E+02	-5.510E+04	1.562E+00
397	4	33223.23	-20.12	60.15	2	-7.045E-16	6.829E-16	9.435E-10	-5.510E+04	7.929E+02	5.153E+02	9.435E-10	-9.435E-10	7.854E-01	7.977E+02	-5.510E+04	1.562E+00
398	1	33251.07	-60.35	60.15	1	-4.932E-10	-3.288E-09	-4.139E-16	-4.182E+04	-3.927E+03	1.387E+03	-4.932E-10	-3.288E-09	-1.481E-07	-3.876E+03	-4.187E+04	1.534E+00
398	1	33251.07	-60.35	60.15	2	4.932E-10	3.288E-09	-1.918E-16	-4.182E+04	-3.926E+03	1.388E+03	3.288E-09	4.932E-10	1.571E+00	-3.875E+03	-4.187E+04	1.534E+00
398	2	33278.23	-100.58	60.15	1	-5.912E-16	3.319E-16	9.435E-10	-2.069E+04	-1.597E+04	2.144E+03	9.435E-10	-9.435E-10	7.854E-01	-1.514E+04	-2.152E+04	1.203E+00
398	2	33278.23	-100.58	60.15	2	-6.051E-16	3.180E-16	-9.435E-10	-2.069E+04	-1.597E+04	2.144E+03	9.435E-10	-9.435E-10	-7.854E-01	-1.514E+04	-2.152E+04	1.202E+00
398	3	33305.40	-60.35	60.15	1	4.932E-10	3.288E-09	-5.551E-17	-4.002E+04	-2.100E+04	-1.408E+03	3.288E-09	4.932E-10	1.571E+00	-2.090E+04	-4.013E+04	1.644E+00
398	3	33305.40	-60.35	60.15	2	-4.932E-10	-3.288E-09	5.551E-17	-4.003E+04	-2.101E+04	-1.408E+03	-4.932E-10	-3.288E-09	1.986E-08	-2.090E+04	-4.013E+04	1.644E+00
398	4	33278.23	-20.12	60.15	1	-7.639E-16	1.240E-15	-9.435E-10	-5.854E+04	-1.690E+04	-1.894E+02	9.435E-10	-9.435E-10	-7.854E-01	-1.690E+04	-5.855E+04	1.575E+00
398	4	33278.23	-20.12	60.15	2	-7.639E-16	1.240E-15	9.435E-10	-5.855E+04	-1.690E+04	-1.883E+02	9.435E-10	-9.435E-10	7.854E-01	-1.690E+04	-5.855E+04	1.575E+00
399	1	33332.57	-60.35	60.15	1	-4.932E-10	-3.288E-09	-3.052E-16	-4.002E+04	-2.100E+04	-1.408E+03	-4.932E-10	-3.288E-09	-1.092E-07	-2.090E+04	-4.013E+04	1.644E+00
399	1	33332.57	-60.35	60.15	2	4.932E-10	3.288E-09	1.111E-16	-4.003E+04	-2.101E+04	-1.408E+03	3.288E-09	4.932E-10	1.571E+00	-2.090E+04	-4.013E+04	1.644E+00
399	2	33359.73	-100.58	60.15	1	-6.367E-16	9.165E-16	9.435E-10	-2.069E+04	-1.597E+04	-2.144E+03	9.435E-10	-9.435E-10	7.854E-01	-1.514E+04	-2.152E+04	1.939E+00
399	2	33359.73	-100.58	60.15	2	-7.703E-16	7.830E-16	-9.435E-10	-2.069E+04	-1.597E+04	-2.144E+03	9.435E-10	-9.435E-10	-7.854E-01	-1.514E+04	-2.152E+04	1.939E+00
399	3	33386.90	-60.35	60.15	1	4.932E-10	3.288E-09	-1.943E-16	-4.182E+04	-3.927E+03	-1.388E+03	3.288E-09	4.932E-10	1.571E+00	-3.876E+03	-4.187E+04	1.607E+00
399	3	33386.90	-60.35	60.15	2	-4.932E-10	-3.288E-09	1.943E-16	-4.182E+04	-3.926E+03	-1.388E+03	-4.932E-10	-3.288E-09	6.952E-08	-3.875E+03	-4.187E+04	1.607E+00
399	4	33359.73	-20.12	60.15	1	-5.057E-15	5.976E-16	-9.435E-10	-5.854E+04	-1.690E+04	-1.869E+03	9.435E-10	-9.435E-10	-7.854E-01	-1.681E+04	-5.863E+04	1.616E+00
399	4	33359.73	-20.12	60.15	2	-5.279E-15	3.755E-16	9.435E-10	-5.855E+04	-1.690E+04	-1.869E+03	9.435E-10	-9.435E-10	7.854E-01	-1.681E+04	-5.863E+04	1.616E+00
400	1	33405.23	-60.35	60.15	1	-1.410E-09	-9.402E-09	4.973E-16	-4.082E+04	-1.395E+03	-8.798E+02	-1.410E-09	-9.402E-09	6.223E-08	-1.375E+03	-4.084E+04	1.593E+00
400	1	33405.23	-60.35	60.15	2	1.410E-09	9.402E-09	6.500E-16	-4.082E+04	-1.395E+03	-8.801E+02	9.402E-09	1.410E-09	1.571E+00	-1.375E+03	-4.084E+04	1.593E+00
400	2	33414.73	-100.58	60.15	1	-3.629E-16	8.778E-16	9.435E-10	-2.674E+04	-3.853E+03	-1.368E+02	9.435E-10	-9.435E-10	7.854E-01	-3.852E+03	-2.674E+04	1.577E+00
400	2	33414.73	-100.58	60.15	2	-6.761E-16	5.647E-16	-9.435E-10	-2.674E+04	-3.852E+03	-1.370E+02	9.435E-10	-9.435E-10	-7.854E-01	-3.852E+03	-2.674E+04	1.577E+00
400	3	33424.23	-60.35	60.15	1	1.410E-09	9.402E-09	1.180E-16	-4.091E+04	-5.331E+02	2.885E+03	9.402E-09	1.410E-09	1.571E+00	-3.280E+02	-4.111E+04	1.500E+00
400	3	33424.23	-60.35	60.15	2	-1.410E-09	-9.402E-09	-1.180E-16	-4.091E+04	-5.331E+02	2.884E+03	-1.410E-09	-9.402E-09	-1.476E-08	-3.280E+02	-4.111E+04	1.500E+00
400	4	33414.73	-20.12	60.15	1	-2.175E-15	1.512E-16	-9.435E-10	-5.510E+04	7.931E+02	-5.149E+02	9.435E-10	-9.435E-10	-7.854E-01	7.979E+02	-5.510E+04	1.580E+00

400	4	33414.73	-20.12	60.15	2	-2.385E-15	-5.870E-17	9.435E-10	-5.510E+04	7.929E+02	-5.152E+02	9.435E-10	-9.435E-10	7.854E-01	7.977E+02	-5.510E+04	1.580E+00
401	1	33213.73	60.35	60.15	1	1.410E-09	9.402E-09	6.832E-17	-4.091E+04	-5.330E+02	2.884E+03	9.402E-09	1.410E-09	1.571E+00	-3.280E+02	-4.111E+04	1.500E+00
401	1	33213.73	60.35	60.15	2	-1.410E-09	-9.402E-09	6.832E-17	-4.091E+04	-5.331E+02	2.885E+03	-1.410E-09	-9.402E-09	8.549E-09	-3.280E+02	-4.111E+04	1.500E+00
401	2	33223.23	20.12	60.15	1	-7.727E-16	-4.063E-17	-9.435E-10	-5.510E+04	7.929E+02	5.148E+02	9.435E-10	-9.435E-10	-7.854E-01	7.977E+02	-5.510E+04	1.562E+00
401	2	33223.23	20.12	60.15	2	-3.494E-16	3.826E-16	9.435E-10	-5.510E+04	7.931E+02	5.153E+02	9.435E-10	-9.435E-10	7.854E-01	7.979E+02	-5.510E+04	1.562E+00
401	3	33232.73	60.35	60.15	1	-1.410E-09	-9.402E-09	3.331E-16	-4.082E+04	-1.395E+03	-8.802E+02	-1.410E-09	-9.402E-09	4.168E-08	-1.375E+03	-4.084E+04	1.593E+00
401	3	33232.73	60.35	60.15	2	1.410E-09	9.402E-09	-3.331E-16	-4.082E+04	-1.395E+03	-8.797E+02	9.402E-09	1.410E-09	1.571E+00	-1.375E+03	-4.084E+04	1.593E+00
401	4	33223.23	100.58	60.15	1	-9.602E-16	3.140E-17	9.435E-10	-2.674E+04	-3.852E+03	-1.371E+02	9.435E-10	-9.435E-10	7.854E-01	-3.852E+03	-2.674E+04	1.577E+00
401	4	33223.23	100.58	60.15	2	-3.566E-16	6.351E-16	-9.435E-10	-2.674E+04	-3.853E+03	-1.367E+02	9.435E-10	-9.435E-10	-7.854E-01	-3.852E+03	-2.674E+04	1.577E+00
402	1	33251.07	60.35	60.15	1	4.932E-10	3.288E-09	1.397E-17	-4.182E+04	-3.926E+03	-1.388E+03	3.288E-09	4.932E-10	1.571E+00	-3.875E+03	-4.187E+04	1.607E+00
402	1	33251.07	60.35	60.15	2	-4.932E-10	-3.288E-09	2.360E-16	-4.182E+04	-3.927E+03	-1.387E+03	-4.932E-10	-3.288E-09	8.446E-08	-3.876E+03	-4.187E+04	1.607E+00
402	2	33278.23	20.12	60.15	1	-7.915E-16	4.101E-16	-9.435E-10	-5.855E+04	-1.690E+04	-1.894E+02	9.435E-10	-9.435E-10	-7.854E-01	-1.690E+04	-5.855E+04	1.575E+00
402	2	33278.23	20.12	60.15	2	-5.694E-16	6.321E-16	9.435E-10	-5.854E+04	-1.690E+04	-1.883E+02	9.435E-10	-9.435E-10	7.854E-01	-1.690E+04	-5.855E+04	1.575E+00
402	3	33305.40	60.35	60.15	1	-4.932E-10	-3.288E-09	-3.422E-25	-4.003E+04	-2.101E+04	-1.408E+03	-4.932E-10	-3.288E-09	-1.225E-16	-2.090E+04	-4.013E+04	1.644E+00
402	3	33305.40	60.35	60.15	2	4.932E-10	3.288E-09	3.422E-25	-4.002E+04	-2.100E+04	-1.408E+03	3.288E-09	4.932E-10	1.571E+00	-2.090E+04	-4.013E+04	1.644E+00
402	4	33278.23	100.58	60.15	1	-1.274E-15	4.838E-16	9.435E-10	-2.069E+04	-1.597E+04	-2.144E+03	9.435E-10	-9.435E-10	7.854E-01	-1.514E+04	-2.152E+04	1.939E+00
402	4	33278.23	100.58	60.15	2	-9.752E-16	7.822E-16	-9.435E-10	-2.069E+04	-1.597E+04	-2.144E+03	9.435E-10	-9.435E-10	-7.854E-01	-1.514E+04	-2.152E+04	1.939E+00
403	1	33332.57	60.35	60.15	1	4.932E-10	3.288E-09	-7.069E-16	-4.003E+04	-2.101E+04	-1.408E+03	3.288E-09	4.932E-10	1.571E+00	-2.090E+04	-4.013E+04	1.644E+00
403	1	33332.57	60.35	60.15	2	-4.932E-10	-3.288E-09	-1.299E-17	-4.002E+04	-2.100E+04	-1.408E+03	-4.932E-10	-3.288E-09	-4.650E-09	-2.090E+04	-4.013E+04	1.644E+00
403	2	33359.73	20.12	60.15	1	-5.366E-15	-5.086E-17	-9.435E-10	-5.855E+04	-1.690E+04	-1.869E+03	9.435E-10	-9.435E-10	-7.854E-01	-1.681E+04	-5.863E+04	1.616E+00
403	2	33359.73	20.12	60.15	2	-5.638E-15	-3.232E-16	9.435E-10	-5.854E+04	-1.690E+04	-1.869E+03	9.435E-10	-9.435E-10	7.854E-01	-1.681E+04	-5.863E+04	1.616E+00
403	3	33386.90	60.35	60.15	1	-4.932E-10	-3.288E-09	-2.914E-16	-4.182E+04	-3.926E+03	1.388E+03	-4.932E-10	-3.288E-09	-1.043E-07	-3.875E+03	-4.187E+04	1.534E+00
403	3	33386.90	60.35	60.15	2	4.932E-10	3.288E-09	2.914E-16	-4.182E+04	-3.927E+03	1.388E+03	3.288E-09	4.932E-10	1.571E+00	-3.876E+03	-4.187E+04	1.534E+00
403	4	33359.73	100.58	60.15	1	-2.486E-15	9.575E-16	9.435E-10	-2.069E+04	-1.597E+04	2.144E+03	9.435E-10	-9.435E-10	7.854E-01	-1.514E+04	-2.152E+04	1.202E+00
403	4	33359.73	100.58	60.15	2	-2.711E-15	7.319E-16	-9.435E-10	-2.069E+04	-1.597E+04	2.144E+03	9.435E-10	-9.435E-10	-7.854E-01	-1.514E+04	-2.152E+04	1.203E+00
404	1	33405.23	60.35	60.15	1	1.410E-09	9.402E-09	1.912E-16	-4.082E+04	-1.395E+03	8.801E+02	9.402E-09	1.410E-09	1.571E+00	-1.375E+03	-4.084E+04	1.548E+00
404	1	33405.23	60.35	60.15	2	-1.410E-09	-9.402E-09	4.688E-16	-4.082E+04	-1.395E+03	8.798E+02	-1.410E-09	-9.402E-09	5.866E-08	-1.375E+03	-4.084E+04	1.548E+00
404	2	33414.73	20.12	60.15	1	-3.400E-15	6.591E-16	-9.435E-10	-5.510E+04	7.929E+02	-5.149E+02	9.435E-10	-9.435E-10	-7.854E-01	7.977E+02	-5.510E+04	1.580E+00
404	2	33414.73	20.12	60.15	2	-4.199E-15	-1.401E-16	9.435E-10	-5.510E+04	7.931E+02	-5.152E+02	9.435E-10	-9.435E-10	7.854E-01	7.979E+02	-5.510E+04	1.580E+00
404	3	33424.23	60.35	60.15	1	-1.410E-09	-9.402E-09	6.939E-17	-4.091E+04	-5.331E+02	-2.884E+03	-1.410E-09	-9.402E-09	8.683E-09	-3.280E+02	-4.111E+04	1.642E+00
404	3	33424.23	60.35	60.15	2	1.410E-09	9.402E-09	-6.939E-17	-4.091E+04	-5.331E+02	-2.885E+03	9.402E-09	1.410E-09	1.571E+00	-3.280E+02	-4.111E+04	1.642E+00
404	4	33414.73	100.58	60.15	1	-7.383E-15	-1.004E-17	9.435E-10	-2.674E+04	-3.852E+03	1.370E+02	9.435E-10	-9.435E-10	7.854E-01	-3.852E+03	-2.674E+04	1.565E+00
404	4	33414.73	100.58	60.15	2	-8.176E-15	-8.028E-16	-9.435E-10	-2.674E+04	-3.853E+03	1.368E+02	9.435E-10	-9.435E-10	-7.854E-01	-3.852E+03	-2.674E+04	1.565E+00
405	1	33223.23	125.95	60.15	1	2.064E-16	1.257E-15	7.230E-09	1.910E+03	-1.304E+04	2.772E+02	7.230E-09	-7.230E-09	7.854E-01	1.915E+03	-1.305E+04	1.853E-02
405	1	33223.23	125.95	60.15	2	3.729E-16	8.128E-16	-7.230E-09	1.910E+03	-1.304E+04	2.771E+02	7.230E-09	-7.230E-09	-7.854E-01	1.915E+03	-1.305E+04	1.852E-02
405	2	33232.73	136.45	60.15	1	-1.880E-08	-2.820E-09	-8.882E-16	3.975E+03	-5.683E+03	1.167E+03	-2.820E-09	-1.880E-08	1.571E+00	4.114E+03	-5.822E+03	1.186E-01
405	2	33232.73	136.45	60.15	2	1.880E-08	2.820E-09	8.882E-16	3.975E+03	-5.683E+03	1.167E+03	1.880E-08	2.820E-09	5.557E-08	4.114E+03	-5.822E+03	1.186E-01
405	3	33223.23	146.95	60.15	1	4.428E-15	-3.539E-15	-7.230E-09	2.242E+03	6.155E+02	9.195E+02	7.230E-09	-7.230E-09	-7.854E-01	2.656E+03	2.013E+02	4.233E-01
405	3	33223.23	146.95	60.15	2	4.733E-15	-3.233E-15	7.230E-09	2.242E+03	6.154E+02	9.194E+02	7.230E-09	-7.230E-09	7.854E-01	2.656E+03	2.012E+02	4.233E-01
405	4	33213.73	136.45	60.15	1	1.880E-08	2.820E-09	-5.551E-16	6.590E+02	-7.110E+03	1.731E+03	1.880E-08	2.820E-09	-3.473E-08	1.027E+03	-7.479E+03	2.096E-01
405	4	33213.73	136.45	60.15	2	-1.880E-08	-2.820E-09	5.551E-16	6.590E+02	-7.110E+03	1.731E+03	-2.820E-09	-1.880E-08	1.571E+00	1.027E+03	-7.478E+03	2.096E-01
406	1	33278.23	125.95	60.15	1	-4.500E-16	-3.566E-15	7.230E-09	-4.500E+03	-9.826E+03	2.038E+03	7.230E-09	-7.230E-09	7.854E-01	-3.809E+03	-1.052E+04	3.266E-01
406	1	33278.23	125.95	60.15	2	-3.390E-16	-1.568E-15	-7.230E-09	-4.499E+03	-9.826E+03	2.038E+03	7.230E-09	-7.230E-09	-7.854E-01	-3.809E+03	-1.052E+04	3.266E-01

406	2	33305.40	136.45	60.15	1	-6.575E-09	-9.863E-10	-2.220E-16	-7.973E+03	-7.642E+03	6.831E+02	-9.863E-10	-6.575E-09	1.571E+00	-7.105E+03	-8.510E+03	9.041E-01
406	2	33305.40	136.45	60.15	2	6.575E-09	9.863E-10	2.220E-16	-7.972E+03	-7.642E+03	6.831E+02	6.575E-09	9.863E-10	3.973E-08	-7.104E+03	-8.510E+03	9.041E-01
406	3	33278.23	146.95	60.15	1	2.319E-15	-5.693E-15	-7.230E-09	-4.286E+03	-3.046E+03	1.522E+03	7.230E-09	-7.230E-09	-7.854E-01	-2.022E+03	-5.310E+03	9.789E-01
406	3	33278.23	146.95	60.15	2	2.985E-15	-5.027E-15	7.230E-09	-4.286E+03	-3.046E+03	1.522E+03	7.230E-09	-7.230E-09	7.854E-01	-2.022E+03	-5.310E+03	9.789E-01
406	4	33251.07	136.45	60.15	1	6.575E-09	9.863E-10	-1.665E-16	-8.147E+02	-7.591E+03	2.141E+03	6.575E-09	9.863E-10	-2.980E-08	-1.947E+02	-8.211E+03	2.818E-01
406	4	33251.07	136.45	60.15	2	-6.575E-09	-9.863E-10	1.665E-16	-8.146E+02	-7.590E+03	2.141E+03	-9.863E-10	-6.575E-09	1.571E+00	-1.947E+02	-8.210E+03	2.818E-01
407	1	33359.73	125.95	60.15	1	5.452E-16	6.477E-15	7.230E-09	-4.500E+03	-9.826E+03	-2.038E+03	7.230E-09	-7.230E-09	7.854E-01	-3.809E+03	-1.052E+04	-3.266E-01
407	1	33359.73	125.95	60.15	2	5.452E-16	6.477E-15	-7.230E-09	-4.499E+03	-9.826E+03	-2.038E+03	7.230E-09	-7.230E-09	-7.854E-01	-3.809E+03	-1.052E+04	-3.266E-01
407	2	33386.90	136.45	60.15	1	-6.575E-09	-9.863E-10	3.469E-16	-8.147E+02	-7.591E+03	-2.141E+03	-9.863E-10	-6.575E-09	1.571E+00	-1.948E+02	-8.211E+03	-2.818E-01
407	2	33386.90	136.45	60.15	2	6.575E-09	9.863E-10	-3.469E-16	-8.146E+02	-7.590E+03	-2.141E+03	6.575E-09	9.863E-10	-6.208E-08	-1.947E+02	-8.210E+03	-2.818E-01
407	3	33359.73	146.95	60.15	1	7.846E-15	-1.424E-15	-7.230E-09	-4.286E+03	-3.046E+03	-1.522E+03	7.230E-09	-7.230E-09	-7.854E-01	-2.022E+03	-5.310E+03	2.163E+00
407	3	33359.73	146.95	60.15	2	7.797E-15	-1.473E-15	7.230E-09	-4.286E+03	-3.046E+03	-1.522E+03	7.230E-09	-7.230E-09	7.854E-01	-2.022E+03	-5.310E+03	2.163E+00
407	4	33332.57	136.45	60.15	1	6.575E-09	9.863E-10	4.025E-16	-7.973E+03	-7.642E+03	6.831E+02	6.575E-09	9.863E-10	7.201E-08	-7.105E+03	-8.510E+03	9.041E-01
407	4	33332.57	136.45	60.15	2	-6.575E-09	-9.863E-10	-4.025E-16	-7.972E+03	-7.642E+03	6.831E+02	-9.863E-10	-6.575E-09	1.571E+00	-7.104E+03	-8.510E+03	9.041E-01
408	1	33414.73	125.95	60.15	1	-5.185E-15	6.968E-15	7.230E-09	1.910E+03	-1.304E+04	-2.771E+02	7.230E-09	-7.230E-09	7.854E-01	1.915E+03	-1.305E+04	-1.853E-02
408	1	33414.73	125.95	60.15	2	-5.799E-15	2.083E-15	-7.230E-09	1.910E+03	-1.304E+04	-2.771E+02	7.230E-09	-7.230E-09	-7.854E-01	1.915E+03	-1.305E+04	-1.853E-02
408	2	33424.23	136.45	60.15	1	-1.880E-08	-2.820E-09	2.984E-16	6.590E+02	-7.110E+03	-1.731E+03	-2.820E-09	-1.880E-08	1.571E+00	1.027E+03	-7.479E+03	-2.096E-01
408	2	33424.23	136.45	60.15	2	1.880E-08	2.820E-09	-2.984E-16	6.590E+02	-7.110E+03	-1.731E+03	1.880E-08	2.820E-09	-1.867E-08	1.027E+03	-7.478E+03	-2.096E-01
408	3	33414.73	146.95	60.15	1	2.832E-14	-1.946E-14	-7.230E-09	2.242E+03	6.155E+02	-9.194E+02	7.230E-09	-7.230E-09	-7.854E-01	2.656E+03	2.013E+02	-4.233E-01
408	3	33414.73	146.95	60.15	2	2.557E-14	-2.221E-14	7.230E-09	2.242E+03	6.154E+02	-9.194E+02	7.230E-09	-7.230E-09	7.854E-01	2.656E+03	2.012E+02	-4.233E-01
408	4	33405.23	136.45	60.15	1	1.880E-08	2.821E-09	3.123E-16	3.975E+03	-5.683E+03	-1.167E+03	1.880E-08	2.821E-09	1.954E-08	4.114E+03	-5.822E+03	-1.186E-01
408	4	33405.23	136.45	60.15	2	-1.880E-08	-2.820E-09	-3.123E-16	3.975E+03	-5.683E+03	-1.167E+03	-2.820E-09	-1.880E-08	1.571E+00	4.114E+03	-5.822E+03	-1.186E-01
409	1	33223.23	157.45	60.15	1	1.063E-16	-3.313E-16	7.230E-09	2.989E+03	2.553E+03	1.535E+03	7.230E-09	-7.230E-09	7.854E-01	4.321E+03	1.221E+03	7.149E-01
409	1	33223.23	157.45	60.15	2	-2.268E-16	1.128E-16	-7.230E-09	2.988E+03	2.553E+03	1.535E+03	7.230E-09	-7.230E-09	-7.854E-01	4.320E+03	1.221E+03	7.149E-01
409	2	33232.73	167.95	60.15	1	-1.880E-08	-2.820E-09	-5.551E-16	4.083E+03	1.716E+03	8.664E+02	-2.820E-09	-1.880E-08	1.571E+00	4.367E+03	1.433E+03	3.160E-01
409	2	33232.73	167.95	60.15	2	1.880E-08	2.820E-09	5.551E-16	4.083E+03	1.716E+03	8.664E+02	1.880E-08	2.820E-09	3.473E-08	4.366E+03	1.433E+03	3.160E-01
409	3	33223.23	178.45	60.15	1	3.252E-15	-4.042E-15	-7.230E-09	2.045E+03	5.099E+02	1.153E+03	7.230E-09	-7.230E-09	-7.854E-01	2.663E+03	-1.079E+02	4.918E-01
409	3	33223.23	178.45	60.15	2	3.919E-15	-3.376E-15	7.230E-09	2.045E+03	5.099E+02	1.153E+03	7.230E-09	-7.230E-09	7.854E-01	2.663E+03	-1.079E+02	4.918E-01
409	4	33213.73	167.95	60.15	1	1.880E-08	2.820E-09	-3.331E-16	3.463E+02	1.807E+03	1.247E+03	1.880E-08	2.820E-09	-2.084E-08	2.522E+03	-3.688E+02	1.050E+00
409	4	33213.73	167.95	60.15	2	-1.880E-08	-2.820E-09	3.331E-16	3.463E+02	1.807E+03	1.247E+03	-2.820E-09	-1.880E-08	1.571E+00	2.522E+03	-3.688E+02	1.050E+00
410	1	33278.23	157.45	60.15	1	3.294E-16	-4.265E-16	7.230E-09	-3.879E+03	-7.686E+02	1.173E+03	7.230E-09	-7.230E-09	7.854E-01	-3.761E+02	-4.272E+03	1.248E+00
410	1	33278.23	157.45	60.15	2	4.960E-16	-2.045E-16	-7.230E-09	-3.879E+03	-7.686E+02	1.173E+03	7.230E-09	-7.230E-09	-7.854E-01	-3.761E+02	-4.271E+03	1.248E+00
410	2	33305.40	167.95	60.15	1	-6.575E-09	-9.863E-10	-5.551E-16	-8.513E+03	-1.248E+03	1.569E+02	-9.863E-10	-6.575E-09	1.571E+00	-1.245E+03	-8.516E+03	1.549E+00
410	2	33305.40	167.95	60.15	2	6.575E-09	9.863E-10	5.551E-16	-8.512E+03	-1.248E+03	1.568E+02	6.575E-09	9.863E-10	9.932E-08	-1.245E+03	-8.516E+03	1.549E+00
410	3	33278.23	178.45	60.15	1	3.497E-15	-4.698E-15	-7.230E-09	-3.957E+03	-2.896E+02	2.746E+02	7.230E-09	-7.230E-09	-7.854E-01	-2.691E+02	-3.977E+03	1.496E+00
410	3	33278.23	178.45	60.15	2	3.968E-15	-4.226E-15	7.230E-09	-3.956E+03	-2.896E+02	2.745E+02	7.230E-09	-7.230E-09	7.854E-01	-2.691E+02	-3.977E+03	1.496E+00
410	4	33251.07	167.95	60.15	1	6.575E-09	9.863E-10	-5.551E-17	6.767E+02	-1.808E+02	4.224E+02	6.575E-09	9.863E-10	-9.932E-09	8.498E+02	-3.539E+02	3.890E-01
410	4	33251.07	167.95	60.15	2	-6.575E-09	-9.863E-10	5.551E-17	6.767E+02	-1.808E+02	4.224E+02	-9.863E-10	-6.575E-09	1.571E+00	8.498E+02	-3.539E+02	3.889E-01
411	1	33359.73	157.45	60.15	1	-2.548E-15	-5.256E-15	7.230E-09	-3.879E+03	-7.686E+02	-1.173E+03	7.230E-09	-7.230E-09	7.854E-01	-3.761E+02	-4.272E+03	1.894E+00
411	1	33359.73	157.45	60.15	2	-2.284E-15	-5.256E-15	-7.230E-09	-3.879E+03	-7.686E+02	-1.173E+03	7.230E-09	-7.230E-09	-7.854E-01	-3.761E+02	-4.271E+03	1.894E+00
411	2	33386.90	167.95	60.15	1	-6.575E-09	-9.863E-10	-5.412E-16	6.766E+02	-1.808E+02	-4.224E+02	-9.863E-10	-6.575E-09	1.571E+00	8.498E+02	-3.539E+02	-3.890E-01
411	2	33386.90	167.95	60.15	2	6.575E-09	9.863E-10	5.412E-16	6.767E+02	-1.808E+02	-4.224E+02	6.575E-09	9.863E-10	9.684E-08	8.498E+02	-3.539E+02	-3.890E-01
411	3	33359.73	178.45	60.15	1	1.427E-15	-1.306E-14	-7.230E-09	-3.957E+03	-2.896E+02	-2.745E+02	7.230E-09	-7.230E-09	-7.854E-01	-2.691E+02	-3.977E+03	1.645E+00

411	3	33359.73	178.45	60.15	2	2.197E-15	-1.229E-14	7.230E-09	-3.956E+03	-2.895E+02	-2.746E+02	7.230E-09	-7.230E-09	7.854E-01	-2.691E+02	-3.977E+03	1.645E+00
411	4	33332.57	167.95	60.15	1	6.575E-09	9.863E-10	3.469E-16	-8.513E+03	-1.248E+03	1.569E+02	6.575E-09	9.863E-10	6.208E-08	-1.245E+03	-8.516E+03	1.549E+00
411	4	33332.57	167.95	60.15	2	-6.575E-09	-9.863E-10	-3.469E-16	-8.512E+03	-1.248E+03	1.568E+02	-9.863E-10	-6.575E-09	1.571E+00	-1.245E+03	-8.516E+03	1.549E+00
412	1	33414.73	157.45	60.15	1	7.403E-15	2.631E-14	7.230E-09	2.989E+03	2.553E+03	-1.535E+03	7.230E-09	-7.230E-09	7.854E-01	4.321E+03	1.221E+03	-7.149E-01
412	1	33414.73	157.45	60.15	2	6.594E-15	2.023E-14	-7.230E-09	2.988E+03	2.553E+03	-1.535E+03	7.230E-09	-7.230E-09	-7.854E-01	4.321E+03	1.221E+03	-7.149E-01
412	2	33424.23	167.95	60.15	1	-1.880E-08	-2.820E-09	6.523E-16	3.463E+02	1.807E+03	-1.247E+03	-2.820E-09	-1.880E-08	1.571E+00	2.522E+03	-3.688E+02	2.091E+00
412	2	33424.23	167.95	60.15	2	1.880E-08	2.821E-09	-6.523E-16	3.463E+02	1.807E+03	-1.247E+03	1.880E-08	2.821E-09	-4.081E-08	2.522E+03	-3.688E+02	2.091E+00
412	3	33414.73	178.45	60.15	1	3.055E-14	3.435E-15	-7.230E-09	2.045E+03	5.099E+02	-1.153E+03	7.230E-09	-7.230E-09	-7.854E-01	2.663E+03	-1.079E+02	-4.918E-01
412	3	33414.73	178.45	60.15	2	2.814E-14	1.027E-15	7.230E-09	2.045E+03	5.099E+02	-1.153E+03	7.230E-09	-7.230E-09	7.854E-01	2.663E+03	-1.079E+02	-4.918E-01
412	4	33405.23	167.95	60.15	1	1.880E-08	2.821E-09	9.576E-16	4.083E+03	1.716E+03	-8.664E+02	1.880E-08	2.821E-09	5.991E-08	4.366E+03	1.433E+03	-3.160E-01
412	4	33405.23	167.95	60.15	2	-1.880E-08	-2.820E-09	-9.576E-16	4.083E+03	1.716E+03	-8.664E+02	-2.820E-09	-1.880E-08	1.571E+00	4.366E+03	1.433E+03	-3.160E-01
413	1	35776.73	-167.95	62.70	1	1.550E+00	-9.851E-01	5.038E-01	2.982E+03	7.744E+02	1.715E+03	1.646E+00	-1.082E+00	1.892E-01	3.917E+03	-1.611E+02	4.994E-01
413	1	35776.73	-167.95	62.70	2	-3.501E+00	1.006E+00	-1.541E+00	8.241E+02	6.866E+01	7.435E+02	1.482E+00	-3.977E+00	1.871E+00	1.280E+03	-3.875E+02	5.504E-01
413	2	35786.23	-178.45	62.70	1	-3.181E-02	2.227E+00	8.694E-01	2.580E+02	2.142E+03	1.393E+03	2.523E+00	-3.276E-01	1.243E+00	2.882E+03	-4.820E+02	1.083E+00
413	2	35786.23	-178.45	62.70	2	-2.306E-02	-3.890E+00	-1.648E+00	6.347E+02	1.540E+03	8.362E+02	5.837E-01	-4.497E+00	-3.529E-01	2.038E+03	1.364E+02	1.033E+00
413	3	35795.73	-167.95	62.70	1	-1.806E-01	-4.737E-01	1.800E+00	1.603E+03	4.795E+03	7.585E+02	1.479E+00	-2.133E+00	7.448E-01	4.966E+03	1.432E+03	1.349E+00
413	3	35795.73	-167.95	62.70	2	1.436E+00	-4.529E-01	-3.367E+00	1.302E+03	2.671E+03	8.324E+02	3.988E+00	-3.006E+00	-6.487E-01	3.064E+03	9.091E+02	1.129E+00
413	4	35786.23	-157.45	62.70	1	1.401E+00	-3.686E+00	1.434E+00	3.740E+03	4.197E+03	2.636E+03	1.777E+00	-4.063E+00	2.567E-01	6.615E+03	1.322E+03	8.286E-01
413	4	35786.23	-157.45	62.70	2	-2.042E+00	4.443E+00	-3.260E+00	1.209E+03	1.571E+03	7.495E+02	5.799E+00	-3.397E+00	1.965E+00	2.161E+03	6.191E+02	9.036E-01
414	1	35814.07	-167.95	62.70	1	1.561E+00	1.114E+01	3.765E+00	-5.563E+02	-1.851E+03	2.824E+02	1.244E+01	2.589E-01	1.238E+00	-4.974E+02	-1.910E+03	2.057E-01
414	1	35814.07	-167.95	62.70	2	-3.107E-02	-1.023E+01	-2.620E+00	-1.872E+02	2.682E+03	3.652E+02	6.027E-01	-1.087E+01	-2.373E-01	2.728E+03	-2.330E+02	1.446E+00
414	2	35841.23	-178.45	62.70	1	7.549E-02	1.040E+01	2.948E+00	-8.921E+01	-5.377E+03	4.739E+02	1.118E+01	-7.071E-01	1.311E+00	-4.708E+01	-5.419E+03	8.868E-02
414	2	35841.23	-178.45	62.70	2	-9.517E-02	-9.161E+00	-1.443E+00	-4.098E+02	-2.525E+03	-1.999E+02	1.289E-01	-9.385E+00	-1.541E-01	-3.911E+02	-2.544E+03	-9.338E-02
414	3	35868.40	-167.95	62.70	1	-2.042E+00	1.114E+01	2.130E+00	-1.269E+03	-9.079E+03	2.810E+02	1.147E+01	-2.378E+00	1.414E+00	-1.259E+03	-9.089E+03	3.592E-02
414	3	35868.40	-167.95	62.70	2	7.511E-01	-1.023E+01	-2.649E-01	-7.099E+02	-7.455E+03	-8.168E+01	7.575E-01	-1.024E+01	-2.410E-02	-7.089E+02	-7.456E+03	-1.211E-02
414	4	35841.23	-157.45	62.70	1	-5.562E-01	1.188E+01	2.947E+00	-1.242E+03	-5.553E+03	1.150E+03	1.254E+01	-1.219E+00	1.350E+00	-9.546E+02	-5.841E+03	2.451E-01
414	4	35841.23	-157.45	62.70	2	8.152E-01	-1.130E+01	-1.443E+00	-2.578E+02	-2.248E+03	6.364E+02	9.846E-01	-1.147E+01	-1.169E-01	-7.172E+01	-2.434E+03	2.845E-01
415	1	35895.57	-167.95	62.70	1	-2.043E+00	1.113E+01	-2.130E+00	-1.281E+03	-9.071E+03	2.536E+02	1.147E+01	-2.378E+00	1.727E+00	-1.273E+03	-9.080E+03	3.250E-02
415	1	35895.57	-167.95	62.70	2	7.505E-01	-1.024E+01	2.652E-01	-7.022E+02	-7.460E+03	-9.184E+01	7.569E-01	-1.024E+01	2.412E-02	-7.010E+02	-7.462E+03	-1.359E-02
415	2	35922.73	-178.45	62.70	1	8.217E-02	1.039E+01	-2.953E+00	-9.567E+01	-5.413E+03	-4.562E+02	1.117E+01	-7.042E-01	1.831E+00	-5.681E+01	-5.452E+03	-8.497E-02
415	2	35922.73	-178.45	62.70	2	-8.847E-02	-9.170E+00	1.437E+00	-4.145E+02	-2.505E+03	2.174E+02	1.335E-01	-9.392E+00	1.533E-01	-3.921E+02	-2.528E+03	1.025E-01
415	3	35949.90	-167.95	62.70	1	1.571E+00	1.114E+01	-3.776E+00	-5.756E+02	-1.931E+03	-2.603E+02	1.245E+01	2.600E-01	1.905E+00	-5.274E+02	-1.979E+03	-1.834E-01
415	3	35949.90	-167.95	62.70	2	-2.156E-02	-1.024E+01	2.609E+00	-1.930E+02	2.733E+03	-3.629E+02	6.063E-01	-1.086E+01	2.361E-01	2.777E+03	-2.373E+02	1.692E+00
415	4	35922.73	-157.45	62.70	1	-5.540E-01	1.188E+01	-2.953E+00	-1.261E+03	-5.589E+03	-1.125E+03	1.255E+01	-1.219E+00	1.792E+00	-9.865E+02	-5.863E+03	-2.397E-01
415	4	35922.73	-157.45	62.70	2	8.174E-01	-1.130E+01	1.437E+00	-2.525E+02	-2.222E+03	-6.196E+02	9.855E-01	-1.147E+01	1.164E-01	-7.374E+01	-2.401E+03	-2.808E-01
416	1	35968.23	-167.95	62.70	1	-1.722E-01	-4.850E-01	-1.781E+00	1.584E+03	4.787E+03	-7.573E+02	1.460E+00	-2.117E+00	-7.416E-01	4.957E+03	1.414E+03	1.792E+00
416	1	35968.23	-167.95	62.70	2	1.444E+00	-4.641E-01	3.386E+00	1.291E+03	2.635E+03	-8.140E+02	4.008E+00	-3.027E+00	6.480E-01	3.019E+03	9.079E+02	2.011E+00
416	2	35977.73	-178.45	62.70	1	-3.567E-02	2.208E+00	-8.587E-01	2.480E+02	2.123E+03	-1.390E+03	2.499E+00	-3.265E-01	1.897E+00	2.862E+03	-4.913E+02	2.060E+00
416	2	35977.73	-178.45	62.70	2	-2.694E-02	-3.910E+00	1.658E+00	6.393E+02	1.527E+03	-8.309E+02	5.849E-01	-4.522E+00	3.535E-01	2.025E+03	1.412E+02	2.111E+00
416	3	35987.23	-167.95	62.70	1	1.527E+00	-9.871E-01	-4.909E-01	3.000E+03	7.838E+02	-1.716E+03	1.620E+00	-1.080E+00	-1.861E-01	3.935E+03	-1.510E+02	-4.988E-01
416	3	35987.23	-167.95	62.70	2	-3.523E+00	1.004E+00	1.554E+00	8.062E+02	6.375E+01	-7.331E+02	1.486E+00	-4.005E+00	1.270E+00	1.257E+03	-3.868E+02	-5.510E-01
416	4	35977.73	-157.45	62.70	1	1.391E+00	-3.680E+00	-1.414E+00	3.749E+03	4.218E+03	-2.656E+03	1.758E+00	-4.048E+00	-2.543E-01	6.650E+03	1.317E+03	2.312E+00
416	4	35977.73	-157.45	62.70	2	-2.052E+00	4.449E+00	3.281E+00	1.180E+03	1.537E+03	-7.369E+02	5.817E+00	-3.420E+00	1.176E+00	2.117E+03	6.003E+02	2.237E+00

417	1	35786.23	-146.95	62.70	1	-4.461E+00	-3.765E+00	5.851E+00	3.741E+03	4.038E+03	-1.952E+03	1.749E+00	-9.975E+00	8.151E-01	5.847E+03	1.932E+03	2.318E+00
417	1	35786.23	-146.95	62.70	2	4.511E+00	-1.593E+00	-4.211E+00	9.382E+02	-6.828E+02	-1.938E+02	6.659E+00	-3.741E+00	-4.718E-01	9.611E+02	-7.057E+02	-1.173E-01
417	2	35795.73	-136.45	62.70	1	-1.270E+00	-6.003E+00	5.933E+00	5.713E+03	-3.443E+03	-2.482E+03	2.751E+00	-1.002E+01	5.957E-01	6.343E+03	-4.073E+03	-2.484E-01
417	2	35795.73	-136.45	62.70	2	1.858E+00	-1.378E+00	-4.972E+00	2.683E+03	-5.311E+03	2.864E+02	5.469E+00	-4.989E+00	-6.281E-01	2.693E+03	-5.322E+03	3.576E-02
417	3	35786.23	-125.95	62.70	1	9.878E-01	-5.085E+00	4.821E+00	2.006E+03	-1.328E+04	-8.258E+02	3.649E+00	-7.746E+00	5.044E-01	2.050E+03	-1.332E+04	-5.382E-02
417	3	35786.23	-125.95	62.70	2	-1.067E+00	-2.417E-01	-4.511E+00	2.127E+03	-1.066E+04	3.677E+02	3.876E+00	-5.185E+00	2.311E+00	2.137E+03	-1.067E+04	2.872E-02
417	4	35776.73	-136.45	62.70	1	-2.203E+00	-2.847E+00	4.739E+00	1.788E+02	-5.908E+03	-2.514E+03	2.225E+00	-7.275E+00	7.515E-01	1.083E+03	-6.812E+03	-3.452E-01
417	4	35776.73	-136.45	62.70	2	1.586E+00	-4.570E-01	-3.750E+00	8.800E+02	-6.414E+03	-8.715E+02	4.451E+00	-3.322E+00	-6.524E-01	9.827E+02	-6.516E+03	-1.173E-01
418	1	35841.23	-146.95	62.70	1	1.137E+01	-3.973E+00	2.123E+00	-5.883E+03	-3.154E+03	-1.285E+03	1.166E+01	-4.262E+00	1.350E-01	-2.644E+03	-6.393E+03	1.949E+00
418	1	35841.23	-146.95	62.70	2	-1.138E+01	3.275E-01	-3.525E+00	-2.501E+03	-1.408E+03	-1.269E+03	1.307E+00	-1.236E+01	1.842E+00	-5.729E+02	-3.336E+03	2.153E+00
418	2	35868.40	-136.45	62.70	1	7.925E+00	-3.926E-01	-1.667E+00	-8.682E+03	-7.059E+03	-4.685E+02	8.246E+00	-7.144E-01	-1.907E-01	-6.934E+03	-8.807E+03	1.833E+00
418	2	35868.40	-136.45	62.70	2	-7.990E+00	6.320E-01	1.982E-01	-7.274E+03	-7.346E+03	-8.409E+02	6.365E-01	-7.995E+00	1.548E+00	-6.468E+03	-8.152E+03	-7.642E-01
418	3	35841.23	-125.95	62.70	1	4.478E+00	-1.043E+00	2.123E+00	-4.957E+03	-7.503E+03	-2.079E+03	5.200E+00	-1.765E+00	3.277E-01	-3.793E+03	-8.667E+03	-5.107E-01
418	3	35841.23	-125.95	62.70	2	-4.606E+00	-2.551E+00	-3.525E+00	-3.898E+03	-1.069E+04	-1.941E+03	9.386E-02	-7.250E+00	2.214E+00	-3.383E+03	-1.121E+04	-2.596E-01
418	4	35814.07	-136.45	62.70	1	7.923E+00	-4.624E+00	5.913E+00	-2.159E+03	-5.641E+03	-3.273E+03	1.027E+01	-6.971E+00	3.779E-01	-1.932E+02	-7.607E+03	-5.410E-01
418	4	35814.07	-136.45	62.70	2	-7.992E+00	-2.855E+00	-7.248E+00	8.736E+02	-6.926E+03	-8.923E+02	2.267E+00	-1.311E+01	2.186E+00	9.744E+02	-7.027E+03	-1.125E-01
419	1	35922.73	-146.95	62.70	1	1.136E+01	-4.014E+00	-2.117E+00	-5.915E+03	-3.158E+03	1.263E+03	1.165E+00	-4.301E+00	-1.344E-01	-2.667E+03	-6.406E+03	1.200E+00
419	1	35922.73	-146.95	62.70	2	-1.138E+01	2.861E-01	3.531E+00	-2.469E+03	-1.359E+03	1.255E+03	1.271E+00	-1.237E+01	1.299E+00	-5.422E+02	-3.286E+03	9.935E-01
419	2	35949.90	-136.45	62.70	1	7.919E+00	-4.707E+00	-5.905E+00	-2.198E+03	-5.575E+03	3.283E+03	1.025E+01	-7.039E+00	-3.760E-01	-1.946E+02	-7.578E+03	5.480E-01
419	2	35949.90	-136.45	62.70	2	-7.995E+00	-2.939E+00	7.257E+00	9.229E+02	-6.892E+03	8.663E+02	2.217E+00	-1.315E+01	9.530E-01	1.018E+03	-6.987E+03	1.091E-01
419	3	35922.73	-125.95	62.70	1	4.476E+00	-1.086E+00	-2.117E+00	-4.963E+03	-7.446E+03	2.062E+03	5.190E+00	-1.800E+00	-3.253E-01	-3.798E+03	-8.611E+03	5.144E-01
419	3	35922.73	-125.95	62.70	2	-4.607E+00	-2.594E+00	3.531E+00	-3.886E+03	-1.070E+04	1.945E+03	7.151E-02	-7.273E+00	9.243E-01	-3.371E+03	-1.122E+04	2.592E-01
419	4	35895.57	-136.45	62.70	1	7.921E+00	-3.931E-01	1.671E+00	-8.681E+03	-7.064E+03	-4.484E+02	8.244E+00	-7.164E-01	1.911E-01	-6.948E+03	-8.797E+03	1.824E+00
419	4	35895.57	-136.45	62.70	2	-7.993E+00	6.315E-01	-1.945E-01	-7.280E+03	-7.338E+03	-8.342E+02	6.359E-01	-7.998E+00	1.593E+00	-6.474E+03	-8.143E+03	-7.680E-01
420	1	35977.73	-146.95	62.70	1	-4.463E+00	-3.830E+00	-5.874E+00	3.774E+03	4.128E+03	1.970E+03	1.736E+00	-1.003E+01	2.329E+00	5.929E+03	1.973E+03	8.302E-01
420	1	35977.73	-146.95	62.70	2	4.508E+00	-1.658E+00	4.188E+00	9.109E+02	-6.871E+02	1.816E+02	6.626E+00	-3.776E+00	4.681E-01	9.312E+02	-7.075E+02	1.117E-01
420	2	35987.23	-136.45	62.70	1	-2.209E+00	-2.895E+00	-4.756E+00	1.669E+02	-5.866E+03	2.522E+03	2.216E+00	-7.320E+00	-7.494E-01	1.082E+03	-6.781E+03	3.482E-01
420	2	35987.23	-136.45	62.70	2	1.579E+00	-5.049E-01	3.733E+00	8.825E+02	-6.382E+03	8.516E+02	4.413E+00	-3.339E+00	6.493E-01	9.810E+02	-6.481E+03	1.152E-01
420	3	35977.73	-125.95	62.70	1	9.872E-01	-5.150E+00	-4.832E+00	2.012E+03	-1.326E+04	8.301E+02	3.642E+00	-7.806E+00	-5.025E-01	2.057E+03	-1.331E+04	5.414E-02
420	3	35977.73	-125.95	62.70	2	-1.068E+00	-3.074E-01	4.500E+00	2.136E+03	-1.060E+04	-3.818E+02	3.829E+00	-5.204E+00	8.275E-01	2.148E+03	-1.061E+04	-2.995E-02
420	4	35968.23	-136.45	62.70	1	-1.267E+00	-6.085E+00	-5.950E+00	5.755E+03	-3.373E+03	2.500E+03	2.743E+00	-1.010E+01	-5.930E-01	6.395E+03	-4.013E+03	2.506E-01
420	4	35968.23	-136.45	62.70	2	1.862E+00	-1.461E+00	4.955E+00	2.660E+03	-5.280E+03	-3.217E+02	5.427E+00	-5.026E+00	6.237E-01	2.673E+03	-5.293E+03	-4.043E-02
421	1	35776.73	-60.35	62.70	1	-2.853E+00	7.414E-01	5.403E-01	-3.971E+04	-6.195E+02	-1.480E+03	8.209E-01	-2.933E+00	1.425E+00	-5.635E+02	-3.976E+04	1.609E+00
421	1	35776.73	-60.35	62.70	2	-3.987E-01	-6.378E-01	-5.482E-01	-4.034E+04	-4.028E+02	-4.337E+03	4.282E-02	-1.079E+00	-6.780E-01	6.273E+01	-4.080E+04	1.678E+00
421	2	35786.23	-100.58	62.70	1	-2.468E+00	1.380E+00	1.133E+00	-2.531E+04	-3.959E+03	1.919E+03	1.689E+00	-2.777E+00	1.305E+00	-3.788E+03	-2.548E+04	1.482E+00
421	2	35786.23	-100.58	62.70	2	-7.222E-01	-1.139E+00	-1.052E+00	-2.634E+04	-3.679E+03	-1.708E+03	1.417E-01	-2.003E+00	-6.876E-01	-3.551E+03	-2.647E+04	1.646E+00
421	3	35795.73	-60.35	62.70	1	-2.215E+00	4.543E-01	5.092E-01	-3.950E+04	-1.277E+03	2.300E+03	5.482E-01	-2.309E+00	1.389E+00	-1.140E+03	-3.964E+04	1.511E+00
421	3	35795.73	-60.35	62.70	2	-9.408E-01	-3.941E-01	-5.234E-01	-4.039E+04	-1.515E+03	-5.600E+02	-7.698E-02	-1.258E+00	2.116E+00	-1.507E+03	-4.040E+04	1.585E+00
421	4	35786.23	-20.12	62.70	1	-2.600E+00	-1.846E-01	-8.326E-02	-5.401E+04	9.607E+02	2.041E+03	-1.817E-01	-2.603E+00	1.605E+00	1.036E+03	-5.408E+04	1.534E+00
421	4	35786.23	-20.12	62.70	2	-6.173E-01	1.072E-01	-1.972E-02	-5.449E+04	6.412E+02	-1.003E+03	1.077E-01	-6.179E-01	1.598E+00	6.594E+02	-5.451E+04	1.589E+00
422	1	35814.07	-60.35	62.70	1	-1.967E+00	2.104E+00	6.380E-01	-4.071E+04	-5.220E+03	2.597E+03	2.202E+00	-2.065E+00	1.419E+00	-5.031E+03	-4.090E+04	1.498E+00
422	1	35814.07	-60.35	62.70	2	-1.188E+00	-2.041E+00	-2.964E-01	-4.117E+04	-2.602E+03	1.622E+02	-1.095E+00	-2.134E+00	-3.035E-01	-2.602E+03	-4.117E+04	1.567E+00
422	2	35841.23	-100.58	62.70	1	-2.185E+00	4.307E+00	9.411E-01	-1.966E+04	-1.838E+04	3.072E+03	4.440E+00	-2.319E+00	1.430E+00	-1.588E+04	-2.216E+04	8.880E-01

422	2	35841.23	-100.58	62.70	2	-4.089E-01	-4.285E+00	-2.710E-01	-2.001E+04	-1.356E+04	1.226E+03	-3.901E-01	-4.304E+00	-6.947E-02	-1.333E+04	-2.024E+04	1.389E+00
422	3	35868.40	-60.35	62.70	1	-1.708E+00	2.012E+00	1.107E+00	-3.856E+04	-2.200E+04	1.673E+03	2.316E+00	-2.013E+00	1.302E+00	-2.184E+04	-3.873E+04	1.471E+00
422	3	35868.40	-60.35	62.70	2	-2.725E-01	-2.369E+00	-7.303E-01	-3.979E+04	-2.026E+04	1.112E+03	-4.320E-02	-2.598E+00	-3.043E-01	-2.020E+04	-3.985E+04	1.514E+00
422	4	35841.23	-20.12	62.70	1	-1.490E+00	-1.904E-01	8.041E-01	-5.696E+04	-1.692E+04	2.489E+03	1.936E-01	-1.874E+00	1.125E+00	-1.677E+04	-5.711E+04	1.509E+00
422	4	35841.23	-20.12	62.70	2	-1.052E+00	-1.255E-01	-7.557E-01	-5.845E+04	-1.692E+04	1.224E+03	2.977E-01	-1.475E+00	2.081E+00	-1.689E+04	-5.848E+04	1.541E+00
423	1	35895.57	-60.35	62.70	1	-1.709E+00	2.006E+00	-1.109E+00	-3.856E+04	-2.202E+04	1.673E+03	2.312E+00	-2.015E+00	1.840E+00	-2.186E+04	-3.873E+04	1.471E+00
423	1	35895.57	-60.35	62.70	2	-2.734E-01	-2.374E+00	7.289E-01	-3.979E+04	-2.025E+04	1.122E+03	-4.529E-02	-2.602E+00	3.033E-01	-2.018E+04	-3.985E+04	1.514E+00
423	2	35922.73	-100.58	62.70	1	-2.206E+00	4.309E+00	-9.528E-01	-1.965E+04	-1.842E+04	-3.055E+03	4.445E+00	-2.342E+00	1.713E+00	-1.592E+04	-2.215E+04	2.257E+00
423	2	35922.73	-100.58	62.70	2	-4.294E-01	-4.283E+00	2.593E-01	-2.000E+04	-1.351E+04	-1.220E+03	-4.120E-01	-4.300E+00	6.690E-02	-1.329E+04	-2.022E+04	1.751E+00
423	3	35949.90	-60.35	62.70	1	-2.007E+00	2.113E+00	-6.393E-01	-4.069E+04	-5.239E+03	-2.613E+03	2.210E+00	-2.104E+00	1.721E+00	-5.048E+03	-4.088E+04	1.644E+00
423	3	35949.90	-60.35	62.70	2	-1.228E+00	-2.033E+00	2.951E-01	-4.116E+04	-2.570E+03	-1.536E+02	-1.131E+00	-2.130E+00	3.162E-01	-2.570E+03	-4.116E+04	1.575E+00
423	4	35922.73	-20.12	62.70	1	-1.511E+00	-1.898E-01	-7.951E-01	-5.695E+04	-1.692E+04	1.223E+03	1.834E-01	-1.884E+00	2.010E+00	-1.688E+04	-5.699E+04	1.540E+00
423	4	35922.73	-20.12	62.70	2	-1.072E+00	-1.249E-01	7.646E-01	-5.845E+04	-1.692E+04	2.492E+03	3.010E-01	-1.498E+00	1.063E+00	-1.677E+04	-5.860E+04	1.511E+00
424	1	35968.23	-60.35	62.70	1	-2.256E+00	4.538E-01	-5.054E-01	-3.948E+04	-1.277E+03	-2.314E+03	5.450E-01	-2.347E+00	1.749E+00	-1.138E+03	-3.962E+04	1.631E+00
424	1	35968.23	-60.35	62.70	2	-9.820E-01	-3.946E-01	5.273E-01	-4.039E+04	-1.516E+03	5.824E+02	-8.471E-02	-1.292E+00	1.039E+00	-1.508E+03	-4.040E+04	1.556E+00
424	2	35977.73	-100.58	62.70	1	-2.513E+00	1.383E+00	-1.137E+00	-2.527E+04	-3.967E+03	-1.945E+03	1.690E+00	-2.821E+00	1.835E+00	-3.791E+03	-2.545E+04	1.661E+00
424	2	35977.73	-100.58	62.70	2	-7.675E-01	-1.137E+00	1.048E+00	-2.633E+04	-3.671E+03	1.736E+03	1.117E-01	-2.016E+00	6.982E-01	-3.539E+03	-2.646E+04	1.495E+00
424	3	35987.23	-60.35	62.70	1	-2.903E+00	7.448E-01	-5.365E-01	-3.969E+04	-6.190E+02	1.468E+03	8.220E-01	-2.980E+00	1.714E+00	-5.639E+02	-3.974E+04	1.533E+00
424	3	35987.23	-60.35	62.70	2	-4.484E-01	-6.345E-01	5.520E-01	-4.033E+04	-3.961E+02	4.361E+03	1.836E-02	-1.101E+00	7.019E-01	7.473E+01	-4.080E+04	1.463E+00
424	4	35977.73	-20.12	62.70	1	-2.645E+00	-1.842E-01	9.515E-02	-5.400E+04	9.690E+02	-1.022E+03	-1.805E-01	-2.649E+00	1.532E+00	9.880E+02	-5.402E+04	1.589E+00
424	4	35977.73	-20.12	62.70	2	-6.628E-01	1.076E-01	3.167E-02	-5.449E+04	6.399E+02	2.063E+03	1.089E-01	-6.641E-01	1.530E+00	7.170E+02	-5.457E+04	1.533E+00
425	1	35776.73	60.35	62.70	1	-4.435E-01	-6.364E-01	5.484E-01	-4.031E+04	-4.022E+02	4.337E+03	1.684E-02	-1.097E+00	6.984E-01	6.377E+01	-4.078E+04	1.464E+00
425	1	35776.73	60.35	62.70	2	-2.809E+00	7.399E-01	-5.405E-01	-3.973E+04	-6.201E+02	1.479E+03	8.204E-01	-2.889E+00	1.719E+00	-5.642E+02	-3.979E+04	1.533E+00
425	2	35786.23	20.12	62.70	1	-6.616E-01	1.061E-01	2.130E-02	-5.447E+04	6.414E+02	2.041E+03	1.067E-01	-6.622E-01	1.543E+00	7.169E+02	-5.454E+04	1.534E+00
425	2	35786.23	20.12	62.70	2	-2.556E+00	-1.836E-01	8.168E-02	-5.403E+04	9.605E+02	-1.003E+03	-1.808E-01	-2.558E+00	1.536E+00	9.788E+02	-5.405E+04	1.589E+00
425	3	35795.73	60.35	62.70	1	-9.842E-01	-3.933E-01	5.237E-01	-4.037E+04	-1.515E+03	5.603E+02	-8.750E-02	-1.290E+00	1.042E+00	-1.507E+03	-4.038E+04	1.556E+00
425	3	35795.73	60.35	62.70	2	-2.171E+00	4.535E-01	-5.095E-01	-3.953E+04	-1.277E+03	-2.300E+03	5.489E-01	-2.267E+00	1.756E+00	-1.140E+03	-3.966E+04	1.631E+00
425	4	35786.23	100.58	62.70	1	-7.661E-01	-1.136E+00	1.051E+00	-2.632E+04	-3.678E+03	1.709E+03	1.159E-01	-2.018E+00	6.983E-01	-3.550E+03	-2.644E+04	1.496E+00
425	4	35786.23	100.58	62.70	2	-2.424E+00	1.377E+00	-1.132E+00	-2.533E+04	-3.960E+03	-1.920E+03	1.688E+00	-2.736E+00	1.839E+00	-3.789E+03	-2.550E+04	1.660E+00
426	1	35814.07	60.35	62.70	1	-1.231E+00	-2.040E+00	2.917E-01	-4.115E+04	-2.602E+03	-1.624E+02	-1.137E+00	-2.135E+00	3.124E-01	-2.601E+03	-4.115E+04	1.575E+00
426	1	35814.07	60.35	62.70	2	-1.924E+00	2.103E+00	-6.334E-01	-4.073E+04	-5.221E+03	-2.597E+03	2.201E+00	-2.021E+00	1.723E+00	-5.032E+03	-4.092E+04	1.643E+00
426	2	35841.23	20.12	62.70	1	-1.086E+00	-1.297E-01	7.551E-01	-5.842E+04	-1.692E+04	2.488E+03	2.859E-01	-1.502E+00	1.068E+00	-1.677E+04	-5.857E+04	1.511E+00
426	2	35841.23	20.12	62.70	2	-1.456E+00	-1.861E-01	-8.035E-01	-5.698E+04	-1.692E+04	1.225E+03	2.031E-01	-1.845E+00	2.022E+00	-1.688E+04	-5.702E+04	1.540E+00
426	3	35868.40	60.35	62.70	1	-2.994E-01	-2.374E+00	7.251E-01	-3.976E+04	-2.026E+04	-1.112E+03	-7.099E-02	-2.602E+00	3.051E-01	-2.020E+04	-3.983E+04	1.628E+00
426	3	35868.40	60.35	62.70	2	-1.681E+00	2.017E+00	-1.102E+00	-3.859E+04	-2.200E+04	-1.672E+03	2.320E+00	-1.985E+00	1.840E+00	-2.183E+04	-3.875E+04	1.670E+00
426	4	35841.23	100.58	62.70	1	-4.444E-01	-4.284E+00	2.618E-01	-1.999E+04	-1.356E+04	-1.226E+03	-4.266E-01	-4.302E+00	6.775E-02	-1.333E+04	-2.021E+04	1.753E+00
426	4	35841.23	100.58	62.70	2	-2.150E+00	4.306E+00	-9.319E-01	-1.968E+04	-1.838E+04	-3.072E+03	4.438E+00	-2.282E+00	1.711E+00	-1.589E+04	-2.217E+04	2.252E+00
427	1	35895.57	60.35	62.70	1	-3.002E-01	-2.379E+00	-7.237E-01	-3.976E+04	-2.025E+04	-1.122E+03	-7.308E-02	-2.606E+00	-3.041E-01	-2.019E+04	-3.983E+04	1.628E+00
427	1	35895.57	60.35	62.70	2	-1.682E+00	2.011E+00	1.103E+00	-3.859E+04	-2.202E+04	-1.672E+03	2.316E+00	-1.987E+00	1.301E+00	-2.185E+04	-3.876E+04	1.670E+00
427	2	35922.73	20.12	62.70	1	-1.106E+00	-1.292E-01	-7.641E-01	-5.843E+04	-1.692E+04	1.223E+03	2.892E-01	-1.525E+00	2.072E+00	-1.688E+04	-5.846E+04	1.541E+00
427	2	35922.73	20.12	62.70	2	-1.476E+00	-1.855E-01	7.946E-01	-5.697E+04	-1.692E+04	2.492E+03	1.928E-01	-1.854E+00	1.126E+00	-1.676E+04	-5.713E+04	1.509E+00
427	3	35949.90	60.35	62.70	1	-1.271E+00	-2.032E+00	-2.905E-01	-4.114E+04	-2.570E+03	1.538E+02	-1.173E+00	-2.130E+00	-3.259E-01	-2.569E+03	-4.114E+04	1.567E+00
427	3	35949.90	60.35	62.70	2	-1.964E+00	2.112E+00	6.347E-01	-4.072E+04	-5.240E+03	2.613E+03	2.208E+00	-2.060E+00	1.420E+00	-5.049E+03	-4.091E+04	1.498E+00

427	4	35922.73	100.58	62.70	1	-4.648E-01	-4.282E+00	-2.501E-01	-1.997E+04	-1.351E+04	1.220E+03	-4.484E-01	-4.299E+00	-6.515E-02	-1.329E+04	-2.019E+04	1.390E+00
427	4	35922.73	100.58	62.70	2	-2.170E+00	4.308E+00	9.436E-01	-1.968E+04	-1.842E+04	3.055E+03	4.443E+00	-2.305E+00	1.429E+00	-1.593E+04	-2.217E+04	8.864E-01
428	1	35968.23	60.35	62.70	1	-1.025E+00	-3.938E-01	-5.275E-01	-4.036E+04	-1.516E+03	-5.828E+02	-9.470E-02	-1.324E+00	2.087E+00	-1.508E+03	-4.037E+04	1.586E+00
428	1	35968.23	60.35	62.70	2	-2.213E+00	4.530E-01	5.056E-01	-3.950E+04	-1.277E+03	2.314E+03	5.456E-01	-2.305E+00	1.389E+00	-1.138E+03	-3.964E+04	1.511E+00
428	2	35977.73	20.12	62.70	1	-7.069E-01	1.065E-01	-3.320E-02	-5.446E+04	6.401E+02	-1.022E+03	1.079E-01	-7.083E-01	1.612E+00	6.591E+02	-5.448E+04	1.589E+00
428	2	35977.73	20.12	62.70	2	-2.601E+00	-1.832E-01	-9.362E-02	-5.402E+04	9.687E+02	2.063E+03	-1.796E-01	-2.605E+00	1.609E+00	1.046E+03	-5.410E+04	1.533E+00
428	3	35987.23	60.35	62.70	1	-4.930E-01	-6.331E-01	-5.522E-01	-4.030E+04	-3.954E+02	-4.362E+03	-6.439E-03	-1.120E+00	-7.223E-01	7.584E+01	-4.077E+04	1.678E+00
428	3	35987.23	60.35	62.70	2	-2.858E+00	7.433E-01	5.367E-01	-3.971E+04	-6.197E+02	-1.467E+03	8.216E-01	-2.937E+00	1.426E+00	-5.647E+02	-3.977E+04	1.608E+00
428	4	35977.73	100.58	62.70	1	-8.113E-01	-1.133E+00	-1.046E+00	-2.631E+04	-3.670E+03	-1.737E+03	8.649E-02	-2.031E+00	-7.090E-01	-3.537E+03	-2.644E+04	1.647E+00
428	4	35977.73	100.58	62.70	2	-2.470E+00	1.379E+00	1.136E+00	-2.530E+04	-3.968E+03	1.946E+03	1.690E+00	-2.780E+00	1.304E+00	-3.792E+03	-2.547E+04	1.481E+00
429	1	35786.23	125.95	62.70	1	-1.068E+00	-3.149E-01	4.507E+00	2.131E+03	-1.063E+04	-3.691E+02	3.831E+00	-5.214E+00	8.271E-01	2.142E+03	-1.064E+04	-2.888E-02
429	1	35786.23	125.95	62.70	2	9.889E-01	-5.012E+00	-4.816E+00	2.002E+03	-1.331E+04	8.271E+02	3.663E+00	-7.686E+00	-5.068E-01	2.046E+03	-1.335E+04	5.382E-02
429	2	35795.73	136.45	62.70	1	1.866E+00	-1.479E+00	4.959E+00	2.689E+03	-5.275E+03	-2.883E+02	5.427E+00	-5.040E+00	6.228E-01	2.700E+03	-5.286E+03	-3.614E-02
429	2	35795.73	136.45	62.70	2	-1.278E+00	-5.901E+00	-5.920E+00	5.707E+03	-3.479E+03	2.484E+03	2.765E+00	-9.945E+00	-5.993E-01	6.336E+03	-4.108E+03	2.479E-01
429	3	35786.23	146.95	62.70	1	4.511E+00	-1.666E+00	4.188E+00	9.408E+02	-6.538E+02	1.979E+02	6.626E+00	-3.782E+00	4.677E-01	9.650E+02	-6.780E+02	1.217E-01
429	3	35786.23	146.95	62.70	2	-4.462E+00	-3.691E+00	-5.829E+00	3.738E+03	4.009E+03	1.948E+03	1.765E+00	-9.918E+00	2.323E+00	5.826E+03	1.921E+03	8.201E-01
429	4	35776.73	136.45	62.70	1	1.577E+00	-5.025E-01	3.736E+00	8.765E+02	-6.388E+03	8.703E+02	4.416E+00	-3.341E+00	6.497E-01	9.793E+02	-6.490E+03	1.176E-01
429	4	35776.73	136.45	62.70	2	-2.194E+00	-2.802E+00	-4.725E+00	1.824E+02	-5.934E+03	2.515E+03	2.237E+00	-7.233E+00	-7.533E-01	1.084E+03	-6.835E+03	3.441E-01
430	1	35841.23	125.95	62.70	1	-4.608E+00	-2.600E+00	3.545E+00	-3.896E+03	-1.067E+04	1.940E+03	8.009E-02	-7.288E+00	9.234E-01	-3.380E+03	-1.119E+04	2.601E-01
430	1	35841.23	125.95	62.70	2	4.480E+00	-9.939E-01	-2.142E+00	-4.959E+03	-7.523E+03	2.080E+03	5.218E+00	-1.732E+00	-3.320E-01	-3.798E+03	-8.684E+03	5.092E-01
430	2	35868.40	136.45	62.70	1	-7.991E+00	6.352E-01	-1.783E-01	-7.274E+03	-7.333E+03	8.401E+02	6.389E-01	-7.995E+00	1.591E+00	-6.463E+03	-8.144E+03	7.678E-01
430	2	35868.40	136.45	62.70	2	7.925E+00	-3.959E-01	1.647E+00	-8.682E+03	-7.071E+03	4.694E+02	8.240E+00	-7.101E-01	1.885E-01	-6.944E+03	-8.808E+03	1.307E+00
430	3	35841.23	146.95	62.70	1	-1.138E+01	2.775E-01	3.544E+00	-2.498E+03	-1.387E+03	1.262E+03	1.271E+00	-1.237E+01	1.298E+00	-5.637E+02	-3.322E+03	9.927E-01
430	3	35841.23	146.95	62.70	2	1.137E+01	-3.923E+00	-2.142E+00	-5.885E+03	-3.175E+03	1.292E+03	1.166E+01	-4.218E+00	-1.366E-01	-2.657E+03	-6.403E+03	1.190E+00
430	4	35814.07	136.45	62.70	1	-7.993E+00	-2.958E+00	7.267E+00	8.783E+02	-6.890E+03	8.906E+02	2.215E+00	-1.317E+01	9.521E-01	9.791E+02	-6.991E+03	1.127E-01
430	4	35814.07	136.45	62.70	2	7.924E+00	-4.521E+00	-5.931E+00	-2.164E+03	-5.677E+03	3.275E+03	1.030E+01	-6.895E+00	-3.807E-01	-2.046E+02	-7.636E+03	5.393E-01
431	1	35922.73	125.95	62.70	1	-4.609E+00	-2.643E+00	-3.550E+00	-3.884E+03	-1.068E+04	-1.944E+03	5.800E-02	-7.310E+00	2.221E+00	-3.368E+03	-1.120E+04	-2.597E-01
431	1	35922.73	125.95	62.70	2	4.478E+00	-1.037E+00	2.136E+00	-4.965E+03	-7.466E+03	-2.063E+03	5.209E+00	-1.767E+00	3.295E-01	-3.803E+03	-8.628E+03	-5.129E-01
431	2	35949.90	136.45	62.70	1	-7.996E+00	-3.041E+00	-7.275E+00	9.277E+02	-6.855E+02	-8.645E+02	2.166E+00	-1.320E+01	2.192E+00	1.023E+03	-6.950E+03	-1.093E-01
431	2	35949.90	136.45	62.70	2	7.920E+00	-4.605E+00	5.923E+00	-2.203E+03	-5.611E+03	-3.285E+03	1.028E+01	-6.963E+00	3.788E-01	-2.064E+02	-7.608E+03	-5.462E-01
431	3	35922.73	146.95	62.70	1	-1.138E+01	2.363E-01	-3.550E+00	-2.466E+03	-1.338E+03	-1.256E+03	1.235E+00	-1.238E+01	1.845E+00	-5.256E+02	-3.279E+03	2.145E+00
431	3	35922.73	146.95	62.70	2	1.136E+01	-3.965E+00	2.136E+00	-5.918E+03	-3.179E+03	-1.262E+03	1.166E+01	-4.257E+00	1.359E-01	-2.686E+03	-6.411E+03	1.943E+00
431	4	35895.57	136.45	62.70	1	-7.994E+00	6.347E-01	1.746E-01	-7.280E+03	-7.326E+03	8.332E+02	6.382E-01	-7.998E+00	1.551E+00	-6.469E+03	-8.136E+03	7.716E-01
431	4	35895.57	136.45	62.70	2	7.922E+00	-3.964E-01	-1.651E+00	-8.681E+03	-7.076E+03	4.494E+02	8.238E+00	-7.121E-01	-1.890E-01	-6.959E+03	-8.798E+03	1.315E+00
432	1	35977.73	125.95	62.70	1	-1.069E+00	-3.802E-01	-4.496E+00	2.141E+03	-1.057E+04	3.832E+02	3.785E+00	-5.234E+00	2.318E+00	2.152E+03	-1.058E+04	3.012E-02
432	1	35977.73	125.95	62.70	2	9.883E-01	-5.077E+00	4.828E+00	2.007E+03	-1.329E+04	-8.315E+02	3.657E+00	-7.746E+00	5.049E-01	2.052E+03	-1.334E+04	-5.414E-02
432	2	35987.23	136.45	62.70	1	1.571E+00	-5.502E-01	-3.719E+00	8.789E+02	-6.356E+03	-8.504E+02	4.378E+00	-3.357E+00	-6.465E-01	9.775E+02	-6.454E+03	-1.155E-01
432	2	35987.23	136.45	62.70	2	-2.201E+00	-2.850E+00	4.742E+00	1.705E+02	-5.892E+03	-2.523E+03	2.228E+00	-7.278E+00	7.512E-01	1.083E+03	-6.805E+03	-3.470E-01
432	3	35977.73	146.95	62.70	1	4.509E+00	-1.731E+00	-4.166E+00	9.135E+02	-6.575E+02	-1.857E+02	6.593E+00	-3.816E+00	-4.640E-01	9.352E+02	-6.792E+02	-1.161E-01
432	3	35977.73	146.95	62.70	2	-4.464E+00	-3.757E+00	5.851E+00	3.772E+03	4.098E+03	-1.966E+03	1.752E+00	-9.972E+00	8.156E-01	5.907E+03	1.962E+03	2.315E+00
432	4	35968.23	136.45	62.70	1	1.870E+00	-1.561E+00	-4.942E+00	2.667E+03	-5.244E+03	3.238E+02	5.385E+00	-5.077E+00	-6.183E-01	2.680E+03	-5.257E+03	4.084E-02
432	4	35968.23	136.45	62.70	2	-1.275E+00	-5.984E+00	5.937E+00	5.749E+03	-3.409E+03	-2.503E+03	2.757E+00	-1.002E+01	5.966E-01	6.388E+03	-4.048E+03	-2.501E-01
433	1	35786.23	157.45	62.70	1	4.454E+00	-2.051E+00	-3.285E+00	1.568E+03	1.207E+03	7.538E+02	5.824E+00	-3.421E+00	-3.952E-01	2.162E+03	6.124E+02	6.681E-01

433	1	35786.23	157.45	62.70	2	-3.697E+00	1.410E+00	1.459E+00	4.200E+03	3.742E+03	2.632E+03	1.797E+00	-4.084E+00	1.311E+00	6.613E+03	1.329E+03	7.420E-01
433	2	35795.73	167.95	62.70	1	-4.657E-01	1.453E+00	-3.389E+00	2.661E+03	1.295E+03	8.345E+02	4.015E+00	-3.028E+00	2.218E+00	3.057E+03	8.998E+02	4.424E-01
433	2	35795.73	167.95	62.70	2	-4.610E-01	-1.977E-01	1.821E+00	4.804E+03	1.611E+03	7.565E+02	1.497E+00	-2.156E+00	8.215E-01	4.974E+03	1.440E+03	2.212E-01
433	3	35786.23	178.45	62.70	1	-3.913E+00	-2.386E-02	-1.658E+00	1.534E+03	6.329E+02	8.351E+02	5.872E-01	-4.524E+00	1.924E+00	2.032E+03	1.346E+02	5.380E-01
433	3	35786.23	178.45	62.70	2	2.250E+00	-3.101E-02	8.801E-01	2.148E+03	2.598E+02	1.395E+03	2.550E+00	-3.311E-01	3.286E-01	2.888E+03	-4.803E+02	4.879E-01
433	4	35776.73	167.95	62.70	1	1.006E+00	-3.527E+00	-1.555E+00	7.070E+01	8.266E+02	7.429E+02	1.488E+00	-4.009E+00	-3.006E-01	1.282E+03	-3.849E+02	1.021E+00
433	4	35776.73	167.95	62.70	2	-9.853E-01	1.576E+00	5.181E-01	7.724E+02	2.979E+03	1.715E+03	1.677E+00	-1.086E+00	1.379E+00	3.915E+03	-1.638E+02	1.071E+00
434	1	35841.23	157.45	62.70	1	-1.129E+01	8.188E-01	-1.422E+00	-2.249E+03	-2.573E+02	6.286E+02	9.835E-01	-1.146E+01	1.686E+00	-7.548E+01	-2.430E+03	1.289E+00
434	1	35841.23	157.45	62.70	2	1.187E+01	-5.598E-01	2.927E+00	-5.552E+03	-1.243E+03	1.158E+03	1.253E+01	-1.214E+00	2.200E-01	-9.514E+02	-5.844E+03	1.324E+00
434	2	35868.40	167.95	62.70	1	-1.022E+01	7.336E-01	-2.397E-01	-7.449E+03	-7.029E+02	-8.336E+01	7.389E-01	-1.022E+01	1.593E+00	-7.018E+02	-7.450E+03	1.583E+00
434	2	35868.40	167.95	62.70	2	1.113E+01	-2.025E+00	2.105E+00	-9.086E+03	-1.276E+03	2.827E+02	1.145E+01	-2.353E+00	1.549E-01	-1.266E+03	-9.096E+03	1.535E+00
434	3	35841.23	178.45	62.70	1	-9.145E+00	-9.533E-02	-1.422E+00	-2.525E+03	-4.087E+02	-2.037E+02	1.229E-01	-9.363E+00	1.723E+00	-3.893E+02	-2.545E+03	1.666E+00
434	3	35841.23	178.45	62.70	2	1.038E+01	7.566E-02	2.927E+00	-5.377E+03	-9.026E+01	4.777E+02	1.115E+01	-6.979E-01	2.584E-01	-4.744E+01	-5.420E+03	1.481E+00
434	4	35814.07	167.95	62.70	1	-1.022E+01	-1.020E-02	-2.605E+00	2.675E+03	-1.925E+02	3.624E+02	6.160E-01	-1.085E+01	1.807E+00	2.720E+03	-2.376E+02	1.238E-01
434	4	35814.07	167.95	62.70	2	1.113E+01	1.541E+00	3.749E+00	-1.844E+03	-5.511E+02	2.852E+02	1.242E+01	2.486E-01	3.319E-01	-4.909E+02	-1.904E+03	1.363E+00
435	1	35922.73	157.45	62.70	1	-1.129E+01	8.210E-01	1.417E+00	-2.223E+03	-2.521E+02	-6.116E+02	9.844E-01	-1.146E+01	1.456E+00	-7.768E+01	-2.397E+03	1.849E+00
435	1	35922.73	157.45	62.70	2	1.188E+01	-5.576E-01	-2.932E+00	-5.588E+03	-1.262E+03	-1.133E+03	1.253E+01	-1.214E+00	-2.204E-01	-9.832E+02	-5.867E+03	1.812E+00
435	2	35949.90	167.95	62.70	1	-1.022E+01	-7.262E-04	2.593E+00	2.725E+03	-1.984E+02	-3.599E+02	6.196E-01	-1.084E+01	1.336E+00	2.769E+03	-2.421E+02	-1.207E-01
435	2	35949.90	167.95	62.70	2	1.112E+01	1.550E+00	-3.760E+00	-1.923E+03	-5.702E+02	-2.632E+02	1.242E+01	2.497E-01	-3.329E-01	-5.208E+02	-1.973E+03	1.756E+00
435	3	35922.73	178.45	62.70	1	-9.154E+00	-8.866E-02	1.417E+00	-2.505E+03	-4.135E+02	2.215E+02	1.276E-01	-9.370E+00	1.419E+00	-3.903E+02	-2.528E+03	1.466E+00
435	3	35922.73	178.45	62.70	2	1.037E+01	8.236E-02	-2.933E+00	-5.413E+03	-9.665E+01	-4.603E+02	1.115E+01	-6.950E-01	-2.591E-01	-5.709E+01	-5.453E+03	1.657E+00
435	4	35895.57	167.95	62.70	1	-1.022E+01	7.330E-01	2.400E-01	-7.454E+03	-6.952E+02	-9.377E+01	7.383E-01	-1.023E+01	1.549E+00	-6.939E+02	-7.455E+03	1.585E+00
435	4	35895.57	167.95	62.70	2	1.112E+01	-2.025E+00	-2.105E+00	-9.078E+03	-1.288E+03	2.555E+02	1.145E+01	-2.354E+00	-1.549E-01	-1.280E+03	-9.087E+03	1.538E+00
436	1	35977.73	157.45	62.70	1	4.460E+00	-2.061E+00	3.306E+00	1.534E+03	1.178E+03	-7.412E+02	5.842E+00	-3.443E+00	3.962E-01	2.118E+03	5.935E+02	-6.675E-01
436	1	35977.73	157.45	62.70	2	-3.691E+00	1.400E+00	-1.439E+00	4.221E+03	3.751E+03	-2.652E+03	1.778E+00	-4.069E+00	1.828E+00	6.648E+03	1.324E+03	-7.412E-01
436	2	35987.23	167.95	62.70	1	1.004E+00	-3.550E+00	1.568E+00	6.582E+01	8.087E+02	-7.325E+02	1.491E+00	-4.037E+00	3.015E-01	1.259E+03	-3.840E+02	2.122E+00
436	2	35987.23	167.95	62.70	2	-9.873E-01	1.554E+00	-5.051E-01	7.817E+02	2.997E+03	-1.717E+03	1.651E+00	-1.084E+00	1.760E+00	3.933E+03	-1.537E+02	2.070E+00
436	3	35977.73	178.45	62.70	1	-3.932E+00	-2.772E-02	1.669E+00	1.521E+03	6.375E+02	-8.297E+02	5.885E-01	-4.549E+00	1.217E+00	2.019E+03	1.393E+02	-5.407E-01
436	3	35977.73	178.45	62.70	2	2.231E+00	-3.488E-02	-8.693E-01	2.129E+03	2.498E+02	-1.391E+03	2.526E+00	-3.300E-01	-3.273E-01	2.868E+03	-4.895E+02	-4.884E-01
436	4	35968.23	167.95	62.70	1	-4.767E-01	1.461E+00	3.407E+00	2.625E+03	1.284E+03	-8.162E+02	4.034E+00	-3.050E+00	9.240E-01	3.011E+03	8.983E+02	-4.415E-01
436	4	35968.23	167.95	62.70	2	-4.723E-01	-1.893E-01	-1.803E+00	4.797E+03	1.592E+03	-7.551E+02	1.478E+00	-2.139E+00	2.317E+00	4.966E+03	1.423E+03	-2.202E-01
437	1	38339.73	-167.95	65.25	1	-8.529E-08	-5.686E-07	-1.388E-17	1.807E+03	3.463E+02	1.247E+03	-8.529E-08	-5.686E-07	-2.871E-11	2.522E+03	-3.688E+02	5.205E-01
437	1	38339.73	-167.95	65.25	2	-8.392E-08	-5.595E-07	4.163E-17	1.807E+03	3.463E+02	1.247E+03	-8.392E-08	-5.595E-07	8.755E-11	2.522E+03	-3.688E+02	5.205E-01
437	2	38349.23	-178.45	65.25	1	6.939E-17	6.939E-17	2.186E-07	5.099E+02	2.045E+03	1.153E+03	2.186E-07	-2.186E-07	7.854E-01	2.663E+03	-1.079E+02	1.079E+00
437	2	38349.23	-178.45	65.25	2	9.714E-17	9.714E-17	2.151E-07	5.099E+02	2.045E+03	1.153E+03	2.151E-07	-2.151E-07	7.854E-01	2.663E+03	-1.079E+02	1.079E+00
437	3	38358.73	-167.95	65.25	1	8.529E-08	5.686E-07	2.676E-14	1.716E+03	4.083E+03	8.664E+02	5.686E-07	8.529E-08	1.571E+00	4.366E+03	1.433E+03	1.255E+00
437	3	38358.73	-167.95	65.25	2	8.392E-08	5.595E-07	2.642E-14	1.716E+03	4.083E+03	8.665E+02	5.595E-07	8.392E-08	1.571E+00	4.367E+03	1.433E+03	1.255E+00
437	4	38349.23	-157.45	65.25	1	1.023E-15	1.023E-15	-2.186E-07	2.553E+03	2.988E+03	1.535E+03	2.186E-07	-2.186E-07	-7.854E-01	4.320E+03	1.221E+03	8.559E-01
437	4	38349.23	-157.45	65.25	2	1.051E-15	1.051E-15	-2.151E-07	2.553E+03	2.989E+03	1.535E+03	2.151E-07	-2.151E-07	-7.854E-01	4.321E+03	1.221E+03	8.559E-01
438	1	38377.06	-167.95	65.25	1	-2.983E-08	-1.988E-07	2.845E-16	-1.808E+02	6.766E+02	4.223E+02	-2.983E-08	-1.988E-07	1.683E-09	8.497E+02	-3.539E+02	1.182E+00
438	1	38377.06	-167.95	65.25	2	-2.935E-08	-1.956E-07	2.706E-16	-1.808E+02	6.767E+02	4.224E+02	-2.935E-08	-1.956E-07	1.627E-09	8.499E+02	-3.539E+02	1.182E+00
438	2	38404.23	-178.45	65.25	1	1.804E-15	1.804E-15	2.186E-07	-2.896E+02	-3.956E+03	2.745E+02	2.186E-07	-2.186E-07	7.854E-01	-2.691E+02	-3.977E+03	7.431E-02
438	2	38404.23	-178.45	65.25	2	1.749E-15	1.749E-15	2.151E-07	-2.895E+02	-3.956E+03	2.746E+02	2.151E-07	-2.151E-07	7.854E-01	-2.691E+02	-3.977E+03	7.434E-02



438	3	38431.40	-167.95	65.25	1	2.983E-08	1.988E-07	6.745E-15	-1.248E+03	-8.512E+03	-1.569E+02	1.988E-07	2.983E-08	1.571E+00	-1.245E+03	-8.516E+03	-2.159E-02
438	3	38431.40	-167.95	65.25	2	2.935E-08	1.956E-07	6.606E-15	-1.248E+03	-8.513E+03	-1.568E+02	1.956E-07	2.935E-08	1.571E+00	-1.245E+03	-8.516E+03	-2.157E-02
438	4	38404.23	-157.45	65.25	1	1.457E-15	1.457E-15	-2.186E-07	-7.686E+02	-3.879E+03	1.172E+03	2.186E-07	-2.186E-07	-7.854E-01	-3.762E+02	-4.272E+03	3.230E-01
438	4	38404.23	-157.45	65.25	2	1.506E-15	1.506E-15	-2.151E-07	-7.686E+02	-3.879E+03	1.173E+03	2.151E-07	-2.151E-07	-7.854E-01	-3.761E+02	-4.272E+03	3.230E-01
439	1	38458.57	-167.95	65.25	1	-2.983E-08	-1.988E-07	1.048E-15	-1.248E+03	-8.512E+03	-1.569E+02	-2.983E-08	-1.988E-07	6.199E-09	-1.245E+03	-8.516E+03	-2.159E-02
439	1	38458.57	-167.95	65.25	2	-2.935E-08	-1.956E-07	1.055E-15	-1.248E+03	-8.513E+03	-1.568E+02	-2.935E-08	-1.956E-07	6.342E-09	-1.245E+03	-8.516E+03	-2.157E-02
439	2	38485.73	-178.45	65.25	1	1.241E-15	1.241E-15	2.186E-07	-2.895E+02	-3.956E+03	-2.746E+02	2.186E-07	-2.186E-07	7.854E-01	-2.691E+02	-3.977E+03	-7.434E-02
439	2	38485.73	-178.45	65.25	2	1.262E-15	1.262E-15	2.151E-07	-2.896E+02	-3.956E+03	-2.745E+02	2.151E-07	-2.151E-07	7.854E-01	-2.691E+02	-3.977E+03	-7.431E-02
439	3	38512.90	-167.95	65.25	1	2.983E-08	1.988E-07	7.987E-15	-1.808E+02	6.767E+02	-4.224E+02	1.988E-07	2.983E-08	1.571E+00	8.499E+02	-3.539E+02	1.960E+00
439	3	38512.90	-167.95	65.25	2	2.935E-08	1.956E-07	7.952E-15	-1.808E+02	6.766E+02	-4.223E+02	1.956E-07	2.935E-08	1.571E+00	8.497E+02	-3.539E+02	1.960E+00
439	4	38485.73	-157.45	65.25	1	1.631E-16	1.631E-16	-2.186E-07	-7.686E+02	-3.879E+03	-1.173E+03	2.186E-07	-2.186E-07	-7.854E-01	-3.761E+02	-4.272E+03	-3.230E-01
439	4	38485.73	-157.45	65.25	2	1.787E-16	1.787E-16	-2.151E-07	-7.686E+02	-3.879E+03	-1.173E+03	2.151E-07	-2.151E-07	-7.854E-01	-3.762E+02	-4.272E+03	-3.230E-01
440	1	38531.23	-167.95	65.25	1	-8.529E-08	-5.686E-07	4.996E-16	1.716E+03	4.083E+03	-8.664E+02	-8.529E-08	-5.686E-07	1.034E-09	4.366E+03	1.433E+03	1.887E+00
440	1	38531.23	-167.95	65.25	2	-8.392E-08	-5.595E-07	5.551E-16	1.716E+03	4.083E+03	-8.664E+02	-8.392E-08	-5.595E-07	1.167E-09	4.366E+03	1.433E+03	1.887E+00
440	2	38540.73	-178.45	65.25	1	-3.294E-15	-3.294E-15	2.186E-07	5.099E+02	2.045E+03	-1.153E+03	2.186E-07	-2.186E-07	7.854E-01	2.663E+03	-1.079E+02	2.063E+00
440	2	38540.73	-178.45	65.25	2	-3.284E-15	-3.284E-15	2.151E-07	5.099E+02	2.045E+03	-1.153E+03	2.151E-07	-2.151E-07	7.854E-01	2.663E+03	-1.079E+02	2.063E+00
440	3	38550.23	-167.95	65.25	1	8.529E-08	5.686E-07	2.416E-14	1.807E+03	3.463E+02	-1.247E+03	5.686E-07	8.529E-08	1.571E+00	2.522E+03	-3.688E+02	-5.205E-01
440	3	38550.23	-167.95	65.25	2	8.392E-08	5.595E-07	2.374E-14	1.807E+03	3.463E+02	-1.247E+03	5.595E-07	8.392E-08	1.571E+00	2.522E+03	-3.688E+02	-5.205E-01
440	4	38540.73	-157.45	65.25	1	1.789E-16	1.789E-16	-2.186E-07	2.553E+03	2.989E+03	-1.535E+03	2.186E-07	-2.186E-07	-7.854E-01	4.321E+03	1.221E+03	2.286E+00
440	4	38540.73	-157.45	65.25	2	2.374E-16	2.374E-16	-2.151E-07	2.553E+03	2.988E+03	-1.535E+03	2.151E-07	-2.151E-07	-7.854E-01	4.321E+03	1.221E+03	2.286E+00
441	1	38349.23	-146.95	65.25	1	4.580E-16	2.193E-15	-2.186E-07	2.242E+03	6.154E+02	-9.194E+02	2.186E-07	-2.186E-07	-7.854E-01	2.656E+03	2.012E+02	-4.233E-01
441	1	38349.23	-146.95	65.25	2	4.857E-16	1.971E-15	-2.151E-07	2.242E+03	6.155E+02	-9.195E+02	2.151E-07	-2.151E-07	-7.854E-01	2.656E+03	2.013E+02	-4.233E-01
441	2	38358.73	-136.45	65.25	1	5.686E-07	8.529E-08	-2.787E-14	3.975E+03	-5.683E+03	-1.167E+03	5.686E-07	8.529E-08	-5.766E-08	4.114E+03	-5.822E+03	-1.186E-01
441	2	38358.73	-136.45	65.25	2	5.595E-07	8.392E-08	-2.742E-14	3.975E+03	-5.683E+03	-1.167E+03	5.595E-07	8.392E-08	-5.766E-08	4.114E+03	-5.822E+03	-1.186E-01
441	3	38349.23	-125.95	65.25	1	-3.740E-15	-3.740E-15	2.186E-07	1.910E+03	-1.304E+04	-2.771E+02	2.186E-07	-2.186E-07	7.854E-01	1.915E+03	-1.305E+04	-1.852E-02
441	3	38349.23	-125.95	65.25	2	-3.608E-15	-3.608E-15	2.151E-07	1.910E+03	-1.304E+04	-2.772E+02	2.151E-07	-2.151E-07	7.854E-01	1.915E+03	-1.305E+04	-1.853E-02
441	4	38339.73	-136.45	65.25	1	-5.686E-07	-8.529E-08	-5.989E-13	6.590E+02	-7.110E+03	-1.731E+03	-8.529E-08	-5.686E-07	1.571E+00	1.027E+03	-7.478E+03	-2.096E-01
441	4	38339.73	-136.45	65.25	2	-5.595E-07	-8.392E-08	-5.893E-13	6.590E+02	-7.110E+03	-1.731E+03	-8.392E-08	-5.595E-07	1.571E+00	1.027E+03	-7.479E+03	-2.097E-01
442	1	38404.23	-146.95	65.25	1	8.465E-16	-1.429E-15	-2.186E-07	-4.286E+03	-3.046E+03	-1.522E+03	2.186E-07	-2.186E-07	-7.854E-01	-2.022E+03	-5.310E+03	2.163E+00
442	1	38404.23	-146.95	65.25	2	8.743E-16	-1.374E-15	-2.151E-07	-4.286E+03	-3.046E+03	-1.522E+03	2.151E-07	-2.151E-07	-7.854E-01	-2.022E+03	-5.310E+03	2.163E+00
442	2	38431.40	-136.45	65.25	1	1.988E-07	2.983E-08	-6.960E-15	-7.972E+03	-7.642E+03	6.832E+02	1.988E-07	2.983E-08	-4.118E-08	-7.104E+03	-8.510E+03	9.041E-01
442	2	38431.40	-136.45	65.25	2	1.956E-07	2.935E-08	-6.863E-15	-7.973E+03	-7.642E+03	6.830E+02	1.956E-07	2.935E-08	-4.127E-08	-7.105E+03	-8.510E+03	9.041E-01
442	3	38404.23	-125.95	65.25	1	1.918E-15	1.918E-15	2.186E-07	-4.499E+03	-9.826E+03	-2.038E+03	2.186E-07	-2.186E-07	7.854E-01	-3.809E+03	-1.052E+04	-3.266E-01
442	3	38404.23	-125.95	65.25	2	1.814E-15	1.814E-15	2.151E-07	-4.499E+03	-9.826E+03	-2.038E+03	2.151E-07	-2.151E-07	7.854E-01	-3.809E+03	-1.052E+04	-3.266E-01
442	4	38377.06	-136.45	65.25	1	-1.988E-07	-2.983E-08	-4.878E-15	-8.147E+02	-7.590E+03	-2.141E+03	-2.983E-08	-1.988E-07	1.571E+00	-1.948E+02	-8.210E+03	-2.818E-01
442	4	38377.06	-136.45	65.25	2	-1.956E-07	-2.935E-08	-4.795E-15	-8.146E+02	-7.591E+03	-2.141E+03	-2.935E-08	-1.956E-07	1.571E+00	-1.947E+02	-8.211E+03	-2.818E-01
443	1	38485.73	-146.95	65.25	1	9.298E-16	-1.374E-15	-2.186E-07	-4.286E+03	-3.046E+03	1.522E+03	2.186E-07	-2.186E-07	-7.854E-01	-2.022E+03	-5.310E+03	9.788E-01
443	1	38485.73	-146.95	65.25	2	9.541E-16	-1.402E-15	-2.151E-07	-4.286E+03	-3.046E+03	1.522E+03	2.151E-07	-2.151E-07	-7.854E-01	-2.022E+03	-5.310E+03	9.789E-01
443	2	38512.90	-136.45	65.25	1	1.988E-07	2.983E-08	-7.862E-15	-8.146E+02	-7.590E+03	2.141E+03	1.988E-07	2.983E-08	-4.652E-08	-1.946E+02	-8.210E+03	2.818E-01
443	2	38512.90	-136.45	65.25	2	1.956E-07	2.935E-08	-7.716E-15	-8.147E+02	-7.591E+03	2.141E+03	1.956E-07	2.935E-08	-4.640E-08	-1.948E+02	-8.211E+03	2.818E-01
443	3	38485.73	-125.95	65.25	1	-8.275E-16	-8.275E-16	2.186E-07	-4.499E+03	-9.826E+03	2.038E+03	2.186E-07	-2.186E-07	7.854E-01	-3.809E+03	-1.052E+04	3.266E-01
443	3	38485.73	-125.95	65.25	2	-8.726E-16	-8.726E-16	2.151E-07	-4.499E+03	-9.826E+03	2.038E+03	2.151E-07	-2.151E-07	7.854E-01	-3.809E+03	-1.052E+04	3.266E-01
443	4	38458.57	-136.45	65.25	1	-1.988E-07	-2.983E-08	-6.266E-15	-7.972E+03	-7.642E+03	6.832E+02	-2.983E-08	-1.988E-07	1.571E+00	-7.104E+03	-8.510E+03	9.041E-01

443	4	38458.57	-136.45	65.25	2	-1.956E-07	-2.935E-08	-6.203E-15	-7.973E+03	-7.642E+03	6.830E+02	-2.935E-08	-1.956E-07	1.571E+00	-7.105E+03	-8.510E+03	9.041E-01
444	1	38540.73	-146.95	65.25	1	-6.267E-16	-8.427E-15	-2.186E-07	2.242E+03	6.155E+02	9.195E+02	2.186E-07	-2.186E-07	-7.854E-01	2.656E+03	2.013E+02	4.233E-01
444	1	38540.73	-146.95	65.25	2	-5.391E-16	-8.337E-15	-2.151E-07	2.242E+03	6.154E+02	9.194E+02	2.151E-07	-2.151E-07	-7.854E-01	2.656E+03	2.012E+02	4.233E-01
444	2	38550.23	-136.45	65.25	1	5.686E-07	8.529E-08	-2.787E-14	6.590E+02	-7.110E+03	1.731E+03	5.686E-07	8.529E-08	-5.767E-08	1.027E+03	-7.478E+03	2.096E-01
444	2	38550.23	-136.45	65.25	2	5.595E-07	8.392E-08	-2.739E-14	6.590E+02	-7.110E+03	1.731E+03	5.595E-07	8.392E-08	-5.759E-08	1.027E+03	-7.478E+03	2.096E-01
444	3	38540.73	-125.95	65.25	1	-4.908E-15	-4.908E-15	2.186E-07	1.910E+03	-1.304E+04	2.772E+02	2.186E-07	-2.186E-07	7.854E-01	1.915E+03	-1.305E+04	1.853E-02
444	3	38540.73	-125.95	65.25	2	-4.848E-15	-4.848E-15	2.151E-07	1.910E+03	-1.304E+04	2.771E+02	2.151E-07	-2.151E-07	7.854E-01	1.915E+03	-1.305E+04	1.853E-02
444	4	38531.23	-136.45	65.25	1	-5.686E-07	-8.529E-08	-2.791E-14	3.975E+03	-5.683E+03	1.167E+03	-8.529E-08	-5.686E-07	1.571E+00	4.114E+03	-5.822E+03	1.186E-01
444	4	38531.23	-136.45	65.25	2	-5.595E-07	-8.392E-08	-2.741E-14	3.975E+03	-5.683E+03	1.167E+03	-8.392E-08	-5.595E-07	1.571E+00	4.114E+03	-5.822E+03	1.186E-01
445	1	38339.73	-60.35	65.25	1	-4.265E-08	-2.843E-07	3.747E-15	-4.091E+04	-5.331E+02	-2.885E+03	-4.265E-08	-2.843E-07	1.551E-08	-3.280E+02	-4.111E+04	1.642E+00
445	1	38339.73	-60.35	65.25	2	-4.196E-08	-2.797E-07	3.747E-15	-4.091E+04	-5.331E+02	-2.884E+03	-4.196E-08	-2.797E-07	1.576E-08	-3.280E+02	-4.111E+04	1.642E+00
445	2	38349.23	-100.58	65.25	1	1.959E-15	1.959E-15	2.853E-08	-2.674E+04	-3.853E+03	1.367E+02	2.853E-08	-2.853E-08	7.854E-01	-3.852E+03	-2.674E+04	1.565E+00
445	2	38349.23	-100.58	65.25	2	1.922E-15	1.922E-15	2.807E-08	-2.674E+04	-3.852E+03	1.371E+02	2.807E-08	-2.807E-08	7.854E-01	-3.852E+03	-2.674E+04	1.565E+00
445	3	38358.73	-60.35	65.25	1	4.265E-08	2.843E-07	2.795E-14	-4.082E+04	-1.395E+03	8.797E+02	2.843E-07	4.265E-08	1.571E+00	-1.375E+03	-4.084E+04	1.548E+00
445	3	38358.73	-60.35	65.25	2	4.196E-08	2.797E-07	2.739E-14	-4.082E+04	-1.395E+03	8.802E+02	2.797E-07	4.196E-08	1.571E+00	-1.375E+03	-4.084E+04	1.548E+00
445	4	38349.23	-20.12	65.25	1	3.218E-15	3.218E-15	-2.853E-08	-5.510E+04	7.931E+02	5.148E+02	2.853E-08	-2.853E-08	-7.854E-01	7.978E+02	-5.510E+04	1.562E+00
445	4	38349.23	-20.12	65.25	2	3.201E-15	3.201E-15	-2.807E-08	-5.510E+04	7.930E+02	5.153E+02	2.807E-08	-2.807E-08	-7.854E-01	7.977E+02	-5.510E+04	1.562E+00
446	1	38377.06	-60.35	65.25	1	-1.491E-08	-9.942E-08	3.195E-15	-4.182E+04	-3.926E+03	1.387E+03	-1.491E-08	-9.942E-08	3.781E-08	-3.876E+03	-4.187E+04	1.534E+00
446	1	38377.06	-60.35	65.25	2	-1.467E-08	-9.782E-08	3.237E-15	-4.182E+04	-3.926E+03	1.388E+03	-1.467E-08	-9.782E-08	3.893E-08	-3.875E+03	-4.187E+04	1.534E+00
446	2	38404.23	-100.58	65.25	1	1.372E-15	1.372E-15	2.853E-08	-2.069E+04	-1.597E+04	2.144E+03	2.853E-08	-2.853E-08	7.854E-01	-1.514E+04	-2.152E+04	1.203E+00
446	2	38404.23	-100.58	65.25	2	1.330E-15	1.330E-15	2.807E-08	-2.069E+04	-1.597E+04	2.144E+03	2.807E-08	-2.807E-08	7.854E-01	-1.514E+04	-2.152E+04	1.202E+00
446	3	38431.40	-60.35	65.25	1	1.491E-08	9.942E-08	6.863E-15	-4.003E+04	-2.100E+04	-1.408E+03	9.942E-08	1.491E-08	1.571E+00	-2.090E+04	-4.013E+04	1.644E+00
446	3	38431.40	-60.35	65.25	2	1.467E-08	9.782E-08	6.835E-15	-4.003E+04	-2.100E+04	-1.408E+03	9.782E-08	1.467E-08	1.571E+00	-2.090E+04	-4.013E+04	1.644E+00
446	4	38404.23	-20.12	65.25	1	-1.095E-15	-1.095E-15	-2.853E-08	-5.855E+04	-1.690E+04	1.869E+03	2.853E-08	-2.853E-08	-7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
446	4	38404.23	-20.12	65.25	2	-1.126E-15	-1.126E-15	-2.807E-08	-5.855E+04	-1.690E+04	1.869E+03	2.807E-08	-2.807E-08	-7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
447	1	38458.57	-60.35	65.25	1	-1.491E-08	-9.942E-08	5.246E-15	-4.003E+04	-2.100E+04	-1.408E+03	-1.491E-08	-9.942E-08	6.207E-08	-2.090E+04	-4.013E+04	1.644E+00
447	1	38458.57	-60.35	65.25	2	-1.467E-08	-9.782E-08	5.114E-15	-4.003E+04	-2.100E+04	-1.408E+03	-1.467E-08	-9.782E-08	6.150E-08	-2.090E+04	-4.013E+04	1.644E+00
447	2	38485.73	-100.58	65.25	1	-2.125E-15	-2.125E-15	2.853E-08	-2.069E+04	-1.597E+04	-2.144E+03	2.853E-08	-2.853E-08	7.854E-01	-1.514E+04	-2.152E+04	1.939E+00
447	2	38485.73	-100.58	65.25	2	-2.150E-15	-2.150E-15	2.807E-08	-2.069E+04	-1.597E+04	-2.144E+03	2.807E-08	-2.807E-08	7.854E-01	-1.514E+04	-2.152E+04	1.939E+00
447	3	38512.90	-60.35	65.25	1	1.491E-08	9.942E-08	7.199E-15	-4.182E+04	-3.926E+03	-1.388E+03	9.942E-08	1.491E-08	1.571E+00	-3.876E+03	-4.187E+04	1.607E+00
447	3	38512.90	-60.35	65.25	2	1.467E-08	9.782E-08	7.012E-15	-4.182E+04	-3.926E+03	-1.387E+03	9.782E-08	1.467E-08	1.571E+00	-3.875E+03	-4.187E+04	1.607E+00
447	4	38485.73	-20.12	65.25	1	1.274E-15	1.274E-15	-2.853E-08	-5.855E+04	-1.690E+04	-1.869E+03	2.853E-08	-2.853E-08	-7.854E-01	-1.681E+04	-5.863E+04	1.616E+00
447	4	38485.73	-20.12	65.25	2	1.167E-15	1.167E-15	-2.807E-08	-5.855E+04	-1.690E+04	-1.869E+03	2.807E-08	-2.807E-08	-7.854E-01	-1.681E+04	-5.863E+04	1.616E+00
448	1	38531.23	-60.35	65.25	1	-4.265E-08	-2.843E-07	1.721E-15	-4.082E+04	-1.395E+03	-8.800E+02	-4.265E-08	-2.843E-07	7.121E-09	-1.375E+03	-4.084E+04	1.593E+00
448	1	38531.23	-60.35	65.25	2	-4.196E-08	-2.797E-07	1.665E-15	-4.082E+04	-1.395E+03	-8.799E+02	-4.196E-08	-2.797E-07	7.004E-09	-1.375E+03	-4.084E+04	1.593E+00
448	2	38540.73	-100.58	65.25	1	-5.342E-15	-5.342E-15	2.853E-08	-2.674E+04	-3.852E+03	-1.370E+02	2.853E-08	-2.853E-08	7.854E-01	-3.852E+03	-2.674E+04	1.577E+00
448	2	38540.73	-100.58	65.25	2	-5.245E-15	-5.245E-15	2.807E-08	-2.674E+04	-3.853E+03	-1.368E+02	2.807E-08	-2.807E-08	7.854E-01	-3.852E+03	-2.674E+04	1.577E+00
448	3	38550.23	-60.35	65.25	1	4.265E-08	2.843E-07	2.821E-14	-4.091E+04	-5.331E+02	2.885E+03	2.843E-07	4.265E-08	1.571E+00	-3.280E+02	-4.111E+04	1.500E+00
448	3	38550.23	-60.35	65.25	2	4.196E-08	2.797E-07	2.775E-14	-4.091E+04	-5.331E+02	2.885E+03	2.797E-07	4.196E-08	1.571E+00	-3.280E+02	-4.111E+04	1.500E+00
448	4	38540.73	-20.12	65.25	1	-4.888E-15	-4.888E-15	-2.853E-08	-5.510E+04	7.931E+02	-5.151E+02	2.853E-08	-2.853E-08	-7.854E-01	7.978E+02	-5.510E+04	1.580E+00
448	4	38540.73	-20.12	65.25	2	-4.798E-15	-4.798E-15	-2.807E-08	-5.510E+04	7.930E+02	-5.150E+02	2.807E-08	-2.807E-08	-7.854E-01	7.978E+02	-5.510E+04	1.580E+00
449	1	38339.73	60.35	65.25	1	4.265E-08	2.843E-07	-2.442E-15	-4.091E+04	-5.331E+02	2.884E+03	2.843E-07	4.265E-08	1.571E+00	-3.280E+02	-4.111E+04	1.500E+00
449	1	38339.73	60.35	65.25	2	4.196E-08	2.797E-07	-2.387E-15	-4.091E+04	-5.331E+02	2.885E+03	2.797E-07	4.196E-08	1.571E+00	-3.280E+02	-4.111E+04	1.500E+00

449	2	38349.23	20.12	65.25	1	4.038E-15	4.038E-15	-2.853E-08	-5.510E+04	7.930E+02	5.148E+02	2.853E-08	-2.853E-08	-7.854E-01	7.977E+02	-5.510E+04	1.562E+00
449	2	38349.23	20.12	65.25	2	4.008E-15	4.008E-15	-2.807E-08	-5.510E+04	7.931E+02	5.153E+02	2.807E-08	-2.807E-08	-7.854E-01	7.978E+02	-5.510E+04	1.562E+00
449	3	38358.73	60.35	65.25	1	-4.265E-08	-2.843E-07	2.169E-14	-4.082E+04	-1.395E+03	-8.802E+02	-4.265E-08	-2.843E-07	8.976E-08	-1.375E+03	-4.084E+04	1.593E+00
449	3	38358.73	60.35	65.25	2	-4.196E-08	-2.797E-07	2.136E-14	-4.082E+04	-1.395E+03	-8.797E+02	-4.196E-08	-2.797E-07	8.982E-08	-1.375E+03	-4.084E+04	1.593E+00
449	4	38349.23	100.58	65.25	1	1.310E-16	1.310E-16	2.853E-08	-2.674E+04	-3.852E+03	-1.371E+02	2.853E-08	-2.853E-08	7.854E-01	-3.852E+03	-2.674E+04	1.577E+00
449	4	38349.23	100.58	65.25	2	1.761E-16	1.761E-16	2.807E-08	-2.674E+04	-3.853E+03	-1.367E+02	2.807E-08	-2.807E-08	7.854E-01	-3.852E+03	-2.674E+04	1.577E+00
450	1	38377.06	60.35	65.25	1	1.491E-08	9.942E-08	-7.133E-15	-4.182E+04	-3.926E+03	-1.388E+03	9.942E-08	1.491E-08	1.571E+00	-3.875E+03	-4.187E+04	1.607E+00
450	1	38377.06	60.35	65.25	2	1.467E-08	9.782E-08	-6.925E-15	-4.182E+04	-3.926E+03	-1.387E+03	9.782E-08	1.467E-08	1.571E+00	-3.876E+03	-4.187E+04	1.607E+00
450	2	38404.23	20.12	65.25	1	-3.733E-15	-3.733E-15	-2.853E-08	-5.855E+04	-1.690E+04	1.869E+03	2.853E-08	-2.853E-08	-7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
450	2	38404.23	20.12	65.25	2	-3.511E-15	-3.511E-15	-2.807E-08	-5.855E+04	-1.690E+04	1.869E+03	2.807E-08	-2.807E-08	-7.854E-01	-1.681E+04	-5.863E+04	1.526E+00
450	3	38431.40	60.35	65.25	1	-1.491E-08	-9.942E-08	-4.080E-15	-4.003E+04	-2.100E+04	-1.408E+03	-1.491E-08	-9.942E-08	-4.828E-08	-2.090E+04	-4.013E+04	1.644E+00
450	3	38431.40	60.35	65.25	2	-1.467E-08	-9.782E-08	-3.927E-15	-4.003E+04	-2.100E+04	-1.408E+03	-1.467E-08	-9.782E-08	-4.723E-08	-2.090E+04	-4.013E+04	1.644E+00
450	4	38404.23	100.58	65.25	1	-2.341E-15	-2.341E-15	2.853E-08	-2.069E+04	-1.597E+04	-2.144E+03	2.853E-08	-2.853E-08	7.854E-01	-1.514E+04	-2.152E+04	1.939E+00
450	4	38404.23	100.58	65.25	2	-2.237E-15	-2.237E-15	2.807E-08	-2.069E+04	-1.597E+04	-2.144E+03	2.807E-08	-2.807E-08	7.854E-01	-1.514E+04	-2.152E+04	1.939E+00
451	1	38458.57	60.35	65.25	1	1.491E-08	9.942E-08	-8.986E-15	-4.003E+04	-2.100E+04	-1.408E+03	9.942E-08	1.491E-08	1.571E+00	-2.090E+04	-4.013E+04	1.644E+00
451	1	38458.57	60.35	65.25	2	1.467E-08	9.782E-08	-8.854E-15	-4.003E+04	-2.100E+04	-1.408E+03	9.782E-08	1.467E-08	1.571E+00	-2.090E+04	-4.013E+04	1.644E+00
451	2	38485.73	20.12	65.25	1	1.783E-15	1.783E-15	-2.853E-08	-5.855E+04	-1.690E+04	-1.869E+03	2.853E-08	-2.853E-08	-7.854E-01	-1.681E+04	-5.863E+04	1.616E+00
451	2	38485.73	20.12	65.25	2	1.890E-15	1.890E-15	-2.807E-08	-5.855E+04	-1.690E+04	-1.869E+03	2.807E-08	-2.807E-08	-7.854E-01	-1.681E+04	-5.863E+04	1.616E+00
451	3	38512.90	60.35	65.25	1	-1.491E-08	-9.942E-08	-6.262E-15	-4.182E+04	-3.926E+03	1.387E+03	-1.491E-08	-9.942E-08	-7.410E-08	-3.875E+03	-4.187E+04	1.534E+00
451	3	38512.90	60.35	65.25	2	-1.467E-08	-9.782E-08	-6.193E-15	-4.182E+04	-3.926E+03	1.388E+03	-1.467E-08	-9.782E-08	-7.448E-08	-3.876E+03	-4.187E+04	1.534E+00
451	4	38485.73	100.58	65.25	1	1.803E-15	1.803E-15	2.853E-08	-2.069E+04	-1.597E+04	2.144E+03	2.853E-08	-2.853E-08	7.854E-01	-1.514E+04	-2.152E+04	1.203E+00
451	4	38485.73	100.58	65.25	2	1.899E-15	1.899E-15	2.807E-08	-2.069E+04	-1.597E+04	2.144E+03	2.807E-08	-2.807E-08	7.854E-01	-1.514E+04	-2.152E+04	1.202E+00
452	1	38531.23	60.35	65.25	1	4.265E-08	2.843E-07	-3.662E-15	-4.082E+04	-1.395E+03	8.799E+02	2.843E-07	4.265E-08	1.571E+00	-1.375E+03	-4.084E+04	1.548E+00
452	1	38531.23	60.35	65.25	2	4.196E-08	2.797E-07	-3.554E-15	-4.082E+04	-1.395E+03	8.800E+02	2.797E-07	4.196E-08	1.571E+00	-1.375E+03	-4.084E+04	1.548E+00
452	2	38540.73	20.12	65.25	1	-9.363E-16	-9.363E-16	-2.853E-08	-5.510E+04	7.930E+02	-5.151E+02	2.853E-08	-2.853E-08	-7.854E-01	7.978E+02	-5.510E+04	1.580E+00
452	2	38540.73	20.12	65.25	2	-8.452E-16	-8.452E-16	-2.807E-08	-5.510E+04	7.931E+02	-5.150E+02	2.807E-08	-2.807E-08	-7.854E-01	7.978E+02	-5.510E+04	1.580E+00
452	3	38550.23	60.35	65.25	1	-4.265E-08	-2.843E-07	2.456E-14	-4.091E+04	-5.331E+02	-2.885E+03	-4.265E-08	-2.843E-07	1.016E-07	-3.280E+02	-4.111E+04	1.642E+00
452	3	38550.23	60.35	65.25	2	-4.196E-08	-2.797E-07	2.426E-14	-4.091E+04	-5.331E+02	-2.885E+03	-4.196E-08	-2.797E-07	1.020E-07	-3.280E+02	-4.111E+04	1.642E+00
452	4	38540.73	100.58	65.25	1	-3.909E-16	-3.909E-16	2.853E-08	-2.674E+04	-3.853E+03	1.368E+02	2.853E-08	-2.853E-08	7.854E-01	-3.852E+03	-2.674E+04	1.565E+00
452	4	38540.73	100.58	65.25	2	-2.805E-16	-2.805E-16	2.807E-08	-2.674E+04	-3.852E+03	1.370E+02	2.807E-08	-2.807E-08	7.854E-01	-3.852E+03	-2.674E+04	1.565E+00
453	1	38349.23	125.95	65.25	1	-7.792E-15	2.776E-17	2.186E-07	1.910E+03	-1.304E+04	2.772E+02	2.186E-07	-2.186E-07	7.854E-01	1.915E+03	-1.305E+04	1.853E-02
453	1	38349.23	125.95	65.25	2	-7.667E-15	1.388E-16	2.151E-07	1.910E+03	-1.304E+04	2.771E+02	2.151E-07	-2.151E-07	7.854E-01	1.915E+03	-1.305E+04	1.852E-02
453	2	38358.73	136.45	65.25	1	-5.686E-07	-8.529E-08	-2.923E-14	3.975E+03	-5.683E+03	1.167E+03	-8.529E-08	-5.686E-07	1.571E+00	4.114E+03	-5.822E+03	1.186E-01
453	2	38358.73	136.45	65.25	2	-5.595E-07	-8.392E-08	-2.884E-14	3.975E+03	-5.683E+03	1.167E+03	-8.392E-08	-5.595E-07	1.571E+00	4.114E+03	-5.822E+03	1.186E-01
453	3	38349.23	146.95	65.25	1	-1.041E-15	-1.041E-15	-2.186E-07	2.242E+03	6.155E+02	9.195E+02	2.186E-07	-2.186E-07	-7.854E-01	2.656E+03	2.013E+02	4.233E-01
453	3	38349.23	146.95	65.25	2	-9.853E-16	-9.853E-16	-2.151E-07	2.242E+03	6.154E+02	9.194E+02	2.151E-07	-2.151E-07	-7.854E-01	2.656E+03	2.012E+02	4.233E-01
453	4	38339.73	136.45	65.25	1	5.686E-07	8.529E-08	-6.047E-13	6.590E+02	-7.110E+03	1.731E+03	5.686E-07	8.529E-08	-1.251E-06	1.027E+03	-7.479E+03	2.097E-01
453	4	38339.73	136.45	65.25	2	5.595E-07	8.392E-08	-5.949E-13	6.590E+02	-7.110E+03	1.731E+03	5.595E-07	8.392E-08	-1.251E-06	1.027E+03	-7.478E+03	2.096E-01
454	1	38404.23	125.95	65.25	1	-4.522E-15	-9.437E-15	2.186E-07	-4.499E+03	-9.826E+03	2.038E+03	2.186E-07	-2.186E-07	7.854E-01	-3.809E+03	-1.052E+04	3.266E-01
454	1	38404.23	125.95	65.25	2	-4.536E-15	-8.826E-15	2.151E-07	-4.499E+03	-9.826E+03	2.038E+03	2.151E-07	-2.151E-07	7.854E-01	-3.809E+03	-1.052E+04	3.266E-01
454	2	38431.40	136.45	65.25	1	-1.988E-07	-2.983E-08	-1.828E-15	-7.973E+03	-7.642E+03	6.832E+02	-2.983E-08	-1.988E-07	1.571E+00	-7.105E+03	-8.510E+03	9.041E-01
454	2	38431.40	136.45	65.25	2	-1.956E-07	-2.935E-08	-1.703E-15	-7.972E+03	-7.642E+03	6.830E+02	-2.935E-08	-1.956E-07	1.571E+00	-7.104E+03	-8.510E+03	9.041E-01
454	3	38404.23	146.95	65.25	1	-6.098E-15	-6.098E-15	-2.186E-07	-4.286E+03	-3.046E+03	1.522E+03	2.186E-07	-2.186E-07	-7.854E-01	-2.022E+03	-5.310E+03	9.789E-01

454	3	38404.23	146.95	65.25	2	-5.876E-15	-5.876E-15	-2.151E-07	-4.286E+03	-3.046E+03	1.522E+03	2.151E-07	-2.151E-07	-7.854E-01	-2.022E+03	-5.310E+03	9.789E-01
454	4	38377.06	136.45	65.25	1	1.988E-07	2.983E-08	1.488E-15	-8.146E+02	-7.591E+03	2.141E+03	1.988E-07	2.983E-08	8.806E-09	-1.947E+02	-8.211E+03	2.818E-01
454	4	38377.06	136.45	65.25	2	1.956E-07	2.935E-08	1.475E-15	-8.147E+02	-7.590E+03	2.141E+03	1.956E-07	2.935E-08	8.867E-09	-1.948E+02	-8.210E+03	2.818E-01
455	1	38485.73	125.95	65.25	1	5.837E-15	-3.372E-15	2.186E-07	-4.499E+03	-9.826E+03	-2.038E+03	2.186E-07	-2.186E-07	7.854E-01	-3.809E+03	-1.052E+04	-3.266E-01
455	1	38485.73	125.95	65.25	2	5.699E-15	-2.956E-15	2.151E-07	-4.499E+03	-9.826E+03	-2.038E+03	2.151E-07	-2.151E-07	7.854E-01	-3.809E+03	-1.052E+04	-3.266E-01
455	2	38512.90	136.45	65.25	1	-1.988E-07	-2.983E-08	4.909E-15	-8.147E+02	-7.591E+03	-2.141E+03	-2.983E-08	-1.988E-07	1.571E+00	-1.948E+02	-8.211E+03	-2.818E-01
455	2	38512.90	136.45	65.25	2	-1.956E-07	-2.935E-08	4.923E-15	-8.146E+02	-7.590E+03	-2.141E+03	-2.935E-08	-1.956E-07	1.571E+00	-1.946E+02	-8.210E+03	-2.818E-01
455	3	38485.73	146.95	65.25	1	9.775E-16	9.775E-16	-2.186E-07	-4.286E+03	-3.046E+03	-1.522E+03	2.186E-07	-2.186E-07	-7.854E-01	-2.022E+03	-5.310E+03	2.163E+00
455	3	38485.73	146.95	65.25	2	1.111E-15	1.111E-15	-2.151E-07	-4.286E+03	-3.046E+03	-1.522E+03	2.151E-07	-2.151E-07	-7.854E-01	-2.022E+03	-5.310E+03	2.163E+00
455	4	38458.57	136.45	65.25	1	1.988E-07	2.983E-08	5.846E-15	-7.973E+03	-7.642E+03	6.832E+02	1.988E-07	2.983E-08	3.459E-08	-7.105E+03	-8.510E+03	9.041E-01
455	4	38458.57	136.45	65.25	2	1.956E-07	2.935E-08	5.735E-15	-7.972E+03	-7.642E+03	6.830E+02	1.956E-07	2.935E-08	3.449E-08	-7.104E+03	-8.510E+03	9.041E-01
456	1	38540.73	125.95	65.25	1	8.030E-15	2.263E-14	2.186E-07	1.910E+03	-1.304E+04	-2.771E+02	2.186E-07	-2.186E-07	7.854E-01	1.915E+03	-1.305E+04	-1.853E-02
456	1	38540.73	125.95	65.25	2	8.027E-15	2.261E-14	2.151E-07	1.910E+03	-1.304E+04	-2.772E+02	2.151E-07	-2.151E-07	7.854E-01	1.915E+03	-1.305E+04	-1.853E-02
456	2	38550.23	136.45	65.25	1	-5.686E-07	-8.529E-08	-2.037E-14	6.590E+02	-7.110E+03	-1.731E+03	-8.529E-08	-5.686E-07	1.571E+00	1.027E+03	-7.478E+03	-2.096E-01
456	2	38550.23	136.45	65.25	2	-5.595E-07	-8.392E-08	-1.985E-14	6.590E+02	-7.110E+03	-1.731E+03	-8.392E-08	-5.595E-07	1.571E+00	1.027E+03	-7.478E+03	-2.096E-01
456	3	38540.73	146.95	65.25	1	1.607E-14	1.607E-14	-2.186E-07	2.242E+03	6.154E+02	-9.194E+02	2.186E-07	-2.186E-07	-7.854E-01	2.656E+03	2.012E+02	-4.233E-01
456	3	38540.73	146.95	65.25	2	1.605E-14	1.605E-14	-2.151E-07	2.242E+03	6.155E+02	-9.195E+02	2.151E-07	-2.151E-07	-7.854E-01	2.656E+03	2.013E+02	-4.233E-01
456	4	38531.23	136.45	65.25	1	5.686E-07	8.529E-08	-2.222E-14	3.975E+03	-5.683E+03	-1.167E+03	5.686E-07	8.529E-08	-4.597E-08	4.114E+03	-5.822E+03	-1.186E-01
456	4	38531.23	136.45	65.25	2	5.595E-07	8.392E-08	-2.169E-14	3.975E+03	-5.683E+03	-1.167E+03	5.595E-07	8.392E-08	-4.561E-08	4.114E+03	-5.822E+03	-1.186E-01
457	1	38349.23	157.45	65.25	1	5.600E-15	-1.887E-15	2.186E-07	2.989E+03	2.553E+03	1.535E+03	2.186E-07	-2.186E-07	7.854E-01	4.321E+03	1.221E+03	7.149E-01
457	1	38349.23	157.45	65.25	2	5.600E-15	-1.665E-15	2.151E-07	2.988E+03	2.553E+03	1.535E+03	2.151E-07	-2.151E-07	7.854E-01	4.320E+03	1.221E+03	7.149E-01
457	2	38358.73	167.95	65.25	1	-5.686E-07	-8.529E-08	-2.684E-14	4.083E+03	1.716E+03	8.665E+02	-8.529E-08	-5.686E-07	1.571E+00	4.367E+03	1.433E+03	3.160E-01
457	2	38358.73	167.95	65.25	2	-5.595E-07	-8.392E-08	-2.640E-14	4.083E+03	1.716E+03	8.664E+02	-8.392E-08	-5.595E-07	1.571E+00	4.366E+03	1.433E+03	3.160E-01
457	3	38349.23	178.45	65.25	1	-2.519E-15	-2.519E-15	-2.186E-07	2.045E+03	5.099E+02	1.153E+03	2.186E-07	-2.186E-07	-7.854E-01	2.663E+03	-1.079E+02	4.918E-01
457	3	38349.23	178.45	65.25	2	-2.352E-15	-2.352E-15	-2.151E-07	2.045E+03	5.099E+02	1.153E+03	2.151E-07	-2.151E-07	-7.854E-01	2.663E+03	-1.079E+02	4.918E-01
457	4	38339.73	167.95	65.25	1	5.686E-07	8.529E-08	-6.024E-13	3.463E+02	1.807E+03	1.247E+03	5.686E-07	8.529E-08	-1.246E-06	2.522E+03	-3.688E+02	1.050E+00
457	4	38339.73	167.95	65.25	2	5.595E-07	8.392E-08	-5.927E-13	3.463E+02	1.807E+03	1.247E+03	5.595E-07	8.392E-08	-1.246E-06	2.522E+03	-3.688E+02	1.050E+00
458	1	38404.23	157.45	65.25	1	-6.993E-15	-6.814E-15	2.186E-07	-3.879E+03	-7.686E+02	1.173E+03	2.186E-07	-2.186E-07	7.854E-01	-3.761E+02	-4.272E+03	1.248E+00
458	1	38404.23	157.45	65.25	2	-6.896E-15	-6.647E-15	2.151E-07	-3.879E+03	-7.686E+02	1.172E+03	2.151E-07	-2.151E-07	7.854E-01	-3.762E+02	-4.272E+03	1.248E+00
458	2	38431.40	167.95	65.25	1	-1.988E-07	-2.983E-08	-3.754E-15	-8.513E+03	-1.248E+03	1.569E+02	-2.983E-08	-1.988E-07	1.571E+00	-1.245E+03	-8.516E+03	1.549E+00
458	2	38431.40	167.95	65.25	2	-1.956E-07	-2.935E-08	-3.476E-15	-8.512E+03	-1.248E+03	1.568E+02	-2.935E-08	-1.956E-07	1.571E+00	-1.245E+03	-8.516E+03	1.549E+00
458	3	38404.23	178.45	65.25	1	-8.265E-15	-8.265E-15	-2.186E-07	-3.956E+03	-2.895E+02	2.746E+02	2.186E-07	-2.186E-07	-7.854E-01	-2.691E+02	-3.977E+03	1.496E+00
458	3	38404.23	178.45	65.25	2	-8.057E-15	-8.057E-15	-2.151E-07	-3.956E+03	-2.896E+02	2.745E+02	2.151E-07	-2.151E-07	-7.854E-01	-2.691E+02	-3.977E+03	1.496E+00
458	4	38377.06	167.95	65.25	1	1.988E-07	2.983E-08	-2.075E-15	6.767E+02	-1.808E+02	4.224E+02	1.988E-07	2.983E-08	-1.228E-08	8.499E+02	-3.539E+02	3.890E-01
458	4	38377.06	167.95	65.25	2	1.956E-07	2.935E-08	-2.005E-15	6.766E+02	-1.808E+02	4.223E+02	1.956E-07	2.935E-08	-1.206E-08	8.497E+02	-3.539E+02	3.889E-01
459	1	38485.73	157.45	65.25	1	5.893E-15	-2.179E-15	2.186E-07	-3.879E+03	-7.686E+02	-1.173E+03	2.186E-07	-2.186E-07	7.854E-01	-3.762E+02	-4.272E+03	1.894E+00
459	1	38485.73	157.45	65.25	2	5.823E-15	-2.123E-15	2.151E-07	-3.879E+03	-7.686E+02	-1.173E+03	2.151E-07	-2.151E-07	7.854E-01	-3.761E+02	-4.272E+03	1.894E+00
459	2	38512.90	167.95	65.25	1	-1.988E-07	-2.983E-08	-1.028E-14	6.766E+02	-1.808E+02	-4.223E+02	-2.983E-08	-1.988E-07	1.571E+00	8.497E+02	-3.539E+02	-3.889E-01
459	2	38512.90	167.95	65.25	2	-1.956E-07	-2.935E-08	-1.033E-14	6.767E+02	-1.808E+02	-4.224E+02	-2.935E-08	-1.956E-07	1.571E+00	8.499E+02	-3.539E+02	-3.890E-01
459	3	38485.73	178.45	65.25	1	-3.445E-15	-3.445E-15	-2.186E-07	-3.956E+03	-2.896E+02	-2.745E+02	2.186E-07	-2.186E-07	-7.854E-01	-2.691E+02	-3.977E+03	1.645E+00
459	3	38485.73	178.45	65.25	2	-3.409E-15	-3.409E-15	-2.151E-07	-3.956E+03	-2.895E+02	-2.746E+02	2.151E-07	-2.151E-07	-7.854E-01	-2.691E+02	-3.977E+03	1.645E+00
459	4	38458.57	167.95	65.25	1	1.988E-07	2.983E-08	7.480E-15	-8.513E+03	-1.248E+03	1.569E+02	1.988E-07	2.983E-08	4.426E-08	-1.245E+03	-8.516E+03	1.549E+00
459	4	38458.57	167.95	65.25	2	1.956E-07	2.935E-08	7.404E-15	-8.512E+03	-1.248E+03	1.568E+02	1.956E-07	2.935E-08	4.452E-08	-1.245E+03	-8.516E+03	1.549E+00

460	1	38540.73	157.45	65.25	1	5.556E-15	-2.439E-14	2.186E-07	2.988E+03	2.553E+03	-1.535E+03	2.186E-07	-2.186E-07	7.854E-01	4.321E+03	1.221E+03	-7.149E-01
460	1	38540.73	157.45	65.25	2	5.546E-15	-2.440E-14	2.151E-07	2.989E+03	2.553E+03	-1.535E+03	2.151E-07	-2.151E-07	7.854E-01	4.321E+03	1.221E+03	-7.149E-01
460	2	38550.23	167.95	65.25	1	-5.686E-07	-8.529E-08	-5.644E-14	3.463E+02	1.807E+03	-1.247E+03	-8.529E-08	-5.686E-07	1.571E+00	2.522E+03	-3.688E+02	2.091E+00
460	2	38550.23	167.95	65.25	2	-5.595E-07	-8.392E-08	-5.597E-14	3.463E+02	1.807E+03	-1.247E+03	-8.392E-08	-5.595E-07	1.571E+00	2.522E+03	-3.688E+02	2.091E+00
460	3	38540.73	178.45	65.25	1	-1.589E-14	-1.589E-14	-2.186E-07	2.045E+03	5.099E+02	-1.153E+03	2.186E-07	-2.186E-07	-7.854E-01	2.663E+03	-1.079E+02	-4.918E-01
460	3	38540.73	178.45	65.25	2	-1.590E-14	-1.590E-14	-2.151E-07	2.045E+03	5.099E+02	-1.153E+03	2.151E-07	-2.151E-07	-7.854E-01	2.663E+03	-1.079E+02	-4.918E-01
460	4	38531.23	167.95	65.25	1	5.686E-07	8.529E-08	-5.493E-14	4.083E+03	1.716E+03	-8.664E+02	5.686E-07	8.529E-08	-1.137E-07	4.366E+03	1.433E+03	-3.160E-01
460	4	38531.23	167.95	65.25	2	5.595E-07	8.392E-08	-5.445E-14	4.083E+03	1.716E+03	-8.664E+02	5.595E-07	8.392E-08	-1.145E-07	4.366E+03	1.433E+03	-3.160E-01

FILE: gus4c005.bin

Caso di carico: 5 - Frequente (1xC1 + 1xC2 + 0.9xC3 + 0.3xC5)

Guscio	Nodo	Coord X	Coord Y	Coord Z	Sest.	sx (N/mm2)	sy (N/mm2)	sxy (N/mm2)	mx (kN)	my (kN)	mxy (kN)	s1 (N/mm2)	s2 (N/mm2)	ths (rad)	m1 (kN)	m2 (kN)	thm (rad)
1	1	-137.50	-213.60	0.00	1	-2.001E-43	-1.334E-42	7.848E-43	6.209E+02	-3.096E+02	2.655E+02	2.011E-43	-1.735E-42	0.000E+00	6.913E+02	-3.800E+02	2.593E-01
1	2	-112.50	-254.53	0.00	1	-8.228E-42	3.134E-42	6.957E-58	2.771E+02	-5.225E+02	5.528E+02	3.134E-42	-8.228E-42	1.571E+00	5.595E+02	-8.049E+02	4.723E-01
1	3	-87.50	-213.60	0.00	1	-3.717E-43	-1.530E-42	-1.418E-58	9.254E+02	-1.161E+03	4.318E+02	-3.717E-43	-1.530E-42	0.000E+00	1.011E+03	-1.247E+03	1.963E-01
1	4	-112.50	-172.67	0.00	1	-3.453E-42	5.112E-42	-5.244E-58	1.282E+03	-1.001E+03	1.021E+02	5.112E-42	-3.453E-42	1.571E+00	1.286E+03	-1.005E+03	4.462E-02
2	1	-62.50	-213.60	0.00	1	-3.912E-30	-2.608E-29	2.702E-29	7.616E+02	-2.104E+03	6.650E+02	1.421E-29	-4.421E-29	0.000E+00	9.084E+02	-2.251E+03	2.173E-01
2	2	-37.50	-254.53	0.00	1	-7.704E-29	2.297E-29	6.124E-45	6.386E+02	-2.180E+03	1.173E+03	2.297E-29	-7.704E-29	1.571E+00	1.063E+03	-2.604E+03	3.471E-01
2	3	-12.50	-213.60	0.00	1	3.274E-29	-7.801E-29	-1.356E-44	1.600E+03	-2.409E+03	9.720E+02	3.274E-29	-7.801E-29	0.000E+00	1.823E+03	-2.633E+03	2.258E-01
2	4	-37.50	-172.67	0.00	1	-8.637E-29	6.516E-29	-9.279E-45	1.893E+03	-3.055E+03	-2.552E+02	6.516E-29	-8.637E-29	1.571E+00	1.906E+03	-3.068E+03	-5.139E-02
3	1	13.58	-213.60	0.00	1	-4.465E-17	-2.977E-16	3.936E-16	1.589E+03	-3.007E+03	1.503E+03	2.423E-16	-5.846E-16	0.000E+00	2.037E+03	-3.455E+03	2.896E-01
3	2	40.75	-254.53	0.00	1	-9.648E-16	2.580E-16	7.487E-32	1.718E+02	-1.468E+03	1.461E+03	2.580E-16	-9.648E-16	1.571E+00	1.027E+03	-2.323E+03	5.296E-01
3	3	67.92	-213.60	0.00	1	1.156E-15	-2.227E-15	-4.142E-31	3.092E+03	6.511E+02	1.560E+03	1.156E-15	-2.227E-15	0.000E+00	3.852E+03	-1.087E+02	4.534E-01
3	4	40.75	-172.67	0.00	1	-2.025E-15	1.318E-15	-2.047E-31	4.707E+03	-1.525E+03	-5.671E+02	1.318E-15	-2.025E-15	1.571E+00	4.758E+03	-1.576E+03	-9.001E-02
4	1	86.25	-213.60	0.00	1	-1.177E-15	1.611E-16	-1.126E-15	3.243E+03	9.411E+02	1.164E+03	8.013E-16	-1.818E-15	1.571E+00	3.729E+03	4.548E+02	3.956E-01
4	2	95.75	-254.53	0.00	1	-9.404E-16	2.336E-16	7.189E-32	-7.709E+02	-5.048E+02	3.750E+02	2.336E-16	-9.404E-16	1.571E+00	-2.399E+02	-1.036E+03	9.558E-01
4	3	105.25	-213.60	0.00	1	2.331E-15	-2.728E-15	-6.195E-31	3.364E+03	9.455E+02	-5.524E+02	2.331E-15	-2.728E-15	0.000E+00	3.484E+03	8.253E+02	-2.142E-01
4	4	95.75	-172.67	0.00	1	-5.328E-15	4.621E-15	-6.092E-31	7.402E+03	2.640E+03	-7.792E+00	4.621E-15	-5.328E-15	1.571E+00	7.402E+03	2.640E+03	-1.636E-03
5	1	-137.50	-76.10	0.00	1	1.680E-42	1.120E-41	-5.344E-43	2.417E+02	-1.680E+02	-2.766E+02	1.123E-41	1.650E-42	1.571E+00	3.810E+02	-3.073E+02	-4.667E-01
5	2	-112.50	-126.83	0.00	1	2.986E-42	3.333E-42	2.123E-59	7.515E+02	-1.137E+03	9.825E+01	3.333E-42	2.986E-42	1.571E+00	7.566E+02	-1.142E+03	5.183E-02
5	3	-87.50	-76.10	0.00	1	1.499E-41	-9.846E-43	-1.956E-57	1.101E+02	-1.264E+03	-4.444E+02	1.499E-41	-9.846E-43	0.000E+00	2.413E+02	-1.395E+03	-2.871E-01
5	4	-112.50	-25.37	0.00	1	-8.147E-42	2.871E-41	-2.257E-57	-3.863E+02	-4.346E+02	1.481E+02	2.871E-41	-8.147E-42	1.571E+00	-2.604E+02	-5.605E+02	7.045E-01
6	1	-62.50	-76.10	0.00	1	7.667E-30	5.111E-29	1.288E-29	2.164E+01	-1.581E+03	-7.270E+02	5.465E-29	4.134E-30	1.571E+00	3.023E+02	-1.861E+03	-3.684E-01
6	2	-37.50	-126.83	0.00	1	-5.341E-29	8.938E-29	8.743E-45	1.296E+03	-3.334E+03	-3.906E+02	8.938E-29	-5.341E-29	1.571E+00	1.329E+03	-3.366E+03	-8.357E-02
6	3	-12.50	-76.10	0.00	1	7.193E-29	1.230E-29	-7.302E-45	-1.480E+02	-2.649E+03	-1.085E+03	7.193E-29	1.230E-29	0.000E+00	2.567E+02	-3.054E+03	-3.572E-01
6	4	-37.50	-25.37	0.00	1	-7.649E-30	1.147E-28	-7.491E-45	-1.334E+03	-1.812E+03	3.838E+02	1.147E-28	-7.649E-30	1.571E+00	-1.121E+03	-2.025E+03	5.068E-01
7	1	13.58	-76.10	0.00	1	3.813E-17	2.542E-16	3.936E-16	-9.512E+01	-2.256E+03	-1.572E+03	5.543E-16	-2.620E-16	1.571E+00	7.320E+02	-3.083E+03	-4.844E-01
7	2	40.75	-126.83	0.00	1	-1.407E-15	1.977E-15	2.072E-31	3.216E+03	-2.064E+03	-1.062E+03	1.977E-15	-1.407E-15	1.571E+00	3.421E+03	-2.270E+03	-1.913E-01
7	3	67.92	-76.10	0.00	1	1.894E-15	-1.046E-15	-3.601E-31	-7.572E+01	-2.895E+02	-1.581E+03	1.894E-15	-1.046E-15	0.000E+00	1.402E+03	-1.767E+03	-7.517E-01
7	4	40.75	-25.37	0.00	1	-2.019E-16	7.722E-16	-5.964E-32	-3.231E+03	-1.569E+03	7.190E+02	7.722E-16	-2.019E-16	1.571E+00	-1.301E+03	-3.499E+03	1.214E+00
8	1	86.25	-76.10	0.00	1	9.497E-16	-1.322E-16	-1.126E-15	4.238E+01	1.491E+02	-1.499E+03	1.658E-15	-8.401E-16	0.000E+00	1.595E+03	-1.404E+03	2.338E+00
8	2	95.75	-126.83	0.00	1	-4.703E-15	5.274E-15	6.109E-31	4.651E+03	-6.085E+02	-2.465E+02	5.274E-15	-4.703E-15	1.571E+00	4.663E+03	-6.200E+02	-4.672E-02
8	3	105.25	-76.10	0.00	1	2.684E-15	-2.361E-15	-6.177E-31	-6.357E+01	-4.804E+02	3.617E+02	2.684E-15	-2.361E-15	0.000E+00	1.455E+02	-6.895E+02	5.241E-01

8	4	95.75	-25.37	0.00	1	-1.871E-16	7.574E-16	-5.784E-32	-4.696E+03	7.549E+01	2.054E+02	7.574E-16	-1.871E-16	1.571E+00	8.432E+01	-4.705E+03	1.528E+00
9	1	-137.50	76.10	0.00	1	1.437E-32	2.052E-32	1.018E-32	2.417E+02	-1.680E+02	2.766E+02	2.808E-32	6.809E-33	1.571E+00	3.810E+02	-3.073E+02	4.667E-01
9	2	-112.50	25.37	0.00	1	-8.613E-34	1.274E-32	8.330E-49	-3.863E+02	-4.346E+02	1.481E+02	1.274E-32	-8.613E-34	1.571E+00	-2.604E+02	-5.605E+02	7.045E-01
9	3	-87.50	76.10	0.00	1	2.807E-32	4.593E-34	-3.381E-48	1.101E+02	-1.264E+03	4.444E+02	2.807E-32	4.593E-34	0.000E+00	2.413E+02	-1.395E+03	2.871E-01
9	4	-112.50	126.83	0.00	1	3.019E-33	4.851E-32	-2.786E-48	7.515E+02	-1.137E+03	-9.825E+01	4.851E-32	3.019E-33	1.571E+00	7.566E+02	-1.142E+03	-5.183E-02
10	1	-62.50	76.10	0.00	1	7.667E-30	5.111E-29	-1.288E-29	2.164E+01	-1.581E+03	7.270E+02	5.465E-29	4.134E-30	1.571E+00	3.023E+02	-1.861E+03	3.684E-01
10	2	-37.50	25.37	0.00	1	-7.649E-30	1.147E-28	7.491E-45	-1.334E+03	-1.812E+03	3.838E+02	1.147E-28	-7.649E-30	1.571E+00	-1.121E+03	-2.025E+03	5.068E-01
10	3	-12.50	76.10	0.00	1	7.193E-29	1.230E-29	-7.302E-45	-1.480E+02	-2.649E+03	1.085E+03	7.193E-29	1.230E-29	0.000E+00	2.567E+02	-3.054E+03	3.572E-01
10	4	-37.50	126.83	0.00	1	-5.341E-29	8.938E-29	-8.743E-45	1.296E+03	-3.334E+03	3.906E+02	8.938E-29	-5.341E-29	1.571E+00	1.329E+03	-3.366E+03	8.357E-02
11	1	13.58	76.10	0.00	1	3.813E-17	2.542E-16	-3.936E-16	-9.512E+01	-2.256E+03	1.572E+03	5.543E-16	-2.620E-16	1.571E+00	7.320E+02	-3.083E+03	4.844E-01
11	2	40.75	25.37	0.00	1	-2.019E-16	7.722E-16	5.964E-32	-3.231E+03	-1.569E+03	7.190E+02	7.722E-16	-2.019E-16	1.571E+00	-1.301E+03	-3.499E+03	1.214E+00
11	3	67.92	76.10	0.00	1	1.894E-15	-1.046E-15	-3.601E-31	-7.572E+01	-2.895E+02	1.581E+03	1.894E-15	-1.046E-15	0.000E+00	1.402E+03	-1.767E+03	7.517E-01
11	4	40.75	126.83	0.00	1	-1.407E-15	1.977E-15	-2.072E-31	3.216E+03	-2.064E+03	1.062E+03	1.977E-15	-1.407E-15	1.571E+00	3.421E+03	-2.270E+03	1.913E-01
12	1	86.25	76.10	0.00	1	9.497E-16	-1.322E-16	1.126E-15	4.238E+01	1.491E+02	1.499E+03	1.658E-15	-8.401E-16	0.000E+00	1.595E+03	-1.404E+03	8.032E-01
12	2	95.75	25.37	0.00	1	-1.871E-16	7.574E-16	5.784E-32	-4.696E+03	7.549E+01	2.054E+02	7.574E-16	-1.871E-16	1.571E+00	8.432E+01	-4.705E+03	1.528E+00
12	3	105.25	76.10	0.00	1	2.684E-15	-2.361E-15	-6.177E-31	-6.357E+01	-4.804E+02	-3.617E+02	2.684E-15	-2.361E-15	0.000E+00	1.455E+02	-6.895E+02	-5.241E-01
12	4	95.75	126.83	0.00	1	-4.703E-15	5.274E-15	-6.109E-31	4.651E+03	-6.085E+02	2.465E+02	5.274E-15	-4.703E-15	1.571E+00	4.663E+03	-6.200E+02	4.672E-02
13	1	-137.50	213.60	0.00	1	-9.424E-33	2.755E-32	-2.156E-33	6.209E+02	-3.096E+02	-2.655E+02	2.767E-32	-9.549E-33	1.571E+00	6.913E+02	-3.800E+02	-2.593E-01
13	2	-112.50	172.67	0.00	1	-6.049E-33	4.185E-32	2.933E-48	1.282E+03	-1.001E+03	-1.021E+02	4.185E-32	-6.049E-33	1.571E+00	1.286E+03	-1.005E+03	-4.462E-02
13	3	-87.50	213.60	0.00	1	2.343E-32	1.590E-33	-2.674E-48	9.254E+02	-1.161E+03	-4.318E+02	2.343E-32	1.590E-33	0.000E+00	1.011E+03	-1.247E+03	-1.963E-01
13	4	-112.50	254.53	0.00	1	-3.397E-33	1.074E-32	-8.655E-49	2.771E+02	-5.225E+02	-5.528E+02	1.074E-32	-3.397E-33	1.571E+00	5.595E+02	-8.049E+02	-4.723E-01
14	1	-62.50	213.60	0.00	1	-3.915E-30	-2.609E-29	-2.703E-29	7.616E+02	-2.104E+03	-6.650E+02	1.421E-29	-4.421E-29	0.000E+00	9.084E+02	-2.251E+03	-2.173E-01
14	2	-37.50	172.67	0.00	1	-8.637E-29	6.516E-29	9.279E-45	1.893E+03	-3.055E+03	2.552E+02	6.516E-29	-8.637E-29	1.571E+00	1.906E+03	-3.068E+03	5.139E-02
14	3	-12.50	213.60	0.00	1	3.273E-29	-7.802E-29	-1.356E-44	1.600E+03	-2.409E+03	-9.720E+02	3.273E-29	-7.802E-29	0.000E+00	1.823E+03	-2.633E+03	-2.258E-01
14	4	-37.50	254.53	0.00	1	-7.704E-29	2.297E-29	-6.124E-45	6.386E+02	-2.180E+03	-1.173E+03	2.297E-29	-7.704E-29	1.571E+00	1.063E+03	-2.604E+03	-3.471E-01
15	1	13.58	213.60	0.00	1	-4.465E-17	-2.977E-16	-3.936E-16	1.589E+03	-3.007E+03	-1.503E+03	2.423E-16	-5.846E-16	0.000E+00	2.037E+03	-3.455E+03	-2.896E-01
15	2	40.75	172.67	0.00	1	-2.025E-15	1.318E-15	2.047E-31	4.707E+03	-1.525E+03	5.671E+02	1.318E-15	-2.025E-15	1.571E+00	4.758E+03	-1.576E+03	9.001E-02
15	3	67.92	213.60	0.00	1	1.156E-15	-2.227E-15	-4.142E-31	3.092E+03	6.511E+02	-1.560E+03	1.156E-15	-2.227E-15	0.000E+00	3.852E+03	-1.087E+02	-4.534E-01
15	4	40.75	254.53	0.00	1	-9.648E-16	2.580E-16	-7.487E-32	1.718E+02	-1.468E+03	-1.461E+03	2.580E-16	-9.648E-16	1.571E+00	1.027E+03	-2.323E+03	-5.296E-01
16	1	86.25	213.60	0.00	1	-1.177E-15	1.611E-16	1.126E-15	3.243E+03	9.411E+02	-1.164E+03	8.013E-16	-1.818E-15	1.571E+00	3.729E+03	4.548E+02	-3.956E-01
16	2	95.75	172.67	0.00	1	-5.328E-15	4.621E-15	6.092E-31	7.402E+03	2.640E+03	7.792E+00	4.621E-15	-5.328E-15	1.571E+00	7.402E+03	2.640E+03	1.636E-03
16	3	105.25	213.60	0.00	1	2.331E-15	-2.728E-15	-6.195E-31	3.364E+03	9.455E+02	5.524E+02	2.331E-15	-2.728E-15	0.000E+00	3.484E+03	8.253E+02	2.142E-01
16	4	95.75	254.53	0.00	1	-9.404E-16	2.336E-16	-7.189E-32	-7.709E+02	-5.048E+02	-3.750E+02	2.336E-16	-9.404E-16	1.571E+00	-2.399E+02	-1.036E+03	2.186E+00
17	1	40902.73	-213.60	40.80	1	-5.074E-17	-3.383E-16	1.102E-15	3.364E+03	9.455E+02	5.523E+02	9.168E-16	-1.306E-15	0.000E+00	3.484E+03	8.253E+02	2.142E-01
17	2	40912.23	-254.53	40.80	1	-9.301E-16	2.381E-16	7.153E-32	-7.709E+02	-5.048E+02	-3.751E+02	2.381E-16	-9.301E-16	1.571E+00	-2.399E+02	-1.036E+03	2.186E+00
17	3	40921.73	-213.60	40.80	1	2.406E-15	-3.401E-15	-7.111E-31	3.243E+03	9.411E+02	-1.164E+03	2.406E-15	-3.401E-15	0.000E+00	3.729E+03	4.548E+02	-3.956E-01
17	4	40912.23	-172.67	40.80	1	-5.296E-15	4.604E-15	-6.061E-31	7.402E+03	2.640E+03	7.833E+00	4.604E-15	-5.296E-15	1.571E+00	7.402E+03	2.640E+03	1.645E-03
18	1	40940.06	-213.60	40.80	1	-1.160E-15	1.109E-16	-3.853E-16	3.092E+03	6.510E+02	-1.560E+03	2.186E-16	-1.268E-15	1.571E+00	3.852E+03	-1.088E+02	-4.534E-01
18	2	40967.23	-254.53	40.80	1	-9.544E-16	2.624E-16	7.450E-32	1.718E+02	-1.468E+03	-1.461E+03	2.624E-16	-9.544E-16	1.571E+00	1.027E+03	-2.323E+03	-5.296E-01
18	3	40994.40	-213.60	40.80	1	7.491E-16	-1.084E-15	-2.245E-31	1.589E+03	-3.007E+03	-1.503E+03	7.491E-16	-1.084E-15	0.000E+00	2.037E+03	-3.455E+03	-2.896E-01
18	4	40967.23	-172.67	40.80	1	-2.009E-15	1.317E-15	-2.037E-31	4.707E+03	-1.525E+03	5.671E+02	1.317E-15	-2.009E-15	1.571E+00	4.758E+03	-1.576E+03	9.003E-02
19	1	41020.48	-213.60	40.80	1	-2.337E-24	-1.558E-23	-2.184E-23	1.600E+03	-2.409E+03	-9.721E+02	1.387E-23	-3.178E-23	0.000E+00	1.823E+03	-2.633E+03	-2.258E-01
19	2	41045.48	-254.53	40.80	1	-5.987E-23	2.378E-23	5.122E-39	6.385E+02	-2.180E+03	-1.173E+03	2.378E-23	-5.987E-23	1.571E+00	1.063E+03	-2.604E+03	-3.471E-01

19	3	41070.48	-213.60	40.80	1	1.269E-23	-6.696E-23	-9.754E-39	7.616E+02	-2.104E+03	-6.650E+02	1.269E-23	-6.696E-23	0.000E+00	9.084E+02	-2.251E+03	-2.173E-01
19	4	41045.48	-172.67	40.80	1	-3.199E-23	-4.109E-24	-1.707E-39	1.893E+03	-3.055E+03	2.552E+02	-4.109E-24	-3.199E-23	1.571E+00	1.906E+03	-3.068E+03	5.140E-02
20	1	41095.48	-213.60	40.80	1	-6.044E-23	6.162E-24	2.184E-23	9.254E+02	-1.161E+03	-4.319E+02	1.269E-23	-6.696E-23	1.571E+00	1.011E+03	-1.247E+03	-1.963E-01
20	2	41120.48	-254.53	40.80	1	-5.987E-23	2.378E-23	5.122E-39	2.771E+02	-5.224E+02	-5.528E+02	2.378E-23	-5.987E-23	1.571E+00	5.595E+02	-8.049E+02	-4.723E-01
20	3	41145.48	-213.60	40.80	1	1.387E-23	-3.178E-23	-5.590E-39	6.209E+02	-3.096E+02	-2.655E+02	1.387E-23	-3.178E-23	0.000E+00	6.913E+02	-3.800E+02	-2.593E-01
20	4	41120.48	-172.67	40.80	1	-3.199E-23	-4.109E-24	-1.707E-39	1.282E+03	-1.000E+03	-1.021E+02	-4.109E-24	-3.199E-23	1.571E+00	1.286E+03	-1.005E+03	-4.463E-02
21	1	40902.73	-76.10	40.80	1	4.126E-17	2.751E-16	1.102E-15	-6.334E+01	-4.804E+02	-3.618E+02	1.266E-15	-9.500E-16	1.571E+00	1.457E+02	-6.894E+02	-5.240E-01
21	2	40912.23	-126.83	40.80	1	-4.685E-15	5.243E-15	6.079E-31	4.651E+03	-6.085E+02	2.464E+02	5.243E-15	-4.685E-15	1.571E+00	4.663E+03	-6.200E+02	4.671E-02
21	3	40921.73	-76.10	40.80	1	3.169E-15	-2.369E-15	-6.782E-31	4.260E+01	1.491E+02	1.499E+03	3.169E-15	-2.369E-15	0.000E+00	1.595E+03	-1.404E+03	8.032E-01
21	4	40912.23	-25.37	40.80	1	-1.908E-16	7.491E-16	-5.755E-32	-4.695E+03	7.554E+01	-2.054E+02	7.491E-16	-1.908E-16	1.571E+00	8.436E+01	-4.704E+03	1.614E+00
22	1	40940.06	-76.10	40.80	1	9.337E-16	-1.032E-16	-3.853E-16	-7.548E+01	-2.894E+02	1.581E+03	1.061E-15	-2.307E-16	0.000E+00	1.402E+03	-1.767E+03	7.516E-01
22	2	40967.23	-126.83	40.80	1	-1.404E-15	1.962E-15	2.061E-31	3.216E+03	-2.064E+03	1.062E+03	1.962E-15	-1.404E-15	1.571E+00	3.421E+03	-2.270E+03	1.912E-01
22	3	40994.40	-76.10	40.80	1	1.048E-15	-7.619E-16	-2.216E-31	-9.499E+01	-2.256E+03	1.572E+03	1.048E-15	-7.619E-16	0.000E+00	7.320E+02	-3.083E+03	4.843E-01
22	4	40967.23	-25.37	40.80	1	-2.054E-16	7.638E-16	-5.934E-32	-3.231E+03	-1.569E+03	-7.190E+02	7.638E-16	-2.054E-16	1.571E+00	-1.301E+03	-3.499E+03	1.927E+00
23	1	41020.48	-76.10	40.80	1	4.921E-29	3.325E-29	-1.039E-29	-1.479E+02	-2.649E+03	1.084E+03	5.433E-29	2.813E-29	0.000E+00	2.568E+02	-3.054E+03	3.572E-01
23	2	41045.48	-126.83	40.80	1	-5.343E-29	8.865E-29	8.700E-45	1.296E+03	-3.334E+03	3.905E+02	8.865E-29	-5.343E-29	1.571E+00	1.329E+03	-3.366E+03	8.356E-02
23	3	41070.48	-76.10	40.80	1	8.478E-29	-2.723E-29	-1.372E-44	2.173E+01	-1.581E+03	7.269E+02	8.478E-29	-2.723E-29	0.000E+00	3.023E+02	-1.861E+03	3.684E-01
23	4	41045.48	-25.37	40.80	1	-8.469E-30	1.133E-28	-7.454E-45	-1.334E+03	-1.812E+03	-3.838E+02	1.133E-28	-8.469E-30	1.571E+00	-1.121E+03	-2.025E+03	-5.067E-01
24	1	41120.48	-126.83	40.80	1	-1.648E-32	2.603E-32	4.137E-32	-1.137E+03	7.516E+02	9.822E+01	5.129E-32	-4.174E-32	1.571E+00	7.567E+02	-1.142E+03	1.519E+00
24	2	41145.48	-76.10	40.80	1	-6.068E-33	1.958E-31	1.236E-47	-1.680E+02	2.417E+02	-2.765E+02	1.958E-31	-6.068E-33	1.571E+00	3.810E+02	-3.073E+02	2.037E+00
24	3	41120.48	-25.37	40.80	1	3.848E-31	5.531E-34	-4.706E-47	-4.346E+02	-3.862E+02	1.480E+02	3.848E-31	5.531E-34	0.000E+00	-2.604E+02	-5.604E+02	8.665E-01
24	4	41095.48	-76.10	40.80	1	2.281E-32	1.824E-31	-9.770E-48	-1.264E+03	1.102E+02	-4.443E+02	1.824E-31	2.281E-32	1.571E+00	2.414E+02	-1.395E+03	1.858E+00
25	1	40902.73	76.10	40.80	1	4.126E-17	2.751E-16	-1.102E-15	-6.334E+01	-4.804E+02	3.618E+02	1.266E-15	-9.500E-16	1.571E+00	1.457E+02	-6.894E+02	5.240E-01
25	2	40912.23	25.37	40.80	1	-1.908E-16	7.491E-16	5.755E-32	-4.695E+03	7.554E+01	-2.054E+02	7.491E-16	-1.908E-16	1.571E+00	8.436E+01	-4.704E+03	1.614E+00
25	3	40921.73	76.10	40.80	1	3.169E-15	-2.369E-15	-6.782E-31	4.260E+01	1.491E+02	-1.499E+03	3.169E-15	-2.369E-15	0.000E+00	1.595E+03	-1.404E+03	2.338E+00
25	4	40912.23	126.83	40.80	1	-4.685E-15	5.243E-15	-6.079E-31	4.651E+03	-6.085E+02	-2.464E+02	5.243E-15	-4.685E-15	1.571E+00	4.663E+03	-6.200E+02	-4.671E-02
26	1	40940.06	76.10	40.80	1	9.337E-16	-1.032E-16	3.853E-16	-7.548E+01	-2.894E+02	-1.581E+03	1.061E-15	-2.307E-16	0.000E+00	1.402E+03	-1.767E+03	-7.516E-01
26	2	40967.23	25.37	40.80	1	-2.054E-16	7.638E-16	5.934E-32	-3.231E+03	-1.569E+03	-7.190E+02	7.638E-16	-2.054E-16	1.571E+00	-1.301E+03	-3.499E+03	1.927E+00
26	3	40994.40	76.10	40.80	1	1.048E-15	-7.619E-16	-2.216E-31	-9.499E+01	-2.256E+03	-1.572E+03	1.048E-15	-7.619E-16	0.000E+00	7.320E+02	-3.083E+03	-4.843E-01
26	4	40967.23	126.83	40.80	1	-1.404E-15	1.962E-15	-2.061E-31	3.216E+03	-2.064E+03	-1.062E+03	1.962E-15	-1.404E-15	1.571E+00	3.421E+03	-2.270E+03	-1.912E-01
27	1	41020.48	76.10	40.80	1	4.921E-29	3.325E-29	1.039E-29	-1.479E+02	-2.649E+03	-1.084E+03	5.433E-29	2.813E-29	0.000E+00	2.568E+02	-3.054E+03	-3.572E-01
27	2	41045.48	25.37	40.80	1	-8.469E-30	1.133E-28	7.454E-45	-1.334E+03	-1.812E+03	-3.838E+02	1.133E-28	-8.469E-30	1.571E+00	-1.121E+03	-2.025E+03	-5.067E-01
27	3	41070.48	76.10	40.80	1	8.478E-29	-2.723E-29	-1.372E-44	2.173E+01	-1.581E+03	-7.269E+02	8.478E-29	-2.723E-29	0.000E+00	3.023E+02	-1.861E+03	-3.684E-01
27	4	41045.48	126.83	40.80	1	-5.343E-29	8.865E-29	-8.700E-45	1.296E+03	-3.334E+03	-3.905E+02	8.865E-29	-5.343E-29	1.571E+00	1.329E+03	-3.366E+03	-8.356E-02
28	1	41120.48	25.37	40.80	1	3.883E-31	3.210E-32	-6.410E-32	-4.346E+02	-3.862E+02	1.480E+02	3.995E-31	2.091E-32	0.000E+00	-2.604E+02	-5.604E+02	8.665E-01
28	2	41145.48	76.10	40.80	1	3.478E-32	2.151E-31	1.104E-47	-1.680E+02	2.417E+02	-2.765E+02	2.151E-31	3.478E-32	1.571E+00	3.810E+02	-3.073E+02	1.104E+00
28	3	41120.48	126.83	40.80	1	8.044E-32	-1.690E-32	-1.192E-47	-1.137E+03	7.516E+02	-9.822E+01	8.044E-32	-1.690E-32	0.000E+00	7.567E+02	-1.142E+03	1.623E+00
28	4	41095.48	76.10	40.80	1	1.829E-32	2.158E-31	-1.210E-47	-1.264E+03	1.102E+02	4.443E+02	2.158E-31	1.829E-32	1.571E+00	2.414E+02	-1.395E+03	1.284E+00
29	1	40902.73	213.60	40.80	1	-5.074E-17	-3.383E-16	-1.102E-15	3.364E+03	9.455E+02	-5.523E+02	9.168E-16	-1.306E-15	0.000E+00	3.484E+03	8.253E+02	-2.142E-01
29	2	40912.23	172.67	40.80	1	-5.296E-15	4.604E-15	6.061E-31	7.402E+03	2.640E+03	-7.833E+00	4.604E-15	-5.296E-15	1.571E+00	7.402E+03	2.640E+03	-1.645E-03
29	3	40921.73	213.60	40.80	1	2.406E-15	-3.401E-15	-7.111E-31	3.243E+03	9.411E+02	1.164E+03	2.406E-15	-3.401E-15	0.000E+00	3.729E+03	4.548E+02	3.956E-01
29	4	40912.23	254.53	40.80	1	-9.301E-16	2.381E-16	-7.153E-32	-7.709E+02	-5.048E+02	3.751E+02	2.381E-16	-9.301E-16	1.571E+00	-2.399E+02	-1.036E+03	9.558E-01
30	1	40940.06	213.60	40.80	1	-1.160E-15	1.109E-16	3.853E-16	3.092E+03	6.510E+02	1.560E+03	2.186E-16	-1.268E-15	1.571E+00	3.852E+03	-1.088E+02	4.534E-01

30	2	40967.23	172.67	40.80	1	-2.009E-15	1.317E-15	2.037E-31	4.707E+03	-1.525E+03	-5.671E+02	1.317E-15	-2.009E-15	1.571E+00	4.758E+03	-1.576E+03	-9.003E-02
30	3	40994.40	213.60	40.80	1	7.491E-16	-1.084E-15	-2.245E-31	1.589E+03	-3.007E+03	1.503E+03	7.491E-16	-1.084E-15	0.000E+00	2.037E+03	-3.455E+03	2.896E-01
30	4	40967.23	254.53	40.80	1	-9.544E-16	2.624E-16	-7.450E-32	1.718E+02	-1.468E+03	1.461E+03	2.624E-16	-9.544E-16	1.571E+00	1.027E+03	-2.323E+03	5.296E-01
31	1	41020.48	213.60	40.80	1	-2.774E-29	-1.659E-29	2.368E-29	1.600E+03	-2.409E+03	9.721E+02	2.166E-30	-4.649E-29	1.571E+00	1.823E+03	-2.633E+03	2.258E-01
31	2	41045.48	172.67	40.80	1	-8.578E-29	6.501E-29	9.233E-45	1.893E+03	-3.055E+03	-2.552E+02	6.501E-29	-8.578E-29	1.571E+00	1.906E+03	-3.068E+03	-5.140E-02
31	3	41070.48	213.60	40.80	1	5.008E-29	-7.945E-29	-1.586E-44	7.616E+02	-2.104E+03	6.650E+02	5.008E-29	-7.945E-29	0.000E+00	9.084E+02	-2.251E+03	2.173E-01
31	4	41045.48	254.53	40.80	1	-7.622E-29	2.329E-29	-6.094E-45	6.385E+02	-2.180E+03	1.173E+03	2.329E-29	-7.622E-29	1.571E+00	1.063E+03	-2.604E+03	3.471E-01
32	1	41120.48	172.67	40.80	1	-2.425E-35	3.961E-35	7.911E-35	-1.000E+03	1.282E+03	-1.021E+02	9.299E-35	-7.764E-35	1.571E+00	1.286E+03	-1.005E+03	1.615E+00
32	2	41145.48	213.60	40.80	1	-1.530E-34	3.219E-34	2.908E-50	-3.096E+02	6.209E+02	-2.655E+02	3.219E-34	-1.530E-34	1.571E+00	6.913E+02	-3.800E+02	1.830E+00
32	3	41120.48	254.53	40.80	1	3.770E-34	-4.755E-35	-5.199E-50	-5.224E+02	2.771E+02	-5.528E+02	3.770E-34	-4.755E-35	0.000E+00	5.595E+02	-8.049E+02	2.043E+00
32	4	41095.48	213.60	40.80	1	-1.548E-34	3.306E-34	-2.972E-50	-1.161E+03	9.254E+02	-4.319E+02	3.306E-34	-1.548E-34	1.571E+00	1.011E+03	-1.247E+03	1.767E+00
101	1	2457.75	-167.95	29.55	1	-1.013E-14	-6.691E-14	-7.711E-17	1.712E+03	3.280E+02	1.183E+03	-1.013E-14	-6.691E-14	0.000E+00	2.390E+03	-3.503E+02	5.208E-01
101	2	2467.25	-178.45	29.55	1	-2.571E-14	2.558E-14	3.140E-30	4.831E+02	1.938E+03	1.094E+03	2.558E-14	-2.571E-14	1.571E+00	2.524E+03	-1.028E+02	1.079E+00
101	3	2476.75	-167.95	29.55	1	6.678E-14	1.001E-14	-6.952E-30	1.625E+03	3.870E+03	8.211E+02	6.678E-14	1.001E-14	0.000E+00	4.139E+03	1.357E+03	1.255E+00
101	4	2467.25	-157.45	29.55	1	-2.586E-14	2.575E-14	-3.160E-30	2.418E+03	2.833E+03	1.455E+03	2.575E-14	-2.586E-14	1.571E+00	4.095E+03	1.156E+03	8.563E-01
102	1	2495.08	-167.95	29.55	1	-3.573E-15	-2.380E-14	-7.726E-17	-1.743E+02	6.358E+02	3.999E+02	-3.572E-15	-2.380E-14	0.000E+00	8.000E+02	-3.384E+02	1.181E+00
102	2	2522.25	-178.45	29.55	1	-2.577E-14	2.533E-14	3.129E-30	-2.748E+02	-3.758E+03	2.596E+02	2.533E-14	-2.577E-14	1.571E+00	-2.555E+02	-3.777E+03	7.398E-02
102	3	2549.42	-167.95	29.55	1	2.297E-14	3.617E-15	-2.370E-30	-1.185E+03	-8.079E+03	-1.484E+02	2.297E-14	3.617E-15	0.000E+00	-1.182E+03	-8.083E+03	-2.151E-02
102	4	2522.25	-157.45	29.55	1	-2.604E-14	2.570E-14	-3.168E-30	-7.317E+02	-3.685E+03	1.111E+03	2.570E-14	-2.604E-14	1.571E+00	-3.606E+02	-4.056E+03	3.224E-01
103	1	2576.58	-167.95	29.55	1	-3.429E-15	-2.404E-14	1.117E-16	-1.185E+03	-8.079E+03	-1.484E+02	-3.428E-15	-2.404E-14	0.000E+00	-1.182E+03	-8.083E+03	-2.151E-02
103	2	2603.75	-178.45	29.55	1	-2.617E-14	2.555E-14	3.167E-30	-2.748E+02	-3.758E+03	-2.596E+02	2.555E-14	-2.617E-14	1.571E+00	-2.555E+02	-3.777E+03	-7.398E-02
103	3	2630.92	-167.95	29.55	1	2.273E-14	3.466E-15	-2.359E-30	-1.743E+02	6.358E+02	-3.999E+02	2.273E-14	3.466E-15	0.000E+00	8.000E+02	-3.384E+02	1.960E+00
103	4	2603.75	-157.45	29.55	1	-2.589E-14	2.524E-14	-3.131E-30	-7.317E+02	-3.685E+03	-1.111E+03	2.524E-14	-2.589E-14	1.571E+00	-3.606E+02	-4.056E+03	-3.224E-01
104	1	2649.25	-167.95	29.55	1	-1.000E-14	-6.707E-14	9.412E-17	1.625E+03	3.870E+03	-8.211E+02	-1.000E-14	-6.707E-14	0.000E+00	4.139E+03	1.357E+03	1.887E+00
104	2	2658.75	-178.45	29.55	1	-2.588E-14	2.572E-14	3.159E-30	4.831E+02	1.938E+03	-1.094E+03	2.572E-14	-2.588E-14	1.571E+00	2.524E+03	-1.028E+02	2.063E+00
104	3	2668.25	-167.95	29.55	1	6.671E-14	9.864E-15	-6.961E-30	1.712E+03	3.280E+02	-1.183E+03	6.671E-14	9.864E-15	0.000E+00	2.390E+03	-3.503E+02	-5.208E-01
104	4	2658.75	-157.45	29.55	1	-2.573E-14	2.539E-14	-3.130E-30	2.418E+03	2.833E+03	-1.455E+03	2.539E-14	-2.573E-14	1.571E+00	4.095E+03	1.156E+03	2.285E+00
105	1	2467.25	-146.95	29.55	1	-7.895E-17	-2.715E-16	-2.557E-14	2.125E+03	5.785E+02	-8.719E+02	2.539E-14	-2.574E-14	0.000E+00	2.517E+03	1.863E+02	-4.227E-01
105	2	2476.75	-136.45	29.55	1	9.848E-15	6.685E-14	3.490E-30	3.770E+03	-5.393E+03	-1.106E+03	6.685E-14	9.848E-15	1.571E+00	3.901E+03	-5.525E+03	-1.184E-01
105	3	2467.25	-125.95	29.55	1	2.583E-14	-2.602E-14	-6.351E-30	1.814E+03	-1.237E+04	-2.624E+02	2.583E-14	-2.602E-14	0.000E+00	1.819E+03	-1.237E+04	-1.849E-02
105	4	2457.75	-136.45	29.55	1	-6.680E-14	-1.044E-14	-3.451E-30	6.274E+02	-6.747E+03	-1.644E+03	-1.044E-14	-6.680E-14	1.571E+00	9.771E+02	-7.097E+03	-2.097E-01
106	1	2522.25	-146.95	29.55	1	-3.165E-16	1.485E-16	-2.534E-14	-4.072E+03	-2.891E+03	-1.442E+03	2.525E-14	-2.542E-14	1.571E+00	-1.923E+03	-5.040E+03	2.162E+00
106	2	2549.42	-136.45	29.55	1	3.859E-15	2.323E-14	1.186E-30	-7.570E+03	-7.255E+03	-6.472E+02	2.323E-14	3.859E-15	1.571E+00	-6.746E+03	-8.079E+03	2.237E+00
106	3	2522.25	-125.95	29.55	1	2.609E-14	-2.608E-14	-6.388E-30	-4.275E+03	-9.327E+03	-1.932E+03	2.609E-14	-2.608E-14	0.000E+00	-3.621E+03	-9.981E+03	-3.265E-01
106	4	2495.08	-136.45	29.55	1	-2.355E-14	-3.704E-15	-1.215E-30	-7.783E+02	-7.204E+03	-2.029E+03	-3.704E-15	-2.355E-14	1.571E+00	-1.913E+02	-7.791E+03	-2.816E-01
107	1	2603.75	-146.95	29.55	1	-6.782E-16	9.340E-17	-2.590E-14	-4.072E+03	-2.891E+03	1.442E+03	2.561E-14	-2.620E-14	1.571E+00	-1.923E+03	-5.040E+03	9.796E-01
107	2	2630.92	-136.45	29.55	1	3.641E-15	2.246E-14	1.152E-30	-7.783E+02	-7.204E+03	2.029E+03	2.246E-14	3.641E-15	1.571E+00	-1.913E+02	-7.791E+03	2.816E-01
107	3	2603.75	-125.95	29.55	1	2.509E-14	-2.597E-14	-6.253E-30	-4.275E+03	-9.327E+03	1.932E+03	2.509E-14	-2.597E-14	0.000E+00	-3.621E+03	-9.981E+03	3.265E-01
107	4	2576.58	-136.45	29.55	1	-2.432E-14	-3.252E-15	-1.290E-30	-7.570E+03	-7.255E+03	-6.472E+02	-3.252E-15	-2.432E-14	1.571E+00	-6.746E+03	-8.079E+03	2.237E+00
108	1	2658.75	-146.95	29.55	1	-3.653E-16	-4.598E-16	-2.616E-14	2.125E+03	5.785E+02	8.719E+02	2.574E-14	-2.657E-14	0.000E+00	2.517E+03	1.863E+02	4.227E-01
108	2	2668.25	-136.45	29.55	1	8.742E-15	6.697E-14	3.566E-30	6.274E+02	-6.747E+03	1.644E+03	6.697E-14	8.742E-15	1.571E+00	9.771E+02	-7.097E+03	2.097E-01
108	3	2658.75	-125.95	29.55	1	2.454E-14	-2.500E-14	-6.066E-30	1.814E+03	-1.237E+04	2.624E+02	2.454E-14	-2.500E-14	0.000E+00	1.819E+03	-1.237E+04	1.849E-02
108	4	2649.25	-136.45	29.55	1	-6.722E-14	-9.777E-15	-3.517E-30	3.770E+03	-5.393E+03	1.106E+03	-9.777E-15	-6.722E-14	1.571E+00	3.901E+03	-5.525E+03	1.184E-01



109	1	2457.75	-60.35	29.55	1	-5.667E-15	-3.350E-14	6.581E-17	-3.885E+04	-5.046E+02	-2.746E+03	-5.667E-15	-3.350E-14	0.000E+00	-3.088E+02	-3.905E+04	1.642E+00
109	2	2467.25	-100.58	29.55	1	-3.550E-15	2.811E-15	3.895E-31	-2.539E+04	-3.665E+03	1.242E+02	2.811E-15	-3.550E-15	1.571E+00	-3.664E+03	-2.539E+04	1.565E+00
109	3	2476.75	-60.35	29.55	1	3.349E-14	4.056E-15	-3.605E-30	-3.877E+04	-1.329E+03	8.287E+02	3.349E-14	4.056E-15	0.000E+00	-1.310E+03	-3.879E+04	1.549E+00
109	4	2467.25	-20.12	29.55	1	-3.495E-15	2.611E-15	-3.739E-31	-5.233E+04	7.567E+02	4.916E+02	2.611E-15	-3.495E-15	1.571E+00	7.613E+02	-5.234E+04	1.562E+00
110	1	2495.08	-60.35	29.55	1	-2.754E-15	-1.191E-14	-8.507E-16	-3.972E+04	-3.732E+03	1.327E+03	-2.676E-15	-1.199E-14	0.000E+00	-3.683E+03	-3.977E+04	1.534E+00
110	2	2522.25	-100.58	29.55	1	-3.171E-15	3.239E-15	3.925E-31	-1.965E+04	-1.517E+04	2.026E+03	3.239E-15	-3.171E-15	1.571E+00	-1.439E+04	-2.043E+04	1.203E+00
110	3	2549.42	-60.35	29.55	1	1.076E-14	2.969E-15	-9.537E-31	-3.802E+04	-1.997E+04	-1.343E+03	1.076E-14	2.969E-15	0.000E+00	-1.987E+04	-3.812E+04	1.645E+00
110	4	2522.25	-20.12	29.55	1	-5.347E-15	4.344E-15	-5.934E-31	-5.562E+04	-1.607E+04	1.780E+03	4.344E-15	-5.347E-15	1.571E+00	-1.599E+04	-5.570E+04	1.526E+00
111	1	2576.58	-60.35	29.55	1	-1.189E-16	-1.076E-14	1.004E-15	-3.802E+04	-1.997E+04	-1.343E+03	-2.504E-17	-1.085E-14	0.000E+00	-1.987E+04	-3.812E+04	1.645E+00
111	2	2603.75	-100.58	29.55	1	-3.781E-15	3.522E-15	4.472E-31	-1.965E+04	-1.517E+04	-2.026E+03	3.522E-15	-3.781E-15	1.571E+00	-1.439E+04	-2.043E+04	1.939E+00
111	3	2630.92	-60.35	29.55	1	1.351E-14	1.001E-15	-1.532E-30	-3.972E+04	-3.732E+03	-1.327E+03	1.351E-14	1.001E-15	0.000E+00	-3.683E+03	-3.977E+04	1.608E+00
111	4	2603.75	-20.12	29.55	1	-9.141E-16	4.807E-15	-3.503E-31	-5.562E+04	-1.607E+04	1.780E+03	4.807E-15	-9.141E-16	1.571E+00	-1.599E+04	-5.570E+04	1.526E+00
112	1	2649.25	-60.35	29.55	1	-5.957E-15	-3.333E-14	3.987E-17	-3.877E+04	-1.329E+03	-8.287E+02	-5.957E-15	-3.333E-14	0.000E+00	-1.310E+03	-3.879E+04	1.593E+00
112	2	2658.75	-100.58	29.55	1	-3.801E-15	2.832E-15	4.062E-31	-2.539E+04	-3.665E+03	-1.242E+02	2.832E-15	-3.801E-15	1.571E+00	-3.664E+03	-2.539E+04	1.577E+00
112	3	2668.25	-60.35	29.55	1	3.360E-14	3.906E-15	-3.637E-30	-3.885E+04	-5.046E+02	2.746E+03	3.360E-14	3.906E-15	0.000E+00	-3.088E+02	-3.905E+04	1.500E+00
112	4	2658.75	-20.12	29.55	1	-3.681E-15	2.868E-15	-4.010E-31	-5.233E+04	7.567E+02	4.916E+02	2.868E-15	-3.681E-15	1.571E+00	7.613E+02	-5.234E+04	1.562E+00
113	1	2457.75	60.35	29.55	1	1.902E-15	3.356E-14	-5.879E-16	-3.885E+04	-5.046E+02	2.746E+03	3.357E-14	1.891E-15	1.571E+00	-3.088E+02	-3.905E+04	1.500E+00
113	2	2467.25	20.12	29.55	1	-6.619E-15	2.748E-15	5.736E-31	-5.233E+04	7.567E+02	4.916E+02	2.748E-15	-6.619E-15	1.571E+00	7.613E+02	-5.234E+04	1.562E+00
113	3	2476.75	60.35	29.55	1	-8.590E-15	-3.310E-14	-3.002E-30	-3.877E+04	-1.329E+03	-8.287E+02	-8.590E-15	-3.310E-14	0.000E+00	-1.310E+03	-3.879E+04	1.593E+00
113	4	2467.25	100.58	29.55	1	-5.117E-15	2.757E-15	-4.821E-31	-2.539E+04	-3.665E+03	-1.242E+02	2.757E-15	-5.117E-15	1.571E+00	-3.664E+03	-2.539E+04	1.577E+00
114	1	2495.08	60.35	29.55	1	-1.805E-15	1.223E-14	-2.047E-15	-3.972E+04	-3.732E+03	-1.327E+03	1.252E-14	-2.098E-15	1.571E+00	-3.683E+03	-3.977E+04	1.608E+00
114	2	2522.25	20.12	29.55	1	-1.164E-14	3.614E-15	9.338E-31	-5.562E+04	-1.607E+04	1.780E+03	3.614E-15	-1.164E-14	1.571E+00	-1.599E+04	-5.570E+04	1.526E+00
114	3	2549.42	60.35	29.55	1	-6.568E-15	-1.357E-14	-8.570E-31	-3.802E+04	-1.997E+04	1.343E+03	-6.568E-15	-1.357E-14	0.000E+00	-1.987E+04	-3.812E+04	1.497E+00
114	4	2522.25	100.58	29.55	1	-7.561E-15	5.876E-15	-8.228E-31	-1.965E+04	-1.517E+04	-2.026E+03	5.876E-15	-7.561E-15	1.571E+00	-1.439E+04	-2.043E+04	1.939E+00
115	1	2576.58	60.35	29.55	1	-6.894E-15	1.846E-14	-8.233E-15	-3.802E+04	-1.997E+04	1.343E+03	2.090E-14	-9.333E-15	1.571E+00	-1.987E+04	-3.812E+04	1.497E+00
115	2	2603.75	20.12	29.55	1	-4.352E-15	9.117E-15	8.247E-31	-5.562E+04	-1.607E+04	1.780E+03	9.117E-15	-4.352E-15	1.571E+00	-1.599E+04	-5.570E+04	1.526E+00
115	3	2630.92	60.35	29.55	1	1.162E-14	-1.463E-14	-3.215E-30	-3.972E+04	-3.732E+03	1.327E+03	1.162E-14	-1.463E-14	0.000E+00	-3.683E+03	-3.977E+04	1.534E+00
115	4	2603.75	100.58	29.55	1	-8.045E-15	1.184E-14	-1.218E-30	-1.965E+04	-1.517E+04	2.026E+03	1.184E-14	-8.045E-15	1.571E+00	-1.439E+04	-2.043E+04	1.203E+00
116	1	2649.25	60.35	29.55	1	1.487E-14	2.887E-14	2.866E-15	-3.877E+04	-1.329E+03	8.287E+02	2.943E-14	1.430E-14	1.571E+00	-1.310E+03	-3.879E+04	1.549E+00
116	2	2658.75	20.12	29.55	1	-1.167E-15	1.082E-14	7.338E-31	-5.233E+04	7.567E+02	4.916E+02	1.082E-14	-1.167E-15	1.571E+00	7.613E+02	-5.234E+04	1.562E+00
116	3	2668.25	60.35	29.55	1	6.631E-16	-3.624E-14	-4.519E-30	-3.885E+04	-5.046E+02	-2.746E+03	6.631E-16	-3.624E-14	0.000E+00	-3.088E+02	-3.905E+04	1.642E+00
116	4	2658.75	100.58	29.55	1	-1.379E-14	1.230E-14	-1.598E-30	-2.539E+04	-3.665E+03	1.242E+02	1.230E-14	-1.379E-14	1.571E+00	-3.664E+03	-2.539E+04	1.565E+00
117	1	2467.25	125.95	29.55	1	3.536E-16	-7.145E-15	2.402E-14	1.814E+03	-1.237E+04	2.624E+02	2.092E-14	-2.771E-14	0.000E+00	1.819E+03	-1.237E+04	1.849E-02
117	2	2476.75	136.45	29.55	1	-6.616E-14	-1.852E-14	2.917E-30	3.770E+03	-5.393E+03	1.106E+03	-1.852E-14	-6.616E-14	1.571E+00	3.901E+03	-5.525E+03	1.184E-01
117	3	2467.25	146.95	29.55	1	2.522E-14	-3.198E-14	-7.004E-30	2.125E+03	5.785E+02	8.719E+02	2.522E-14	-3.198E-14	0.000E+00	2.517E+03	1.863E+02	4.227E-01
117	4	2457.75	136.45	29.55	1	4.244E-15	6.688E-14	-3.835E-30	6.274E+02	-6.747E+03	1.644E+03	6.688E-14	4.244E-15	1.571E+00	9.771E+02	-7.097E+03	2.097E-01
118	1	2522.25	125.95	29.55	1	5.396E-15	-6.428E-15	2.051E-14	-4.275E+03	-9.327E+03	1.932E+03	2.083E-14	-2.186E-14	0.000E+00	-3.621E+03	-9.981E+03	3.265E-01
118	2	2549.42	136.45	29.55	1	-2.472E-14	-1.720E-15	1.408E-30	-7.570E+03	-7.255E+03	-6.472E+02	-1.720E-15	-2.472E-14	1.571E+00	-6.746E+03	-8.079E+03	2.237E+00
118	3	2522.25	146.95	29.55	1	2.888E-14	-3.327E-14	-7.611E-30	-4.072E+03	-2.891E+03	1.442E+03	2.888E-14	-3.327E-14	0.000E+00	-1.923E+03	-5.040E+03	9.796E-01
118	4	2495.08	136.45	29.55	1	-4.979E-15	2.599E-14	-1.896E-30	-7.783E+02	-7.204E+03	2.029E+03	2.599E-14	-4.979E-15	1.571E+00	-1.913E+02	-7.791E+03	2.816E-01
119	1	2603.75	125.95	29.55	1	4.855E-15	1.494E-14	3.622E-14	-4.275E+03	-9.327E+03	-1.932E+03	4.647E-14	-2.667E-14	1.571E+00	-3.621E+03	-9.981E+03	-3.265E-01
119	2	2630.92	136.45	29.55	1	-1.976E-14	2.928E-14	3.003E-30	-7.783E+02	-7.204E+03	-2.029E+03	2.928E-14	-1.976E-14	1.571E+00	-1.913E+02	-7.791E+03	-2.816E-01
119	3	2603.75	146.95	29.55	1	2.706E-14	-3.369E-15	-3.727E-30	-4.072E+03	-2.891E+03	-1.442E+03	2.706E-14	-3.369E-15	0.000E+00	-1.923E+03	-5.040E+03	2.162E+00

119	4	2576.58	136.45	29.55	1	7.289E-16	3.324E-14	-1.990E-30	-7.570E+03	-7.255E+03	-6.472E+02	3.324E-14	7.289E-16	1.571E+00	-6.746E+03	-8.079E+03	2.237E+00
120	1	2658.75	125.95	29.55	1	2.164E-15	7.966E-14	3.210E-14	1.814E+03	-1.237E+04	-2.624E+02	9.123E-14	-9.402E-15	1.571E+00	1.819E+03	-1.237E+04	-1.849E-02
120	2	2668.25	136.45	29.55	1	-6.259E-14	1.124E-13	1.071E-29	6.274E+02	-6.747E+03	-1.644E+03	1.124E-13	-6.259E-14	1.571E+00	9.771E+02	-7.097E+03	-2.097E-01
120	3	2658.75	146.95	29.55	1	8.323E-14	2.777E-14	-6.792E-30	2.125E+03	5.785E+02	-8.719E+02	8.323E-14	2.777E-14	0.000E+00	2.517E+03	1.863E+02	-4.227E-01
120	4	2649.25	136.45	29.55	1	3.692E-14	1.061E-13	-4.237E-30	3.770E+03	-5.393E+03	-1.106E+03	1.061E-13	3.692E-14	1.571E+00	3.901E+03	-5.525E+03	-1.184E-01
121	1	2467.25	157.45	29.55	1	7.858E-16	-4.546E-15	2.464E-14	2.833E+03	2.418E+03	1.455E+03	2.291E-14	-2.667E-14	0.000E+00	4.095E+03	1.156E+03	7.145E-01
121	2	2476.75	167.95	29.55	1	-6.718E-14	-1.669E-14	3.092E-30	3.870E+03	1.625E+03	8.211E+02	-1.669E-14	-6.718E-14	1.571E+00	4.139E+03	1.357E+03	3.158E-01
121	3	2467.25	178.45	29.55	1	2.530E-14	-3.176E-14	-6.988E-30	1.938E+03	4.831E+02	1.094E+03	2.530E-14	-3.176E-14	0.000E+00	2.524E+03	-1.028E+02	4.918E-01
121	4	2457.75	167.95	29.55	1	8.523E-15	6.512E-14	-3.466E-30	3.280E+02	1.712E+03	1.183E+03	6.512E-14	8.523E-15	1.571E+00	2.390E+03	-3.503E+02	1.050E+00
122	1	2522.25	157.45	29.55	1	-1.172E-15	-8.685E-15	2.094E-14	-3.685E+03	-7.317E+02	1.111E+03	1.635E-14	-2.620E-14	0.000E+00	-3.606E+02	-4.056E+03	1.248E+00
122	2	2549.42	167.95	29.55	1	-3.311E-14	-5.405E-15	1.697E-30	-8.079E+03	-1.185E+03	-1.484E+02	-5.405E-15	-3.311E-14	1.571E+00	-1.182E+03	-8.083E+03	1.592E+00
122	3	2522.25	178.45	29.55	1	2.313E-14	-3.805E-14	-7.492E-30	-3.758E+03	-2.748E+02	2.596E+02	2.313E-14	-3.805E-14	0.000E+00	-2.555E+02	-3.777E+03	1.497E+00
122	4	2495.08	167.95	29.55	1	-4.079E-15	1.781E-14	-1.340E-30	6.358E+02	-1.743E+02	3.999E+02	1.781E-14	-4.079E-15	1.571E+00	8.000E+02	-3.384E+02	3.895E-01
123	1	2603.75	157.45	29.55	1	1.135E-14	1.019E-14	3.133E-14	-3.685E+03	-7.317E+02	-1.111E+03	4.211E-14	-2.056E-14	0.000E+00	-3.606E+02	-4.056E+03	1.893E+00
123	2	2630.92	167.95	29.55	1	-2.487E-14	3.324E-14	3.559E-30	6.358E+02	-1.743E+02	-3.999E+02	3.324E-14	-2.487E-14	1.571E+00	8.000E+02	-3.384E+02	-3.895E-01
123	3	2603.75	178.45	29.55	1	3.318E-14	-1.541E-14	-5.950E-30	-3.758E+03	-2.748E+02	-2.596E+02	3.318E-14	-1.541E-14	0.000E+00	-2.555E+02	-3.777E+03	1.645E+00
123	4	2576.58	167.95	29.55	1	-3.135E-15	3.409E-14	-2.279E-30	-8.079E+03	-1.185E+03	-1.484E+02	3.409E-14	-3.135E-15	1.571E+00	-1.182E+03	-8.083E+03	1.592E+00
124	1	2658.75	157.45	29.55	1	4.877E-14	1.245E-13	3.953E-14	2.833E+03	2.418E+03	-1.455E+03	1.413E-13	3.189E-14	1.571E+00	4.095E+03	1.156E+03	-7.145E-01
124	2	2668.25	167.95	29.55	1	-1.054E-13	2.378E-13	2.102E-29	3.280E+02	1.712E+03	-1.183E+03	2.378E-13	-1.054E-13	1.571E+00	2.390E+03	-3.503E+02	2.092E+00
124	3	2658.75	178.45	29.55	1	1.649E-13	-6.998E-14	-2.876E-29	1.938E+03	4.831E+02	-1.094E+03	1.649E-13	-6.998E-14	0.000E+00	2.524E+03	-1.028E+02	-4.918E-01
124	4	2649.25	167.95	29.55	1	1.114E-15	1.347E-13	-8.177E-30	3.870E+03	1.625E+03	-8.211E+02	1.347E-13	1.114E-15	1.571E+00	4.139E+03	1.357E+03	-3.158E-01
125	1	5020.75	-167.95	32.10	1	-9.265E-01	9.882E-03	-4.923E-01	1.803E+03	3.995E+02	1.165E+03	2.211E-01	-1.138E+00	1.976E+00	2.461E+03	-2.591E+02	5.144E-01
125	2	5030.25	-178.45	32.10	1	-2.606E-02	-7.897E-01	-3.696E-01	4.228E+02	1.744E+03	1.057E+03	1.235E-01	-9.393E-01	-3.846E-01	2.330E+03	-1.630E+02	1.065E+00
125	3	5039.75	-167.95	32.10	1	5.960E-01	-4.400E-01	-7.442E-01	1.375E+03	3.538E+03	7.538E+02	9.847E-01	-8.287E-01	-4.813E-01	3.775E+03	1.139E+03	1.266E+00
125	4	5030.25	-157.45	32.10	1	-3.044E-01	3.595E-01	-8.669E-01	2.344E+03	2.734E+03	1.605E+03	9.558E-01	-9.007E-01	2.173E+00	4.156E+03	9.215E+02	8.458E-01
126	1	5058.08	-167.95	32.10	1	7.267E-01	4.310E-01	5.433E-01	-3.557E+02	3.879E+02	3.063E+02	1.142E+00	1.578E-02	6.526E-01	4.978E+02	-4.656E+02	1.226E+00
126	2	5085.25	-178.45	32.10	1	-9.345E-03	5.863E-01	7.146E-01	-2.367E+02	-3.753E+03	1.289E+02	1.063E+00	-4.857E-01	9.828E-01	-2.320E+02	-3.758E+03	3.661E-02
126	3	5112.41	-167.95	32.10	1	-6.130E-01	4.304E-01	8.857E-01	-9.389E+02	-7.847E+03	9.410E+01	9.366E-01	-1.119E+00	1.052E+00	-9.376E+02	-7.848E+03	1.362E-02
126	4	5085.25	-157.45	32.10	1	1.230E-01	2.751E-01	7.144E-01	-7.141E+02	-3.706E+03	8.456E+02	9.175E-01	-5.194E-01	8.384E-01	-4.916E+02	-3.928E+03	2.573E-01
127	1	5139.58	-167.95	32.10	1	-6.136E-01	4.265E-01	-8.854E-01	-9.411E+02	-7.846E+03	7.624E+01	9.333E-01	-1.120E+00	2.091E+00	-9.402E+02	-7.847E+03	1.104E-02
127	2	5166.75	-178.45	32.10	1	-2.990E-03	5.775E-01	-7.199E-01	-2.420E+02	-3.761E+03	-1.123E+02	1.063E+00	-4.889E-01	2.165E+00	-2.385E+02	-3.765E+03	-3.187E-02
127	3	5193.91	-167.95	32.10	1	7.357E-01	4.272E-01	-5.541E-01	-3.676E+02	3.742E+02	-2.947E+02	1.157E+00	6.296E-03	-6.496E-01	4.770E+02	-4.704E+02	1.907E+00
127	4	5166.75	-157.45	32.10	1	1.251E-01	2.762E-01	-7.196E-01	-7.207E+02	-3.710E+03	-8.256E+02	9.242E-01	-5.229E-01	2.304E+00	-5.078E+02	-3.923E+03	-2.523E-01
128	1	5212.25	-167.95	32.10	1	6.040E-01	-4.507E-01	7.617E-01	1.361E+03	3.517E+03	-7.445E+02	1.003E+00	-8.498E-01	4.826E-01	3.749E+03	1.129E+03	1.873E+00
128	2	5221.75	-178.45	32.10	1	-2.973E-02	-8.080E-01	3.798E-01	4.202E+02	1.729E+03	-1.053E+03	1.249E-01	-9.626E-01	3.866E-01	2.314E+03	-1.651E+02	2.078E+00
128	3	5231.25	-167.95	32.10	1	-9.477E-01	7.869E-03	5.046E-01	1.803E+03	4.017E+02	-1.161E+03	2.250E-01	-1.165E+00	1.164E+00	2.458E+03	-2.539E+02	-5.140E-01
128	4	5221.75	-157.45	32.10	1	-3.139E-01	3.652E-01	8.866E-01	2.334E+03	2.728E+03	-1.609E+03	9.750E-01	-9.237E-01	9.683E-01	4.151E+03	9.102E+02	2.295E+00
129	1	5030.25	-146.95	32.10	1	2.355E-02	-2.544E+00	7.790E-01	2.218E+03	1.587E+03	-1.018E+03	2.414E-01	-2.762E+00	2.727E-01	2.968E+03	8.370E+02	-6.352E-01
129	2	5039.75	-136.45	32.10	1	2.789E-01	-3.505E+00	4.563E-01	3.982E+03	-4.154E+03	-1.040E+03	3.332E-01	-3.559E+00	1.183E-01	4.113E+03	-4.284E+03	-1.252E-01
129	3	5030.25	-125.95	32.10	1	-3.764E-02	-2.529E+00	1.469E-01	1.963E+03	-1.135E+04	-2.167E+02	-2.901E-02	-2.538E+00	5.868E-02	1.967E+03	-1.136E+04	-1.627E-02
129	4	5020.75	-136.45	32.10	1	-2.930E-01	-1.569E+00	4.697E-01	5.044E+02	-5.846E+03	-1.607E+03	-1.388E-01	-1.723E+00	3.173E-01	8.877E+02	-6.229E+03	-2.342E-01
130	1	5085.25	-146.95	32.10	1	-3.055E-03	-1.731E+00	-6.655E-01	-3.982E+03	-2.165E+03	-1.209E+03	2.235E-01	-1.958E+00	-3.282E-01	-1.561E+03	-4.586E+03	2.034E+00
130	2	5112.41	-136.45	32.10	1	-3.109E-02	1.137E-01	-6.976E-01	-7.575E+03	-6.838E+03	-6.203E+02	7.427E-01	-6.601E-01	2.305E+00	-6.485E+03	-7.928E+03	2.088E+00

130	3	5085.25	-125.95	32.10	1	-6.083E-02	-1.707E+00	-6.662E-01	-4.207E+03	-8.635E+03	-1.905E+03	1.750E-01	-1.942E+00	-3.403E-01	-3.500E+03	-9.342E+03	-3.553E-01
130	4	5058.08	-136.45	32.10	1	-3.280E-02	-3.551E+00	-6.341E-01	-6.153E+02	-5.963E+03	-1.973E+03	7.798E-02	-3.662E+00	-1.730E-01	3.410E+01	-6.612E+03	-3.179E-01
131	1	5166.75	-146.95	32.10	1	-8.099E-03	-1.770E+00	6.711E-01	-3.982E+03	-2.144E+03	1.192E+03	2.184E-01	-1.997E+00	3.255E-01	-1.558E+03	-4.568E+03	1.114E+00
131	2	5193.91	-136.45	32.10	1	-3.598E-02	-3.631E+00	6.417E-01	-6.104E+02	-5.915E+03	1.966E+03	7.514E-02	-3.742E+00	1.715E-01	3.879E+01	-6.565E+03	3.189E-01
131	3	5166.75	-125.95	32.10	1	-6.213E-02	-1.747E+00	6.718E-01	-4.204E+03	-8.614E+03	1.899E+03	1.729E-01	-1.982E+00	3.365E-01	-3.499E+03	-9.319E+03	3.555E-01
131	4	5139.58	-136.45	32.10	1	-3.424E-02	1.132E-01	7.012E-01	-7.578E+03	-6.837E+03	-6.076E+02	7.445E-01	-6.656E-01	8.378E-01	-6.495E+03	-7.919E+03	2.082E+00
132	1	5221.75	-146.95	32.10	1	2.137E-02	-2.606E+00	-8.005E-01	2.220E+03	1.628E+03	1.020E+03	2.460E-01	-2.831E+00	-2.736E-01	2.987E+03	8.616E+02	6.441E-01
132	2	5231.25	-136.45	32.10	1	-2.993E-01	-1.615E+00	-4.855E-01	4.998E+02	-5.811E+03	1.601E+03	-1.395E-01	-1.774E+00	-3.180E-01	8.828E+02	-6.194E+03	2.348E-01
132	3	5221.75	-125.95	32.10	1	-3.820E-02	-2.592E+00	-1.575E-01	1.971E+03	-1.132E+04	2.121E+02	-2.853E-02	-2.601E+00	-6.137E-02	1.974E+03	-1.132E+04	1.596E-02
132	4	5212.25	-136.45	32.10	1	2.825E-01	-3.583E+00	-4.725E-01	3.991E+03	-4.105E+03	1.032E+03	3.394E-01	-3.640E+00	-1.199E-01	4.120E+03	-4.235E+03	1.248E-01
133	1	5020.75	-60.35	32.10	1	-1.544E+00	4.919E-02	-3.743E-03	-3.801E+04	-4.837E+02	-2.769E+03	4.920E-02	-1.544E+00	1.573E+00	-2.805E+02	-3.821E+04	1.644E+00
133	2	5030.25	-100.58	32.10	1	-1.515E+00	1.145E-01	3.841E-02	-2.452E+04	-3.633E+03	9.447E+01	1.154E-01	-1.516E+00	1.547E+00	-3.633E+03	-2.452E+04	1.566E+00
133	3	5039.75	-60.35	32.10	1	-1.498E+00	2.857E-02	-6.749E-03	-3.794E+04	-1.330E+03	8.193E+02	2.860E-02	-1.498E+00	1.575E+00	-1.312E+03	-3.796E+04	1.548E+00
133	4	5030.25	-20.12	32.10	1	-1.528E+00	-3.676E-02	-4.890E-02	-5.153E+04	7.643E+02	4.954E+02	-3.516E-02	-1.529E+00	1.604E+00	7.690E+02	-5.153E+04	1.561E+00
134	1	5058.08	-60.35	32.10	1	-1.498E+00	2.987E-02	1.622E-01	-3.889E+04	-3.718E+03	1.320E+03	4.691E-02	-1.515E+00	1.466E+00	-3.668E+03	-3.894E+04	1.533E+00
134	2	5085.25	-100.58	32.10	1	-1.232E+00	1.038E-02	3.182E-01	-1.883E+04	-1.518E+04	2.031E+03	8.716E-02	-1.309E+00	1.334E+00	-1.427E+04	-1.973E+04	1.152E+00
134	3	5112.41	-60.35	32.10	1	-9.406E-01	-1.695E-01	1.790E-01	-3.722E+04	-2.010E+04	1.327E+03	-1.300E-01	-9.801E-01	1.354E+00	-1.999E+04	-3.732E+04	1.494E+00
134	4	5085.25	-20.12	32.10	1	-1.207E+00	-1.500E-01	2.298E-02	-5.483E+04	-1.609E+04	1.769E+03	-1.495E-01	-1.208E+00	1.549E+00	-1.601E+04	-5.491E+04	1.525E+00
135	1	5139.58	-60.35	32.10	1	-9.414E-01	-1.749E-01	-1.803E-01	-3.722E+04	-2.010E+04	1.332E+03	-1.346E-01	-9.817E-01	1.791E+00	-2.000E+04	-3.732E+04	1.494E+00
135	2	5166.75	-100.58	32.10	1	-1.251E+00	1.230E-02	-3.293E-01	-1.882E+04	-1.518E+04	-2.019E+03	9.297E-02	-1.332E+00	1.811E+00	-1.428E+04	-1.972E+04	1.989E+00
135	3	5193.91	-60.35	32.10	1	-1.536E+00	3.771E-02	-1.634E-01	-3.887E+04	-3.712E+03	-1.323E+03	5.451E-02	-1.553E+00	1.673E+00	-3.662E+03	-3.892E+04	1.608E+00
135	4	5166.75	-20.12	32.10	1	-1.226E+00	-1.494E-01	-1.447E-02	-5.482E+04	-1.609E+04	-1.769E+03	-1.493E-01	-1.226E+00	1.584E+00	-1.601E+04	-5.490E+04	1.616E+00
136	1	5212.25	-60.35	32.10	1	-1.537E+00	2.811E-02	1.041E-02	-3.793E+04	-1.331E+03	-8.153E+02	2.818E-02	-1.538E+00	1.564E+00	-1.312E+03	-3.795E+04	1.593E+00
136	2	5221.75	-100.58	32.10	1	-1.558E+00	1.168E-01	-4.244E-02	-2.450E+04	-3.633E+03	-9.373E+01	1.179E-01	-1.559E+00	1.596E+00	-3.633E+03	-2.450E+04	1.575E+00
136	3	5231.25	-60.35	32.10	1	-1.591E+00	5.235E-02	7.367E-03	-3.800E+04	-4.803E+02	2.775E+03	5.238E-02	-1.591E+00	1.566E+00	-2.762E+02	-3.820E+04	1.497E+00
136	4	5221.75	-20.12	32.10	1	-1.571E+00	-3.639E-02	6.022E-02	-5.152E+04	7.676E+02	-4.969E+02	-3.403E-02	-1.573E+00	1.532E+00	7.723E+02	-5.153E+04	1.580E+00
137	1	5020.75	60.35	32.10	1	-1.544E+00	4.919E-02	3.743E-03	-3.801E+04	-4.837E+02	2.769E+03	4.920E-02	-1.544E+00	1.568E+00	-2.805E+02	-3.821E+04	1.498E+00
137	2	5030.25	20.12	32.10	1	-1.528E+00	-3.676E-02	4.890E-02	-5.153E+04	7.643E+02	4.954E+02	-3.516E-02	-1.529E+00	1.538E+00	7.690E+02	-5.153E+04	1.561E+00
137	3	5039.75	60.35	32.10	1	-1.498E+00	2.857E-02	6.749E-03	-3.794E+04	-1.330E+03	-8.193E+02	2.860E-02	-1.498E+00	1.566E+00	-1.312E+03	-3.796E+04	1.593E+00
137	4	5030.25	100.58	32.10	1	-1.515E+00	1.145E-01	-3.841E-02	-2.452E+04	-3.633E+03	-9.447E+01	1.154E-01	-1.516E+00	1.594E+00	-3.633E+03	-2.452E+04	1.575E+00
138	1	5058.08	60.35	32.10	1	-1.498E+00	2.987E-02	-1.622E-01	-3.889E+04	-3.718E+03	-1.320E+03	4.691E-02	-1.515E+00	1.675E+00	-3.668E+03	-3.894E+04	1.608E+00
138	2	5085.25	20.12	32.10	1	-1.207E+00	-1.500E-01	-2.298E-02	-5.483E+04	-1.609E+04	1.769E+03	-1.495E-01	-1.208E+00	1.593E+00	-1.601E+04	-5.491E+04	1.525E+00
138	3	5112.41	60.35	32.10	1	-9.406E-01	-1.695E-01	-1.790E-01	-3.722E+04	-2.010E+04	-1.327E+03	-1.300E-01	-9.801E-01	1.788E+00	-1.999E+04	-3.732E+04	1.648E+00
138	4	5085.25	100.58	32.10	1	-1.232E+00	1.038E-02	-3.182E-01	-1.883E+04	-1.518E+04	-2.031E+03	8.716E-02	-1.309E+00	1.808E+00	-1.427E+04	-1.973E+04	1.990E+00
139	1	5139.58	60.35	32.10	1	-9.414E-01	-1.749E-01	1.803E-01	-3.722E+04	-2.010E+04	-1.332E+03	-1.346E-01	-9.817E-01	1.351E+00	-2.000E+04	-3.732E+04	1.648E+00
139	2	5166.75	20.12	32.10	1	-1.226E+00	-1.494E-01	1.447E-02	-5.482E+04	-1.609E+04	-1.769E+03	-1.493E-01	-1.226E+00	1.557E+00	-1.601E+04	-5.490E+04	1.616E+00
139	3	5193.91	60.35	32.10	1	-1.536E+00	3.771E-02	1.634E-01	-3.887E+04	-3.712E+03	1.323E+03	5.451E-02	-1.553E+00	1.468E+00	-3.662E+03	-3.892E+04	1.533E+00
139	4	5166.75	100.58	32.10	1	-1.251E+00	1.230E-02	3.293E-01	-1.882E+04	-1.518E+04	2.019E+03	9.297E-02	-1.332E+00	1.331E+00	-1.428E+04	-1.972E+04	1.152E+00
140	1	5212.25	60.35	32.10	1	-1.537E+00	2.811E-02	-1.041E-02	-3.793E+04	-1.331E+03	8.153E+02	2.818E-02	-1.538E+00	1.577E+00	-1.312E+03	-3.795E+04	1.549E+00
140	2	5221.75	20.12	32.10	1	-1.571E+00	-3.639E-02	6.022E-02	-5.152E+04	7.676E+02	-4.969E+02	-3.403E-02	-1.573E+00	1.610E+00	7.723E+02	-5.153E+04	1.580E+00
140	3	5231.25	60.35	32.10	1	-1.591E+00	5.235E-02	-7.367E-03	-3.800E+04	-4.803E+02	-2.775E+03	5.238E-02	-1.591E+00	1.575E+00	-2.762E+02	-3.820E+04	1.644E+00
140	4	5221.75	100.58	32.10	1	-1.558E+00	1.168E-01	4.244E-02	-2.450E+04	-3.633E+03	9.373E+01	1.179E-01	-1.559E+00	1.545E+00	-3.633E+03	-2.450E+04	1.566E+00
141	1	5030.25	125.95	32.10	1	-3.764E-02	-2.529E+00	-1.469E-01	1.963E+03	-1.135E+04	2.167E+02	-2.901E-02	-2.538E+00	-5.868E-02	1.967E+03	-1.136E+04	1.627E-02

141	2	5039.75	136.45	32.10	1	2.789E-01	-3.505E+00	-4.563E-01	3.982E+03	-4.154E+03	1.040E+03	3.332E-01	-3.559E+00	-1.183E-01	4.113E+03	-4.284E+03	1.252E-01
141	3	5030.25	146.95	32.10	1	2.355E-02	-2.544E+00	-7.790E-01	2.218E+03	1.587E+03	1.018E+03	2.414E-01	-2.762E+00	-2.727E-01	2.968E+03	8.370E+02	6.352E-01
141	4	5020.75	136.45	32.10	1	-2.930E-01	-1.569E+00	-4.697E-01	5.044E+02	-5.846E+03	1.607E+03	-1.388E-01	-1.723E+00	-3.173E-01	8.877E+02	-6.229E+03	2.342E-01
142	1	5085.25	125.95	32.10	1	-6.083E-02	-1.707E+00	6.662E-01	-4.207E+03	-8.635E+03	1.905E+03	1.750E-01	-1.942E+00	3.403E-01	-3.500E+03	-9.342E+03	3.553E-01
142	2	5112.41	136.45	32.10	1	-3.109E-02	1.137E-01	6.976E-01	-7.575E+03	-6.838E+03	6.203E+02	7.427E-01	-6.601E-01	8.371E-01	-6.485E+03	-7.928E+03	1.054E+00
142	3	5085.25	146.95	32.10	1	-3.055E-03	-1.731E+00	6.655E-01	-3.982E+03	-2.165E+03	1.209E+03	2.235E-01	-1.958E+00	3.282E-01	-1.561E+03	-4.586E+03	1.108E+00
142	4	5058.08	136.45	32.10	1	-3.280E-02	-3.551E+00	6.341E-01	-6.153E+02	-5.963E+03	1.973E+03	7.798E-02	-3.662E+00	1.730E-01	3.410E+01	-6.612E+03	3.179E-01
143	1	5166.75	125.95	32.10	1	-6.213E-02	-1.747E+00	-6.718E-01	-4.204E+03	-8.614E+03	-1.899E+03	1.729E-01	-1.982E+00	-3.365E-01	-3.499E+03	-9.319E+03	-3.555E-01
143	2	5193.91	136.45	32.10	1	-3.598E-02	-3.631E+00	-6.417E-01	-6.104E+02	-5.915E+03	-1.966E+03	7.514E-02	-3.742E+00	-1.715E-01	3.879E+01	-6.565E+03	-3.189E-01
143	3	5166.75	146.95	32.10	1	-8.099E-03	-1.770E+00	-6.711E-01	-3.982E+03	-2.144E+03	-1.192E+03	2.184E-01	-1.997E+00	-3.255E-01	-1.558E+03	-4.568E+03	2.028E+00
143	4	5139.58	136.45	32.10	1	-3.424E-02	1.132E-01	-7.012E-01	-7.578E+03	-6.837E+03	6.076E+02	7.445E-01	-6.656E-01	2.304E+00	-6.495E+03	-7.919E+03	1.059E+00
144	1	5221.75	125.95	32.10	1	-3.820E-02	-2.592E+00	1.575E-01	1.971E+03	-1.132E+04	-2.121E+02	-2.853E-02	-2.601E+00	6.137E-02	1.974E+03	-1.132E+04	-1.596E-02
144	2	5231.25	136.45	32.10	1	-2.993E-01	-1.615E+00	4.855E-01	4.998E+02	-5.811E+03	-1.601E+03	-1.395E-01	-1.774E+00	3.180E-01	8.828E+02	-6.194E+03	-2.348E-01
144	3	5221.75	146.95	32.10	1	2.137E-02	-2.606E+00	8.005E-01	2.220E+03	1.628E+03	-1.020E+03	2.460E-01	-2.831E+00	2.736E-01	2.987E+03	8.616E+02	-6.441E-01
144	4	5212.25	136.45	32.10	1	2.825E-01	-3.583E+00	4.725E-01	3.991E+03	-4.105E+03	-1.032E+03	3.394E-01	-3.640E+00	1.199E-01	4.120E+03	-4.235E+03	-1.248E-01
145	1	5030.25	157.45	32.10	1	3.595E-01	-3.044E-01	-8.669E-01	2.734E+03	2.344E+03	1.605E+03	9.558E-01	-9.007E-01	-6.025E-01	4.156E+03	9.215E+02	7.250E-01
145	2	5039.75	167.95	32.10	1	-4.400E-01	5.960E-01	-7.442E-01	3.538E+03	1.375E+03	7.538E+02	9.847E-01	-8.287E-01	2.052E+00	3.775E+03	1.139E+03	3.044E-01
145	3	5030.25	178.45	32.10	1	-7.897E-01	-2.606E-02	-3.696E-01	1.744E+03	4.228E+02	1.057E+03	1.235E-01	-9.393E-01	1.955E+00	2.330E+03	-1.630E+02	5.061E-01
145	4	5020.75	167.95	32.10	1	9.882E-03	-9.265E-01	-4.923E-01	3.995E+02	1.803E+03	1.165E+03	2.211E-01	-1.138E+00	-4.052E-01	2.461E+03	-2.591E+02	1.056E+00
146	1	5085.25	157.45	32.10	1	2.751E-01	1.230E-01	7.144E-01	-3.706E+03	-7.141E+02	8.456E+02	9.175E-01	-5.194E-01	7.324E-01	-4.916E+02	-3.928E+03	1.314E+00
146	2	5112.41	167.95	32.10	1	4.304E-01	-6.130E-01	8.857E-01	-7.847E+03	-9.389E+02	9.410E+01	9.366E-01	-1.119E+00	5.192E-01	-9.376E+02	-7.848E+03	1.557E+00
146	3	5085.25	178.45	32.10	1	5.863E-01	-9.345E-03	7.146E-01	-3.753E+03	-2.367E+02	1.289E+02	1.063E+00	-4.857E-01	5.880E-01	-2.320E+02	-3.758E+03	1.534E+00
146	4	5058.08	167.95	32.10	1	4.310E-01	7.267E-01	5.433E-01	3.879E+02	-3.557E+02	3.063E+02	1.142E+00	1.578E-02	9.182E-01	4.978E+02	-4.656E+02	3.446E-01
147	1	5166.75	157.45	32.10	1	2.762E-01	1.251E-01	-7.196E-01	-3.710E+03	-7.207E+02	-8.256E+02	9.242E-01	-5.229E-01	-7.331E-01	-5.078E+02	-3.923E+03	1.823E+00
147	2	5193.91	167.95	32.10	1	4.272E-01	7.357E-01	-5.541E-01	3.742E+02	-3.676E+02	-2.947E+02	1.157E+00	6.296E-03	2.220E+00	4.770E+02	-4.704E+02	-3.357E-01
147	3	5166.75	178.45	32.10	1	5.775E-01	-2.990E-03	-7.199E-01	-3.761E+03	-2.420E+02	-1.123E+02	1.063E+00	-4.889E-01	-5.938E-01	-2.385E+02	-3.765E+03	1.603E+00
147	4	5139.58	167.95	32.10	1	4.265E-01	-6.136E-01	-8.854E-01	-7.846E+03	-9.411E+02	7.624E+01	9.333E-01	-1.120E+00	-5.199E-01	-9.402E+02	-7.847E+03	1.560E+00
148	1	5221.75	157.45	32.10	1	3.652E-01	-3.139E-01	8.866E-01	2.728E+03	2.334E+03	-1.609E+03	9.750E-01	-9.237E-01	6.025E-01	4.151E+03	9.102E+02	-7.245E-01
148	2	5231.25	167.95	32.10	1	7.869E-03	-9.477E-01	5.046E-01	4.017E+02	1.803E+03	-1.161E+03	2.250E-01	-1.165E+00	4.063E-01	2.458E+03	-2.539E+02	2.085E+00
148	3	5221.75	178.45	32.10	1	-8.080E-01	-2.973E-02	3.798E-01	1.729E+03	4.202E+02	-1.053E+03	1.249E-01	-9.626E-01	1.184E+00	2.314E+03	-1.651E+02	-5.073E-01
148	4	5212.25	167.95	32.10	1	-4.507E-01	6.040E-01	7.617E-01	3.517E+03	1.361E+03	-7.445E+02	1.003E+00	-8.498E-01	1.088E+00	3.749E+03	1.129E+03	-3.022E-01
149	1	7583.75	-167.95	34.65	1	-1.341E-06	-8.941E-06	4.152E-15	1.712E+03	3.280E+02	1.183E+03	-1.341E-06	-8.941E-06	5.464E-10	2.390E+03	-3.503E+02	5.208E-01
149	2	7593.25	-178.45	34.65	1	2.801E-14	2.801E-14	3.438E-06	4.831E+02	1.938E+03	1.094E+03	3.438E-06	-3.438E-06	7.854E-01	2.524E+03	-1.028E+02	1.079E+00
149	3	7602.75	-167.95	34.65	1	1.341E-06	8.941E-06	1.068E-13	1.625E+03	3.870E+03	8.211E+02	8.941E-06	1.341E-06	1.571E+00	4.139E+03	1.357E+03	1.255E+00
149	4	7593.25	-157.45	34.65	1	8.413E-15	8.413E-15	-3.438E-06	2.418E+03	2.833E+03	1.455E+03	3.438E-06	-3.438E-06	-7.854E-01	4.095E+03	1.156E+03	8.563E-01
150	1	7621.08	-167.95	34.65	1	-4.690E-07	-3.127E-06	2.023E-14	-1.743E+02	6.358E+02	3.999E+02	-4.690E-07	-3.127E-06	7.612E-09	8.000E+02	-3.384E+02	1.181E+00
150	2	7648.25	-178.45	34.65	1	4.631E-14	4.631E-14	3.438E-06	-2.748E+02	-3.758E+03	2.596E+02	3.438E-06	-3.438E-06	7.854E-01	-2.555E+02	-3.777E+03	7.398E-02
150	3	7675.41	-167.95	34.65	1	4.690E-07	3.127E-06	5.909E-14	-1.185E+03	-8.079E+03	-1.484E+02	3.127E-06	4.690E-07	1.571E+00	-1.182E+03	-8.083E+03	-2.151E-02
150	4	7648.25	-157.45	34.65	1	3.811E-14	3.811E-14	-3.438E-06	-7.317E+02	-3.685E+03	1.111E+03	3.438E-06	-3.438E-06	-7.854E-01	-3.606E+02	-4.056E+03	3.224E-01
151	1	7702.58	-167.95	34.65	1	-4.690E-07	-3.127E-06	1.341E-14	-1.185E+03	-8.079E+03	-1.484E+02	-4.690E-07	-3.127E-06	5.044E-09	-1.182E+03	-8.083E+03	-2.151E-02
151	2	7729.75	-178.45	34.65	1	5.226E-14	5.226E-14	3.438E-06	-2.748E+02	-3.758E+03	-2.596E+02	3.438E-06	-3.438E-06	7.854E-01	-2.555E+02	-3.777E+03	-7.398E-02
151	3	7756.91	-167.95	34.65	1	4.690E-07	3.127E-06	-1.504E-14	-1.743E+02	6.358E+02	-3.999E+02	3.127E-06	4.690E-07	1.571E+00	8.000E+02	-3.384E+02	1.960E+00
151	4	7729.75	-157.45	34.65	1	6.588E-14	6.588E-14	-3.438E-06	-7.317E+02	-3.685E+03	-1.111E+03	3.438E-06	-3.438E-06	-7.854E-01	-3.606E+02	-4.056E+03	-3.224E-01

152	1	7775.25	-167.95	34.65	1	-1.341E-06	-8.941E-06	6.291E-14	1.625E+03	3.870E+03	-8.211E+02	-1.341E-06	-8.941E-06	8.277E-09	4.139E+03	1.357E+03	1.887E+00
152	2	7784.75	-178.45	34.65	1	-5.958E-14	-5.958E-14	3.438E-06	4.831E+02	1.938E+03	-1.094E+03	3.438E-06	-3.438E-06	7.854E-01	2.524E+03	-1.028E+02	2.063E+00
152	3	7794.25	-167.95	34.65	1	1.341E-06	8.941E-06	1.218E-12	1.712E+03	3.280E+02	-1.183E+03	8.941E-06	1.341E-06	1.571E+00	2.390E+03	-3.503E+02	-5.208E-01
152	4	7784.75	-157.45	34.65	1	8.749E-14	8.749E-14	-3.438E-06	2.418E+03	2.833E+03	-1.455E+03	3.438E-06	-3.438E-06	-7.854E-01	4.095E+03	1.156E+03	2.285E+00
153	1	7593.25	-146.95	34.65	1	4.319E-14	7.061E-14	-3.438E-06	2.125E+03	5.785E+02	-8.719E+02	3.438E-06	-3.438E-06	-7.854E-01	2.517E+03	1.863E+02	-4.227E-01
153	2	7602.75	-136.45	34.65	1	8.941E-06	1.341E-06	-2.023E-13	3.770E+03	-5.393E+03	-1.106E+03	8.941E-06	1.341E-06	-2.662E-08	3.901E+03	-5.525E+03	-1.184E-01
153	3	7593.25	-125.95	34.65	1	5.517E-14	5.517E-14	3.438E-06	1.814E+03	-1.237E+04	-2.624E+02	3.438E-06	-3.438E-06	7.854E-01	1.819E+03	-1.237E+04	-1.849E-02
153	4	7583.75	-136.45	34.65	1	-8.941E-06	-1.341E-06	-1.427E-13	6.274E+02	-6.747E+03	-1.644E+03	-1.341E-06	-8.941E-06	1.571E+00	9.771E+02	-7.097E+03	-2.097E-01
154	1	7648.25	-146.95	34.65	1	5.661E-14	-7.416E-15	-3.438E-06	-4.072E+03	-2.891E+03	-1.442E+03	3.438E-06	-3.438E-06	-7.854E-01	-1.923E+03	-5.040E+03	2.162E+00
154	2	7675.41	-136.45	34.65	1	3.127E-06	4.690E-07	-1.349E-14	-7.570E+03	-7.255E+03	6.472E+02	3.127E-06	4.690E-07	-5.077E-09	-6.746E+03	-8.079E+03	9.047E-01
154	3	7648.25	-125.95	34.65	1	5.285E-14	5.285E-14	3.438E-06	-4.275E+03	-9.327E+03	-1.932E+03	3.438E-06	-3.438E-06	7.854E-01	-3.621E+03	-9.981E+03	-3.265E-01
154	4	7621.08	-136.45	34.65	1	-3.127E-06	-4.690E-07	-6.997E-14	-7.783E+02	-7.204E+03	-2.029E+03	-4.690E-07	-3.127E-06	1.571E+00	-1.913E+02	-7.791E+03	-2.816E-01
155	1	7729.75	-146.95	34.65	1	1.431E-13	-7.121E-14	-3.438E-06	-4.072E+03	-2.891E+03	1.442E+03	3.438E-06	-3.438E-06	-7.854E-01	-1.923E+03	-5.040E+03	9.796E-01
155	2	7756.91	-136.45	34.65	1	3.127E-06	4.690E-07	-3.147E-14	-7.783E+02	-7.204E+03	2.029E+03	3.127E-06	4.690E-07	-1.184E-08	-1.913E+02	-7.791E+03	2.816E-01
155	3	7729.75	-125.95	34.65	1	-1.095E-14	-1.095E-14	3.438E-06	-4.275E+03	-9.327E+03	1.932E+03	3.438E-06	-3.438E-06	7.854E-01	-3.621E+03	-9.981E+03	3.265E-01
155	4	7702.58	-136.45	34.65	1	-3.127E-06	-4.690E-07	2.869E-14	-7.570E+03	-7.255E+03	6.472E+02	-4.690E-07	-3.127E-06	1.571E+00	-6.746E+03	-8.079E+03	9.047E-01
156	1	7784.75	-146.95	34.65	1	9.716E-14	-9.006E-14	-3.438E-06	2.125E+03	5.785E+02	8.719E+02	3.438E-06	-3.438E-06	-7.854E-01	2.517E+03	1.863E+02	4.227E-01
156	2	7794.25	-136.45	34.65	1	8.941E-06	1.341E-06	-1.304E-12	6.274E+02	-6.747E+03	1.644E+03	8.941E-06	1.341E-06	-1.716E-07	9.771E+02	-7.097E+03	2.097E-01
156	3	7784.75	-125.95	34.65	1	-5.957E-14	-5.957E-14	3.438E-06	1.814E+03	-1.237E+04	2.624E+02	3.438E-06	-3.438E-06	7.854E-01	1.819E+03	-1.237E+04	1.849E-02
156	4	7775.25	-136.45	34.65	1	-8.941E-06	-1.341E-06	-1.300E-13	3.770E+03	-5.393E+03	1.106E+03	-1.341E-06	-8.941E-06	1.571E+00	3.901E+03	-5.525E+03	1.184E-01
157	1	7583.75	-60.35	34.65	1	-6.706E-07	-4.470E-06	-1.428E-14	-3.885E+04	-5.046E+02	-2.746E+03	-6.706E-07	-4.470E-06	-3.757E-09	-3.088E+02	-3.905E+04	1.642E+00
157	2	7593.25	-100.58	34.65	1	2.718E-14	2.718E-14	4.486E-07	-2.539E+04	-3.665E+03	1.242E+02	4.486E-07	-4.486E-07	7.854E-01	-3.664E+03	-2.539E+04	1.565E+00
157	3	7602.75	-60.35	34.65	1	6.706E-07	4.470E-06	4.401E-14	-3.877E+04	-1.329E+03	8.287E+02	4.470E-06	6.706E-07	1.571E+00	-1.310E+03	-3.879E+04	1.549E+00
157	4	7593.25	-20.12	34.65	1	-1.385E-14	-1.385E-14	-4.486E-07	-5.233E+04	7.567E+02	4.916E+02	4.486E-07	-4.486E-07	-7.854E-01	7.613E+02	-5.234E+04	1.562E+00
158	1	7621.08	-60.35	34.65	1	-2.345E-07	-1.563E-06	-6.227E-14	-3.972E+04	-3.732E+03	1.327E+03	-2.345E-07	-1.563E-06	-4.686E-08	-3.683E+03	-3.977E+04	1.534E+00
158	2	7648.25	-100.58	34.65	1	3.860E-14	3.860E-14	4.486E-07	-1.965E+04	-1.517E+04	2.026E+03	4.486E-07	-4.486E-07	7.854E-01	-1.439E+04	-2.043E+04	1.203E+00
158	3	7675.41	-60.35	34.65	1	2.345E-07	1.563E-06	-4.587E-14	-3.802E+04	-1.997E+04	-1.343E+03	1.563E-06	2.345E-07	1.571E+00	-1.987E+04	-3.812E+04	1.645E+00
158	4	7648.25	-20.12	34.65	1	1.053E-14	1.053E-14	-4.486E-07	-5.562E+04	-1.607E+04	1.780E+03	4.486E-07	-4.486E-07	-7.854E-01	-1.599E+04	-5.570E+04	1.526E+00
159	1	7702.58	-60.35	34.65	1	-2.345E-07	-1.563E-06	-4.502E-14	-3.802E+04	-1.997E+04	-1.343E+03	-2.345E-07	-1.563E-06	-3.388E-08	-1.987E+04	-3.812E+04	1.645E+00
159	2	7729.75	-100.58	34.65	1	3.853E-14	3.853E-14	4.486E-07	-1.965E+04	-1.517E+04	-2.026E+03	4.486E-07	-4.486E-07	7.854E-01	-1.439E+04	-2.043E+04	1.939E+00
159	3	7756.91	-60.35	34.65	1	2.345E-07	1.563E-06	-1.428E-14	-3.972E+04	-3.732E+03	-1.327E+03	1.563E-06	2.345E-07	1.571E+00	-3.683E+03	-3.977E+04	1.608E+00
159	4	7729.75	-20.12	34.65	1	-2.984E-14	-2.984E-14	-4.486E-07	-5.562E+04	-1.607E+04	1.780E+03	4.486E-07	-4.486E-07	-7.854E-01	-1.599E+04	-5.570E+04	1.526E+00
160	1	7775.25	-60.35	34.65	1	-6.706E-07	-4.470E-06	-2.802E-14	-3.877E+04	-1.329E+03	-8.287E+02	-6.706E-07	-4.470E-06	-7.375E-09	-1.310E+03	-3.879E+04	1.593E+00
160	2	7784.75	-100.58	34.65	1	5.018E-15	5.018E-15	4.486E-07	-2.539E+04	-3.665E+03	-1.242E+02	4.486E-07	-4.486E-07	7.854E-01	-3.664E+03	-2.539E+04	1.577E+00
160	3	7794.25	-60.35	34.65	1	6.706E-07	4.470E-06	1.189E-12	-3.885E+04	-5.046E+02	2.746E+03	4.470E-06	6.706E-07	1.571E+00	-3.088E+02	-3.905E+04	1.500E+00
160	4	7784.75	-20.12	34.65	1	-5.052E-14	-5.052E-14	-4.486E-07	-5.233E+04	7.567E+02	4.916E+02	4.486E-07	-4.486E-07	-7.854E-01	7.613E+02	-5.234E+04	1.562E+00
161	1	7583.75	60.35	34.65	1	6.706E-07	4.470E-06	-9.548E-16	-3.885E+04	-5.046E+02	2.746E+03	4.470E-06	6.706E-07	1.571E+00	-3.088E+02	-3.905E+04	1.500E+00
161	2	7593.25	20.12	34.65	1	-3.304E-14	-3.304E-14	-4.486E-07	-5.233E+04	7.567E+02	4.916E+02	4.486E-07	-4.486E-07	-7.854E-01	7.613E+02	-5.234E+04	1.562E+00
161	3	7602.75	60.35	34.65	1	-6.706E-07	-4.470E-06	5.924E-14	-3.877E+04	-1.329E+03	-8.287E+02	-6.706E-07	-4.470E-06	1.559E-08	-1.310E+03	-3.879E+04	1.593E+00
161	4	7593.25	100.58	34.65	1	-1.807E-14	-1.807E-14	4.486E-07	-2.539E+04	-3.665E+03	-1.242E+02	4.486E-07	-4.486E-07	7.854E-01	-3.664E+03	-2.539E+04	1.577E+00
162	1	7621.08	60.35	34.65	1	2.345E-07	1.563E-06	-3.700E-14	-3.972E+04	-3.732E+03	-1.327E+03	1.563E-06	2.345E-07	1.571E+00	-3.683E+03	-3.977E+04	1.608E+00
162	2	7648.25	20.12	34.65	1	-8.139E-15	-8.139E-15	-4.486E-07	-5.562E+04	-1.607E+04	1.780E+03	4.486E-07	-4.486E-07	-7.854E-01	-1.599E+04	-5.570E+04	1.526E+00
162	3	7675.41	60.35	34.65	1	-2.345E-07	-1.563E-06	-5.687E-15	-3.802E+04	-1.997E+04	1.343E+03	-2.345E-07	-1.563E-06	-4.280E-09	-1.987E+04	-3.812E+04	1.497E+00

162	4	7648.25	100.58	34.65	1	-5.484E-14	-5.484E-14	4.486E-07	-1.965E+04	-1.517E+04	-2.026E+03	4.486E-07	-4.486E-07	7.854E-01	-1.439E+04	-2.043E+04	1.939E+00
163	1	7702.58	60.35	34.65	1	2.345E-07	1.563E-06	-8.579E-15	-3.802E+04	-1.997E+04	1.343E+03	1.563E-06	2.345E-07	1.571E+00	-1.987E+04	-3.812E+04	1.497E+00
163	2	7729.75	20.12	34.65	1	-1.707E-14	-1.707E-14	-4.486E-07	-5.562E+04	-1.607E+04	1.780E+03	4.486E-07	-4.486E-07	-7.854E-01	-1.599E+04	-5.570E+04	1.526E+00
163	3	7756.91	60.35	34.65	1	-2.345E-07	-1.563E-06	8.518E-15	-3.972E+04	-3.732E+03	1.327E+03	-2.345E-07	-1.563E-06	6.411E-09	-3.683E+03	-3.977E+04	1.534E+00
163	4	7729.75	100.58	34.65	1	-6.165E-15	-6.165E-15	4.486E-07	-1.965E+04	-1.517E+04	2.026E+03	4.486E-07	-4.486E-07	7.854E-01	-1.439E+04	-2.043E+04	1.203E+00
164	1	7775.25	60.35	34.65	1	6.706E-07	4.470E-06	-5.687E-14	-3.877E+04	-1.329E+03	8.287E+02	4.470E-06	6.706E-07	1.571E+00	-1.310E+03	-3.879E+04	1.549E+00
164	2	7784.75	20.12	34.65	1	-5.926E-16	-5.926E-16	-4.486E-07	-5.233E+04	7.567E+02	4.916E+02	4.486E-07	-4.486E-07	-7.854E-01	7.613E+02	-5.234E+04	1.562E+00
164	3	7794.25	60.35	34.65	1	-6.706E-07	-4.470E-06	1.202E-12	-3.885E+04	-5.046E+02	-2.746E+03	-6.706E-07	-4.470E-06	3.162E-07	-3.088E+02	-3.905E+04	1.642E+00
164	4	7784.75	100.58	34.65	1	1.039E-14	1.039E-14	4.486E-07	-2.539E+04	-3.665E+03	1.242E+02	4.486E-07	-4.486E-07	7.854E-01	-3.664E+03	-2.539E+04	1.565E+00
165	1	7593.25	125.95	34.65	1	-1.187E-14	-1.258E-13	3.438E-06	1.814E+03	-1.237E+04	2.624E+02	3.438E-06	-3.438E-06	7.854E-01	1.819E+03	-1.237E+04	1.849E-02
165	2	7602.75	136.45	34.65	1	-8.941E-06	-1.341E-06	-1.170E-13	3.770E+03	-5.393E+03	1.106E+03	-1.341E-06	-8.941E-06	1.571E+00	3.901E+03	-5.525E+03	1.184E-01
165	3	7593.25	146.95	34.65	1	-5.381E-14	-5.381E-14	-3.438E-06	2.125E+03	5.785E+02	8.719E+02	3.438E-06	-3.438E-06	-7.854E-01	2.517E+03	1.863E+02	4.227E-01
165	4	7583.75	136.45	34.65	1	8.941E-06	1.341E-06	-1.040E-13	6.274E+02	-6.747E+03	1.644E+03	8.941E-06	1.341E-06	-1.368E-08	9.771E+02	-7.097E+03	2.097E-01
166	1	7648.25	125.95	34.65	1	-9.542E-14	-7.800E-14	3.438E-06	-4.275E+03	-9.327E+03	1.932E+03	3.438E-06	-3.438E-06	7.854E-01	-3.621E+03	-9.981E+03	3.265E-01
166	2	7675.41	136.45	34.65	1	-3.127E-06	-4.690E-07	3.534E-14	-7.570E+03	-7.255E+03	-6.472E+02	-4.690E-07	-3.127E-06	1.571E+00	-6.746E+03	-8.079E+03	2.237E+00
166	3	7648.25	146.95	34.65	1	-4.280E-14	-4.280E-14	-3.438E-06	-4.072E+03	-2.891E+03	1.442E+03	3.438E-06	-3.438E-06	-7.854E-01	-1.923E+03	-5.040E+03	9.796E-01
166	4	7621.08	136.45	34.65	1	3.127E-06	4.690E-07	-2.930E-14	-7.783E+02	-7.204E+03	2.029E+03	3.127E-06	4.690E-07	-1.102E-08	-1.913E+02	-7.791E+03	2.816E-01
167	1	7729.75	125.95	34.65	1	3.504E-14	9.148E-14	3.438E-06	-4.275E+03	-9.327E+03	-1.932E+03	3.438E-06	-3.438E-06	7.854E-01	-3.621E+03	-9.981E+03	-3.265E-01
167	2	7756.91	136.45	34.65	1	-3.127E-06	-4.690E-07	2.924E-14	-7.783E+02	-7.204E+03	-2.029E+03	-4.690E-07	-3.127E-06	1.571E+00	-1.913E+02	-7.791E+03	-2.816E-01
167	3	7729.75	146.95	34.65	1	2.796E-14	2.796E-14	-3.438E-06	-4.072E+03	-2.891E+03	-1.442E+03	3.438E-06	-3.438E-06	-7.854E-01	-1.923E+03	-5.040E+03	2.162E+00
167	4	7702.58	136.45	34.65	1	3.127E-06	4.690E-07	2.688E-14	-7.570E+03	-7.255E+03	-6.472E+02	3.127E-06	4.690E-07	1.012E-08	-6.746E+03	-8.079E+03	2.237E+00
168	1	7784.75	125.95	34.65	1	3.941E-14	2.380E-14	3.438E-06	1.814E+03	-1.237E+04	-2.624E+02	3.438E-06	-3.438E-06	7.854E-01	1.819E+03	-1.237E+04	-1.849E-02
168	2	7794.25	136.45	34.65	1	-8.941E-06	-1.341E-06	-1.237E-12	6.274E+02	-6.747E+03	-1.644E+03	-1.341E-06	-8.941E-06	1.571E+00	9.771E+02	-7.097E+03	-2.097E-01
168	3	7784.75	146.95	34.65	1	-5.006E-14	-5.006E-14	-3.438E-06	2.125E+03	5.785E+02	-8.719E+02	3.438E-06	-3.438E-06	-7.854E-01	2.517E+03	1.863E+02	-4.227E-01
168	4	7775.25	136.45	34.65	1	8.941E-06	1.341E-06	-8.114E-14	3.770E+03	-5.393E+03	-1.106E+03	8.941E-06	1.341E-06	-1.068E-08	3.901E+03	-5.525E+03	-1.184E-01
169	1	7593.25	157.45	34.65	1	-4.131E-14	-2.829E-14	3.438E-06	2.833E+03	2.418E+03	1.455E+03	3.438E-06	-3.438E-06	7.854E-01	4.095E+03	1.156E+03	7.145E-01
169	2	7602.75	167.95	34.65	1	-8.941E-06	-1.341E-06	-1.801E-13	3.870E+03	1.625E+03	8.211E+02	-1.341E-06	-8.941E-06	1.571E+00	4.139E+03	1.357E+03	3.158E-01
169	3	7593.25	178.45	34.65	1	-5.264E-14	-5.264E-14	-3.438E-06	1.938E+03	4.831E+02	1.094E+03	3.438E-06	-3.438E-06	-7.854E-01	2.524E+03	-1.028E+02	4.918E-01
169	4	7583.75	167.95	34.65	1	8.941E-06	1.341E-06	-1.632E-13	3.280E+02	1.712E+03	1.183E+03	8.941E-06	1.341E-06	-2.147E-08	2.390E+03	-3.503E+02	1.050E+00
170	1	7648.25	157.45	34.65	1	-3.769E-14	1.428E-14	3.438E-06	-3.685E+03	-7.317E+02	1.111E+03	3.438E-06	-3.438E-06	7.854E-01	-3.606E+02	-4.056E+03	1.248E+00
170	2	7675.41	167.95	34.65	1	-3.127E-06	-4.690E-07	3.893E-14	-8.079E+03	-1.185E+03	-1.484E+02	-4.690E-07	-3.127E-06	1.571E+00	-1.182E+03	-8.083E+03	1.592E+00
170	3	7648.25	178.45	34.65	1	9.924E-15	9.924E-15	-3.438E-06	-3.758E+03	-2.748E+02	2.596E+02	3.438E-06	-3.438E-06	-7.854E-01	-2.555E+02	-3.777E+03	1.497E+00
170	4	7621.08	167.95	34.65	1	3.127E-06	4.690E-07	-5.972E-14	6.358E+02	-1.743E+02	3.999E+02	3.127E-06	4.690E-07	-2.247E-08	8.000E+02	-3.384E+02	3.895E-01
171	1	7729.75	157.45	34.65	1	3.839E-14	3.664E-15	3.438E-06	-3.685E+03	-7.317E+02	-1.111E+03	3.438E-06	-3.438E-06	7.854E-01	-3.606E+02	-4.056E+03	1.893E+00
171	2	7756.91	167.95	34.65	1	-3.127E-06	-4.690E-07	-2.737E-14	6.358E+02	-1.743E+02	-3.999E+02	-4.690E-07	-3.127E-06	1.571E+00	8.000E+02	-3.384E+02	-3.895E-01
171	3	7729.75	178.45	34.65	1	1.370E-14	1.370E-14	-3.438E-06	-3.758E+03	-2.748E+02	-2.596E+02	3.438E-06	-3.438E-06	-7.854E-01	-2.555E+02	-3.777E+03	1.645E+00
171	4	7702.58	167.95	34.65	1	3.127E-06	4.690E-07	4.163E-16	-8.079E+03	-1.185E+03	-1.484E+02	3.127E-06	4.690E-07	1.567E-10	-1.182E+03	-8.083E+03	1.592E+00
172	1	7784.75	157.45	34.65	1	-1.142E-13	-1.767E-14	3.438E-06	2.833E+03	2.418E+03	-1.455E+03	3.438E-06	-3.438E-06	7.854E-01	4.095E+03	1.156E+03	-7.145E-01
172	2	7794.25	167.95	34.65	1	-8.941E-06	-1.341E-06	-1.272E-12	3.280E+02	1.712E+03	-1.183E+03	-1.341E-06	-8.941E-06	1.571E+00	2.390E+03	-3.503E+02	2.092E+00
172	3	7784.75	178.45	34.65	1	-9.040E-15	-9.040E-15	-3.438E-06	1.938E+03	4.831E+02	-1.094E+03	3.438E-06	-3.438E-06	-7.854E-01	2.524E+03	-1.028E+02	-4.918E-01
172	4	7775.25	167.95	34.65	1	8.941E-06	1.341E-06	-1.494E-13	3.870E+03	1.625E+03	-8.211E+02	8.941E-06	1.341E-06	-1.966E-08	4.139E+03	1.357E+03	-3.158E-01
173	1	10146.75	-167.95	37.20	1	-9.265E-01	9.882E-03	-4.923E-01	1.803E+03	3.995E+02	1.165E+03	2.211E-01	-1.138E+00	1.976E+00	2.461E+03	-2.591E+02	5.144E-01
173	2	10156.24	-178.45	37.20	1	-2.606E-02	-7.897E-01	-3.696E-01	4.228E+02	1.744E+03	1.057E+03	1.235E-01	-9.393E-01	-3.846E-01	2.330E+03	-1.630E+02	1.065E+00

173	3	10165.74	-167.95	37.20	1	5.960E-01	-4.400E-01	-7.442E-01	1.375E+03	3.538E+03	7.538E+02	9.847E-01	-8.287E-01	-4.813E-01	3.775E+03	1.139E+03	1.266E+00
173	4	10156.24	-157.45	37.20	1	-3.044E-01	3.595E-01	-8.669E-01	2.344E+03	2.734E+03	1.605E+03	9.558E-01	-9.007E-01	2.173E+00	4.156E+03	9.215E+02	8.458E-01
174	1	10184.08	-167.95	37.20	1	7.267E-01	4.310E-01	5.433E-01	-3.557E+02	3.879E+02	3.063E+02	1.142E+00	1.578E-02	6.526E-01	4.978E+02	-4.656E+02	1.226E+00
174	2	10211.25	-178.45	37.20	1	-9.345E-03	5.863E-01	7.146E-01	-2.367E+02	-3.753E+03	1.289E+02	1.063E+00	-4.857E-01	9.828E-01	-2.320E+02	-3.758E+03	3.661E-02
174	3	10238.41	-167.95	37.20	1	-6.130E-01	4.304E-01	8.857E-01	-9.389E+02	-7.847E+03	9.410E+01	9.366E-01	-1.119E+00	1.052E+00	-9.376E+02	-7.848E+03	1.362E-02
174	4	10211.25	-157.45	37.20	1	1.230E-01	2.751E-01	7.144E-01	-7.141E+02	-3.706E+03	8.456E+02	9.175E-01	-5.194E-01	8.384E-01	-4.916E+02	-3.928E+03	2.573E-01
175	1	10265.58	-167.95	37.20	1	-6.136E-01	4.265E-01	-8.854E-01	-9.411E+02	-7.846E+03	7.624E+01	9.333E-01	-1.120E+00	2.091E+00	-9.402E+02	-7.847E+03	1.104E-02
175	2	10292.75	-178.45	37.20	1	-2.990E-03	5.775E-01	-7.199E-01	-2.420E+02	-3.761E+03	-1.123E+02	1.063E+00	-4.889E-01	2.165E+00	-2.385E+02	-3.765E+03	-3.187E-02
175	3	10319.91	-167.95	37.20	1	7.357E-01	4.272E-01	-5.541E-01	-3.676E+02	3.742E+02	-2.947E+02	1.157E+00	6.296E-03	-6.496E-01	4.770E+02	-4.704E+02	1.907E+00
175	4	10292.75	-157.45	37.20	1	1.251E-01	2.762E-01	-7.196E-01	-7.207E+02	-3.710E+03	-8.256E+02	9.242E-01	-5.229E-01	2.304E+00	-5.078E+02	-3.923E+03	-2.523E-01
176	1	10338.25	-167.95	37.20	1	6.040E-01	-4.507E-01	7.617E-01	1.361E+03	3.517E+03	-7.445E+02	1.003E+00	-8.498E-01	4.826E-01	3.749E+03	1.129E+03	1.873E+00
176	2	10347.75	-178.45	37.20	1	-2.973E-02	-8.080E-01	3.798E-01	4.202E+02	1.729E+03	-1.053E+03	1.249E-01	-9.626E-01	3.866E-01	2.314E+03	-1.651E+02	2.078E+00
176	3	10357.25	-167.95	37.20	1	-9.477E-01	7.869E-03	5.046E-01	1.803E+03	4.017E+02	-1.161E+03	2.250E-01	-1.165E+00	1.164E+00	2.458E+03	-2.539E+02	-5.140E-01
176	4	10347.75	-157.45	37.20	1	-3.139E-01	3.652E-01	8.866E-01	2.334E+03	2.728E+03	-1.609E+03	9.750E-01	-9.237E-01	9.683E-01	4.151E+03	9.102E+02	2.295E+00
177	1	10156.24	-146.95	37.20	1	2.355E-02	-2.544E+00	7.790E-01	2.218E+03	1.587E+03	-1.018E+03	2.414E-01	-2.762E+00	2.727E-01	2.968E+03	8.370E+02	-6.352E-01
177	2	10165.74	-136.45	37.20	1	2.789E-01	-3.505E+00	4.563E-01	3.982E+03	-4.154E+03	-1.040E+03	3.332E-01	-3.559E+00	1.183E-01	4.113E+03	-4.284E+03	-1.252E-01
177	3	10156.24	-125.95	37.20	1	-3.764E-02	-2.529E+00	1.469E-01	1.963E+03	-1.135E+04	-2.167E+02	-2.901E-02	-2.538E+00	5.868E-02	1.967E+03	-1.136E+04	-1.627E-02
177	4	10146.75	-136.45	37.20	1	-2.930E-01	-1.569E+00	4.697E-01	5.044E+02	-5.846E+03	-1.607E+03	-1.388E-01	-1.723E+00	3.173E-01	8.877E+02	-6.229E+03	-2.342E-01
178	1	10211.25	-146.95	37.20	1	-3.055E-03	-1.731E+00	-6.655E-01	-3.982E+03	-2.165E+03	-1.209E+03	2.235E-01	-1.958E+00	-3.282E-01	-1.561E+03	-4.586E+03	2.034E+00
178	2	10238.41	-136.45	37.20	1	-3.109E-02	1.137E-01	-6.976E-01	-7.575E+03	-6.838E+03	-6.203E+02	7.427E-01	-6.601E-01	2.305E+00	-6.485E+03	-7.928E+03	2.088E+00
178	3	10211.25	-125.95	37.20	1	-6.083E-02	-1.707E+00	-6.662E-01	-4.207E+03	-8.635E+03	-1.905E+03	1.750E-01	-1.942E+00	-3.403E-01	-3.500E+03	-9.342E+03	-3.553E-01
178	4	10184.08	-136.45	37.20	1	-3.280E-02	-3.551E+00	-6.341E-01	-6.153E+02	-5.963E+03	-1.973E+03	7.798E-02	-3.662E+00	-1.730E-01	3.410E+01	-6.612E+03	-3.179E-01
179	1	10292.75	-146.95	37.20	1	-8.099E-03	-1.770E+00	6.711E-01	-3.982E+03	-2.144E+03	1.192E+03	2.184E-01	-1.997E+00	3.255E-01	-1.558E+03	-4.568E+03	1.114E+00
179	2	10319.91	-136.45	37.20	1	-3.598E-02	-3.631E+00	6.417E-01	-6.104E+02	-5.915E+03	1.966E+03	7.514E-02	-3.742E+00	1.715E-01	3.879E+01	-6.565E+03	3.189E-01
179	3	10292.75	-125.95	37.20	1	-6.213E-02	-1.747E+00	6.718E-01	-4.204E+03	-8.614E+03	1.899E+03	1.729E-01	-1.982E+00	3.365E-01	-3.499E+03	-9.319E+03	3.555E-01
179	4	10265.58	-136.45	37.20	1	-3.424E-02	1.132E-01	7.012E-01	-7.578E+03	-6.837E+03	-6.076E+02	7.445E-01	-6.656E-01	8.378E-01	-6.495E+03	-7.919E+03	2.082E+00
180	1	10347.75	-146.95	37.20	1	2.137E-02	-2.606E+00	-8.005E-01	2.220E+03	1.628E+03	1.020E+03	2.460E-01	-2.831E+00	-2.736E-01	2.987E+03	8.616E+02	6.441E-01
180	2	10357.25	-136.45	37.20	1	-2.993E-01	-1.615E+00	-4.855E-01	4.998E+02	-5.811E+03	1.601E+03	-1.395E-01	-1.774E+00	-3.180E-01	8.828E+02	-6.194E+03	2.348E-01
180	3	10347.75	-125.95	37.20	1	-3.820E-02	-2.592E+00	-1.575E-01	1.971E+03	-1.132E+04	2.121E+02	-2.853E-02	-2.601E+00	-6.137E-02	1.974E+03	-1.132E+04	1.596E-02
180	4	10338.25	-136.45	37.20	1	2.825E-01	-3.583E+00	-4.725E-01	3.991E+03	-4.105E+03	1.032E+03	3.394E-01	-3.640E+00	-1.199E-01	4.120E+03	-4.235E+03	1.248E-01
181	1	10146.75	-60.35	37.20	1	-1.544E+00	4.919E-02	-3.743E-03	-3.801E+04	-4.837E+02	-2.769E+03	4.920E-02	-1.544E+00	1.573E+00	-2.805E+02	-3.821E+04	1.644E+00
181	2	10156.24	-100.58	37.20	1	-1.515E+00	1.145E-01	3.841E-02	-2.452E+04	-3.633E+03	9.447E+01	1.154E-01	-1.516E+00	1.547E+00	-3.633E+03	-2.452E+04	1.566E+00
181	3	10165.74	-60.35	37.20	1	-1.498E+00	2.857E-02	-6.749E-03	-3.794E+04	-1.330E+03	8.193E+02	2.860E-02	-1.498E+00	1.575E+00	-1.312E+03	-3.796E+04	1.548E+00
181	4	10156.24	-20.12	37.20	1	-1.528E+00	-3.676E-02	-4.890E-02	-5.153E+04	7.643E+02	-4.954E+02	-3.516E-02	-1.529E+00	1.604E+00	7.690E+02	-5.153E+04	1.580E+00
182	1	10184.08	-60.35	37.20	1	-1.498E+00	2.987E-02	1.622E-01	-3.889E+04	-3.718E+03	1.320E+03	4.691E-02	-1.515E+00	1.466E+00	-3.668E+03	-3.894E+04	1.533E+00
182	2	10211.25	-100.58	37.20	1	-1.232E+00	1.038E-02	3.182E-01	-1.883E+04	-1.518E+04	2.031E+03	8.716E-02	-1.309E+00	1.334E+00	-1.427E+04	-1.973E+04	1.152E+00
182	3	10238.41	-60.35	37.20	1	-9.406E-01	-1.695E-01	1.790E-01	-3.722E+04	-2.010E+04	1.327E+03	-1.300E-01	-9.801E-01	1.354E+00	-1.999E+04	-3.732E+04	1.494E+00
182	4	10211.25	-20.12	37.20	1	-1.207E+00	-1.500E-01	2.298E-02	-5.483E+04	-1.609E+04	1.769E+03	-1.495E-01	-1.208E+00	1.549E+00	-1.601E+04	-5.491E+04	1.525E+00
183	1	10265.58	-60.35	37.20	1	-9.414E-01	-1.749E-01	-1.803E-01	-3.722E+04	-2.010E+04	1.332E+03	-1.346E-01	-9.817E-01	1.791E+00	-2.000E+04	-3.732E+04	1.494E+00
183	2	10292.75	-100.58	37.20	1	-1.251E+00	1.230E-02	-3.293E-01	-1.882E+04	-1.518E+04	-2.019E+03	9.297E-02	-1.332E+00	1.811E+00	-1.428E+04	-1.972E+04	1.989E+00
183	3	10319.91	-60.35	37.20	1	-1.536E+00	3.771E-02	-1.634E-01	-3.887E+04	-3.712E+03	-1.323E+03	5.451E-02	-1.553E+00	1.673E+00	-3.662E+03	-3.892E+04	1.608E+00
183	4	10292.75	-20.12	37.20	1	-1.226E+00	-1.494E-01	-1.447E-02	-5.482E+04	-1.609E+04	-1.769E+03	-1.493E-01	-1.226E+00	1.584E+00	-1.601E+04	-5.490E+04	1.616E+00
184	1	10338.25	-60.35	37.20	1	-1.537E+00	2.811E-02	1.041E-02	-3.793E+04	-1.331E+03	-8.153E+02	2.818E-02	-1.538E+00	1.564E+00	-1.312E+03	-3.795E+04	1.593E+00

184	2	10347.75	-100.58	37.20	1	-1.558E+00	1.168E-01	-4.244E-02	-2.450E+04	-3.633E+03	-9.373E+01	1.179E-01	-1.559E+00	1.596E+00	-3.633E+03	-2.450E+04	1.575E+00
184	3	10357.25	-60.35	37.20	1	-1.591E+00	5.235E-02	7.367E-03	-3.800E+04	-4.803E+02	2.775E+03	5.238E-02	-1.591E+00	1.566E+00	-2.762E+02	-3.820E+04	1.497E+00
184	4	10347.75	-20.12	37.20	1	-1.571E+00	-3.639E-02	6.022E-02	-5.152E+04	7.676E+02	-4.969E+02	-3.403E-02	-1.573E+00	1.532E+00	7.723E+02	-5.153E+04	1.580E+00
185	1	10146.75	60.35	37.20	1	-1.544E+00	4.919E-02	3.743E-03	-3.801E+04	-4.837E+02	2.769E+03	4.920E-02	-1.544E+00	1.568E+00	-2.805E+02	-3.821E+04	1.498E+00
185	2	10156.24	20.12	37.20	1	-1.528E+00	-3.676E-02	4.890E-02	-5.153E+04	7.643E+02	-4.954E+02	-3.516E-02	-1.529E+00	1.538E+00	7.690E+02	-5.153E+04	1.580E+00
185	3	10165.74	60.35	37.20	1	-1.498E+00	2.857E-02	6.749E-03	-3.794E+04	-1.330E+03	-8.193E+02	2.860E-02	-1.498E+00	1.566E+00	-1.312E+03	-3.796E+04	1.593E+00
185	4	10156.24	100.58	37.20	1	-1.515E+00	1.145E-01	-3.841E-02	-2.452E+04	-3.633E+03	-9.447E+01	1.154E-01	-1.516E+00	1.594E+00	-3.633E+03	-2.452E+04	1.575E+00
186	1	10184.08	60.35	37.20	1	-1.498E+00	2.987E-02	-1.622E-01	-3.889E+04	-3.718E+03	-1.320E+03	4.691E-02	-1.515E+00	1.675E+00	-3.668E+03	-3.894E+04	1.608E+00
186	2	10211.25	20.12	37.20	1	-1.207E+00	-1.500E-01	-2.298E-02	-5.483E+04	-1.609E+04	1.769E+03	-1.495E-01	-1.208E+00	1.593E+00	-1.601E+04	-5.491E+04	1.525E+00
186	3	10238.41	60.35	37.20	1	-9.406E-01	-1.695E-01	-1.790E-01	-3.722E+04	-2.010E+04	-1.327E+03	-1.300E-01	-9.801E-01	1.788E+00	-1.999E+04	-3.732E+04	1.648E+00
186	4	10211.25	100.58	37.20	1	-1.232E+00	1.038E-02	-3.182E-01	-1.883E+04	-1.518E+04	-2.031E+03	8.716E-02	-1.309E+00	1.808E+00	-1.427E+04	-1.973E+04	1.990E+00
187	1	10265.58	60.35	37.20	1	-9.414E-01	-1.749E-01	1.803E-01	-3.722E+04	-2.010E+04	-1.332E+03	-1.346E-01	-9.817E-01	1.351E+00	-2.000E+04	-3.732E+04	1.648E+00
187	2	10292.75	20.12	37.20	1	-1.226E+00	-1.494E-01	1.447E-02	-5.482E+04	-1.609E+04	-1.769E+03	-1.493E-01	-1.226E+00	1.557E+00	-1.601E+04	-5.490E+04	1.616E+00
187	3	10319.91	60.35	37.20	1	-1.536E+00	3.771E-02	1.634E-01	-3.887E+04	-3.712E+03	1.323E+03	5.451E-02	-1.553E+00	1.468E+00	-3.662E+03	-3.892E+04	1.533E+00
187	4	10292.75	100.58	37.20	1	-1.251E+00	1.230E-02	3.293E-01	-1.882E+04	-1.518E+04	2.019E+03	9.297E-02	-1.332E+00	1.331E+00	-1.428E+04	-1.972E+04	1.152E+00
188	1	10338.25	60.35	37.20	1	-1.537E+00	2.811E-02	-1.041E-02	-3.793E+04	-1.331E+03	8.153E+02	2.818E-02	-1.538E+00	1.577E+00	-1.312E+03	-3.795E+04	1.549E+00
188	2	10347.75	20.12	37.20	1	-1.571E+00	-3.639E-02	-6.022E-02	-5.152E+04	7.676E+02	-4.969E+02	-3.403E-02	-1.573E+00	1.610E+00	7.723E+02	-5.153E+04	1.580E+00
188	3	10357.25	60.35	37.20	1	-1.591E+00	5.235E-02	-7.367E-03	-3.800E+04	-4.803E+02	-2.775E+03	5.238E-02	-1.591E+00	1.575E+00	-2.762E+02	-3.820E+04	1.644E+00
188	4	10347.75	100.58	37.20	1	-1.558E+00	1.168E-01	4.244E-02	-2.450E+04	-3.633E+03	9.373E+01	1.179E-01	-1.559E+00	1.545E+00	-3.633E+03	-2.450E+04	1.566E+00
189	1	10156.24	125.95	37.20	1	-3.764E-02	-2.529E+00	-1.469E-01	1.963E+03	-1.135E+04	2.167E+02	-2.901E-02	-2.538E+00	-5.868E+02	1.967E+03	-1.136E+04	1.627E-02
189	2	10165.74	136.45	37.20	1	2.789E-01	-3.505E+00	-4.563E-01	3.982E+03	-4.154E+03	1.040E+03	3.332E-01	-3.559E+00	-1.183E-01	4.113E+03	-4.284E+03	1.252E-01
189	3	10156.24	146.95	37.20	1	2.355E-02	-2.544E+00	-7.790E-01	2.218E+03	1.587E+03	1.018E+03	2.414E-01	-2.762E+00	-2.727E-01	2.968E+03	8.370E+02	6.352E-01
189	4	10146.75	136.45	37.20	1	-2.930E-01	-1.569E+00	-4.697E-01	5.044E+02	-5.846E+03	1.607E+03	-1.388E-01	-1.723E+00	-3.173E-01	8.877E+02	-6.229E+03	2.342E-01
190	1	10211.25	125.95	37.20	1	-6.083E-02	-1.707E+00	6.662E-01	-4.207E+03	-8.635E+03	1.905E+03	1.750E-01	-1.942E+00	3.403E-01	-3.500E+03	-9.342E+03	3.553E-01
190	2	10238.41	136.45	37.20	1	-3.109E-02	1.137E-01	6.976E-01	-7.575E+03	-6.838E+03	6.203E+02	7.427E-01	-6.601E-01	8.371E-01	-6.485E+03	-7.928E+03	1.054E+00
190	3	10211.25	146.95	37.20	1	-3.055E-03	-1.731E+00	6.655E-01	-3.982E+03	-2.165E+03	1.209E+03	2.235E-01	-1.958E+00	3.282E-01	-1.561E+03	-4.586E+03	1.108E+00
190	4	10184.08	136.45	37.20	1	-3.280E-02	-3.551E+00	6.341E-01	-6.153E+02	-5.963E+03	1.973E+03	7.798E-02	-3.662E+00	1.730E-01	3.410E+01	-6.612E+03	3.179E-01
191	1	10292.75	125.95	37.20	1	-6.213E-02	-1.747E+00	-6.718E-01	-4.204E+03	-8.614E+03	-1.899E+03	1.729E-01	-1.982E+00	-3.365E-01	-3.499E+03	-9.319E+03	-3.555E-01
191	2	10319.91	136.45	37.20	1	-3.598E-02	-3.631E+00	-6.417E-01	-6.104E+02	-5.915E+03	-1.966E+03	7.514E-02	-3.742E+00	-1.715E-01	3.879E+01	-6.565E+03	-3.189E-01
191	3	10292.75	146.95	37.20	1	-8.099E-03	-1.770E+00	-6.711E-01	-3.982E+03	-2.144E+03	-1.192E+03	2.184E-01	-1.997E+00	-3.255E-01	-1.558E+03	-4.568E+03	2.028E+00
191	4	10265.58	136.45	37.20	1	-3.424E-02	1.132E-01	-7.012E-01	-7.578E+03	-6.837E+03	6.076E+02	7.445E-01	-6.656E-01	2.304E+00	-6.495E+03	-7.919E+03	1.059E+00
192	1	10347.75	125.95	37.20	1	-3.820E-02	-2.592E+00	1.575E-01	1.971E+03	-1.132E+04	-2.121E+02	-2.853E-02	-2.601E+00	6.137E-02	1.974E+03	-1.132E+04	-1.596E-02
192	2	10357.25	136.45	37.20	1	-2.993E-01	-1.615E+00	4.855E-01	4.998E+02	-5.811E+03	-1.601E+03	-1.395E-01	-1.774E+00	3.180E-01	8.828E+02	-6.194E+03	-2.348E-01
192	3	10347.75	146.95	37.20	1	2.137E-02	-2.606E+00	8.005E-01	2.220E+03	1.628E+03	-1.020E+03	2.460E-01	-2.831E+00	2.736E-01	2.987E+03	8.616E+02	-6.441E-01
192	4	10338.25	136.45	37.20	1	2.825E-01	-3.583E+00	4.725E-01	3.991E+03	-4.105E+03	-1.032E+03	3.394E-01	-3.640E+00	1.199E-01	4.120E+03	-4.235E+03	-1.248E-01
193	1	10156.24	157.45	37.20	1	3.595E-01	-3.044E-01	-8.669E-01	2.734E+03	2.344E+03	1.605E+03	9.558E-01	-9.007E-01	-6.025E-01	4.156E+03	9.215E+02	7.250E-01
193	2	10165.74	167.95	37.20	1	-4.400E-01	5.960E-01	-7.442E-01	3.538E+03	1.375E+03	7.538E+02	9.847E-01	-8.287E-01	2.052E+00	3.775E+03	1.139E+03	3.044E-01
193	3	10156.24	178.45	37.20	1	-7.897E-01	-2.606E-02	-3.696E-01	1.744E+03	4.228E+02	1.057E+03	1.235E-01	-9.393E-01	1.955E+00	2.330E+03	-1.630E+02	5.061E-01
193	4	10146.75	167.95	37.20	1	9.882E-03	-9.265E-01	-4.923E-01	3.995E+02	1.803E+03	1.165E+03	2.211E-01	-1.138E+00	-4.052E-01	2.461E+03	-2.591E+02	1.056E+00
194	1	10211.25	157.45	37.20	1	2.751E-01	1.230E-01	7.144E-01	-3.706E+03	-7.141E+02	8.456E+02	9.175E-01	-5.194E-01	7.324E-01	-4.916E+02	-3.928E+03	1.314E+00
194	2	10238.41	167.95	37.20	1	4.304E-01	-6.130E-01	8.857E-01	-7.847E+03	-9.389E+02	9.410E+01	9.366E-01	-1.119E+00	5.192E-01	-9.376E+02	-7.848E+03	1.557E+00
194	3	10211.25	178.45	37.20	1	5.863E-01	-9.345E-03	7.146E-01	-3.753E+03	-2.367E+02	1.289E+02	1.063E+00	-4.857E-01	5.880E-01	-2.320E+02	-3.758E+03	1.534E+00
194	4	10184.08	167.95	37.20	1	4.310E-01	7.267E-01	5.433E-01	3.879E+02	-3.557E+02	3.063E+02	1.142E+00	1.578E-02	9.182E-01	4.978E+02	-4.656E+02	3.446E-01



195	1	10292.75	157.45	37.20	1	2.762E-01	1.251E-01	-7.196E-01	-3.710E+03	-7.207E+02	-8.256E+02	9.242E-01	-5.229E-01	-7.331E-01	-5.078E+02	-3.923E+03	1.823E+00
195	2	10319.91	167.95	37.20	1	4.272E-01	7.357E-01	-5.541E-01	3.742E+02	-3.676E+02	-2.947E+02	1.157E+00	6.296E-03	2.220E+00	4.770E+02	-4.704E+02	-3.357E-01
195	3	10292.75	178.45	37.20	1	5.775E-01	-2.990E-03	-7.199E-01	-3.761E+03	-2.420E+02	-1.123E+02	1.063E+00	-4.889E-01	-5.938E-01	-2.385E+02	-3.765E+03	1.603E+00
195	4	10265.58	167.95	37.20	1	4.265E-01	-6.136E-01	-8.854E-01	-7.846E+03	-9.411E+02	7.624E+01	9.333E-01	-1.120E+00	-5.199E-01	-9.402E+02	-7.847E+03	1.560E+00
196	1	10347.75	157.45	37.20	1	3.652E-01	-3.139E-01	8.866E-01	2.728E+03	2.334E+03	-1.609E+03	9.750E-01	-9.237E-01	6.025E-01	4.151E+03	9.102E+02	-7.245E-01
196	2	10357.25	167.95	37.20	1	7.869E-03	-9.477E-01	5.046E-01	4.017E+02	1.803E+03	-1.161E+03	2.250E-01	-1.165E+00	4.063E-01	2.458E+03	-2.539E+02	2.085E+00
196	3	10347.75	178.45	37.20	1	-8.080E-01	-2.973E-02	3.798E-01	1.729E+03	4.202E+02	-1.053E+03	1.249E-01	-9.626E-01	1.184E+00	2.314E+03	-1.651E+02	-5.073E-01
196	4	10338.25	167.95	37.20	1	-4.507E-01	6.040E-01	7.617E-01	3.517E+03	1.361E+03	-7.445E+02	1.003E+00	-8.498E-01	1.088E+00	3.749E+03	1.129E+03	-3.022E-01
197	1	12709.74	-167.95	39.75	1	2.005E-07	1.337E-06	3.630E-15	1.712E+03	3.280E+02	1.183E+03	1.337E-06	2.005E-07	1.571E+00	2.390E+03	-3.503E+02	5.208E-01
197	2	12719.24	-178.45	39.75	1	-3.229E-15	-3.229E-15	-5.141E-07	4.831E+02	1.938E+03	1.094E+03	5.141E-07	-5.141E-07	-7.854E-01	2.524E+03	-1.028E+02	1.079E+00
197	3	12728.74	-167.95	39.75	1	-2.005E-07	-1.337E-06	2.456E-15	1.625E+03	3.870E+03	8.211E+02	-2.005E-07	-1.337E-06	2.162E-09	4.139E+03	1.357E+03	1.255E+00
197	4	12719.24	-157.45	39.75	1	-4.862E-15	-4.862E-15	5.141E-07	2.418E+03	2.833E+03	1.455E+03	5.141E-07	-5.141E-07	7.854E-01	4.095E+03	1.156E+03	8.563E-01
198	1	12747.08	-167.95	39.75	1	7.013E-08	4.675E-07	-1.832E-15	-1.743E+02	6.358E+02	3.999E+02	4.675E-07	7.013E-08	1.571E+00	8.000E+02	-3.384E+02	1.181E+00
198	2	12774.24	-178.45	39.75	1	5.059E-15	5.059E-15	-5.141E-07	-2.748E+02	-3.758E+03	2.596E+02	5.141E-07	-5.141E-07	-7.854E-01	-2.555E+02	-3.777E+03	7.398E-02
198	3	12801.41	-167.95	39.75	1	-7.013E-08	-4.675E-07	-1.013E-15	-1.185E+03	-8.079E+03	1.484E+02	-7.013E-08	-4.675E-07	-2.549E-09	-1.182E+03	-8.083E+03	2.151E-02
198	4	12774.24	-157.45	39.75	1	2.409E-15	2.409E-15	5.141E-07	-7.317E+02	-3.685E+03	1.111E+03	5.141E-07	-5.141E-07	7.854E-01	-3.606E+02	-4.056E+03	3.224E-01
199	1	12828.58	-167.95	39.75	1	7.013E-08	4.675E-07	-4.355E-15	-1.185E+03	-8.079E+03	1.484E+02	4.675E-07	7.013E-08	1.571E+00	-1.182E+03	-8.083E+03	2.151E-02
199	2	12855.74	-178.45	39.75	1	-1.042E-15	-1.042E-15	-5.141E-07	-2.748E+02	-3.758E+03	-2.596E+02	5.141E-07	-5.141E-07	-7.854E-01	-2.555E+02	-3.777E+03	-7.398E-02
199	3	12882.91	-167.95	39.75	1	-7.013E-08	-4.675E-07	-3.691E-15	-1.743E+02	6.358E+02	-3.999E+02	-7.013E-08	-4.675E-07	-9.289E-09	8.000E+02	-3.384E+02	1.960E+00
199	4	12855.74	-157.45	39.75	1	-3.732E-15	-3.732E-15	5.141E-07	-7.317E+02	-3.685E+03	-1.111E+03	5.141E-07	-5.141E-07	7.854E-01	-3.606E+02	-4.056E+03	-3.224E-01
200	1	12901.24	-167.95	39.75	1	2.005E-07	1.337E-06	2.220E-15	1.625E+03	3.870E+03	-8.211E+02	1.337E-06	2.005E-07	1.571E+00	4.139E+03	1.357E+03	1.887E+00
200	2	12910.74	-178.45	39.75	1	-1.626E-14	-1.626E-14	-5.141E-07	4.831E+02	1.938E+03	-1.094E+03	5.141E-07	-5.141E-07	-7.854E-01	2.524E+03	-1.028E+02	2.063E+00
200	3	12920.24	-167.95	39.75	1	-2.005E-07	-1.337E-06	-9.259E-15	1.712E+03	3.280E+02	-1.183E+03	-2.005E-07	-1.337E-06	-8.148E-09	2.390E+03	-3.503E+02	-5.208E-01
200	4	12910.74	-157.45	39.75	1	2.390E-15	2.390E-15	5.141E-07	2.418E+03	2.833E+03	-1.455E+03	5.141E-07	-5.141E-07	7.854E-01	4.095E+03	1.156E+03	2.285E+00
201	1	12719.24	-146.95	39.75	1	5.412E-16	-2.408E-14	5.141E-07	2.125E+03	5.785E+02	-8.719E+02	5.141E-07	-5.141E-07	7.854E-01	2.517E+03	1.863E+02	-4.227E-01
201	2	12728.74	-136.45	39.75	1	-1.337E-06	-2.005E-07	1.417E-14	3.770E+03	-5.393E+03	-1.106E+03	-2.005E-07	-1.337E-06	1.571E+00	3.901E+03	-5.525E+03	-1.184E-01
201	3	12719.24	-125.95	39.75	1	-7.983E-15	-7.983E-15	-5.141E-07	1.814E+03	-1.237E+04	-2.624E+02	5.141E-07	-5.141E-07	-7.854E-01	1.819E+03	-1.237E+04	-1.849E-02
201	4	12709.74	-136.45	39.75	1	1.337E-06	2.005E-07	1.094E-14	6.274E+02	-6.747E+03	-1.644E+03	1.337E-06	2.005E-07	9.623E-09	9.771E+02	-7.097E+03	-2.097E-01
202	1	12774.24	-146.95	39.75	1	7.869E-15	-8.893E-15	5.141E-07	-4.072E+03	-2.891E+03	-1.442E+03	5.141E-07	-5.141E-07	7.854E-01	-1.923E+03	-5.040E+03	2.162E+00
202	2	12801.41	-136.45	39.75	1	-4.675E-07	-7.013E-08	1.428E-15	-7.570E+03	-7.255E+03	-6.472E+02	-7.013E-08	-4.675E-07	1.571E+00	-6.746E+03	-8.079E+03	2.237E+00
202	3	12774.24	-125.95	39.75	1	-3.862E-15	-3.862E-15	-5.141E-07	-4.275E+03	-9.327E+03	-1.932E+03	5.141E-07	-5.141E-07	-7.854E-01	-3.621E+03	-9.981E+03	-3.265E-01
202	4	12747.08	-136.45	39.75	1	4.675E-07	7.013E-08	1.026E-14	-7.783E+02	-7.204E+03	-2.029E+03	4.675E-07	7.013E-08	2.581E-08	-1.913E+02	-7.791E+03	-2.816E-01
203	1	12855.74	-146.95	39.75	1	-6.573E-15	-2.490E-15	5.141E-07	-4.072E+03	-2.891E+03	-1.442E+03	5.141E-07	-5.141E-07	7.854E-01	-1.923E+03	-5.040E+03	9.796E-01
203	2	12882.91	-136.45	39.75	1	-4.675E-07	-7.013E-08	1.663E-14	-7.783E+02	-7.204E+03	2.029E+03	-7.013E-08	-4.675E-07	1.571E+00	-1.913E+02	-7.791E+03	2.816E-01
203	3	12855.74	-125.95	39.75	1	3.397E-15	3.397E-15	-5.141E-07	-4.275E+03	-9.327E+03	1.932E+03	5.141E-07	-5.141E-07	-7.854E-01	-3.621E+03	-9.981E+03	3.265E-01
203	4	12828.58	-136.45	39.75	1	4.675E-07	7.013E-08	2.957E-15	-7.570E+03	-7.255E+03	-6.472E+02	4.675E-07	7.013E-08	7.440E-09	-6.746E+03	-8.079E+03	2.237E+00
204	1	12910.74	-146.95	39.75	1	5.532E-15	1.961E-14	5.141E-07	2.125E+03	5.785E+02	8.719E+02	5.141E-07	-5.141E-07	7.854E-01	2.517E+03	1.863E+02	4.227E-01
204	2	12920.24	-136.45	39.75	1	-1.337E-06	-2.005E-07	9.914E-15	6.274E+02	-6.747E+03	1.644E+03	-2.005E-07	-1.337E-06	1.571E+00	9.771E+02	-7.097E+03	2.097E-01
204	3	12910.74	-125.95	39.75	1	3.730E-15	3.730E-15	-5.141E-07	1.814E+03	-1.237E+04	2.624E+02	5.141E-07	-5.141E-07	-7.854E-01	1.819E+03	-1.237E+04	1.849E-02
204	4	12901.24	-136.45	39.75	1	1.337E-06	2.005E-07	1.898E-14	3.770E+03	-5.393E+03	1.106E+03	1.337E-06	2.005E-07	1.670E-08	3.901E+03	-5.525E+03	1.184E-01
205	1	12709.74	-60.35	39.75	1	1.003E-07	6.685E-07	-1.037E-14	-3.885E+04	-5.046E+02	-2.746E+03	6.685E-07	1.003E-07	1.571E+00	-3.088E+02	-3.905E+04	1.642E+00
205	2	12719.24	-100.58	39.75	1	-1.109E-14	-1.109E-14	-6.708E-08	-2.539E+04	-3.665E+03	1.242E+02	6.708E-08	-6.708E-08	-7.854E-01	-3.664E+03	-2.539E+04	1.565E+00
205	3	12728.74	-60.35	39.75	1	-1.003E-07	-6.685E-07	-2.823E-15	-3.877E+04	-1.329E+03	8.287E+02	-1.003E-07	-6.685E-07	-4.968E-09	-1.310E+03	-3.879E+04	1.549E+00

205	4	12719.24	-20.12	39.75	1	-1.147E-14	-1.147E-14	6.708E-08	-5.233E+04	7.567E+02	4.916E+02	6.708E-08	-6.708E-08	7.854E-01	7.613E+02	-5.234E+04	1.562E+00
206	1	12747.08	-60.35	39.75	1	3.506E-08	2.338E-07	1.993E-15	-3.972E+04	-3.732E+03	1.327E+03	2.338E-07	3.506E-08	1.571E+00	-3.683E+03	-3.977E+04	1.534E+00
206	2	12774.24	-100.58	39.75	1	-6.145E-15	-6.145E-15	-6.708E-08	-1.965E+04	-1.517E+04	2.026E+03	6.708E-08	-6.708E-08	-7.854E-01	-1.439E+04	-2.043E+04	1.203E+00
206	3	12801.41	-60.35	39.75	1	-3.506E-08	-2.338E-07	-2.741E-16	-3.802E+04	-1.997E+04	1.343E+03	-3.506E-08	-2.338E-07	-1.379E-09	-1.987E+04	-3.812E+04	1.497E+00
206	4	12774.24	-20.12	39.75	1	-1.277E-15	-1.277E-15	6.708E-08	-5.562E+04	-1.607E+04	1.780E+03	6.708E-08	-6.708E-08	7.854E-01	-1.599E+04	-5.570E+04	1.526E+00
207	1	12828.58	-60.35	39.75	1	3.506E-08	2.338E-07	-8.834E-15	-3.802E+04	-1.997E+04	1.343E+03	2.338E-07	3.506E-08	1.571E+00	-1.987E+04	-3.812E+04	1.497E+00
207	2	12855.74	-100.58	39.75	1	2.493E-15	2.493E-15	-6.708E-08	-1.965E+04	-1.517E+04	-2.026E+03	6.708E-08	-6.708E-08	-7.854E-01	-1.439E+04	-2.043E+04	1.939E+00
207	3	12882.91	-60.35	39.75	1	-3.506E-08	-2.338E-07	-7.009E-15	-3.972E+04	-3.732E+03	-1.327E+03	-3.506E-08	-2.338E-07	-3.527E-08	-3.683E+03	-3.977E+04	1.608E+00
207	4	12855.74	-20.12	39.75	1	-4.665E-15	-4.665E-15	6.708E-08	-5.562E+04	-1.607E+04	1.780E+03	6.708E-08	-6.708E-08	7.854E-01	-1.599E+04	-5.570E+04	1.526E+00
208	1	12901.24	-60.35	39.75	1	1.003E-07	6.685E-07	3.475E-15	-3.877E+04	-1.329E+03	-8.287E+02	6.685E-07	1.003E-07	1.571E+00	-1.310E+03	-3.879E+04	1.593E+00
208	2	12910.74	-100.58	39.75	1	5.015E-15	5.015E-15	-6.708E-08	-2.539E+04	-3.665E+03	-1.242E+02	6.708E-08	-6.708E-08	-7.854E-01	-3.664E+03	-2.539E+04	1.577E+00
208	3	12920.24	-60.35	39.75	1	-1.003E-07	-6.685E-07	-9.887E-15	-3.885E+04	-5.046E+02	2.746E+03	-1.003E-07	-6.685E-07	-1.740E-08	-3.088E+02	-3.905E+04	1.500E+00
208	4	12910.74	-20.12	39.75	1	1.053E-14	1.053E-14	6.708E-08	-5.233E+04	7.567E+02	4.916E+02	6.708E-08	-6.708E-08	7.854E-01	7.613E+02	-5.234E+04	1.562E+00
209	1	12709.74	60.35	39.75	1	-1.003E-07	-6.685E-07	3.775E-15	-3.885E+04	-5.046E+02	2.746E+03	-1.003E-07	-6.685E-07	6.643E-09	-3.088E+02	-3.905E+04	1.500E+00
209	2	12719.24	20.12	39.75	1	-3.766E-15	-3.766E-15	6.708E-08	-5.233E+04	7.567E+02	4.916E+02	6.708E-08	-6.708E-08	7.854E-01	7.613E+02	-5.234E+04	1.562E+00
209	3	12728.74	60.35	39.75	1	1.003E-07	6.685E-07	8.929E-15	-3.877E+04	-1.329E+03	-8.287E+02	6.685E-07	1.003E-07	1.571E+00	-1.310E+03	-3.879E+04	1.593E+00
209	4	12719.24	100.58	39.75	1	1.973E-15	1.973E-15	-6.708E-08	-2.539E+04	-3.665E+03	-1.242E+02	6.708E-08	-6.708E-08	-7.854E-01	-3.664E+03	-2.539E+04	1.577E+00
210	1	12747.08	60.35	39.75	1	-3.506E-08	-2.338E-07	2.151E-14	-3.972E+04	-3.732E+03	-1.327E+03	-3.506E-08	-2.338E-07	1.083E-07	-3.683E+03	-3.977E+04	1.608E+00
210	2	12774.24	20.12	39.75	1	7.022E-15	7.022E-15	6.708E-08	-5.562E+04	-1.607E+04	1.780E+03	6.708E-08	-6.708E-08	7.854E-01	-1.599E+04	-5.570E+04	1.526E+00
210	3	12801.41	60.35	39.75	1	3.506E-08	2.338E-07	2.107E-14	-3.802E+04	-1.997E+04	1.343E+03	2.338E-07	3.506E-08	1.571E+00	-1.987E+04	-3.812E+04	1.497E+00
210	4	12774.24	100.58	39.75	1	3.893E-15	3.893E-15	-6.708E-08	-1.965E+04	-1.517E+04	-2.026E+03	6.708E-08	-6.708E-08	-7.854E-01	-1.439E+04	-2.043E+04	1.939E+00
211	1	12828.58	60.35	39.75	1	-3.506E-08	-2.338E-07	1.074E-14	-3.802E+04	-1.997E+04	1.343E+03	-3.506E-08	-2.338E-07	5.405E-08	-1.987E+04	-3.812E+04	1.497E+00
211	2	12855.74	20.12	39.75	1	8.132E-16	8.132E-16	6.708E-08	-5.562E+04	-1.607E+04	1.780E+03	6.708E-08	-6.708E-08	7.854E-01	-1.599E+04	-5.570E+04	1.526E+00
211	3	12882.91	60.35	39.75	1	3.506E-08	2.338E-07	9.143E-15	-3.972E+04	-3.732E+03	1.327E+03	2.338E-07	3.506E-08	1.571E+00	-3.683E+03	-3.977E+04	1.534E+00
211	4	12855.74	100.58	39.75	1	5.372E-15	5.372E-15	-6.708E-08	-1.965E+04	-1.517E+04	2.026E+03	6.708E-08	-6.708E-08	-7.854E-01	-1.439E+04	-2.043E+04	1.203E+00
212	1	12901.24	60.35	39.75	1	-1.003E-07	-6.685E-07	9.906E-15	-3.877E+04	-1.329E+03	8.287E+02	-1.003E-07	-6.685E-07	1.743E-08	-1.310E+03	-3.879E+04	1.549E+00
212	2	12910.74	20.12	39.75	1	7.550E-15	7.550E-15	6.708E-08	-5.233E+04	7.567E+02	4.916E+02	6.708E-08	-6.708E-08	7.854E-01	7.613E+02	-5.234E+04	1.562E+00
212	3	12920.24	60.35	39.75	1	1.003E-07	6.685E-07	-4.768E-15	-3.885E+04	-5.046E+02	-2.746E+03	6.685E-07	1.003E-07	1.571E+00	-3.088E+02	-3.905E+04	1.642E+00
212	4	12910.74	100.58	39.75	1	4.945E-15	4.945E-15	-6.708E-08	-2.539E+04	-3.665E+03	1.242E+02	6.708E-08	-6.708E-08	-7.854E-01	-3.664E+03	-2.539E+04	1.565E+00
213	1	12719.24	125.95	39.75	1	1.888E-14	2.002E-14	-5.141E-07	1.814E+03	-1.237E+04	2.624E+02	5.141E-07	-5.141E-07	-7.854E-01	1.819E+03	-1.237E+04	1.849E-02
213	2	12728.74	136.45	39.75	1	1.337E-06	2.005E-07	1.080E-14	3.770E+03	-5.393E+03	1.106E+03	1.337E-06	2.005E-07	9.501E-09	3.901E+03	-5.525E+03	1.184E-01
213	3	12719.24	146.95	39.75	1	1.512E-14	1.512E-14	5.141E-07	2.125E+03	5.785E+02	8.719E+02	5.141E-07	-5.141E-07	7.854E-01	2.517E+03	1.863E+02	4.227E-01
213	4	12709.74	136.45	39.75	1	-1.337E-06	-2.005E-07	4.405E-15	6.274E+02	-6.747E+03	1.644E+03	-2.005E-07	-1.337E-06	1.571E+00	9.771E+02	-7.097E+03	2.097E-01
214	1	12774.24	125.95	39.75	1	4.118E-15	-1.904E-15	-5.141E-07	-4.275E+03	-9.327E+03	1.932E+03	5.141E-07	-5.141E-07	-7.854E-01	-3.621E+03	-9.981E+03	3.265E-01
214	2	12801.41	136.45	39.75	1	4.675E-07	7.013E-08	-1.036E-14	-7.570E+03	-7.255E+03	-6.472E+02	4.675E-07	7.013E-08	-2.607E-08	-6.746E+03	-8.079E+03	2.237E+00
214	3	12774.24	146.95	39.75	1	-1.820E-15	-1.820E-15	5.141E-07	-4.072E+03	-2.891E+03	1.442E+03	5.141E-07	-5.141E-07	7.854E-01	-1.923E+03	-5.040E+03	9.796E-01
214	4	12747.08	136.45	39.75	1	-4.675E-07	-7.013E-08	-7.307E-16	-7.783E+02	-7.204E+03	2.029E+03	-7.013E-08	-4.675E-07	1.571E+00	-1.913E+02	-7.791E+03	2.816E-01
215	1	12855.74	125.95	39.75	1	-7.425E-17	6.073E-15	-5.141E-07	-4.275E+03	-9.327E+03	-1.932E+03	5.141E-07	-5.141E-07	-7.854E-01	-3.621E+03	-9.981E+03	-3.265E-01
215	2	12882.91	136.45	39.75	1	4.675E-07	7.013E-08	2.532E-15	-7.783E+02	-7.204E+03	-2.029E+03	4.675E-07	7.013E-08	6.372E-09	-1.913E+02	-7.791E+03	-2.816E-01
215	3	12855.74	146.95	39.75	1	6.626E-15	6.626E-15	5.141E-07	-4.072E+03	-2.891E+03	-1.442E+03	5.141E-07	-5.141E-07	7.854E-01	-1.923E+03	-5.040E+03	2.162E+00
215	4	12828.58	136.45	39.75	1	-4.675E-07	-7.013E-08	-3.392E-15	-7.570E+03	-7.255E+03	-6.472E+02	-7.013E-08	-4.675E-07	1.571E+00	-6.746E+03	-8.079E+03	2.237E+00
216	1	12910.74	125.95	39.75	1	-7.296E-15	2.968E-14	-5.141E-07	1.814E+03	-1.237E+04	-2.624E+02	5.141E-07	-5.141E-07	-7.854E-01	1.819E+03	-1.237E+04	-1.849E-02
216	2	12920.24	136.45	39.75	1	1.337E-06	2.005E-07	2.228E-14	6.274E+02	-6.747E+03	-1.644E+03	1.337E-06	2.005E-07	1.961E-08	9.771E+02	-7.097E+03	-2.097E-01

216	3	12910.74	146.95	39.75	1	1.114E-14	1.114E-14	5.141E-07	2.125E+03	5.785E+02	-8.719E+02	5.141E-07	-5.141E-07	7.854E-01	2.517E+03	1.863E+02	-4.227E-01
216	4	12901.24	136.45	39.75	1	-1.337E-06	-2.005E-07	2.795E-14	3.770E+03	-5.393E+03	-1.106E+03	-2.005E-07	-1.337E-06	1.571E+00	3.901E+03	-5.525E+03	-1.184E-01
217	1	12719.24	157.45	39.75	1	1.279E-14	1.222E-14	-5.141E-07	2.833E+03	2.418E+03	1.455E+03	5.141E-07	-5.141E-07	-7.854E-01	4.095E+03	1.156E+03	7.145E-01
217	2	12728.74	167.95	39.75	1	1.337E-06	2.005E-07	4.319E-15	3.870E+03	1.625E+03	8.211E+02	1.337E-06	2.005E-07	3.800E-09	4.139E+03	1.357E+03	3.158E-01
217	3	12719.24	178.45	39.75	1	1.545E-14	1.545E-14	5.141E-07	1.938E+03	4.831E+02	1.094E+03	5.141E-07	-5.141E-07	7.854E-01	2.524E+03	-1.028E+02	4.918E-01
217	4	12709.74	167.95	39.75	1	-1.337E-06	-2.005E-07	-4.746E-16	3.280E+02	1.712E+03	1.183E+03	-2.005E-07	-1.337E-06	1.571E+00	2.390E+03	-3.503E+02	1.050E+00
218	1	12774.24	157.45	39.75	1	-4.793E-15	-1.793E-15	-5.141E-07	-3.685E+03	-7.317E+02	1.111E+03	5.141E-07	-5.141E-07	-7.854E-01	-3.606E+02	-4.056E+03	1.248E+00
218	2	12801.41	167.95	39.75	1	4.675E-07	7.013E-08	-9.029E-15	-8.079E+03	-1.185E+03	-1.484E+02	4.675E-07	7.013E-08	-2.272E-08	-1.182E+03	-8.083E+03	1.592E+00
218	3	12774.24	178.45	39.75	1	-7.957E-15	-7.957E-15	5.141E-07	-3.758E+03	-2.748E+02	2.596E+02	5.141E-07	-5.141E-07	7.854E-01	-2.555E+02	-3.777E+03	1.497E+00
218	4	12747.08	167.95	39.75	1	-4.675E-07	-7.013E-08	3.259E-15	6.358E+02	-1.743E+02	3.999E+02	-7.013E-08	-4.675E-07	1.571E+00	8.000E+02	-3.384E+02	3.895E-01
219	1	12855.74	157.45	39.75	1	3.333E-15	-4.199E-15	-5.141E-07	-3.685E+03	-7.317E+02	-1.111E+03	5.141E-07	-5.141E-07	-7.854E-01	-3.606E+02	-4.056E+03	1.893E+00
219	2	12882.91	167.95	39.75	1	4.675E-07	7.013E-08	-6.108E-15	6.358E+02	-1.743E+02	-3.999E+02	4.675E-07	7.013E-08	-1.537E-08	8.000E+02	-3.384E+02	-3.895E-01
219	3	12855.74	178.45	39.75	1	-6.228E-16	-6.228E-16	5.141E-07	-3.758E+03	-2.748E+02	-2.596E+02	5.141E-07	-5.141E-07	7.854E-01	-2.555E+02	-3.777E+03	1.645E+00
219	4	12828.58	167.95	39.75	1	-4.675E-07	-7.013E-08	1.556E-15	-8.079E+03	-1.185E+03	-1.484E+02	-7.013E-08	-4.675E-07	1.571E+00	-1.182E+03	-8.083E+03	1.592E+00
220	1	12910.74	157.45	39.75	1	3.365E-15	1.532E-14	-5.141E-07	2.833E+03	2.418E+03	-1.455E+03	5.141E-07	-5.141E-07	-7.854E-01	4.095E+03	1.156E+03	-7.145E-01
220	2	12920.24	167.95	39.75	1	1.337E-06	2.005E-07	2.690E-14	3.280E+02	1.712E+03	-1.183E+03	1.337E-06	2.005E-07	2.367E-08	2.390E+03	-3.503E+02	2.092E+00
220	3	12910.74	178.45	39.75	1	1.991E-14	1.991E-14	5.141E-07	1.938E+03	4.831E+02	-1.094E+03	5.141E-07	-5.141E-07	7.854E-01	2.524E+03	-1.028E+02	-4.918E-01
220	4	12901.24	167.95	39.75	1	-1.337E-06	-2.005E-07	2.110E-14	3.870E+03	1.625E+03	-8.211E+02	-2.005E-07	-1.337E-06	1.571E+00	4.139E+03	1.357E+03	-3.158E-01
221	1	15272.74	-167.95	42.30	1	-9.265E-01	9.882E-03	-4.923E-01	1.803E+03	3.995E+02	1.165E+03	2.211E-01	-1.138E+00	1.976E+00	2.461E+03	-2.591E+02	5.144E-01
221	2	15282.24	-178.45	42.30	1	-2.606E-02	-7.897E-01	-3.696E-01	4.228E+02	1.744E+03	1.057E+03	1.235E-01	-9.393E-01	-3.846E-01	2.330E+03	-1.630E+02	1.065E+00
221	3	15291.74	-167.95	42.30	1	5.960E-01	-4.400E-01	-7.442E-01	1.375E+03	3.538E+03	7.538E+02	9.847E-01	-8.287E-01	-4.813E-01	3.775E+03	1.139E+03	1.266E+00
221	4	15282.24	-157.45	42.30	1	-3.044E-01	3.595E-01	-8.669E-01	2.344E+03	2.734E+03	1.605E+03	9.558E-01	-9.007E-01	2.173E+00	4.156E+03	9.215E+02	8.458E-01
222	1	15310.08	-167.95	42.30	1	7.267E-01	4.310E-01	5.433E-01	-3.557E+02	3.879E+02	3.063E+02	1.142E+00	1.578E-02	6.526E-01	4.978E+02	-4.656E+02	1.226E+00
222	2	15337.24	-178.45	42.30	1	-9.345E-03	5.863E-01	7.146E-01	-2.367E+02	-3.753E+03	1.289E+02	1.063E+00	-4.857E-01	9.828E-01	-2.320E+02	-3.758E+03	3.661E-02
222	3	15364.41	-167.95	42.30	1	-6.130E-01	4.304E-01	8.857E-01	-9.389E+02	-7.847E+03	9.410E+01	9.366E-01	-1.119E+00	1.052E+00	-9.376E+02	-7.848E+03	1.362E-01
222	4	15337.24	-157.45	42.30	1	1.230E-01	2.751E-01	7.144E-01	-7.141E+02	-3.706E+03	8.456E+02	9.175E-01	-5.194E-01	8.384E-01	-4.916E+02	-3.928E+03	2.573E-01
223	1	15391.58	-167.95	42.30	1	-6.136E-01	4.265E-01	-8.854E-01	-9.411E+02	-7.846E+03	7.624E+01	9.333E-01	-1.120E+00	2.091E+00	-9.402E+02	-7.847E+03	1.104E-01
223	2	15418.74	-178.45	42.30	1	-2.990E-03	5.775E-01	-7.199E-01	-2.420E+02	-3.761E+03	-1.123E+02	1.063E+00	-4.889E-01	2.165E+00	-2.385E+02	-3.765E+03	-3.187E-02
223	3	15445.91	-167.95	42.30	1	7.357E-01	4.272E-01	-5.541E-01	-3.676E+02	3.742E+02	-2.947E+02	1.157E+00	6.296E-03	-6.496E-01	4.770E+02	-4.704E+02	1.907E+00
223	4	15418.74	-157.45	42.30	1	1.251E-01	2.762E-01	-7.196E-01	-7.207E+02	-3.710E+03	-8.256E+02	9.242E-01	-5.229E-01	2.304E+00	-5.078E+02	-3.923E+03	-2.523E-01
224	1	15464.24	-167.95	42.30	1	6.040E-01	-4.507E-01	7.617E-01	1.361E+03	3.517E+03	-7.445E+02	1.003E+00	-8.498E-01	4.826E-01	3.749E+03	1.129E+03	1.873E+00
224	2	15473.74	-178.45	42.30	1	-2.973E-02	-8.080E-01	3.798E-01	4.202E+02	1.729E+03	-1.053E+03	1.249E-01	-9.626E-01	3.866E-01	2.314E+03	-1.651E+02	2.078E+00
224	3	15483.24	-167.95	42.30	1	-9.477E-01	7.869E-03	5.046E-01	1.803E+03	4.017E+02	-1.161E+03	2.250E-01	-1.165E+00	1.164E+00	2.458E+03	-2.539E+02	-5.140E-01
224	4	15473.74	-157.45	42.30	1	-3.139E-01	3.652E-01	8.866E-01	2.334E+03	2.728E+03	-1.609E+03	9.750E-01	-9.237E-01	9.683E-01	4.151E+03	9.102E+02	2.295E+00
225	1	15282.24	-146.95	42.30	1	2.355E-02	-2.544E+00	7.790E-01	2.218E+03	1.587E+03	-1.018E+03	2.414E-01	-2.762E+00	2.727E-01	2.968E+03	8.370E+02	-6.352E-01
225	2	15291.74	-136.45	42.30	1	2.789E-01	-3.505E+00	4.563E-01	3.982E+03	-4.154E+03	-1.040E+03	3.332E-01	-3.559E+00	1.183E-01	4.113E+03	-4.284E+03	-1.252E-01
225	3	15282.24	-125.95	42.30	1	-3.764E-02	-2.529E+00	1.469E-01	1.963E+03	-1.135E+04	-2.167E+02	-2.901E-02	-2.538E+00	5.868E-02	1.967E+03	-1.136E+04	-1.627E-02
225	4	15272.74	-136.45	42.30	1	-2.930E-01	-1.569E+00	4.697E-01	5.044E+02	-5.846E+03	-1.607E+03	-1.388E-01	-1.723E+00	3.173E-01	8.877E+02	-6.229E+03	-2.342E-01
226	1	15337.24	-146.95	42.30	1	-3.055E-03	-1.731E+00	-6.655E-01	-3.982E+03	-2.165E+03	-1.209E+03	2.235E-01	-1.958E+00	-3.282E-01	-1.561E+03	-4.586E+03	2.034E+00
226	2	15364.41	-136.45	42.30	1	-3.109E-02	1.137E-01	-6.976E-01	-7.575E+03	-6.838E+03	-6.203E+02	7.427E-01	-6.601E-01	2.305E+00	-6.485E+03	-7.928E+03	2.088E+00
226	3	15337.24	-125.95	42.30	1	-6.083E-02	-1.707E+00	-6.662E-01	-4.207E+03	-8.635E+03	-1.905E+03	1.750E-01	-1.942E+00	-3.403E-01	-3.500E+03	-9.342E+03	-3.553E-01
226	4	15310.08	-136.45	42.30	1	-3.280E-02	-3.551E+00	-6.341E-01	-6.153E+02	-5.963E+03	-1.973E+03	7.798E-02	-3.662E+00	-1.730E-01	3.410E+01	-6.612E+03	-3.179E-01
227	1	15418.74	-146.95	42.30	1	-8.099E-03	-1.770E+00	6.711E-01	-3.982E+03	-2.144E+03	1.192E+03	2.184E-01	-1.997E+00	3.255E-01	-1.558E+03	-4.568E+03	1.114E+00

227	2	15445.91	-136.45	42.30	1	-3.598E-02	-3.631E+00	6.417E-01	-6.104E+02	-5.915E+03	1.966E+03	7.514E-02	-3.742E+00	1.715E-01	3.879E+01	-6.565E+03	3.189E-01
227	3	15418.74	-125.95	42.30	1	-6.213E-02	-1.747E+00	6.718E-01	-4.204E+03	-8.614E+03	1.899E+03	1.729E-01	-1.982E+00	3.365E-01	-3.499E+03	-9.319E+03	3.555E-01
227	4	15391.58	-136.45	42.30	1	-3.424E-02	1.132E-01	7.012E-01	-7.578E+03	-6.837E+03	-6.076E+02	7.445E-01	-6.656E-01	8.378E-01	-6.495E+03	-7.919E+03	2.082E+00
228	1	15473.74	-146.95	42.30	1	2.137E-02	-2.606E+00	-8.005E-01	2.220E+03	1.628E+03	1.020E+03	2.460E-01	-2.831E+00	-2.736E-01	2.987E+03	8.616E+02	6.441E-01
228	2	15483.24	-136.45	42.30	1	-2.993E-01	-1.615E+00	-4.855E-01	4.998E+02	-5.811E+03	1.601E+03	-1.395E-01	-1.774E+00	-3.180E-01	8.828E+02	-6.194E+03	2.348E-01
228	3	15473.74	-125.95	42.30	1	-3.820E-02	-2.592E+00	-1.575E-01	1.971E+03	-1.132E+04	2.121E+02	-2.853E-02	-2.601E+00	-6.137E-02	1.974E+03	-1.132E+04	1.596E-02
228	4	15464.24	-136.45	42.30	1	2.825E-01	-3.583E+00	-4.725E-01	3.991E+03	-4.105E+03	1.032E+03	3.394E-01	-3.640E+00	-1.199E-01	4.120E+03	-4.235E+03	1.248E-01
229	1	15272.74	-60.35	42.30	1	-1.544E+00	4.919E-02	-3.743E-03	-3.801E+04	-4.837E+02	-2.769E+03	4.920E-02	-1.544E+00	1.573E+00	-2.805E+02	-3.821E+04	1.644E+00
229	2	15282.24	-100.58	42.30	1	-1.515E+00	1.145E-01	3.841E-02	-2.452E+04	-3.633E+03	9.447E+01	1.154E-01	-1.516E+00	1.547E+00	-3.633E+03	-2.452E+04	1.566E+00
229	3	15291.74	-60.35	42.30	1	-1.498E+00	2.857E-02	-6.749E-03	-3.794E+04	-1.330E+03	8.193E+02	2.860E-02	-1.498E+00	1.575E+00	-1.312E+03	-3.796E+04	1.548E+00
229	4	15282.24	-20.12	42.30	1	-1.528E+00	-3.676E-02	-4.890E-02	-5.153E+04	7.643E+02	-4.954E+02	-3.516E-02	-1.529E+00	1.604E+00	7.690E+02	-5.153E+04	1.580E+00
230	1	15310.08	-60.35	42.30	1	-1.498E+00	2.987E-02	1.622E-01	-3.889E+04	-3.718E+03	1.320E+03	4.691E-02	-1.515E+00	1.466E+00	-3.668E+03	-3.894E+04	1.533E+00
230	2	15337.24	-100.58	42.30	1	-1.232E+00	1.038E-02	3.182E-01	-1.883E+04	-1.518E+04	2.031E+03	8.716E-02	-1.309E+00	1.334E+00	-1.427E+04	-1.973E+04	1.152E+00
230	3	15364.41	-60.35	42.30	1	-9.406E-01	-1.695E-01	1.790E-01	-3.722E+04	-2.010E+04	1.327E+03	-1.300E-01	-9.801E-01	1.354E+00	-1.999E+04	-3.732E+04	1.494E+00
230	4	15337.24	-20.12	42.30	1	-1.207E+00	-1.500E-01	2.298E-02	-5.483E+04	-1.609E+04	-1.769E+03	-1.495E-01	-1.208E+00	1.549E+00	-1.601E+04	-5.491E+04	1.616E+00
231	1	15391.58	-60.35	42.30	1	-9.414E-01	-1.749E-01	-1.803E-01	-3.722E+04	-2.010E+04	1.332E+03	-1.346E-01	-9.817E-01	1.791E+00	-2.000E+04	-3.732E+04	1.494E+00
231	2	15418.74	-100.58	42.30	1	-1.251E+00	1.230E-02	-3.293E-01	-1.882E+04	-1.518E+04	-2.019E+03	9.297E-02	-1.332E+00	1.811E+00	-1.428E+04	-1.972E+04	1.989E+00
231	3	15445.91	-60.35	42.30	1	-1.536E+00	3.771E-02	-1.634E-01	-3.887E+04	-3.712E+03	-1.323E+03	5.451E-02	-1.553E+00	1.673E+00	-3.662E+03	-3.892E+04	1.608E+00
231	4	15418.74	-20.12	42.30	1	-1.226E+00	-1.494E-01	-1.447E-02	-5.482E+04	-1.609E+04	-1.769E+03	-1.493E-01	-1.226E+00	1.584E+00	-1.601E+04	-5.490E+04	1.616E+00
232	1	15464.24	-60.35	42.30	1	-1.537E+00	2.811E-02	1.041E-02	-3.793E+04	-1.331E+03	-8.153E+02	2.818E-02	-1.538E+00	1.564E+00	-1.312E+03	-3.795E+04	1.593E+00
232	2	15473.74	-100.58	42.30	1	-1.558E+00	1.168E-01	-4.244E-02	-2.450E+04	-3.633E+03	-9.373E+01	1.179E-01	-1.559E+00	1.596E+00	-3.633E+03	-2.450E+04	1.575E+00
232	3	15483.24	-60.35	42.30	1	-1.591E+00	5.235E-02	7.367E-03	-3.800E+04	-4.803E+02	2.775E+03	5.238E-02	-1.591E+00	1.566E+00	-2.762E+02	-3.820E+04	1.497E+00
232	4	15473.74	-20.12	42.30	1	-1.571E+00	-3.639E-02	6.022E-02	-5.152E+04	7.676E+02	-4.969E+02	-3.403E-02	-1.573E+00	1.532E+00	7.723E+02	-5.153E+04	1.580E+00
233	1	15272.74	60.35	42.30	1	-1.544E+00	4.919E-02	3.743E-03	-3.801E+04	-4.837E+02	2.769E+03	4.920E-02	-1.544E+00	1.568E+00	-2.805E+02	-3.821E+04	1.498E+00
233	2	15282.24	20.12	42.30	1	-1.528E+00	-3.676E-02	4.890E-02	-5.153E+04	7.643E+02	-4.954E+02	-3.516E-02	-1.529E+00	1.538E+00	7.690E+02	-5.153E+04	1.580E+00
233	3	15291.74	60.35	42.30	1	-1.498E+00	2.857E-02	6.749E-03	-3.794E+04	-1.330E+03	-8.193E+02	2.860E-02	-1.498E+00	1.566E+00	-1.312E+03	-3.796E+04	1.593E+00
233	4	15282.24	100.58	42.30	1	-1.515E+00	1.145E-01	-3.841E-02	-2.452E+04	-3.633E+03	-9.447E+01	1.154E-01	-1.516E+00	1.594E+00	-3.633E+03	-2.452E+04	1.575E+00
234	1	15310.08	60.35	42.30	1	-1.498E+00	2.987E-02	-1.622E-01	-3.889E+04	-3.718E+03	-1.320E+03	4.691E-02	-1.515E+00	1.675E+00	-3.668E+03	-3.894E+04	1.608E+00
234	2	15337.24	20.12	42.30	1	-1.207E+00	-1.500E-01	-2.298E-02	-5.483E+04	-1.609E+04	-1.769E+03	-1.495E-01	-1.208E+00	1.593E+00	-1.601E+04	-5.491E+04	1.616E+00
234	3	15364.41	60.35	42.30	1	-9.406E-01	-1.695E-01	-1.790E-01	-3.722E+04	-2.010E+04	-1.327E+03	-1.300E-01	-9.801E-01	1.788E+00	-1.999E+04	-3.732E+04	1.648E+00
234	4	15337.24	100.58	42.30	1	-1.232E+00	1.038E-02	-3.182E-01	-1.883E+04	-1.518E+04	-2.031E+03	8.716E-02	-1.309E+00	1.808E+00	-1.427E+04	-1.973E+04	1.990E+00
235	1	15391.58	60.35	42.30	1	-9.414E-01	-1.749E-01	1.803E-01	-3.722E+04	-2.010E+04	-1.332E+03	-1.346E-01	-9.817E-01	1.351E+00	-2.000E+04	-3.732E+04	1.648E+00
235	2	15418.74	20.12	42.30	1	-1.226E+00	-1.494E-01	1.447E-02	-5.482E+04	-1.609E+04	-1.769E+03	-1.493E-01	-1.226E+00	1.557E+00	-1.601E+04	-5.490E+04	1.616E+00
235	3	15445.91	60.35	42.30	1	-1.536E+00	3.771E-02	1.634E-01	-3.887E+04	-3.712E+03	1.323E+03	5.451E-02	-1.553E+00	1.468E+00	-3.662E+03	-3.892E+04	1.533E+00
235	4	15418.74	100.58	42.30	1	-1.251E+00	1.230E-02	3.293E-01	-1.882E+04	-1.518E+04	2.019E+03	9.297E-02	-1.332E+00	1.331E+00	-1.428E+04	-1.972E+04	1.152E+00
236	1	15464.24	60.35	42.30	1	-1.537E+00	2.811E-02	-1.041E-02	-3.793E+04	-1.331E+03	8.153E+02	2.818E-02	-1.538E+00	1.577E+00	-1.312E+03	-3.795E+04	1.549E+00
236	2	15473.74	20.12	42.30	1	-1.571E+00	-3.639E-02	-6.022E-02	-5.152E+04	7.676E+02	-4.969E+02	-3.403E-02	-1.573E+00	1.610E+00	7.723E+02	-5.153E+04	1.580E+00
236	3	15483.24	60.35	42.30	1	-1.591E+00	5.235E-02	-7.367E-03	-3.800E+04	-4.803E+02	-2.775E+03	5.238E-02	-1.591E+00	1.575E+00	-2.762E+02	-3.820E+04	1.644E+00
236	4	15473.74	100.58	42.30	1	-1.558E+00	1.168E-01	4.244E-02	-2.450E+04	-3.633E+03	9.373E+01	1.179E-01	-1.559E+00	1.545E+00	-3.633E+03	-2.450E+04	1.566E+00
237	1	15282.24	125.95	42.30	1	-3.764E-02	-2.529E+00	-1.469E-01	1.963E+03	-1.135E+04	2.167E+02	-2.901E-02	-2.538E+00	-5.868E-02	1.967E+03	-1.136E+04	1.627E-02
237	2	15291.74	136.45	42.30	1	2.789E-01	-3.505E+00	-4.563E-01	3.982E+03	-4.154E+03	1.040E+03	3.332E-01	-3.559E+00	-1.183E-01	4.113E+03	-4.284E+03	1.252E-01
237	3	15282.24	146.95	42.30	1	2.355E-02	-2.544E+00	-7.790E-01	2.218E+03	1.587E+03	1.018E+03	2.414E-01	-2.762E+00	-2.727E-01	2.968E+03	8.370E+02	6.352E-01
237	4	15272.74	136.45	42.30	1	-2.930E-01	-1.569E+00	-4.697E-01	5.044E+02	-5.846E+03	1.607E+03	-1.388E-01	-1.723E+00	-3.173E-01	8.877E+02	-6.229E+03	2.342E-01

238	1	15337.24	125.95	42.30	1	-6.083E-02	-1.707E+00	6.662E-01	-4.207E+03	-8.635E+03	1.905E+03	1.750E-01	-1.942E+00	3.403E-01	-3.500E+03	-9.342E+03	3.553E-01
238	2	15364.41	136.45	42.30	1	-3.109E-02	1.137E-01	6.976E-01	-7.575E+03	-6.838E+03	6.203E+02	7.427E-01	-6.601E-01	8.371E-01	-6.485E+03	-7.928E+03	1.054E+00
238	3	15337.24	146.95	42.30	1	-3.055E-03	-1.731E+00	6.655E-01	-3.982E+03	-2.165E+03	1.209E+03	2.235E-01	-1.958E+00	3.282E-01	-1.561E+03	-4.586E+03	1.108E+00
238	4	15310.08	136.45	42.30	1	-3.280E-02	-3.551E+00	6.341E-01	-6.153E+02	-5.963E+03	1.973E+03	7.798E-02	-3.662E+00	1.730E-01	3.410E+01	-6.612E+03	3.179E-01
239	1	15418.74	125.95	42.30	1	-6.213E-02	-1.747E+00	-6.718E-01	-4.204E+03	-8.614E+03	-1.899E+03	1.729E-01	-1.982E+00	-3.365E-01	-3.499E+03	-9.319E+03	-3.555E-01
239	2	15445.91	136.45	42.30	1	-3.598E-02	-3.631E+00	-6.417E-01	-6.104E+02	-5.915E+03	-1.966E+03	7.514E-02	-3.742E+00	-1.715E-01	3.879E+01	-6.565E+03	-3.189E-01
239	3	15418.74	146.95	42.30	1	-8.099E-03	-1.770E+00	-6.711E-01	-3.982E+03	-2.144E+03	-1.192E+03	2.184E-01	-1.997E+00	-3.255E-01	-1.558E+03	-4.568E+03	2.028E+00
239	4	15391.58	136.45	42.30	1	-3.424E-02	1.132E-01	-7.012E-01	-7.578E+03	-6.837E+03	6.076E+02	7.445E-01	-6.656E-01	2.304E+00	-6.495E+03	-7.919E+03	1.059E+00
240	1	15473.74	125.95	42.30	1	-3.820E-02	-2.592E+00	1.575E-01	1.971E+03	-1.132E+04	-2.121E+02	-2.853E-02	-2.601E+00	6.137E-02	1.974E+03	-1.132E+04	-1.596E-02
240	2	15483.24	136.45	42.30	1	-2.993E-01	-1.615E+00	4.855E-01	4.998E+02	-5.811E+03	-1.601E+03	-1.395E-01	-1.774E+00	3.180E-01	8.828E+02	-6.194E+03	-2.348E-01
240	3	15473.74	146.95	42.30	1	2.137E-02	-2.606E+00	8.005E-01	2.220E+03	1.628E+03	-1.020E+03	2.460E-01	-2.831E+00	2.736E-01	2.987E+03	8.616E+02	-6.441E-01
240	4	15464.24	136.45	42.30	1	2.825E-01	-3.583E+00	4.725E-01	3.991E+03	-4.105E+03	-1.032E+03	3.394E-01	-3.640E+00	1.199E-01	4.120E+03	-4.235E+03	-1.248E-01
241	1	15282.24	157.45	42.30	1	3.595E-01	-3.044E-01	-8.669E-01	2.734E+03	2.344E+03	1.605E+03	9.558E-01	-9.007E-01	-6.025E-01	4.156E+03	9.215E+02	7.250E-01
241	2	15291.74	167.95	42.30	1	-4.400E-01	5.960E-01	-7.442E-01	3.538E+03	1.375E+03	7.538E+02	9.847E-01	-8.287E-01	2.052E+00	3.775E+03	1.139E+03	3.044E-01
241	3	15282.24	178.45	42.30	1	-7.897E-01	-2.606E-02	-3.696E-01	1.744E+03	4.228E+02	1.057E+03	1.235E-01	-9.393E-01	1.955E+00	2.330E+03	-1.630E+02	5.061E-01
241	4	15272.74	167.95	42.30	1	9.882E-03	-9.265E-01	-4.923E-01	3.995E+02	1.803E+03	1.165E+03	2.211E-01	-1.138E+00	-4.052E-01	2.461E+03	-2.591E+02	1.056E+00
242	1	15337.24	157.45	42.30	1	2.751E-01	1.230E-01	7.144E-01	-3.706E+03	-7.141E+02	8.456E+02	9.175E-01	-5.194E-01	7.324E-01	-4.916E+02	-3.928E+03	1.314E+00
242	2	15364.41	167.95	42.30	1	4.304E-01	-6.130E-01	8.857E-01	-7.847E+03	-9.389E+02	9.410E+01	9.366E-01	-1.119E+00	5.192E-01	-9.376E+02	-7.848E+03	1.557E+00
242	3	15337.24	178.45	42.30	1	5.863E-01	-9.345E-03	7.146E-01	-3.753E+03	-2.367E+02	1.289E+02	1.063E+00	-4.857E-01	5.880E-01	-2.320E+02	-3.758E+03	1.534E+00
242	4	15310.08	167.95	42.30	1	4.310E-01	7.267E-01	5.433E-01	3.879E+02	-3.557E+02	3.063E+02	1.142E+00	1.578E-02	9.182E-01	4.978E+02	-4.656E+02	3.446E-01
243	1	15418.74	157.45	42.30	1	2.762E-01	1.251E-01	-7.196E-01	-3.710E+03	-7.207E+02	-8.256E+02	9.242E-01	-5.229E-01	-7.331E-01	-5.078E+02	-3.923E+03	1.823E+00
243	2	15445.91	167.95	42.30	1	4.272E-01	7.357E-01	-5.541E-01	3.742E+02	-3.676E+02	-2.947E+02	1.157E+00	6.296E-03	2.220E+00	4.770E+02	-4.704E+02	-3.357E-01
243	3	15418.74	178.45	42.30	1	5.775E-01	-2.990E-03	-7.199E-01	-3.761E+03	-2.420E+02	-1.123E+02	1.063E+00	-4.889E-01	-5.938E-01	-2.385E+02	-3.765E+03	1.603E+00
243	4	15391.58	167.95	42.30	1	4.265E-01	-6.136E-01	-8.854E-01	-7.846E+03	-9.411E+02	7.624E+01	9.333E-01	-1.120E+00	-5.199E-01	-9.402E+02	-7.847E+03	1.560E+00
244	1	15473.74	157.45	42.30	1	3.652E-01	-3.139E-01	8.866E-01	2.728E+03	2.334E+03	-1.609E+03	9.750E-01	-9.237E-01	6.025E-01	4.151E+03	9.102E+02	-7.245E-01
244	2	15483.24	167.95	42.30	1	7.869E-03	-9.477E-01	5.046E-01	4.017E+02	1.803E+03	-1.161E+03	2.250E-01	-1.165E+00	4.063E-01	2.458E+03	-2.539E+02	2.085E+00
244	3	15473.74	178.45	42.30	1	-8.080E-01	-2.973E-02	3.798E-01	1.729E+03	4.202E+02	-1.053E+03	1.249E-01	-9.626E-01	1.184E+00	2.314E+03	-1.651E+02	-5.073E-01
244	4	15464.24	167.95	42.30	1	-4.507E-01	6.040E-01	7.617E-01	3.517E+03	1.361E+03	-7.445E+02	1.003E+00	-8.498E-01	1.088E+00	3.749E+03	1.129E+03	-3.022E-01
245	1	17835.74	-167.95	44.85	1	-2.813E-14	-1.741E-13	-6.527E-16	1.706E+03	3.265E+02	1.179E+03	-2.813E-14	-1.741E-13	0.000E+00	2.382E+03	-3.493E+02	5.206E-01
245	2	17845.24	-178.45	44.85	1	-6.028E-14	6.419E-14	7.621E-30	4.824E+02	1.931E+03	1.090E+03	6.419E-14	-6.028E-14	1.571E+00	2.516E+03	-1.021E+02	1.079E+00
245	3	17854.74	-167.95	44.85	1	1.744E-13	2.611E-14	-1.816E-29	1.622E+03	3.864E+03	8.144E+02	1.744E-13	2.611E-14	0.000E+00	4.128E+03	1.357E+03	1.257E+00
245	4	17845.24	-157.45	44.85	1	-6.370E-14	6.417E-14	-7.829E-30	2.410E+03	2.830E+03	1.450E+03	6.417E-14	-6.370E-14	1.571E+00	4.085E+03	1.155E+03	8.573E-01
246	1	17873.08	-167.95	44.85	1	-9.668E-15	-5.606E-14	1.656E-15	-1.793E+02	6.268E+02	3.916E+02	-9.609E-15	-5.612E-14	0.000E+00	7.857E+02	-3.383E+02	1.185E+00
246	2	17900.24	-178.45	44.85	1	-6.311E-14	6.109E-14	7.605E-30	-2.780E+02	-3.771E+03	2.492E+02	6.109E-14	-6.311E-14	1.571E+00	-2.603E+02	-3.789E+03	7.088E-02
246	3	17927.41	-167.95	44.85	1	5.970E-14	7.501E-15	-6.392E-30	-1.189E+03	-8.094E+03	-1.585E+02	5.970E-14	7.501E-15	0.000E+00	-1.185E+03	-8.098E+03	-2.294E-02
246	4	17900.24	-157.45	44.85	1	-6.336E-14	6.456E-14	-7.832E-30	-7.358E+02	-3.696E+03	1.101E+03	6.456E-14	-6.336E-14	1.571E+00	-3.714E+02	-4.061E+03	3.197E-01
247	1	17954.58	-167.95	44.85	1	-9.836E-15	-5.826E-14	-3.233E-15	-1.185E+03	-8.097E+03	-1.605E+02	-9.621E-15	-5.847E-14	0.000E+00	-1.182E+03	-8.100E+03	-2.321E-02
247	2	17981.74	-178.45	44.85	1	-5.962E-14	5.962E-14	7.301E-30	-2.727E+02	-3.760E+03	-2.710E+02	5.962E-14	-5.962E-14	1.571E+00	-2.517E+02	-3.781E+03	-7.710E-02
247	3	18008.91	-167.95	44.85	1	5.960E-14	1.061E-14	-6.000E-30	-1.697E+02	6.479E+02	-4.099E+02	5.960E-14	1.061E-14	0.000E+00	8.180E+02	-3.398E+02	1.964E+00
247	4	17981.74	-157.45	44.85	1	-6.656E-14	6.620E-14	-8.129E-30	-7.304E+02	-3.689E+03	-1.126E+03	6.620E-14	-6.656E-14	1.571E+00	-3.508E+02	-4.068E+03	-3.252E-01
248	1	18027.24	-167.95	44.85	1	-2.507E-14	-1.911E-13	1.166E-16	1.636E+03	3.893E+03	-8.312E+02	-2.507E-14	-1.911E-13	0.000E+00	4.166E+03	1.363E+03	1.888E+00
248	2	18036.74	-178.45	44.85	1	-6.707E-14	6.966E-14	8.372E-30	4.858E+02	1.953E+03	-1.101E+03	6.966E-14	-6.707E-14	1.571E+00	2.543E+03	-1.039E+02	2.062E+00
248	3	18046.24	-167.95	44.85	1	1.660E-13	2.601E-14	-1.715E-29	1.724E+03	3.310E+02	-1.192E+03	1.660E-13	2.601E-14	0.000E+00	2.408E+03	-3.527E+02	-5.209E-01

248	4	18036.74	-157.45	44.85	1	-7.596E-14	5.981E-14	-8.313E-30	2.435E+03	2.847E+03	-1.466E+03	5.981E-14	-7.596E-14	1.571E+00	4.121E+03	1.161E+03	2.286E+00
249	1	17845.24	-146.95	44.85	1	2.066E-15	3.075E-15	-7.080E-14	2.122E+03	5.701E+02	-8.703E+02	7.337E-14	-6.823E-14	1.571E+00	2.512E+03	1.801E+02	-4.213E-01
249	2	17854.74	-136.45	44.85	1	2.376E-14	1.831E-13	9.759E-30	3.766E+03	-5.406E+03	-1.099E+03	1.831E-13	2.376E-14	1.571E+00	3.896E+03	-5.535E+03	-1.176E-01
249	3	17845.24	-125.95	44.85	1	6.289E-14	-5.547E-14	-1.449E-29	1.814E+03	-1.238E+04	-2.581E+02	6.289E-14	-5.547E-14	0.000E+00	1.819E+03	-1.239E+04	-1.818E-02
249	4	17835.74	-136.45	44.85	1	-1.745E-13	-1.859E-14	-9.544E-30	6.291E+02	-6.756E+03	-1.638E+03	-1.859E-14	-1.745E-13	1.571E+00	9.760E+02	-7.103E+03	-2.087E-01
250	1	17900.24	-146.95	44.85	1	4.149E-15	-6.919E-16	-6.860E-14	-4.084E+03	-2.902E+03	-1.432E+03	7.037E-14	-6.691E-14	0.000E+00	-1.944E+03	-5.042E+03	2.160E+00
250	2	17927.41	-136.45	44.85	1	8.273E-15	6.390E-14	3.406E-30	-7.585E+03	-7.270E+03	6.536E+02	6.390E-14	8.273E-15	1.571E+00	-6.755E+03	-8.100E+03	9.034E-01
250	3	17900.24	-125.95	44.85	1	6.864E-14	-6.352E-14	-1.618E-29	-4.286E+03	-9.341E+03	-1.922E+03	6.864E-14	-6.352E-14	0.000E+00	-3.638E+03	-9.989E+03	-3.250E-01
250	4	17873.08	-136.45	44.85	1	-5.432E-14	-1.024E-14	-2.699E-30	-7.860E+02	-7.219E+03	-2.020E+03	-1.024E-14	-5.432E-14	1.571E+00	-2.044E+02	-7.800E+03	-2.804E-01
251	1	17981.74	-146.95	44.85	1	-1.129E-15	3.372E-18	-6.796E-14	-4.075E+03	-2.892E+03	1.459E+03	6.740E-14	-6.852E-14	1.571E+00	-1.909E+03	-5.058E+03	9.781E-01
251	2	18008.91	-136.45	44.85	1	1.135E-14	5.943E-14	2.944E-30	-7.734E+02	-7.218E+03	2.046E+03	5.943E-14	1.135E-14	1.571E+00	-1.789E+02	-7.813E+03	2.828E-01
251	3	17981.74	-125.95	44.85	1	6.811E-14	-6.928E-14	-1.683E-29	-4.281E+03	-9.350E+03	1.950E+03	6.811E-14	-6.928E-14	0.000E+00	-3.618E+03	-1.001E+04	3.279E-01
251	4	17954.58	-136.45	44.85	1	-6.260E-14	-1.057E-14	-3.186E-30	-7.585E+03	-7.268E+03	6.619E+02	-1.057E-14	-6.260E-14	1.571E+00	-6.746E+03	-8.107E+03	9.026E-01
252	1	18036.74	-146.95	44.85	1	-1.517E-14	4.344E-15	-6.804E-14	2.137E+03	5.895E+02	8.812E+02	6.333E-14	-7.415E-14	1.571E+00	2.536E+03	1.905E+02	4.252E-01
252	2	18046.24	-136.45	44.85	1	3.104E-14	1.741E-13	8.762E-30	6.281E+02	-6.765E+03	1.656E+03	1.741E-13	3.104E-14	1.571E+00	9.820E+02	-7.119E+03	2.106E-01
252	3	18036.74	-125.95	44.85	1	7.046E-14	-7.153E-14	-1.739E-29	1.822E+03	-1.241E+04	2.677E+02	7.046E-14	-7.153E-14	0.000E+00	1.827E+03	-1.241E+04	1.881E-02
252	4	18027.24	-136.45	44.85	1	-1.912E-13	-2.610E-14	-1.011E-29	3.788E+03	-5.403E+03	1.118E+03	-2.610E-14	-1.912E-13	1.571E+00	3.922E+03	-5.537E+03	1.193E-01
253	1	17835.74	-60.35	44.85	1	-4.258E-15	-8.722E-14	5.675E-16	-3.889E+04	-4.992E+02	-2.760E+03	-4.254E-15	-8.722E-14	0.000E+00	-3.017E+02	-3.909E+04	1.642E+00
253	2	17845.24	-100.58	44.85	1	-9.966E-16	1.472E-14	9.623E-31	-2.542E+04	-3.673E+03	1.129E+02	1.472E-14	-9.966E-16	1.571E+00	-3.672E+03	-2.542E+04	1.566E+00
253	3	17854.74	-60.35	44.85	1	9.562E-14	1.845E-14	-9.450E-30	-3.881E+04	-1.331E+03	8.155E+02	9.562E-14	1.845E-14	0.000E+00	-1.313E+03	-3.883E+04	1.549E+00
253	4	17845.24	-20.12	44.85	1	-1.117E-14	1.071E-14	-1.340E-30	-5.238E+04	7.675E+02	-4.963E+02	1.071E-14	-1.117E-14	1.571E+00	7.722E+02	-5.239E+04	1.580E+00
254	1	17873.08	-60.35	44.85	1	2.530E-16	-3.992E-14	4.130E-15	-3.976E+04	-3.721E+03	1.300E+03	6.730E-16	-4.034E-14	0.000E+00	-3.674E+03	-3.981E+04	1.535E+00
254	2	17900.24	-100.58	44.85	1	-1.043E-14	1.415E-14	1.505E-30	-1.969E+04	-1.521E+04	1.995E+03	1.415E-14	-1.043E-14	1.571E+00	-1.445E+04	-2.045E+04	1.207E+00
254	3	17927.41	-60.35	44.85	1	2.717E-14	-4.994E-15	-3.939E-30	-3.809E+04	-1.997E+04	-1.391E+03	2.717E-14	-4.994E-15	0.000E+00	-1.986E+04	-3.820E+04	1.647E+00
254	4	17900.24	-20.12	44.85	1	-2.437E-14	3.786E-15	-1.724E-30	-5.569E+04	-1.603E+04	-1.789E+03	3.786E-15	-2.437E-14	1.571E+00	-1.595E+04	-5.577E+04	1.616E+00
255	1	17954.58	-60.35	44.85	1	-1.034E-14	-2.770E-14	7.253E-16	-3.811E+04	-2.005E+04	-1.376E+03	-1.031E-14	-2.773E-14	0.000E+00	-1.995E+04	-3.821E+04	1.646E+00
255	2	17981.74	-100.58	44.85	1	-1.280E-14	9.944E-15	1.392E-30	-1.968E+04	-1.520E+04	-2.065E+03	9.944E-15	-1.280E-14	1.571E+00	-1.439E+04	-2.049E+04	1.943E+00
255	3	18008.91	-60.35	44.85	1	3.657E-14	7.081E-15	-3.611E-30	-3.983E+04	-3.757E+03	-1.332E+03	3.657E-14	7.081E-15	0.000E+00	-3.708E+03	-3.988E+04	1.608E+00
255	4	17981.74	-20.12	44.85	1	-1.008E-14	1.644E-14	-1.624E-30	-5.578E+04	-1.618E+04	1.768E+03	1.644E-14	-1.008E-14	1.571E+00	-1.610E+04	-5.585E+04	1.526E+00
256	1	18027.24	-60.35	44.85	1	-1.285E-14	-9.545E-14	3.824E-15	-3.888E+04	-1.331E+03	-8.458E+02	-1.268E-14	-9.563E-14	0.000E+00	-1.312E+03	-3.890E+04	1.593E+00
256	2	18036.74	-100.58	44.85	1	-1.178E-14	5.953E-15	1.086E-30	-2.546E+04	-3.671E+03	-1.364E+02	5.953E-15	-1.178E-14	1.571E+00	-3.670E+03	-2.546E+04	1.577E+00
256	3	18046.24	-60.35	44.85	1	8.767E-14	9.560E-15	-9.565E-30	-3.896E+04	-5.120E+02	2.743E+03	8.767E-14	9.560E-15	0.000E+00	-3.174E+02	-3.916E+04	1.500E+00
256	4	18036.74	-20.12	44.85	1	-1.093E-14	5.048E-15	-9.784E-31	-5.249E+04	7.486E+02	-4.909E+02	5.048E-15	-1.093E-14	1.571E+00	7.531E+02	-5.249E+04	1.580E+00
257	1	17835.74	60.35	44.85	1	1.826E-14	7.015E-14	-1.207E-15	-3.889E+04	-4.992E+02	2.760E+03	7.018E-14	1.823E-14	1.571E+00	-3.017E+02	-3.909E+04	1.499E+00
257	2	17845.24	20.12	44.85	1	-1.612E-14	1.168E-14	1.702E-30	-5.238E+04	7.675E+02	-4.963E+02	1.168E-14	-1.612E-14	1.571E+00	7.722E+02	-5.239E+04	1.580E+00
257	3	17854.74	60.35	44.85	1	-9.901E-15	-9.560E-14	-1.049E-29	-3.881E+04	-1.331E+03	-8.155E+02	-9.901E-15	-9.560E-14	0.000E+00	-1.313E+03	-3.883E+04	1.593E+00
257	4	17845.24	100.58	44.85	1	-1.880E-14	8.633E-15	-1.679E-30	-2.542E+04	-3.673E+03	-1.129E+02	8.633E-15	-1.880E-14	1.571E+00	-3.672E+03	-2.542E+04	1.576E+00
258	1	17873.08	60.35	44.85	1	8.795E-15	2.724E-14	-5.593E-15	-3.976E+04	-3.721E+03	-1.300E+03	2.880E-14	7.232E-15	1.571E+00	-3.674E+03	-3.981E+04	1.607E+00
258	2	17900.24	20.12	44.85	1	-2.667E-14	1.684E-14	2.664E-30	-5.569E+04	-1.603E+04	-1.789E+03	1.684E-14	-2.667E-14	1.571E+00	-1.595E+04	-5.577E+04	1.616E+00
258	3	17927.41	60.35	44.85	1	1.117E-14	-3.728E-14	-5.933E-30	-3.809E+04	-1.997E+04	-1.283E+03	1.117E-14	-3.728E-14	0.000E+00	-1.988E+04	-3.818E+04	1.641E+00
258	4	17900.24	100.58	44.85	1	1.349E-15	1.858E-14	-1.055E-30	-1.969E+04	-1.521E+04	-1.995E+03	1.858E-14	1.349E-15	1.571E+00	-1.445E+04	-2.045E+04	1.934E+00
259	1	17954.58	60.35	44.85	1	1.937E-14	3.857E-14	-2.716E-14	-3.811E+04	-2.005E+04	-1.299E+03	5.777E-14	1.609E-16	1.571E+00	-1.996E+04	-3.820E+04	1.642E+00
259	2	17981.74	20.12	44.85	1	-1.798E-14	4.981E-14	4.151E-30	-5.578E+04	-1.618E+04	1.768E+03	4.981E-14	-1.798E-14	1.571E+00	-1.610E+04	-5.585E+04	1.526E+00

259	3	18008.91	60.35	44.85	1	3.450E-14	-3.890E-14	-8.988E-30	-3.983E+04	-3.757E+03	1.332E+03	3.450E-14	-3.890E-14	0.000E+00	-3.708E+03	-3.988E+04	1.534E+00
259	4	17981.74	100.58	44.85	1	-1.192E-14	3.596E-14	-2.932E-30	-1.968E+04	-1.520E+04	2.065E+03	3.596E-14	-1.192E-14	1.571E+00	-1.439E+04	-2.049E+04	1.199E+00
260	1	18027.24	60.35	44.85	1	3.800E-14	7.389E-14	-8.043E-15	-3.888E+04	-1.331E+03	8.458E+02	7.561E-14	3.628E-14	1.571E+00	-1.312E+03	-3.890E+04	1.548E+00
260	2	18036.74	20.12	44.85	1	-8.648E-15	3.540E-14	2.697E-30	-5.249E+04	7.486E+02	-4.909E+02	3.540E-14	-8.648E-15	1.571E+00	7.531E+02	-5.249E+04	1.580E+00
260	3	18046.24	60.35	44.85	1	1.483E-14	-7.531E-14	-1.104E-29	-3.896E+04	-5.120E+02	-2.743E+03	1.483E-14	-7.531E-14	0.000E+00	-3.174E+02	-3.916E+04	1.642E+00
260	4	18036.74	100.58	44.85	1	-8.340E-15	4.145E-14	-3.049E-30	-2.546E+04	-3.671E+03	1.364E+02	4.145E-14	-8.340E-15	1.571E+00	-3.670E+03	-2.546E+04	1.565E+00
261	1	17845.24	125.95	44.85	1	-1.876E-14	-5.424E-15	6.967E-14	1.814E+03	-1.238E+04	2.581E+02	5.789E-14	-8.207E-14	1.571E+00	1.819E+03	-1.239E+04	1.818E-02
261	2	17854.74	136.45	44.85	1	-1.834E-13	-3.057E-14	9.356E-30	3.766E+03	-5.406E+03	1.099E+03	-3.057E-14	-1.834E-13	1.571E+00	3.896E+03	-5.535E+03	1.176E-01
261	3	17845.24	146.95	44.85	1	5.719E-14	-6.782E-14	-1.531E-29	2.122E+03	5.701E+02	8.703E+02	5.719E-14	-6.782E-14	0.000E+00	2.512E+03	1.801E+02	4.213E-01
261	4	17835.74	136.45	44.85	1	1.615E-14	1.742E-13	-9.677E-30	6.291E+02	-6.756E+03	1.638E+03	1.742E-13	1.615E-14	1.571E+00	9.760E+02	-7.103E+03	2.087E-01
262	1	17900.24	125.95	44.85	1	1.158E-14	-1.040E-14	6.238E-14	-4.286E+03	-9.341E+03	1.922E+03	6.393E-14	-6.274E-14	0.000E+00	-3.638E+03	-9.989E+03	3.250E-01
262	2	17927.41	136.45	44.85	1	-6.393E-14	-1.369E-14	3.076E-30	-7.585E+03	-7.270E+03	6.352E+02	-1.369E-14	-6.393E-14	1.571E+00	-6.773E+03	-8.082E+03	9.067E-01
262	3	17900.24	146.95	44.85	1	6.318E-14	-7.266E-14	-1.663E-29	-4.084E+03	-2.902E+03	1.432E+03	6.318E-14	-7.266E-14	0.000E+00	-1.944E+03	-5.042E+03	9.811E-01
262	4	17873.08	136.45	44.85	1	3.081E-15	6.346E-14	-3.697E-30	-7.860E+02	-7.219E+03	2.020E+03	6.346E-14	3.081E-15	1.571E+00	-2.044E+02	-7.800E+03	2.804E-01
263	1	17981.74	125.95	44.85	1	4.055E-15	3.198E-14	7.979E-14	-4.281E+03	-9.350E+03	-1.950E+03	9.902E-14	-6.299E-14	1.571E+00	-3.618E+03	-1.001E+04	-3.279E-01
263	2	18008.91	136.45	44.85	1	-5.505E-14	6.494E-14	7.347E-30	-7.734E+02	-7.218E+03	-2.046E+03	6.494E-14	-5.505E-14	1.571E+00	-1.789E+02	-7.813E+03	-2.828E-01
263	3	17981.74	146.95	44.85	1	6.805E-14	-2.740E-14	-1.169E-29	-4.075E+03	-2.892E+03	-1.459E+03	6.805E-14	-2.740E-14	0.000E+00	-1.909E+03	-5.058E+03	2.164E+00
263	4	17954.58	136.45	44.85	1	-2.887E-15	6.944E-14	-4.428E-30	-7.585E+03	-7.268E+03	6.269E+02	6.944E-14	-2.887E-15	1.571E+00	-6.780E+03	-8.073E+03	9.089E-01
264	1	18036.74	125.95	44.85	1	2.261E-14	1.377E-13	6.279E-14	1.822E+03	-1.241E+04	-2.677E+02	1.654E-13	-5.015E-15	1.571E+00	1.827E+03	-1.241E+04	-1.881E-02
264	2	18046.24	136.45	44.85	1	-1.571E-13	1.779E-13	2.051E-29	6.281E+02	-6.765E+03	-1.656E+03	1.779E-13	-1.571E-13	1.571E+00	9.820E+02	-7.119E+03	-2.106E-01
264	3	18036.74	146.95	44.85	1	1.556E-13	1.073E-14	-1.774E-29	2.137E+03	5.895E+02	-8.812E+02	1.556E-13	1.073E-14	0.000E+00	2.536E+03	1.905E+02	-4.252E-01
264	4	18027.24	136.45	44.85	1	8.851E-14	2.209E-13	-8.108E-30	3.788E+03	-5.403E+03	-1.118E+03	2.209E-13	8.851E-14	1.571E+00	3.922E+03	-5.537E+03	-1.193E-01
265	1	17845.24	157.45	44.85	1	6.119E-16	-7.007E-15	6.189E-14	2.830E+03	2.410E+03	1.450E+03	5.881E-14	-6.521E-14	0.000E+00	4.085E+03	1.155E+03	7.135E-01
265	2	17854.74	167.95	44.85	1	-1.661E-13	-2.464E-14	8.664E-30	3.864E+03	1.622E+03	8.144E+02	-2.464E-14	-1.661E-13	1.571E+00	4.128E+03	1.357E+03	3.142E-01
265	3	17845.24	178.45	44.85	1	5.843E-14	-7.958E-14	-1.690E-29	1.931E+03	4.824E+02	1.090E+03	5.843E-14	-7.958E-14	0.000E+00	2.516E+03	-1.021E+02	4.921E-01
265	4	17835.74	167.95	44.85	1	1.510E-14	1.571E-13	-8.695E-30	3.265E+02	1.706E+03	1.179E+03	1.571E-13	1.510E-14	1.571E+00	2.382E+03	-3.493E+02	1.050E+00
266	1	17900.24	157.45	44.85	1	-6.937E-15	-3.224E-15	5.842E-14	-3.696E+03	-7.358E+02	1.101E+03	5.336E-14	-6.353E-14	1.571E+00	-3.714E+02	-4.061E+03	1.251E+00
266	2	17927.41	167.95	44.85	1	-7.031E-14	-9.115E-15	3.747E-30	-8.094E+03	-1.189E+03	1.369E+02	-9.115E-15	-7.031E-14	1.571E+00	-1.186E+03	-8.097E+03	1.551E+00
266	3	17900.24	178.45	44.85	1	6.572E-14	-7.827E-14	-1.763E-29	-3.771E+03	-2.780E+02	2.492E+02	6.572E-14	-7.827E-14	0.000E+00	-2.603E+02	-3.789E+03	1.500E+00
266	4	17873.08	167.95	44.85	1	5.619E-15	5.270E-14	-2.883E-30	6.268E+02	-1.793E+02	3.916E+02	5.270E-14	5.619E-15	1.571E+00	7.857E+02	-3.383E+02	3.855E-01
267	1	17981.74	157.45	44.85	1	6.695E-15	-1.188E-14	5.679E-14	-3.689E+03	-7.304E+02	-1.126E+03	5.495E-14	-6.013E-14	0.000E+00	-3.508E+02	-4.068E+03	1.896E+00
267	2	18008.91	167.95	44.85	1	-1.044E-13	2.270E-14	7.784E-30	6.479E+02	-1.697E+02	-4.099E+02	2.270E-14	-1.044E-13	1.571E+00	8.180E+02	-3.398E+02	-3.933E-01
267	3	17981.74	178.45	44.85	1	6.608E-14	-1.027E-13	-2.067E-29	-3.760E+03	-2.727E+02	-2.710E+02	6.608E-14	-1.027E-13	0.000E+00	-2.517E+02	-3.781E+03	1.648E+00
267	4	17954.58	167.95	44.85	1	-6.243E-15	4.525E-14	-3.153E-30	-8.097E+03	-1.185E+03	1.350E+02	4.525E-14	-6.243E-15	1.571E+00	-1.183E+03	-8.099E+03	1.551E+00
268	1	18036.74	157.45	44.85	1	4.108E-14	2.043E-13	6.227E-14	2.847E+03	2.435E+03	-1.466E+03	2.254E-13	2.004E-14	1.571E+00	4.121E+03	1.161E+03	-7.155E-01
268	2	18046.24	167.95	44.85	1	-2.656E-13	4.040E-13	4.100E-29	3.310E+02	1.724E+03	-1.192E+03	4.040E-13	-2.656E-13	1.571E+00	2.408E+03	-3.527E+02	2.092E+00
268	3	18036.74	178.45	44.85	1	2.485E-13	-1.040E-13	-4.317E-29	1.953E+03	4.858E+02	-1.101E+03	2.485E-13	-1.040E-13	0.000E+00	2.543E+03	-1.039E+02	-4.916E-01
268	4	18027.24	167.95	44.85	1	6.853E-15	2.379E-13	-1.415E-29	3.893E+03	1.636E+03	-8.312E+02	2.379E-13	6.853E-15	1.571E+00	4.166E+03	1.363E+03	-3.174E-01
269	1	20398.74	-167.95	47.40	1	-9.302E-01	9.921E-03	-4.942E-01	1.810E+03	4.012E+02	1.170E+03	2.219E-01	-1.142E+00	1.976E+00	2.472E+03	-2.602E+02	5.144E-01
269	2	20408.24	-178.45	47.40	1	-2.616E-02	-7.928E-01	-3.710E-01	4.245E+02	1.751E+03	1.061E+03	1.240E-01	-9.429E-01	-3.846E-01	2.340E+03	-1.636E+02	1.065E+00
269	3	20417.74	-167.95	47.40	1	5.984E-01	-4.418E-01	-7.471E-01	1.381E+03	3.552E+03	7.569E+02	9.886E-01	-8.320E-01	-4.813E-01	3.790E+03	1.143E+03	1.266E+00
269	4	20408.24	-157.45	47.40	1	-3.056E-01	3.609E-01	-8.703E-01	2.353E+03	2.745E+03	1.612E+03	9.595E-01	-9.043E-01	2.173E+00	4.173E+03	9.254E+02	8.458E-01
270	1	20436.07	-167.95	47.40	1	7.296E-01	4.327E-01	5.455E-01	-3.568E+02	3.899E+02	3.076E+02	1.146E+00	1.584E-02	6.526E-01	5.003E+02	-4.673E+02	1.226E+00

270	2	20463.24	-178.45	47.40	1	-9.382E-03	5.886E-01	7.175E-01	-2.377E+02	-3.768E+03	1.295E+02	1.067E+00	-4.876E-01	9.828E-01	-2.329E+02	-3.772E+03	3.663E-02
270	3	20490.41	-167.95	47.40	1	-6.155E-01	4.321E-01	8.892E-01	-9.426E+02	-7.878E+03	9.452E+01	9.403E-01	-1.124E+00	1.052E+00	-9.413E+02	-7.879E+03	1.362E-02
270	4	20463.24	-157.45	47.40	1	1.235E-01	2.761E-01	7.172E-01	-7.168E+02	-3.720E+03	8.492E+02	9.211E-01	-5.214E-01	8.384E-01	-4.933E+02	-3.944E+03	2.573E-01
271	1	20517.57	-167.95	47.40	1	-6.160E-01	4.282E-01	-8.889E-01	-9.448E+02	-7.877E+03	7.658E+01	9.370E-01	-1.125E+00	2.091E+00	-9.440E+02	-7.878E+03	1.105E-02
271	2	20544.74	-178.45	47.40	1	-3.002E-03	5.797E-01	-7.227E-01	-2.430E+02	-3.776E+03	-1.128E+02	1.068E+00	-4.909E-01	2.165E+00	-2.394E+02	-3.779E+03	-3.189E-02
271	3	20571.91	-167.95	47.40	1	7.386E-01	4.288E-01	-5.562E-01	-3.688E+02	3.762E+02	-2.959E+02	1.161E+00	6.320E-03	-6.496E-01	4.794E+02	-4.721E+02	1.906E+00
271	4	20544.74	-157.45	47.40	1	1.256E-01	2.773E-01	-7.225E-01	-7.234E+02	-3.725E+03	-8.291E+02	9.279E-01	-5.250E-01	2.304E+00	-5.096E+02	-3.939E+03	-2.524E-01
272	1	20590.24	-167.95	47.40	1	6.064E-01	-4.524E-01	7.647E-01	1.367E+03	3.532E+03	-7.475E+02	1.007E+00	-8.531E-01	4.826E-01	3.765E+03	1.134E+03	1.873E+00
272	2	20599.74	-178.45	47.40	1	-2.985E-02	-8.112E-01	3.812E-01	4.219E+02	1.736E+03	-1.057E+03	1.254E-01	-9.664E-01	3.866E-01	2.324E+03	-1.657E+02	2.078E+00
272	3	20609.24	-167.95	47.40	1	-9.514E-01	7.900E-03	5.066E-01	1.810E+03	4.033E+02	-1.166E+03	2.259E-01	-1.169E+00	1.164E+00	2.469E+03	-2.549E+02	-5.139E-01
272	4	20599.74	-157.45	47.40	1	-3.152E-01	3.666E-01	8.900E-01	2.344E+03	2.739E+03	-1.615E+03	9.788E-01	-9.274E-01	9.683E-01	4.168E+03	9.141E+02	2.295E+00
273	1	20408.24	-146.95	47.40	1	2.364E-02	-2.554E+00	7.821E-01	2.227E+03	1.594E+03	-1.022E+03	2.424E-01	-2.773E+00	2.727E-01	2.980E+03	8.406E+02	-6.353E-01
273	2	20417.74	-136.45	47.40	1	2.800E-01	-3.518E+00	4.580E-01	3.998E+03	-4.170E+03	-1.045E+03	3.345E-01	-3.573E+00	1.183E-01	4.129E+03	-4.302E+03	-1.252E-01
273	3	20408.24	-125.95	47.40	1	-3.779E-02	-2.539E+00	1.475E-01	1.971E+03	-1.140E+04	-2.176E+02	-2.913E-02	-2.548E+00	5.868E-02	1.974E+03	-1.140E+04	-1.627E-02
273	4	20398.74	-136.45	47.40	1	-2.942E-01	-1.575E+00	4.715E-01	5.062E+02	-5.869E+03	-1.613E+03	-1.393E-01	-1.730E+00	3.173E-01	8.911E+02	-6.254E+03	-2.342E-01
274	1	20463.24	-146.95	47.40	1	-3.067E-03	-1.738E+00	-6.681E-01	-3.998E+03	-2.174E+03	-1.215E+03	2.244E-01	-1.965E+00	-3.282E-01	-1.567E+03	-4.604E+03	2.034E+00
274	2	20490.41	-136.45	47.40	1	-3.121E-02	1.141E-01	-7.004E-01	-7.605E+03	-6.865E+03	-6.229E+02	7.456E-01	-6.627E-01	2.305E+00	-6.510E+03	-7.959E+03	2.088E+00
274	3	20463.24	-125.95	47.40	1	-6.107E-02	-1.713E+00	-6.688E-01	-4.223E+03	-8.669E+03	-1.913E+03	1.757E-01	-1.950E+00	-3.403E-01	-3.514E+03	-9.379E+03	-3.553E-01
274	4	20436.07	-136.45	47.40	1	-3.293E-02	-3.565E+00	-6.366E-01	-6.173E+02	-5.987E+03	-1.982E+03	7.829E-02	-3.677E+00	-1.730E-01	3.474E+01	-6.639E+03	-3.179E-01
275	1	20544.74	-146.95	47.40	1	-8.131E-03	-1.777E+00	6.738E-01	-3.998E+03	-2.152E+03	1.197E+03	2.192E-01	-2.005E+00	3.255E-01	-1.564E+03	-4.586E+03	1.114E+00
275	2	20571.91	-136.45	47.40	1	-3.613E-02	-3.645E+00	6.443E-01	-6.124E+02	-5.939E+03	1.974E+03	7.543E-02	-3.757E+00	1.715E-01	3.944E+01	-6.591E+03	3.189E-01
275	3	20544.74	-125.95	47.40	1	-6.237E-02	-1.754E+00	6.744E-01	-4.221E+03	-8.648E+03	1.907E+03	1.736E-01	-1.990E+00	3.365E-01	-3.513E+03	-9.356E+03	3.555E-01
275	4	20517.57	-136.45	47.40	1	-3.438E-02	1.136E-01	7.039E-01	-7.607E+03	-6.864E+03	-6.101E+02	7.474E-01	-6.682E-01	8.378E-01	-6.521E+03	-7.950E+03	2.082E+00
276	1	20599.74	-146.95	47.40	1	2.145E-02	-2.616E+00	-8.036E-01	2.229E+03	1.635E+03	1.024E+03	2.470E-01	-2.842E+00	-2.736E-01	2.999E+03	8.653E+02	6.441E-01
276	2	20609.24	-136.45	47.40	1	-3.005E-01	-1.621E+00	-4.874E-01	5.017E+02	-5.834E+03	1.607E+03	-1.400E-01	-1.781E+00	-3.180E-01	8.862E+02	-6.219E+03	2.348E-01
276	3	20599.74	-125.95	47.40	1	-3.835E-02	-2.602E+00	-1.581E-01	1.978E+03	-1.136E+04	2.130E+02	-2.864E-02	-2.612E+00	-6.137E-02	1.982E+03	-1.136E+04	1.596E-02
276	4	20590.24	-136.45	47.40	1	2.836E-01	-3.597E+00	-4.743E-01	4.007E+03	-4.122E+03	1.037E+03	3.407E-01	-3.654E+00	-1.199E-01	4.137E+03	-4.252E+03	1.249E-01
277	1	20398.74	-60.35	47.40	1	-1.550E+00	4.938E-02	-3.758E-03	-3.816E+04	-4.858E+02	-2.779E+03	4.939E-02	-1.550E+00	1.573E+00	-2.818E+02	-3.836E+04	1.644E+00
277	2	20408.24	-100.58	47.40	1	-1.521E+00	1.150E-01	3.856E-02	-2.462E+04	-3.647E+03	9.530E+01	1.159E-01	-1.522E+00	1.547E+00	-3.647E+03	-2.462E+04	1.566E+00
277	3	20417.74	-60.35	47.40	1	-1.504E+00	2.869E-02	-6.776E-03	-3.809E+04	-1.335E+03	8.231E+02	2.872E-02	-1.504E+00	1.575E+00	-1.317E+03	-3.811E+04	1.548E+00
277	4	20408.24	-20.12	47.40	1	-1.534E+00	-3.690E-02	-4.909E-02	-5.173E+04	7.670E+02	-4.971E+02	-3.530E-02	-1.535E+00	1.604E+00	7.717E+02	-5.174E+04	1.580E+00
278	1	20436.07	-60.35	47.40	1	-1.504E+00	2.999E-02	1.629E-01	-3.904E+04	-3.732E+03	1.324E+03	4.709E-02	-1.521E+00	1.466E+00	-3.683E+03	-3.909E+04	1.533E+00
278	2	20463.24	-100.58	47.40	1	-1.237E+00	1.042E-02	3.195E-01	-1.890E+04	-1.523E+04	2.040E+03	8.750E-02	-1.314E+00	1.334E+00	-1.433E+04	-1.981E+04	1.152E+00
278	3	20490.41	-60.35	47.40	1	-9.443E-01	-1.701E-01	1.797E-01	-3.736E+04	-2.017E+04	1.332E+03	-1.305E-01	-9.840E-01	1.354E+00	-2.007E+04	-3.747E+04	1.494E+00
278	4	20463.24	-20.12	47.40	1	-1.212E+00	-1.506E-01	2.307E-02	-5.504E+04	-1.616E+04	1.775E+03	-1.501E-01	-1.212E+00	1.549E+00	-1.607E+04	-5.512E+04	1.525E+00
279	1	20517.57	-60.35	47.40	1	-9.451E-01	-1.755E-01	-1.810E-01	-3.736E+04	-2.018E+04	1.337E+03	-1.351E-01	-9.856E-01	1.791E+00	-2.007E+04	-3.747E+04	1.494E+00
279	2	20544.74	-100.58	47.40	1	-1.256E+00	1.235E-02	-3.306E-01	-1.890E+04	-1.523E+04	-2.028E+03	9.333E-02	-1.337E+00	1.811E+00	-1.433E+04	-1.980E+04	1.989E+00
279	3	20571.91	-60.35	47.40	1	-1.542E+00	3.786E-02	-1.641E-01	-3.903E+04	-3.726E+03	-1.328E+03	5.472E-02	-1.559E+00	1.673E+00	-3.676E+03	-3.908E+04	1.608E+00
279	4	20544.74	-20.12	47.40	1	-1.231E+00	-1.500E-01	-1.453E-02	-5.504E+04	-1.615E+04	-1.776E+03	-1.498E-01	-1.231E+00	1.584E+00	-1.607E+04	-5.512E+04	1.616E+00
280	1	20590.24	-60.35	47.40	1	-1.543E+00	2.822E-02	1.045E-02	-3.808E+04	-1.336E+03	-8.190E+02	2.829E-02	-1.544E+00	1.564E+00	-1.317E+03	-3.810E+04	1.593E+00
280	2	20599.74	-100.58	47.40	1	-1.564E+00	1.173E-01	-4.261E-02	-2.460E+04	-3.647E+03	-9.453E+01	1.184E-01	-1.565E+00	1.596E+00	-3.646E+03	-2.460E+04	1.575E+00
280	3	20609.24	-60.35	47.40	1	-1.598E+00	5.256E-02	7.396E-03	-3.815E+04	-4.823E+02	2.785E+03	5.259E-02	-1.598E+00	1.566E+00	-2.775E+02	-3.835E+04	1.497E+00
280	4	20599.74	-20.12	47.40	1	-1.577E+00	-3.653E-02	6.046E-02	-5.173E+04	7.703E+02	-4.987E+02	-3.416E-02	-1.579E+00	1.532E+00	7.750E+02	-5.173E+04	1.580E+00



281	1	20398.74	60.35	47.40	1	-1.550E+00	4.938E-02	3.758E-03	-3.816E+04	-4.858E+02	2.779E+03	4.939E-02	-1.550E+00	1.568E+00	-2.818E+02	-3.836E+04	1.498E+00
281	2	20408.24	20.12	47.40	1	-1.534E+00	-3.690E-02	4.909E-02	-5.173E+04	7.670E+02	-4.971E+02	-3.530E-02	-1.535E+00	1.538E+00	7.717E+02	-5.174E+04	1.580E+00
281	3	20417.74	60.35	47.40	1	-1.504E+00	2.869E-02	6.776E-03	-3.809E+04	-1.335E+03	-8.231E+02	2.872E-02	-1.504E+00	1.566E+00	-1.317E+03	-3.811E+04	1.593E+00
281	4	20408.24	100.58	47.40	1	-1.521E+00	1.150E-01	-3.856E-02	-2.462E+04	-3.647E+03	-9.530E+01	1.159E-01	-1.522E+00	1.594E+00	-3.647E+03	-2.462E+04	1.575E+00
282	1	20436.07	60.35	47.40	1	-1.504E+00	2.999E-02	-1.629E-01	-3.904E+04	-3.732E+03	-1.324E+03	4.709E-02	-1.521E+00	1.675E+00	-3.683E+03	-3.909E+04	1.608E+00
282	2	20463.24	20.12	47.40	1	-1.212E+00	-1.506E-01	-2.307E-02	-5.504E+04	-1.616E+04	1.775E+03	-1.501E-01	-1.212E+00	1.593E+00	-1.607E+04	-5.512E+04	1.525E+00
282	3	20490.41	60.35	47.40	1	-9.443E-01	-1.701E-01	-1.797E-01	-3.736E+04	-2.017E+04	-1.332E+03	-1.305E-01	-9.840E-01	1.788E+00	-2.007E+04	-3.747E+04	1.648E+00
282	4	20463.24	100.58	47.40	1	-1.237E+00	1.042E-02	-3.195E-01	-1.890E+04	-1.523E+04	-2.040E+03	8.750E-02	-1.314E+00	1.808E+00	-1.433E+04	-1.981E+04	1.990E+00
283	1	20517.57	60.35	47.40	1	-9.451E-01	-1.755E-01	1.810E-01	-3.736E+04	-2.018E+04	-1.337E+03	-1.351E-01	-9.856E-01	1.351E+00	-2.007E+04	-3.747E+04	1.648E+00
283	2	20544.74	20.12	47.40	1	-1.231E+00	-1.500E-01	1.453E-02	-5.504E+04	-1.615E+04	-1.776E+03	-1.498E-01	-1.231E+00	1.557E+00	-1.607E+04	-5.512E+04	1.616E+00
283	3	20571.91	60.35	47.40	1	-1.542E+00	3.786E-02	1.641E-01	-3.903E+04	-3.726E+03	1.328E+03	5.472E-02	-1.559E+00	1.468E+00	-3.676E+03	-3.908E+04	1.533E+00
283	4	20544.74	100.58	47.40	1	-1.256E+00	1.235E-02	3.306E-01	-1.890E+04	-1.523E+04	2.028E+03	9.333E-02	-1.337E+00	1.331E+00	-1.433E+04	-1.980E+04	1.152E+00
284	1	20590.24	60.35	47.40	1	-1.543E+00	2.822E-02	-1.045E-02	-3.808E+04	-1.336E+03	8.190E+02	2.829E-02	-1.544E+00	1.577E+00	-1.317E+03	-3.810E+04	1.549E+00
284	2	20599.74	20.12	47.40	1	-1.577E+00	-3.653E-02	-6.046E-02	-5.173E+04	7.703E+02	-4.987E+02	-3.416E-02	-1.579E+00	1.610E+00	7.750E+02	-5.173E+04	1.580E+00
284	3	20609.24	60.35	47.40	1	-1.598E+00	5.256E-02	-7.396E-03	-3.815E+04	-4.823E+02	-2.785E+03	5.259E-02	-1.598E+00	1.575E+00	-2.775E+02	-3.835E+04	1.644E+00
284	4	20599.74	100.58	47.40	1	-1.564E+00	1.173E-01	4.261E-02	-2.460E+04	-3.647E+03	9.453E+01	1.184E-01	-1.565E+00	1.545E+00	-3.646E+03	-2.460E+04	1.566E+00
285	1	20408.24	125.95	47.40	1	-3.779E-02	-2.539E+00	-1.475E-01	1.971E+03	-1.140E+04	2.176E+02	-2.913E-02	-2.548E+00	-5.868E-02	1.974E+03	-1.140E+04	1.627E-02
285	2	20417.74	136.45	47.40	1	2.800E-01	-3.518E+00	-4.580E-01	3.998E+03	-4.170E+03	1.045E+03	3.345E-01	-3.573E+00	-1.183E-01	4.129E+03	-4.302E+03	1.252E-01
285	3	20408.24	146.95	47.40	1	2.364E-02	-2.554E+00	-7.821E-01	2.227E+03	1.594E+03	1.022E+03	2.424E-01	-2.773E+00	-2.727E-01	2.980E+03	8.406E+02	6.353E-01
285	4	20398.74	136.45	47.40	1	-2.942E-01	-1.575E+00	-4.715E-01	5.062E+02	-5.869E+03	1.613E+03	-1.393E-01	-1.730E+00	-3.173E-01	8.911E+02	-6.254E+03	2.342E-01
286	1	20463.24	125.95	47.40	1	-6.107E-02	-1.713E+00	6.688E-01	-4.223E+03	-8.669E+03	1.913E+03	1.757E-01	-1.950E+00	3.403E-01	-3.514E+03	-9.379E+03	3.553E-01
286	2	20490.41	136.45	47.40	1	-3.121E-02	1.141E-01	7.004E-01	-7.605E+03	-6.865E+03	6.229E+02	7.456E-01	-6.627E-01	8.371E-01	-6.510E+03	-7.959E+03	1.053E+00
286	3	20463.24	146.95	47.40	1	-3.067E-03	-1.738E+00	6.681E-01	-3.998E+03	-2.174E+03	1.215E+03	2.244E-01	-1.965E+00	3.282E-01	-1.567E+03	-4.604E+03	1.107E+00
286	4	20436.07	136.45	47.40	1	-3.293E-02	-3.565E+00	6.366E-01	-6.173E+02	-5.987E+03	1.982E+03	7.829E-02	-3.677E+00	1.730E-01	3.474E+01	-6.639E+03	3.179E-01
287	1	20544.74	125.95	47.40	1	-6.237E-02	-1.754E+00	-6.744E-01	-4.221E+03	-8.648E+03	-1.907E+03	1.736E-01	-1.990E+00	-3.365E-01	-3.513E+03	-9.356E+03	-3.555E-01
287	2	20571.91	136.45	47.40	1	-3.613E-02	-3.645E+00	-6.443E-01	-6.124E+02	-5.939E+03	-1.974E+03	7.543E-02	-3.757E+00	-1.715E-01	3.944E+01	-6.591E+03	-3.189E-01
287	3	20544.74	146.95	47.40	1	-8.131E-03	-1.777E+00	-6.738E-01	-3.998E+03	-2.152E+03	-1.197E+03	2.192E-01	-2.005E+00	-3.255E-01	-1.564E+03	-4.586E+03	2.028E+00
287	4	20517.57	136.45	47.40	1	-3.438E-02	1.136E-01	-7.039E-01	-7.607E+03	-6.864E+03	6.101E+02	7.474E-01	-6.682E-01	2.304E+00	-6.521E+03	-7.950E+03	1.059E+00
288	1	20599.74	125.95	47.40	1	-3.835E-02	-2.602E+00	1.581E-01	1.978E+03	-1.136E+04	-2.130E+02	-2.864E-02	-2.612E+00	6.137E-02	1.982E+03	-1.136E+04	-1.596E-02
288	2	20609.24	136.45	47.40	1	-3.005E-01	-1.621E+00	4.874E-01	5.017E+02	-5.834E+03	-1.607E+03	-1.400E-01	-1.781E+00	3.180E-01	8.862E+02	-6.219E+03	-2.348E-01
288	3	20599.74	146.95	47.40	1	2.145E-02	-2.616E+00	8.036E-01	2.229E+03	1.635E+03	-1.024E+03	2.470E-01	-2.842E+00	2.736E-01	2.999E+03	8.653E+02	-6.441E-01
288	4	20590.24	136.45	47.40	1	2.836E-01	-3.597E+00	4.743E-01	4.007E+03	-4.122E+03	-1.037E+03	3.407E-01	-3.654E+00	1.199E-01	4.137E+03	-4.252E+03	-1.249E-01
289	1	20408.24	157.45	47.40	1	3.609E-01	-3.056E-01	-8.703E-01	2.745E+03	2.353E+03	1.612E+03	9.595E-01	-9.043E-01	-6.025E-01	4.173E+03	9.254E+02	7.250E-01
289	2	20417.74	167.95	47.40	1	-4.418E-01	5.984E-01	-7.471E-01	3.552E+03	1.381E+03	7.569E+02	9.886E-01	-8.320E-01	2.052E+00	3.790E+03	1.143E+03	3.044E-01
289	3	20408.24	178.45	47.40	1	-7.928E-01	-2.616E-02	-3.710E-01	1.751E+03	4.245E+02	1.061E+03	1.240E-01	-9.429E-01	1.955E+00	2.340E+03	-1.636E+02	5.061E-01
289	4	20398.74	167.95	47.40	1	9.921E-03	-9.302E-01	-4.942E-01	4.012E+02	1.810E+03	1.170E+03	2.219E-01	-1.142E+00	-4.052E-01	2.472E+03	-2.602E+02	1.056E+00
290	1	20463.24	157.45	47.40	1	2.761E-01	1.235E-01	7.172E-01	-3.720E+03	-7.168E+02	8.492E+02	9.211E-01	-5.214E-01	7.324E-01	-4.933E+02	-3.944E+03	1.313E+00
290	2	20490.41	167.95	47.40	1	4.321E-01	-6.155E-01	8.892E-01	-7.878E+03	-9.426E+02	9.452E+01	9.403E-01	-1.124E+00	5.192E-01	-9.413E+02	-7.879E+03	1.557E+00
290	3	20463.24	178.45	47.40	1	5.886E-01	-9.382E-03	7.175E-01	-3.768E+03	-2.377E+02	1.295E+02	1.067E+00	-4.876E-01	5.880E-01	-2.329E+02	-3.772E+03	1.534E+00
290	4	20436.07	167.95	47.40	1	4.327E-01	7.296E-01	5.455E-01	3.899E+02	-3.568E+02	3.076E+02	1.146E+00	1.584E-02	9.182E-01	5.003E+02	-4.673E+02	3.446E-01
291	1	20544.74	157.45	47.40	1	2.773E-01	1.256E-01	-7.225E-01	-3.725E+03	-7.234E+02	-8.291E+02	9.279E-01	-5.250E-01	-7.331E-01	-5.096E+02	-3.939E+03	1.823E+00
291	2	20571.91	167.95	47.40	1	4.288E-01	7.386E-01	-5.562E-01	3.762E+02	-3.688E+02	-2.959E+02	1.161E+00	6.320E-03	2.220E+00	4.794E+02	-4.721E+02	-3.357E-01
291	3	20544.74	178.45	47.40	1	5.797E-01	-3.002E-03	-7.227E-01	-3.776E+03	-2.430E+02	-1.128E+02	1.068E+00	-4.909E-01	-5.938E-01	-2.394E+02	-3.779E+03	1.603E+00

291	4	20517.57	167.95	47.40	1	4.282E-01	-6.160E-01	-8.889E-01	-7.877E+03	-9.448E+02	7.658E+01	9.370E-01	-1.125E+00	-5.199E-01	-9.440E+02	-7.878E+03	1.560E+00
292	1	20599.74	157.45	47.40	1	3.666E-01	-3.152E-01	8.900E-01	2.739E+03	2.344E+03	-1.615E+03	9.788E-01	-9.274E-01	6.025E-01	4.168E+03	9.141E+02	-7.245E-01
292	2	20609.24	167.95	47.40	1	7.900E-03	-9.514E-01	5.066E-01	4.033E+02	1.810E+03	-1.166E+03	2.259E-01	-1.169E+00	4.063E-01	2.469E+03	-2.549E+02	2.085E+00
292	3	20599.74	178.45	47.40	1	-8.112E-01	-2.985E-02	3.812E-01	1.736E+03	4.219E+02	-1.057E+03	1.254E-01	-9.664E-01	1.184E+00	2.324E+03	-1.657E+02	-5.073E-01
292	4	20590.24	167.95	47.40	1	-4.524E-01	6.064E-01	7.647E-01	3.532E+03	1.367E+03	-7.475E+02	1.007E+00	-8.531E-01	1.088E+00	3.765E+03	1.134E+03	-3.022E-01
293	1	22961.74	-167.95	49.95	1	4.601E-15	4.449E-14	3.067E-16	1.724E+03	3.310E+02	1.192E+03	4.450E-14	4.599E-15	1.571E+00	2.408E+03	-3.527E+02	5.209E-01
293	2	22971.24	-178.45	49.95	1	-1.413E-14	1.330E-14	1.679E-30	4.858E+02	1.953E+03	1.101E+03	1.330E-14	-1.413E-14	1.571E+00	2.543E+03	-1.039E+02	1.079E+00
293	3	22980.74	-167.95	49.95	1	-7.426E-15	-3.616E-14	-3.519E-30	1.636E+03	3.893E+03	8.312E+02	-7.426E-15	-3.616E-14	0.000E+00	4.166E+03	1.363E+03	1.253E+00
293	4	22971.24	-157.45	49.95	1	-9.492E-15	1.501E-14	-1.500E-30	2.435E+03	2.847E+03	1.466E+03	1.501E-14	-9.492E-15	1.571E+00	4.121E+03	1.161E+03	8.552E-01
294	1	22999.07	-167.95	49.95	1	1.258E-16	7.302E-15	-2.305E-15	-1.697E+02	6.479E+02	4.099E+02	7.979E-15	-5.508E-16	1.571E+00	8.180E+02	-3.398E+02	1.177E+00
294	2	23026.24	-178.45	49.95	1	-1.878E-14	1.309E-14	1.951E-30	-2.727E+02	-3.760E+03	2.710E+02	1.309E-14	-1.878E-14	1.571E+00	-2.517E+02	-3.781E+03	7.710E-02
294	3	23053.41	-167.95	49.95	1	-1.632E-15	-1.780E-14	-1.980E-30	-1.185E+03	-8.097E+03	-1.350E+02	-1.632E-15	-1.780E-14	0.000E+00	-1.183E+03	-8.099E+03	-1.952E-02
294	4	23026.24	-157.45	49.95	1	-1.463E-14	9.168E-15	-1.457E-30	-7.304E+02	-3.689E+03	1.126E+03	9.168E-15	-1.463E-14	1.571E+00	-3.508E+02	-4.068E+03	3.252E-01
295	1	23080.57	-167.95	49.95	1	2.433E-15	1.155E-14	2.568E-15	-1.189E+03	-8.094E+03	-1.369E+02	1.223E-14	1.759E-15	1.571E+00	-1.186E+03	-8.097E+03	-1.982E-02
295	2	23107.74	-178.45	49.95	1	-1.641E-14	1.594E-14	1.981E-30	-2.780E+02	-3.771E+03	-2.492E+02	1.594E-14	-1.641E-14	1.571E+00	-2.603E+02	-3.789E+03	-7.088E-02
295	3	23134.91	-167.95	49.95	1	1.609E-15	-1.508E-14	-2.043E-30	-1.793E+02	6.268E+02	-3.916E+02	1.609E-15	-1.508E-14	0.000E+00	7.857E+02	-3.383E+02	1.956E+00
295	4	23107.74	-157.45	49.95	1	-1.282E-14	1.486E-14	-1.695E-30	-7.358E+02	-3.696E+03	-1.101E+03	1.486E-14	-1.282E-14	1.571E+00	-3.714E+02	-4.061E+03	-3.197E-01
296	1	23153.24	-167.95	49.95	1	9.884E-15	3.594E-14	3.127E-16	1.622E+03	3.864E+03	-8.144E+02	3.595E-14	9.880E-15	1.571E+00	4.128E+03	1.357E+03	1.885E+00
296	2	23162.74	-178.45	49.95	1	-1.162E-14	1.587E-14	1.683E-30	4.824E+02	1.931E+03	-1.090E+03	1.587E-14	-1.162E-14	1.571E+00	2.516E+03	-1.021E+02	2.063E+00
296	3	23172.24	-167.95	49.95	1	-6.332E-15	-3.622E-14	-3.660E-30	1.706E+03	3.265E+02	-1.179E+03	-6.332E-15	-3.622E-14	0.000E+00	2.382E+03	-3.493E+02	-5.206E-01
296	4	23162.74	-157.45	49.95	1	-9.970E-15	1.322E-14	-1.420E-30	2.410E+03	2.830E+03	-1.450E+03	1.322E-14	-9.970E-15	1.571E+00	4.085E+03	1.155E+03	2.284E+00
297	1	22971.24	-146.95	49.95	1	8.453E-15	7.785E-17	1.761E-14	2.137E+03	5.895E+02	-8.812E+02	2.236E-14	-1.383E-14	0.000E+00	2.536E+03	1.905E+02	-4.252E-01
297	2	22980.74	-136.45	49.95	1	-2.760E-14	-7.438E-15	1.234E-30	3.788E+03	-5.403E+03	-1.118E+03	-7.438E-15	-2.760E-14	1.571E+00	3.922E+03	-5.537E+03	-1.193E-01
297	3	22971.24	-125.95	49.95	1	2.023E-14	-1.253E-14	-4.012E-30	1.822E+03	-1.241E+04	-2.677E+02	2.023E-14	-1.253E-14	0.000E+00	1.827E+03	-1.241E+04	-1.881E-02
297	4	22961.74	-136.45	49.95	1	6.550E-15	4.493E-14	-2.350E-30	6.281E+02	-6.765E+03	-1.656E+03	4.493E-14	6.550E-15	1.571E+00	9.820E+02	-7.119E+03	-2.106E-01
298	1	23026.24	-146.95	49.95	1	-5.017E-15	-1.346E-15	2.185E-14	-4.075E+03	-2.892E+03	-1.459E+03	1.875E-14	-2.511E-14	1.571E+00	-1.909E+03	-5.058E+03	2.164E+00
298	2	23053.41	-136.45	49.95	1	-1.924E-14	-8.150E-17	1.173E-30	-7.585E+03	-7.268E+03	6.269E+02	-8.150E-17	-1.924E-14	1.571E+00	-6.780E+03	-8.073E+03	9.089E-01
298	3	23026.24	-125.95	49.95	1	9.778E-15	-1.351E-14	-2.852E-30	-4.281E+03	-9.350E+03	-1.950E+03	9.778E-15	-1.351E-14	0.000E+00	-3.618E+03	-1.001E+04	-3.279E-01
298	4	22999.07	-136.45	49.95	1	-1.519E-15	1.215E-14	-8.368E-31	-7.734E+02	-7.218E+03	-2.046E+03	1.215E-14	-1.519E-15	1.571E+00	-1.789E+02	-7.813E+03	-2.828E-01
299	1	23107.74	-146.95	49.95	1	3.059E-15	2.300E-15	2.006E-14	-4.084E+03	-2.902E+03	1.432E+03	2.274E-14	-1.738E-14	0.000E+00	-1.944E+03	-5.042E+03	9.811E-01
299	2	23134.91	-136.45	49.95	1	-1.201E-14	6.647E-15	1.143E-30	-7.860E+02	-7.219E+03	2.020E+03	6.647E-15	-1.201E-14	1.571E+00	-2.044E+02	-7.800E+03	2.804E-01
299	3	23107.74	-125.95	49.95	1	1.232E-14	-4.323E-15	-2.038E-30	-4.286E+03	-9.341E+03	1.922E+03	1.232E-14	-4.323E-15	0.000E+00	-3.638E+03	-9.989E+03	3.250E-01
299	4	23080.57	-136.45	49.95	1	-3.990E-16	1.749E-14	-1.096E-30	-7.585E+03	-7.270E+03	6.352E+02	1.749E-14	-3.990E-16	1.571E+00	-6.773E+03	-8.082E+03	9.067E-01
300	1	23162.74	-146.95	49.95	1	6.809E-17	2.085E-15	1.575E-14	2.122E+03	5.701E+02	8.703E+02	1.686E-14	-1.471E-14	1.571E+00	2.512E+03	1.801E+02	4.213E-01
300	2	23172.24	-136.45	49.95	1	-4.464E-14	-2.960E-15	2.552E-30	6.291E+02	-6.756E+03	1.638E+03	-2.960E-15	-4.464E-14	1.571E+00	9.760E+02	-7.103E+03	2.087E-01
300	3	23162.74	-125.95	49.95	1	1.657E-14	-1.149E-14	-3.436E-30	1.814E+03	-1.238E+04	2.581E+02	1.657E-14	-1.149E-14	0.000E+00	1.819E+03	-1.239E+04	1.818E-02
300	4	23153.24	-136.45	49.95	1	8.533E-15	4.494E-14	-2.229E-30	3.766E+03	-5.406E+03	1.099E+03	4.494E-14	8.533E-15	1.571E+00	3.896E+03	-5.535E+03	1.176E-01
301	1	22961.74	-60.35	49.95	1	-1.333E-14	3.500E-14	-5.372E-15	-3.896E+04	-5.120E+02	-2.743E+03	3.559E-14	-1.392E-14	1.571E+00	-3.174E+02	-3.916E+04	1.642E+00
301	2	22971.24	-100.58	49.95	1	-1.560E-14	9.148E-15	1.515E-30	-2.546E+04	-3.671E+03	1.364E+02	9.148E-15	-1.560E-14	1.571E+00	-3.670E+03	-2.546E+04	1.565E+00
301	3	22980.74	-60.35	49.95	1	-1.236E-14	-2.883E-14	-2.018E-30	-3.888E+04	-1.331E+03	8.458E+02	-1.236E-14	-2.883E-14	0.000E+00	-1.312E+03	-3.890E+04	1.548E+00
301	4	22971.24	-20.12	49.95	1	-1.700E-14	1.172E-14	-1.759E-30	-5.249E+04	7.486E+02	4.909E+02	1.172E-14	-1.700E-14	1.571E+00	7.531E+02	-5.249E+04	1.562E+00
302	1	22999.07	-60.35	49.95	1	-8.733E-15	2.758E-14	-9.674E-15	-3.983E+04	-3.757E+03	1.332E+03	3.000E-14	-1.115E-14	1.571E+00	-3.708E+03	-3.988E+04	1.534E+00
302	2	23026.24	-100.58	49.95	1	-1.209E-14	9.767E-15	1.338E-30	-1.968E+04	-1.520E+04	2.065E+03	9.767E-15	-1.209E-14	1.571E+00	-1.439E+04	-2.049E+04	1.199E+00

302	3	23053.41	-60.35	49.95	1	1.758E-14	-1.111E-14	-3.513E-30	-3.811E+04	-2.005E+04	-1.299E+03	1.758E-14	-1.111E-14	0.000E+00	-1.996E+04	-3.820E+04	1.642E+00
302	4	23026.24	-20.12	49.95	1	-1.134E-14	3.823E-14	-3.035E-30	-5.578E+04	-1.618E+04	1.778E+03	3.823E-14	-1.134E-14	1.571E+00	-1.610E+04	-5.586E+04	1.526E+00
303	1	23080.57	-60.35	49.95	1	1.771E-15	6.602E-15	-9.663E-15	-3.809E+04	-1.997E+04	-1.283E+03	1.415E-14	-5.774E-15	1.571E+00	-1.988E+04	-3.818E+04	1.641E+00
303	2	23107.74	-100.58	49.95	1	-3.109E-15	1.407E-14	1.052E-30	-1.969E+04	-1.521E+04	-1.995E+03	1.407E-14	-3.109E-15	1.571E+00	-1.445E+04	-2.045E+04	1.934E+00
303	3	23134.91	-60.35	49.95	1	1.101E-14	-1.244E-14	-2.871E-30	-3.976E+04	-3.721E+03	-1.300E+03	1.101E-14	-1.244E-14	0.000E+00	-3.674E+03	-3.981E+04	1.607E+00
303	4	23107.74	-20.12	49.95	1	-1.286E-14	1.130E-14	-1.479E-30	-5.569E+04	-1.603E+04	-1.789E+03	1.130E-14	-1.286E-14	1.571E+00	-1.595E+04	-5.577E+04	1.616E+00
304	1	23153.24	-60.35	49.95	1	1.189E-14	9.541E-15	-5.322E-15	-3.881E+04	-1.331E+03	-8.155E+02	1.617E-14	5.266E-15	0.000E+00	-1.313E+03	-3.883E+04	1.593E+00
304	2	23162.74	-100.58	49.95	1	1.393E-15	1.352E-14	7.424E-31	-2.542E+04	-3.673E+03	-1.129E+02	1.352E-14	1.393E-15	1.571E+00	-3.672E+03	-2.542E+04	1.576E+00
304	3	23172.24	-60.35	49.95	1	1.692E-14	-1.097E-14	-3.415E-30	-3.889E+04	-4.992E+02	2.760E+03	1.692E-14	-1.097E-14	0.000E+00	-3.017E+02	-3.909E+04	1.499E+00
304	4	23162.74	-20.12	49.95	1	-1.016E-14	1.915E-14	-1.795E-30	-5.238E+04	7.675E+02	4.963E+02	1.915E-14	-1.016E-14	1.571E+00	7.722E+02	-5.239E+04	1.561E+00
305	1	22961.74	60.35	49.95	1	-2.088E-14	-9.476E-15	5.561E-15	-3.896E+04	-5.120E+02	2.743E+03	-7.214E-15	-2.314E-14	1.571E+00	-3.174E+02	-3.916E+04	1.500E+00
305	2	22971.24	20.12	49.95	1	-1.961E-14	1.345E-14	2.025E-30	-5.249E+04	7.486E+02	4.909E+02	1.345E-14	-1.961E-14	1.571E+00	7.531E+02	-5.249E+04	1.562E+00
305	3	22980.74	60.35	49.95	1	1.928E-14	-1.248E-14	-3.890E-30	-3.888E+04	-1.331E+03	-8.458E+02	1.928E-14	-1.248E-14	0.000E+00	-1.312E+03	-3.890E+04	1.593E+00
305	4	22971.24	100.58	49.95	1	-1.550E-14	1.211E-15	-1.023E-30	-2.546E+04	-3.671E+03	-1.364E+02	1.211E-15	-1.550E-14	1.571E+00	-3.670E+03	-2.546E+04	1.577E+00
306	1	22999.07	60.35	49.95	1	-1.105E-14	1.292E-14	1.020E-14	-3.983E+04	-3.757E+03	-1.332E+03	1.667E-14	-1.481E-14	1.571E+00	-3.708E+03	-3.988E+04	1.608E+00
306	2	23026.24	20.12	49.95	1	-1.654E-14	3.923E-14	3.415E-30	-5.578E+04	-1.618E+04	1.778E+03	3.923E-14	-1.654E-14	1.571E+00	-1.610E+04	-5.586E+04	1.526E+00
306	3	23053.41	60.35	49.95	1	3.369E-14	-1.113E-14	-5.489E-30	-3.811E+04	-2.005E+04	1.299E+03	3.369E-14	-1.113E-14	0.000E+00	-1.996E+04	-3.820E+04	1.499E+00
306	4	23026.24	100.58	49.95	1	-1.130E-14	1.431E-14	-1.568E-30	-1.968E+04	-1.520E+04	-2.065E+03	1.431E-14	-1.130E-14	1.571E+00	-1.439E+04	-2.049E+04	1.943E+00
307	1	23080.57	60.35	49.95	1	-6.690E-15	-4.720E-15	1.641E-14	-3.809E+04	-1.997E+04	1.283E+03	1.073E-14	-2.214E-14	1.571E+00	-1.988E+04	-3.818E+04	1.500E+00
307	2	23107.74	20.12	49.95	1	-2.900E-14	2.248E-14	3.152E-30	-5.569E+04	-1.603E+04	-1.789E+03	2.248E-14	-2.900E-14	1.571E+00	-1.595E+04	-5.577E+04	1.616E+00
307	3	23134.91	60.35	49.95	1	3.001E-14	-1.110E-14	-5.033E-30	-3.976E+04	-3.721E+03	1.300E+03	3.001E-14	-1.110E-14	0.000E+00	-3.674E+03	-3.981E+04	1.535E+00
307	4	23107.74	100.58	49.95	1	-1.355E-14	2.583E-14	-2.411E-30	-1.969E+04	-1.521E+04	1.995E+03	2.583E-14	-1.355E-14	1.571E+00	-1.445E+04	-2.045E+04	1.207E+00
308	1	23153.24	60.35	49.95	1	5.853E-15	-1.113E-14	9.911E-15	-3.881E+04	-1.331E+03	8.155E+02	1.041E-14	-1.569E-14	0.000E+00	-1.313E+03	-3.883E+04	1.549E+00
308	2	23162.74	20.12	49.95	1	-1.651E-14	2.408E-14	2.485E-30	-5.238E+04	7.675E+02	4.963E+02	2.408E-14	-1.651E-14	1.571E+00	7.722E+02	-5.239E+04	1.561E+00
308	3	23172.24	60.35	49.95	1	2.816E-14	3.495E-15	-3.020E-30	-3.889E+04	-4.992E+02	-2.760E+03	2.816E-14	3.495E-15	0.000E+00	-3.017E+02	-3.909E+04	1.642E+00
308	4	23162.74	100.58	49.95	1	1.403E-15	1.955E-14	-1.111E-30	-2.542E+04	-3.673E+03	1.129E+02	1.955E-14	1.403E-15	1.571E+00	-3.672E+03	-2.542E+04	1.566E+00
309	1	22971.24	125.95	49.95	1	3.965E-15	-8.227E-16	-1.186E-14	1.822E+03	-1.241E+04	2.677E+02	1.367E-14	-1.053E-14	0.000E+00	1.827E+03	-1.241E+04	1.881E-02
309	2	22980.74	136.45	49.95	1	3.259E-15	3.653E-14	2.037E-30	3.788E+03	-5.403E+03	1.118E+03	3.653E-14	3.259E-15	1.571E+00	3.922E+03	-5.537E+03	1.193E-01
309	3	22971.24	146.95	49.95	1	1.696E-14	-1.085E-14	-3.406E-30	2.137E+03	5.895E+02	8.812E+02	1.696E-14	-1.085E-14	0.000E+00	2.536E+03	1.905E+02	4.252E-01
309	4	22961.74	136.45	49.95	1	-2.822E-14	-4.794E-15	-1.434E-30	6.281E+02	-6.765E+03	1.656E+03	-4.794E-15	-2.822E-14	1.571E+00	9.820E+02	-7.119E+03	2.106E-01
310	1	23026.24	125.95	49.95	1	9.266E-15	-2.118E-15	-1.721E-14	-4.281E+03	-9.350E+03	1.950E+03	2.170E-14	-1.455E-14	0.000E+00	-3.618E+03	-1.001E+04	3.279E-01
310	2	23053.41	136.45	49.95	1	-7.016E-15	2.806E-14	2.148E-30	-7.585E+03	-7.268E+03	-6.269E+02	2.806E-14	-7.016E-15	1.571E+00	-6.780E+03	-8.073E+03	2.233E+00
310	3	23026.24	146.95	49.95	1	1.987E-14	-1.242E-14	-3.955E-30	-4.075E+03	-2.892E+03	1.459E+03	1.987E-14	-1.242E-14	0.000E+00	-1.909E+03	-5.058E+03	9.781E-01
310	4	22999.07	136.45	49.95	1	-1.124E-14	3.310E-15	-8.907E-31	-7.734E+02	-7.218E+03	2.046E+03	3.310E-15	-1.124E-14	1.571E+00	-1.789E+02	-7.813E+03	2.828E-01
311	1	23107.74	125.95	49.95	1	1.309E-14	-4.870E-16	-2.963E-14	-4.286E+03	-9.341E+03	-1.922E+03	3.670E-14	-2.409E-14	0.000E+00	-3.638E+03	-9.989E+03	-3.250E-01
311	2	23134.91	136.45	49.95	1	-2.128E-14	5.690E-14	4.787E-30	-7.860E+02	-7.219E+03	-2.020E+03	5.690E-14	-2.128E-14	1.571E+00	-2.044E+02	-7.800E+03	-2.804E-01
311	3	23107.74	146.95	49.95	1	1.954E-14	-1.489E-14	-4.216E-30	-4.084E+03	-2.902E+03	-1.432E+03	1.954E-14	-1.489E-14	0.000E+00	-1.944E+03	-5.042E+03	2.160E+00
311	4	23080.57	136.45	49.95	1	-2.802E-14	8.991E-15	-2.266E-30	-7.585E+03	-7.270E+03	-6.352E+02	8.991E-15	-2.802E-14	1.571E+00	-6.773E+03	-8.082E+03	2.235E+00
312	1	23162.74	125.95	49.95	1	6.788E-15	6.144E-15	-3.549E-14	1.814E+03	-1.238E+04	-2.581E+02	4.195E-14	-2.902E-14	0.000E+00	1.819E+03	-1.239E+04	-1.818E-02
312	2	23172.24	136.45	49.95	1	-4.681E-14	9.987E-14	8.981E-30	6.291E+02	-6.756E+03	-1.638E+03	9.987E-14	-4.681E-14	1.571E+00	9.760E+02	-7.103E+03	-2.087E-01
312	3	23162.74	146.95	49.95	1	4.222E-14	-3.553E-14	-9.521E-30	2.122E+03	5.701E+02	-8.703E+02	4.222E-14	-3.553E-14	0.000E+00	2.512E+03	1.801E+02	-4.213E-01
312	4	23153.24	136.45	49.95	1	-4.856E-14	1.385E-14	-3.822E-30	3.766E+03	-5.406E+03	-1.099E+03	1.385E-14	-4.856E-14	1.571E+00	3.896E+03	-5.535E+03	-1.176E-01
313	1	22971.24	157.45	49.95	1	3.476E-15	-4.543E-15	-1.785E-14	2.847E+03	2.435E+03	1.466E+03	1.776E-14	-1.883E-14	0.000E+00	4.121E+03	1.161E+03	7.155E-01

313	2	22980.74	167.95	49.95	1	4.127E-15	3.623E-14	1.965E-30	3.893E+03	1.636E+03	8.312E+02	3.623E-14	4.127E-15	1.571E+00	4.166E+03	1.363E+03	3.174E-01
313	3	22971.24	178.45	49.95	1	1.747E-14	-2.337E-14	-5.002E-30	1.953E+03	4.858E+02	1.101E+03	1.747E-14	-2.337E-14	0.000E+00	2.543E+03	-1.039E+02	4.916E-01
313	4	22961.74	167.95	49.95	1	-3.741E-14	-1.075E-14	-1.632E-30	3.310E+02	1.724E+03	1.192E+03	-1.075E-14	-3.741E-14	1.571E+00	2.408E+03	-3.527E+02	1.050E+00
314	1	23026.24	157.45	49.95	1	1.148E-14	1.078E-15	-2.146E-14	-3.689E+03	-7.304E+02	1.126E+03	2.836E-14	-1.580E-14	0.000E+00	-3.508E+02	-4.068E+03	1.246E+00
314	2	23053.41	167.95	49.95	1	-1.517E-15	3.242E-14	2.078E-30	-8.097E+03	-1.185E+03	-1.350E+02	3.242E-14	-1.517E-15	1.571E+00	-1.183E+03	-8.099E+03	1.590E+00
314	3	23026.24	178.45	49.95	1	2.548E-14	-1.166E-14	-4.548E-30	-3.760E+03	-2.727E+02	2.710E+02	2.548E-14	-1.166E-14	0.000E+00	-2.517E+02	-3.781E+03	1.494E+00
314	4	22999.07	167.95	49.95	1	-1.349E-14	6.893E-15	-1.248E-30	6.479E+02	-1.697E+02	4.099E+02	6.893E-15	-1.349E-14	1.571E+00	8.180E+02	-3.398E+02	3.933E-01
315	1	23107.74	157.45	49.95	1	1.257E-15	1.621E-14	-3.624E-15	-3.696E+03	-7.358E+02	-1.101E+03	1.705E-14	4.253E-16	1.571E+00	-3.714E+02	-4.061E+03	1.890E+00
315	2	23134.91	167.95	49.95	1	-1.287E-14	6.474E-14	4.752E-30	6.268E+02	-1.793E+02	-3.916E+02	6.474E-14	-1.287E-14	1.571E+00	7.857E+02	-3.383E+02	-3.855E-01
315	3	23107.74	178.45	49.95	1	5.318E-14	-1.901E-14	-8.840E-30	-3.771E+03	-2.780E+02	-2.492E+02	5.318E-14	-1.901E-14	0.000E+00	-2.603E+02	-3.789E+03	1.642E+00
315	4	23080.57	167.95	49.95	1	-8.341E-15	6.013E-15	-8.789E-31	-8.094E+03	-1.189E+03	-1.369E+02	6.013E-15	-8.341E-15	1.571E+00	-1.186E+03	-8.097E+03	1.591E+00
316	1	23162.74	157.45	49.95	1	-8.389E-15	-4.013E-14	4.095E-15	2.830E+03	2.410E+03	-1.450E+03	-7.870E-15	-4.065E-14	0.000E+00	4.085E+03	1.155E+03	-7.135E-01
316	2	23172.24	167.95	49.95	1	-1.173E-13	6.438E-14	1.112E-29	3.265E+02	1.706E+03	-1.179E+03	6.438E-14	-1.173E-13	1.571E+00	2.382E+03	-3.493E+02	2.091E+00
316	3	23162.74	178.45	49.95	1	5.969E-14	-9.122E-14	-1.848E-29	1.931E+03	4.824E+02	-1.090E+03	5.969E-14	-9.122E-14	0.000E+00	2.516E+03	-1.021E+02	-4.921E-01
316	4	23153.24	167.95	49.95	1	-7.130E-14	3.070E-14	-6.245E-30	3.864E+03	1.622E+03	-8.144E+02	3.070E-14	-7.130E-14	1.571E+00	4.128E+03	1.357E+03	-3.142E-01
317	1	25524.74	-167.95	52.50	1	-9.265E-01	9.882E-03	-4.923E-01	1.803E+03	3.995E+02	1.165E+03	2.211E-01	-1.138E+00	1.976E+00	2.461E+03	-2.591E+02	5.144E-01
317	2	25534.24	-178.45	52.50	1	-2.606E-02	-7.897E-01	-3.696E-01	4.228E+02	1.744E+03	1.057E+03	1.235E-01	-9.393E-01	-3.846E-01	2.330E+03	-1.630E+02	1.065E+00
317	3	25543.74	-167.95	52.50	1	5.960E-01	-4.400E-01	-7.442E-01	1.375E+03	3.538E+03	7.538E+02	9.847E-01	-8.287E-01	-4.813E-01	3.775E+03	1.139E+03	1.266E+00
317	4	25534.24	-157.45	52.50	1	-3.044E-01	3.595E-01	-8.669E-01	2.344E+03	2.734E+03	1.605E+03	9.558E-01	-9.007E-01	2.173E+00	4.156E+03	9.215E+02	8.458E-01
318	1	25562.07	-167.95	52.50	1	7.267E-01	4.310E-01	5.433E-01	-3.557E+02	3.879E+02	3.063E+02	1.142E+00	1.578E-02	6.526E-01	4.978E+02	-4.656E+02	1.226E+00
318	2	25589.24	-178.45	52.50	1	-9.345E-03	5.863E-01	7.146E-01	-2.367E+02	-3.753E+03	1.289E+02	1.063E+00	-4.857E-01	9.828E-01	-2.320E+02	-3.758E+03	3.661E-02
318	3	25616.40	-167.95	52.50	1	-6.130E-01	4.304E-01	8.857E-01	-9.389E+02	-7.847E+03	9.410E+01	9.366E-01	-1.119E+00	1.052E+00	-9.376E+02	-7.848E+03	1.362E-02
318	4	25589.24	-157.45	52.50	1	1.230E-01	2.751E-01	7.144E-01	-7.141E+02	-3.706E+03	8.456E+02	9.175E-01	-5.194E-01	8.384E-01	-4.916E+02	-3.928E+03	2.573E-01
319	1	25643.57	-167.95	52.50	1	-6.136E-01	4.265E-01	-8.854E-01	-9.411E+02	-7.846E+03	7.624E+01	9.333E-01	-1.120E+00	2.091E+00	-9.402E+02	-7.847E+03	1.104E-02
319	2	25670.74	-178.45	52.50	1	-2.990E-03	5.775E-01	-7.199E-01	-2.420E+02	-3.761E+03	-1.123E+02	1.063E+00	-4.889E-01	2.165E+00	-2.385E+02	-3.765E+03	-3.187E-02
319	3	25697.90	-167.95	52.50	1	7.357E-01	4.272E-01	-5.541E-01	-3.676E+02	3.742E+02	-2.947E+02	1.157E+00	6.296E-03	-6.496E-01	4.770E+02	-4.704E+02	1.907E+00
319	4	25670.74	-157.45	52.50	1	1.251E-01	2.762E-01	-7.196E-01	-7.207E+02	-3.710E+03	-8.256E+02	9.242E-01	-5.229E-01	2.304E+00	-5.078E+02	-3.923E+03	-2.523E-01
320	1	25716.24	-167.95	52.50	1	6.040E-01	-4.507E-01	7.617E-01	1.361E+03	3.517E+03	-7.445E+02	1.003E+00	-8.498E-01	4.826E-01	3.749E+03	1.129E+03	1.873E+00
320	2	25725.74	-178.45	52.50	1	-2.973E-02	-8.080E-01	3.798E-01	4.202E+02	1.729E+03	-1.053E+03	1.249E-01	-9.626E-01	3.866E-01	2.314E+03	-1.651E+02	2.078E+00
320	3	25735.24	-167.95	52.50	1	-9.477E-01	7.869E-03	5.046E-01	1.803E+03	4.017E+02	-1.161E+03	2.250E-01	-1.165E+00	1.164E+00	2.458E+03	-2.539E+02	-5.140E-01
320	4	25725.74	-157.45	52.50	1	-3.139E-01	3.652E-01	8.866E-01	2.334E+03	2.728E+03	-1.609E+03	9.750E-01	-9.237E-01	9.683E-01	4.151E+03	9.102E+02	2.295E+00
321	1	25534.24	-146.95	52.50	1	2.355E-02	-2.544E+00	7.790E-01	2.218E+03	1.587E+03	-1.018E+03	2.414E-01	-2.762E+00	2.727E-01	2.968E+03	8.370E+02	-6.352E-01
321	2	25543.74	-136.45	52.50	1	2.789E-01	-3.505E+00	4.563E-01	3.982E+03	-4.154E+03	-1.040E+03	3.332E-01	-3.559E+00	1.183E-01	4.113E+03	-4.284E+03	-1.252E-01
321	3	25534.24	-125.95	52.50	1	-3.764E-02	-2.529E+00	1.469E-01	1.963E+03	-1.135E+04	-2.167E+02	-2.901E-02	-2.538E+00	5.868E-02	1.967E+03	-1.136E+04	-1.627E-02
321	4	25524.74	-136.45	52.50	1	-2.930E-01	-1.569E+00	4.697E-01	5.044E+02	-5.846E+03	-1.607E+03	-1.388E-01	-1.723E+00	3.173E-01	8.877E+02	-6.229E+03	-2.342E-01
322	1	25589.24	-146.95	52.50	1	-3.055E-03	-1.731E+00	-6.655E-01	-3.982E+03	-2.165E+03	-1.209E+03	2.235E-01	-1.958E+00	-3.282E-01	-1.561E+03	-4.586E+03	2.034E+00
322	2	25616.40	-136.45	52.50	1	-3.109E-02	1.137E-01	-6.976E-01	-7.575E+03	-6.838E+03	-6.203E+02	7.427E-01	-6.601E-01	2.305E+00	-6.485E+03	-7.928E+03	2.088E+00
322	3	25589.24	-125.95	52.50	1	-6.083E-02	-1.707E+00	-6.662E-01	-4.207E+03	-8.635E+03	-1.905E+03	1.750E-01	-1.942E+00	-3.403E-01	-3.500E+03	-9.342E+03	-3.553E-01
322	4	25562.07	-136.45	52.50	1	-3.280E-02	-3.551E+00	-6.341E-01	-6.153E+02	-5.963E+03	-1.973E+03	7.798E-02	-3.662E+00	-1.730E-01	3.410E+01	-6.612E+03	-3.179E-01
323	1	25670.74	-146.95	52.50	1	-8.099E-03	-1.770E+00	6.711E-01	-3.982E+03	-2.144E+03	1.192E+03	2.184E-01	-1.997E+00	3.255E-01	-1.558E+03	-4.568E+03	1.114E+00
323	2	25697.90	-136.45	52.50	1	-3.598E-02	-3.631E+00	6.417E-01	-6.104E+02	-5.915E+03	1.966E+03	7.514E-02	-3.742E+00	1.715E-01	3.879E+01	-6.565E+03	3.189E-01
323	3	25670.74	-125.95	52.50	1	-6.213E-02	-1.747E+00	6.718E-01	-4.204E+03	-8.614E+03	1.899E+03	1.729E-01	-1.982E+00	3.365E-01	-3.499E+03	-9.319E+03	3.555E-01
323	4	25643.57	-136.45	52.50	1	-3.424E-02	1.132E-01	7.012E-01	-7.578E+03	-6.837E+03	-6.076E+02	7.445E-01	-6.656E-01	8.378E-01	-6.495E+03	-7.919E+03	2.082E+00

324	1	25725.74	-146.95	52.50	1	2.137E-02	-2.606E+00	-8.005E-01	2.220E+03	1.628E+03	1.020E+03	2.460E-01	-2.831E+00	-2.736E-01	2.987E+03	8.616E+02	6.441E-01
324	2	25735.24	-136.45	52.50	1	-2.993E-01	-1.615E+00	-4.855E-01	4.998E+02	-5.811E+03	1.601E+03	-1.395E-01	-1.774E+00	-3.180E-01	8.828E+02	-6.194E+03	2.348E-01
324	3	25725.74	-125.95	52.50	1	-3.820E-02	-2.592E+00	-1.575E-01	1.971E+03	-1.132E+04	2.121E+02	-2.853E-02	-2.601E+00	-6.137E-02	1.974E+03	-1.132E+04	1.596E-02
324	4	25716.24	-136.45	52.50	1	2.825E-01	-3.583E+00	-4.725E-01	3.991E+03	-4.105E+03	1.032E+03	3.394E-01	-3.640E+00	-1.199E-01	4.120E+03	-4.235E+03	1.248E-01
325	1	25524.74	-60.35	52.50	1	-1.544E+00	4.919E-02	-3.743E-03	-3.801E+04	-4.837E+02	-2.769E+03	4.920E-02	-1.544E+00	1.573E+00	-2.805E+02	-3.821E+04	1.644E+00
325	2	25534.24	-100.58	52.50	1	-1.515E+00	1.145E-01	3.841E-02	-2.452E+04	-3.633E+03	9.447E+01	1.154E-01	-1.516E+00	1.547E+00	-3.633E+03	-2.452E+04	1.566E+00
325	3	25543.74	-60.35	52.50	1	-1.498E+00	2.857E-02	-6.749E-03	-3.794E+04	-1.330E+03	8.193E+02	2.860E-02	-1.498E+00	1.575E+00	-1.312E+03	-3.796E+04	1.548E+00
325	4	25534.24	-20.12	52.50	1	-1.528E+00	-3.676E-02	-4.890E-02	-5.153E+04	7.643E+02	-4.954E+02	-3.516E-02	-1.529E+00	1.604E+00	7.690E+02	-5.153E+04	1.580E+00
326	1	25562.07	-60.35	52.50	1	-1.498E+00	2.987E-02	1.622E-01	-3.889E+04	-3.718E+03	1.320E+03	4.691E-02	-1.515E+00	1.466E+00	-3.668E+03	-3.894E+04	1.533E+00
326	2	25589.24	-100.58	52.50	1	-1.232E+00	1.038E-02	3.182E-01	-1.883E+04	-1.518E+04	2.031E+03	8.716E-02	-1.309E+00	1.334E+00	-1.427E+04	-1.973E+04	1.152E+00
326	3	25616.40	-60.35	52.50	1	-9.406E-01	-1.695E-01	1.790E-01	-3.722E+04	-2.010E+04	1.327E+03	-1.300E-01	-9.801E-01	1.354E+00	-1.999E+04	-3.732E+04	1.494E+00
326	4	25589.24	-20.12	52.50	1	-1.207E+00	-1.500E-01	2.298E-02	-5.483E+04	-1.609E+04	-1.769E+03	-1.495E-01	-1.208E+00	1.549E+00	-1.601E+04	-5.491E+04	1.616E+00
327	1	25643.57	-60.35	52.50	1	-9.414E-01	-1.749E-01	-1.803E-01	-3.722E+04	-2.010E+04	1.332E+03	-1.346E-01	-9.817E-01	1.791E+00	-2.000E+04	-3.732E+04	1.494E+00
327	2	25670.74	-100.58	52.50	1	-1.251E+00	1.230E-02	-3.293E-01	-1.882E+04	-1.518E+04	-2.019E+03	9.297E-02	-1.332E+00	1.811E+00	-1.428E+04	-1.972E+04	1.989E+00
327	3	25697.90	-60.35	52.50	1	-1.536E+00	3.771E-02	-1.634E-01	-3.887E+04	-3.712E+03	-1.323E+03	5.451E-02	-1.553E+00	1.673E+00	-3.662E+03	-3.892E+04	1.608E+00
327	4	25670.74	-20.12	52.50	1	-1.226E+00	-1.494E-01	-1.447E-02	-5.482E+04	-1.609E+04	1.769E+03	-1.493E-01	-1.226E+00	1.584E+00	-1.601E+04	-5.490E+04	1.525E+00
328	1	25716.24	-60.35	52.50	1	-1.537E+00	2.811E-02	1.041E-02	-3.793E+04	-1.331E+03	-8.153E+02	2.818E-02	-1.538E+00	1.564E+00	-1.312E+03	-3.795E+04	1.593E+00
328	2	25725.74	-100.58	52.50	1	-1.558E+00	1.168E-01	-4.244E-02	-2.450E+04	-3.633E+03	-9.373E+01	1.179E-01	-1.559E+00	1.596E+00	-3.633E+03	-2.450E+04	1.575E+00
328	3	25735.24	-60.35	52.50	1	-1.591E+00	5.235E-02	7.367E-03	-3.800E+04	-4.803E+02	2.775E+03	5.238E-02	-1.591E+00	1.566E+00	-2.762E+02	-3.820E+04	1.497E+00
328	4	25725.74	-20.12	52.50	1	-1.571E+00	-3.639E-02	6.022E-02	-5.152E+04	7.676E+02	4.969E+02	-3.403E-02	-1.573E+00	1.532E+00	7.723E+02	-5.153E+04	1.561E+00
329	1	25524.74	60.35	52.50	1	-1.544E+00	4.919E-02	3.743E-03	-3.801E+04	-4.837E+02	2.769E+03	4.920E-02	-1.544E+00	1.568E+00	-2.805E+02	-3.821E+04	1.498E+00
329	2	25534.24	20.12	52.50	1	-1.528E+00	-3.676E-02	4.890E-02	-5.153E+04	7.643E+02	-4.954E+02	-3.516E-02	-1.529E+00	1.538E+00	7.690E+02	-5.153E+04	1.580E+00
329	3	25543.74	60.35	52.50	1	-1.498E+00	2.857E-02	6.749E-03	-3.794E+04	-1.330E+03	-8.193E+02	2.860E-02	-1.498E+00	1.566E+00	-1.312E+03	-3.796E+04	1.593E+00
329	4	25534.24	100.58	52.50	1	-1.515E+00	1.145E-01	-3.841E-02	-2.452E+04	-3.633E+03	-9.447E+01	1.154E-01	-1.516E+00	1.594E+00	-3.633E+03	-2.452E+04	1.575E+00
330	1	25562.07	60.35	52.50	1	-1.498E+00	2.987E-02	-1.622E-01	-3.889E+04	-3.718E+03	-1.320E+03	4.691E-02	-1.515E+00	1.675E+00	-3.668E+03	-3.894E+04	1.608E+00
330	2	25589.24	20.12	52.50	1	-1.207E+00	-1.500E-01	-2.298E-02	-5.483E+04	-1.609E+04	-1.769E+03	-1.495E-01	-1.208E+00	1.593E+00	-1.601E+04	-5.491E+04	1.616E+00
330	3	25616.40	60.35	52.50	1	-9.406E-01	-1.695E-01	-1.790E-01	-3.722E+04	-2.010E+04	-1.327E+03	-1.300E-01	-9.801E-01	1.788E+00	-1.999E+04	-3.732E+04	1.648E+00
330	4	25589.24	100.58	52.50	1	-1.232E+00	1.038E-02	-3.182E-01	-1.883E+04	-1.518E+04	-2.031E+03	8.716E-02	-1.309E+00	1.808E+00	-1.427E+04	-1.973E+04	1.990E+00
331	1	25643.57	60.35	52.50	1	-9.414E-01	-1.749E-01	1.803E-01	-3.722E+04	-2.010E+04	-1.332E+03	-1.346E-01	-9.817E-01	1.351E+00	-2.000E+04	-3.732E+04	1.648E+00
331	2	25670.74	20.12	52.50	1	-1.226E+00	-1.494E-01	1.447E-02	-5.482E+04	-1.609E+04	1.769E+03	-1.493E-01	-1.226E+00	1.557E+00	-1.601E+04	-5.490E+04	1.525E+00
331	3	25697.90	60.35	52.50	1	-1.536E+00	3.771E-02	1.634E-01	-3.887E+04	-3.712E+03	1.323E+03	5.451E-02	-1.553E+00	1.468E+00	-3.662E+03	-3.892E+04	1.533E+00
331	4	25670.74	100.58	52.50	1	-1.251E+00	1.230E-02	3.293E-01	-1.882E+04	-1.518E+04	2.019E+03	9.297E-02	-1.332E+00	1.331E+00	-1.428E+04	-1.972E+04	1.152E+00
332	1	25716.24	60.35	52.50	1	-1.537E+00	2.811E-02	-1.041E-02	-3.793E+04	-1.331E+03	8.153E+02	2.818E-02	-1.538E+00	1.577E+00	-1.312E+03	-3.795E+04	1.549E+00
332	2	25725.74	20.12	52.50	1	-1.571E+00	-3.639E-02	-6.022E-02	-5.152E+04	7.676E+02	4.969E+02	-3.403E-02	-1.573E+00	1.610E+00	7.723E+02	-5.153E+04	1.561E+00
332	3	25735.24	60.35	52.50	1	-1.591E+00	5.235E-02	-7.367E-03	-3.800E+04	-4.803E+02	-2.775E+03	5.238E-02	-1.591E+00	1.575E+00	-2.762E+02	-3.820E+04	1.644E+00
332	4	25725.74	100.58	52.50	1	-1.558E+00	1.168E-01	4.244E-02	-2.450E+04	-3.633E+03	9.373E+01	1.179E-01	-1.559E+00	1.545E+00	-3.633E+03	-2.450E+04	1.566E+00
333	1	25534.24	125.95	52.50	1	-3.764E-02	-2.529E+00	-1.469E-01	1.963E+03	-1.135E+04	2.167E+02	-2.901E-02	-2.538E+00	-5.868E-02	1.967E+03	-1.136E+04	1.627E-02
333	2	25543.74	136.45	52.50	1	2.789E-01	-3.505E+00	-4.563E-01	3.982E+03	-4.154E+03	1.040E+03	3.332E-01	-3.559E+00	-1.183E-01	4.113E+03	-4.284E+03	1.252E-01
333	3	25534.24	146.95	52.50	1	2.355E-02	-2.544E+00	-7.790E-01	2.218E+03	1.587E+03	1.018E+03	2.414E-01	-2.762E+00	-2.727E-01	2.968E+03	8.370E+02	6.352E-01
333	4	25524.74	136.45	52.50	1	-2.930E-01	-1.569E+00	-4.697E-01	5.044E+02	-5.846E+03	1.607E+03	-1.388E-01	-1.723E+00	-3.173E-01	8.877E+02	-6.229E+03	2.342E-01
334	1	25589.24	125.95	52.50	1	-6.083E-02	-1.707E+00	6.662E-01	-4.207E+03	-8.635E+03	1.905E+03	1.750E-01	-1.942E+00	3.403E-01	-3.500E+03	-9.342E+03	3.553E-01
334	2	25616.40	136.45	52.50	1	-3.109E-02	1.137E-01	6.976E-01	-7.575E+03	-6.838E+03	6.203E+02	7.427E-01	-6.601E-01	8.371E-01	-6.485E+03	-7.928E+03	1.054E+00
334	3	25589.24	146.95	52.50	1	-3.055E-03	-1.731E+00	6.655E-01	-3.982E+03	-2.165E+03	1.209E+03	2.235E-01	-1.958E+00	3.282E-01	-1.561E+03	-4.586E+03	1.108E+00

334	4	25562.07	136.45	52.50	1	-3.280E-02	-3.551E+00	6.341E-01	-6.153E+02	-5.963E+03	1.973E+03	7.798E-02	-3.662E+00	1.730E-01	3.410E+01	-6.612E+03	3.179E-01
335	1	25670.74	125.95	52.50	1	-6.213E-02	-1.747E+00	-6.718E-01	-4.204E+03	-8.614E+03	-1.899E+03	1.729E-01	-1.982E+00	-3.365E-01	-3.499E+03	-9.319E+03	-3.555E-01
335	2	25697.90	136.45	52.50	1	-3.598E-02	-3.631E+00	-6.417E-01	-6.104E+02	-5.915E+03	-1.966E+03	7.514E-02	-3.742E+00	-1.715E-01	3.879E+01	-6.565E+03	-3.189E-01
335	3	25670.74	146.95	52.50	1	-8.099E-03	-1.770E+00	-6.711E-01	-3.982E+03	-2.144E+03	-1.192E+03	2.184E-01	-1.997E+00	-3.255E-01	-1.558E+03	-4.568E+03	2.028E+00
335	4	25643.57	136.45	52.50	1	-3.424E-02	1.132E-01	-7.012E-01	-7.578E+03	-6.837E+03	6.076E+02	7.445E-01	-6.656E-01	2.304E+00	-6.495E+03	-7.919E+03	1.059E+00
336	1	25725.74	125.95	52.50	1	-3.820E-02	-2.592E+00	1.575E-01	1.971E+03	-1.132E+04	-2.121E+02	-2.853E-02	-2.601E+00	6.137E-02	1.974E+03	-1.132E+04	-1.596E-02
336	2	25735.24	136.45	52.50	1	-2.993E-01	-1.615E+00	4.855E-01	4.998E+02	-5.811E+03	-1.601E+03	-1.395E-01	-1.774E+00	3.180E-01	8.828E+02	-6.194E+03	-2.348E-01
336	3	25725.74	146.95	52.50	1	2.137E-02	-2.606E+00	8.005E-01	2.220E+03	1.628E+03	-1.020E+03	2.460E-01	-2.831E+00	2.736E-01	2.987E+03	8.616E+02	-6.441E-01
336	4	25716.24	136.45	52.50	1	2.825E-01	-3.583E+00	4.725E-01	3.991E+03	-4.105E+03	-1.032E+03	3.394E-01	-3.640E+00	1.199E-01	4.120E+03	-4.235E+03	-1.248E-01
337	1	25534.24	157.45	52.50	1	3.595E-01	-3.044E-01	-8.669E-01	2.734E+03	2.344E+03	1.605E+03	9.558E-01	-9.007E-01	-6.025E-01	4.156E+03	9.215E+02	7.250E-01
337	2	25543.74	167.95	52.50	1	-4.400E-01	5.960E-01	-7.442E-01	3.538E+03	1.375E+03	7.538E+02	9.847E-01	-8.287E-01	2.052E+00	3.775E+03	1.139E+03	3.044E-01
337	3	25534.24	178.45	52.50	1	-7.897E-01	-2.606E-02	-3.696E-01	1.744E+03	4.228E+02	1.057E+03	1.235E-01	-9.393E-01	1.955E+00	2.330E+03	-1.630E+02	5.061E-01
337	4	25524.74	167.95	52.50	1	9.882E-03	-9.265E-01	-4.923E-01	3.995E+02	1.803E+03	1.165E+03	2.211E-01	-1.138E+00	-4.052E-01	2.461E+03	-2.591E+02	1.056E+00
338	1	25589.24	157.45	52.50	1	2.751E-01	1.230E-01	7.144E-01	-3.706E+03	-7.141E+02	8.456E+02	9.175E-01	-5.194E-01	7.324E-01	-4.916E+02	-3.928E+03	1.314E+00
338	2	25616.40	167.95	52.50	1	4.304E-01	-6.130E-01	8.857E-01	-7.847E+03	-9.389E+02	9.410E+01	9.366E-01	-1.119E+00	5.192E-01	-9.376E+02	-7.848E+03	1.557E+00
338	3	25589.24	178.45	52.50	1	5.863E-01	-9.345E-03	7.146E-01	-3.753E+03	-2.367E+02	1.289E+02	1.063E+00	-4.857E-01	5.880E-01	-2.320E+02	-3.758E+03	1.534E+00
338	4	25562.07	167.95	52.50	1	4.310E-01	7.267E-01	5.433E-01	3.879E+02	-3.557E+02	3.063E+02	1.142E+00	1.578E-02	9.182E-01	4.978E+02	-4.656E+02	3.446E-01
339	1	25670.74	157.45	52.50	1	2.762E-01	1.251E-01	-7.196E-01	-3.710E+03	-7.207E+02	-8.256E+02	9.242E-01	-5.229E-01	-7.331E-01	-5.078E+02	-3.923E+03	1.823E+00
339	2	25697.90	167.95	52.50	1	4.272E-01	7.357E-01	-5.541E-01	3.742E+02	-3.676E+02	-2.947E+02	1.157E+00	6.296E-03	2.220E+00	4.770E+02	-4.704E+02	-3.357E-01
339	3	25670.74	178.45	52.50	1	5.775E-01	-2.990E-03	-7.199E-01	-3.761E+03	-2.420E+02	-1.123E+02	1.063E+00	-4.889E-01	-5.938E-01	-2.385E+02	-3.765E+03	1.603E+00
339	4	25643.57	167.95	52.50	1	4.265E-01	-6.136E-01	-8.854E-01	-7.846E+03	-9.411E+02	7.624E+01	9.333E-01	-1.120E+00	-5.199E-01	-9.402E+02	-7.847E+03	1.560E+00
340	1	25725.74	157.45	52.50	1	3.652E-01	-3.139E-01	8.866E-01	2.728E+03	2.334E+03	-1.609E+03	9.750E-01	-9.237E-01	6.025E-01	4.151E+03	9.102E+02	-7.245E-01
340	2	25735.24	167.95	52.50	1	7.869E-03	-9.477E-01	5.046E-01	4.017E+02	1.803E+03	-1.161E+03	2.250E-01	-1.165E+00	4.063E-01	2.458E+03	-2.539E+02	2.085E+00
340	3	25725.74	178.45	52.50	1	-8.080E-01	-2.973E-02	3.798E-01	1.729E+03	4.202E+02	-1.053E+03	1.249E-01	-9.626E-01	1.184E+00	2.314E+03	-1.651E+02	-5.073E-01
340	4	25716.24	167.95	52.50	1	-4.507E-01	6.040E-01	7.617E-01	3.517E+03	1.361E+03	-7.445E+02	1.003E+00	-8.498E-01	1.088E+00	3.749E+03	1.129E+03	-3.022E-01
341	1	28087.74	-167.95	55.05	1	-7.660E-17	-5.719E-16	-3.421E-17	1.712E+03	3.280E+02	1.183E+03	-7.425E-17	-5.743E-16	0.000E+00	2.390E+03	-3.503E+02	5.208E-01
341	2	28097.24	-178.45	55.05	1	-2.274E-16	2.762E-16	3.084E-32	4.831E+02	1.938E+03	1.094E+03	2.762E-16	-2.274E-16	1.571E+00	2.524E+03	-1.028E+02	1.079E+00
341	3	28106.74	-167.95	55.05	1	4.961E-16	-6.042E-18	-6.149E-32	1.625E+03	3.870E+03	8.211E+02	4.961E-16	-6.042E-18	0.000E+00	4.139E+03	1.357E+03	1.255E+00
341	4	28097.24	-157.45	55.05	1	-4.503E-16	2.430E-16	-4.245E-32	2.418E+03	2.833E+03	1.455E+03	2.430E-16	-4.503E-16	1.571E+00	4.095E+03	1.156E+03	8.563E-01
342	1	28125.07	-167.95	55.05	1	5.599E-19	-3.907E-16	-1.551E-16	-1.743E+02	6.358E+02	3.999E+02	5.456E-17	-4.447E-16	0.000E+00	8.000E+02	-3.384E+02	1.181E+00
342	2	28152.24	-178.45	55.05	1	-3.549E-16	2.271E-16	3.564E-32	-2.748E+02	-3.758E+03	2.596E+02	2.271E-16	-3.549E-16	1.571E+00	-2.555E+02	-3.777E+03	7.398E-02
342	3	28179.40	-167.95	55.05	1	2.712E-16	-3.525E-16	-7.638E-32	-1.185E+03	-8.079E+03	-1.484E+02	2.712E-16	-3.525E-16	0.000E+00	-1.182E+03	-8.083E+03	-2.151E-02
342	4	28152.24	-157.45	55.05	1	-5.719E-16	2.281E-16	-4.898E-32	-7.317E+02	-3.685E+03	1.111E+03	2.281E-16	-5.719E-16	1.571E+00	-3.606E+02	-4.056E+03	3.224E-01
343	1	28206.57	-167.95	55.05	1	-1.504E-17	2.219E-17	-3.371E-17	-1.185E+03	-8.079E+03	-1.484E+02	4.208E-17	-3.493E-17	1.571E+00	-1.182E+03	-8.083E+03	-2.151E-02
343	2	28233.74	-178.45	55.05	1	-2.207E-16	4.081E-16	3.850E-32	-2.748E+02	-3.758E+03	-2.596E+02	4.081E-16	-2.207E-16	1.571E+00	-2.555E+02	-3.777E+03	-7.398E-02
343	3	28260.90	-167.95	55.05	1	3.758E-16	-1.498E-17	-4.785E-32	-1.743E+02	6.358E+02	-3.999E+02	3.758E-16	-1.498E-17	0.000E+00	8.000E+02	-3.384E+02	1.960E+00
343	4	28233.74	-157.45	55.05	1	-2.002E-16	3.808E-16	-3.557E-32	-7.317E+02	-3.685E+03	-1.111E+03	3.808E-16	-2.002E-16	1.571E+00	-3.606E+02	-4.056E+03	-3.224E-01
344	1	28279.24	-167.95	55.05	1	-1.023E-16	-3.418E-16	-5.309E-17	1.625E+03	3.870E+03	-8.211E+02	-9.107E-17	-3.530E-16	0.000E+00	4.139E+03	1.357E+03	1.887E+00
344	2	28288.74	-178.45	55.05	1	-2.017E-16	2.888E-16	3.003E-32	4.831E+02	1.938E+03	-1.094E+03	2.888E-16	-2.017E-16	1.571E+00	2.524E+03	-1.028E+02	2.063E+00
344	3	28298.24	-167.95	55.05	1	6.816E-16	7.183E-17	-7.467E-32	1.712E+03	3.280E+02	-1.183E+03	6.816E-16	7.183E-17	0.000E+00	2.390E+03	-3.503E+02	-5.208E-01
344	4	28288.74	-157.45	55.05	1	-2.287E-16	4.510E-16	-4.162E-32	2.418E+03	2.833E+03	-1.455E+03	4.510E-16	-2.287E-16	1.571E+00	4.095E+03	1.156E+03	2.285E+00
345	1	28097.24	-146.95	55.05	1	-2.893E-16	-8.502E-17	9.450E-17	2.125E+03	5.785E+02	-8.719E+02	-4.801E-17	-3.263E-16	1.571E+00	2.517E+03	1.863E+02	-4.227E-01
345	2	28106.74	-136.45	55.05	1	-3.274E-16	1.027E-15	8.290E-32	3.770E+03	-5.393E+03	-1.106E+03	1.027E-15	-3.274E-16	1.571E+00	3.901E+03	-5.525E+03	-1.184E-01

345	3	28097.24	-125.95	55.05	1	7.982E-16	-8.904E-16	-2.068E-31	1.814E+03	-1.237E+04	-2.624E+02	7.982E-16	-8.904E-16	0.000E+00	1.819E+03	-1.237E+04	-1.849E-02
345	4	28087.74	-136.45	55.05	1	-1.205E-15	3.930E-17	-7.618E-32	6.274E+02	-6.747E+03	-1.644E+03	3.930E-17	-1.205E-15	1.571E+00	9.771E+02	-7.097E+03	-2.097E-01
346	1	28152.24	-146.95	55.05	1	-4.415E-16	-1.390E-16	-3.404E-16	-4.072E+03	-2.891E+03	-1.442E+03	8.221E-17	-6.627E-16	1.571E+00	-1.923E+03	-5.040E+03	2.162E+00
346	2	28179.40	-136.45	55.05	1	-1.292E-15	3.839E-16	1.026E-31	-7.570E+03	-7.255E+03	6.472E+02	3.839E-16	-1.292E-15	1.571E+00	-6.746E+03	-8.079E+03	9.047E-01
346	3	28152.24	-125.95	55.05	1	3.915E-16	-1.552E-15	-2.380E-31	-4.275E+03	-9.327E+03	-1.932E+03	3.915E-16	-1.552E-15	0.000E+00	-3.621E+03	-9.981E+03	-3.265E-01
346	4	28125.07	-136.45	55.05	1	-1.234E-15	4.012E-16	-1.001E-31	-7.783E+02	-7.204E+03	-2.029E+03	4.012E-16	-1.234E-15	1.571E+00	-1.913E+02	-7.791E+03	-2.816E-01
347	1	28233.74	-146.95	55.05	1	1.845E-16	-1.806E-18	-3.222E-16	-4.072E+03	-2.891E+03	1.442E+03	4.267E-16	-2.441E-16	0.000E+00	-1.923E+03	-5.040E+03	9.796E-01
347	2	28260.90	-136.45	55.05	1	-3.112E-16	6.710E-16	6.014E-32	-7.783E+02	-7.204E+03	2.029E+03	6.710E-16	-3.112E-16	1.571E+00	-1.913E+02	-7.791E+03	2.816E-01
347	3	28233.74	-125.95	55.05	1	7.786E-16	-3.123E-16	-1.336E-31	-4.275E+03	-9.327E+03	1.932E+03	7.786E-16	-3.123E-16	0.000E+00	-3.621E+03	-9.981E+03	3.265E-01
347	4	28206.57	-136.45	55.05	1	-3.291E-16	6.182E-16	-5.800E-32	-7.570E+03	-7.255E+03	6.472E+02	6.182E-16	-3.291E-16	1.571E+00	-6.746E+03	-8.079E+03	9.047E-01
348	1	28288.74	-146.95	55.05	1	2.282E-16	1.468E-16	2.327E-17	2.125E+03	5.785E+02	8.719E+02	2.344E-16	1.406E-16	0.000E+00	2.517E+03	1.863E+02	4.227E-01
348	2	28298.24	-136.45	55.05	1	-9.378E-17	1.171E-15	7.747E-32	6.274E+02	-6.747E+03	1.644E+03	1.171E-15	-9.378E-17	1.571E+00	9.771E+02	-7.097E+03	2.097E-01
348	3	28288.74	-125.95	55.05	1	8.361E-16	-9.152E-16	-2.145E-31	1.814E+03	-1.237E+04	2.624E+02	8.361E-16	-9.152E-16	0.000E+00	1.819E+03	-1.237E+04	1.849E-02
348	4	28279.24	-136.45	55.05	1	-9.732E-16	1.915E-16	-7.132E-32	3.770E+03	-5.393E+03	1.106E+03	1.915E-16	-9.732E-16	1.571E+00	3.901E+03	-5.525E+03	1.184E-01
349	1	28087.74	-60.35	55.05	1	-1.496E-15	-9.371E-17	-3.444E-16	-3.885E+04	-5.046E+02	-2.746E+03	-1.367E-17	-1.576E-15	1.571E+00	-3.088E+02	-3.905E+04	1.642E+00
349	2	28097.24	-100.58	55.05	1	-1.300E-15	-6.941E-17	7.535E-32	-2.539E+04	-3.665E+03	1.242E+02	-6.941E-17	-1.300E-15	1.571E+00	-3.664E+03	-2.539E+04	1.565E+00
349	3	28106.74	-60.35	55.05	1	3.251E-16	-1.157E-15	-1.815E-31	-3.877E+04	-1.329E+03	8.287E+02	3.251E-16	-1.157E-15	0.000E+00	-1.310E+03	-3.879E+04	1.549E+00
349	4	28097.24	-20.12	55.05	1	-1.568E-15	5.162E-16	-1.276E-31	-5.233E+04	7.567E+02	4.916E+02	5.162E-16	-1.568E-15	1.571E+00	7.613E+02	-5.234E+04	1.562E+00
350	1	28125.07	-60.35	55.05	1	-9.576E-16	8.450E-16	-1.017E-15	-3.972E+04	-3.732E+03	1.327E+03	1.303E-15	-1.415E-15	1.571E+00	-3.683E+03	-3.977E+04	1.534E+00
350	2	28152.24	-100.58	55.05	1	-1.411E-15	9.700E-16	1.458E-31	-1.965E+04	-1.517E+04	2.026E+03	9.700E-16	-1.411E-15	1.571E+00	-1.439E+04	-2.043E+04	1.203E+00
350	3	28179.40	-60.35	55.05	1	2.888E-15	-7.572E-16	-4.464E-31	-3.802E+04	-1.997E+04	1.343E+03	2.888E-15	-7.572E-16	0.000E+00	-1.987E+04	-3.812E+04	1.497E+00
350	4	28152.24	-20.12	55.05	1	-1.001E-15	3.461E-15	-2.732E-31	-5.562E+04	-1.607E+04	1.780E+03	3.461E-15	-1.001E-15	1.571E+00	-1.599E+04	-5.570E+04	1.526E+00
351	1	28206.57	-60.35	55.05	1	1.704E-15	-3.829E-15	8.827E-16	-3.802E+04	-1.997E+04	1.343E+03	1.841E-15	-3.966E-15	0.000E+00	-1.987E+04	-3.812E+04	1.497E+00
351	2	28233.74	-100.58	55.05	1	-6.720E-16	8.066E-16	9.054E-32	-1.965E+04	-1.517E+04	-2.026E+03	8.066E-16	-6.720E-16	1.571E+00	-1.439E+04	-2.043E+04	1.939E+00
351	3	28260.90	-60.35	55.05	1	-2.576E-16	-3.769E-15	-4.300E-31	-3.972E+04	-3.732E+03	-1.327E+03	-2.576E-16	-3.769E-15	0.000E+00	-3.683E+03	-3.977E+04	1.608E+00
351	4	28233.74	-20.12	55.05	1	-7.515E-15	1.228E-15	-5.353E-31	-5.562E+04	-1.607E+04	-1.780E+03	1.228E-15	-7.515E-15	1.571E+00	-1.599E+04	-5.570E+04	1.616E+00
352	1	28279.24	-60.35	55.05	1	-1.107E-15	3.314E-16	8.375E-17	-3.877E+04	-1.329E+03	-8.287E+02	3.363E-16	-1.112E-15	1.571E+00	-1.310E+03	-3.879E+04	1.593E+00
352	2	28288.74	-100.58	55.05	1	-1.446E-15	-2.705E-17	8.689E-32	-2.539E+04	-3.665E+03	-1.242E+02	-2.705E-17	-1.446E-15	1.571E+00	-3.664E+03	-2.539E+04	1.577E+00
352	3	28298.24	-60.35	55.05	1	8.042E-16	-7.672E-16	-1.924E-31	-3.885E+04	-5.046E+02	2.746E+03	8.042E-16	-7.672E-16	0.000E+00	-3.088E+02	-3.905E+04	1.500E+00
352	4	28288.74	-20.12	55.05	1	-1.225E-15	1.960E-15	-1.950E-31	-5.233E+04	7.567E+02	4.916E+02	1.960E-15	-1.225E-15	1.571E+00	7.613E+02	-5.234E+04	1.562E+00
353	1	28087.74	60.35	55.05	1	-8.110E-16	1.490E-16	5.642E-16	-3.885E+04	-5.046E+02	2.746E+03	4.098E-16	-1.072E-15	1.571E+00	-3.088E+02	-3.905E+04	1.500E+00
353	2	28097.24	20.12	55.05	1	-1.098E-15	6.820E-16	1.090E-31	-5.233E+04	7.567E+02	4.916E+02	6.820E-16	-1.098E-15	1.571E+00	7.613E+02	-5.234E+04	1.562E+00
353	3	28106.74	60.35	55.05	1	8.762E-17	-1.189E-15	-1.563E-31	-3.877E+04	-1.329E+03	-8.287E+02	8.762E-17	-1.189E-15	0.000E+00	-1.310E+03	-3.879E+04	1.593E+00
353	4	28097.24	100.58	55.05	1	-1.085E-15	-2.618E-16	-5.043E-32	-2.539E+04	-3.665E+03	-1.242E+02	-2.618E-16	-1.085E-15	1.571E+00	-3.664E+03	-2.539E+04	1.577E+00
354	1	28125.07	60.35	55.05	1	-6.864E-16	-4.852E-16	1.207E-15	-3.972E+04	-3.732E+03	-1.327E+03	6.258E-16	-1.797E-15	1.571E+00	-3.683E+03	-3.977E+04	1.608E+00
354	2	28152.24	20.12	55.05	1	-2.727E-15	1.734E-15	2.731E-31	-5.562E+04	-1.607E+04	1.780E+03	1.734E-15	-2.727E-15	1.571E+00	-1.599E+04	-5.570E+04	1.526E+00
354	3	28179.40	60.35	55.05	1	1.187E-15	-4.699E-15	-7.208E-31	-3.802E+04	-1.997E+04	-1.343E+03	1.187E-15	-4.699E-15	0.000E+00	-1.987E+04	-3.812E+04	1.645E+00
354	4	28152.24	100.58	55.05	1	-4.287E-15	5.959E-16	-2.990E-31	-1.965E+04	-1.517E+04	-2.026E+03	5.959E-16	-4.287E-15	1.571E+00	-1.439E+04	-2.043E+04	1.939E+00
355	1	28206.57	60.35	55.05	1	-4.748E-15	-4.081E-15	4.382E-15	-3.802E+04	-1.997E+04	-1.343E+03	-1.969E-17	-8.809E-15	1.571E+00	-1.987E+04	-3.812E+04	1.645E+00
355	2	28233.74	20.12	55.05	1	-1.025E-14	-2.237E-15	4.907E-31	-5.562E+04	-1.607E+04	-1.780E+03	-2.237E-15	-1.025E-14	1.571E+00	-1.599E+04	-5.570E+04	1.616E+00
355	3	28260.90	60.35	55.05	1	-9.087E-16	-8.814E-15	-9.680E-31	-3.972E+04	-3.732E+03	1.327E+03	-9.087E-16	-8.814E-15	0.000E+00	-3.683E+03	-3.977E+04	1.534E+00
355	4	28233.74	100.58	55.05	1	-8.975E-15	2.911E-15	-7.278E-31	-1.965E+04	-1.517E+04	2.026E+03	2.911E-15	-8.975E-15	1.571E+00	-1.439E+04	-2.043E+04	1.203E+00
356	1	28279.24	60.35	55.05	1	-5.788E-15	-3.360E-15	3.848E-15	-3.877E+04	-1.329E+03	8.287E+02	-5.388E-16	-8.609E-15	1.571E+00	-1.310E+03	-3.879E+04	1.549E+00

356	2	28288.74	20.12	55.05	1	-8.153E-15	5.201E-16	5.311E-31	-5.233E+04	7.567E+02	4.916E+02	5.201E-16	-8.153E-15	1.571E+00	7.613E+02	-5.234E+04	1.562E+00
356	3	28298.24	60.35	55.05	1	8.520E-17	-1.248E-14	-1.538E-30	-3.885E+04	-5.046E+02	-2.746E+03	8.520E-17	-1.248E-14	0.000E+00	-3.088E+02	-3.905E+04	1.642E+00
356	4	28288.74	100.58	55.05	1	-1.669E-14	2.780E-15	-1.192E-30	-2.539E+04	-3.665E+03	1.242E+02	2.780E-15	-1.669E-14	1.571E+00	-3.664E+03	-2.539E+04	1.565E+00
357	1	28097.24	125.95	55.05	1	-8.935E-17	2.404E-15	1.216E-15	1.814E+03	-1.237E+04	2.624E+02	2.899E-15	-5.845E-16	1.571E+00	1.819E+03	-1.237E+04	1.849E-02
357	2	28106.74	136.45	55.05	1	-8.703E-16	2.919E-15	2.320E-31	3.770E+03	-5.393E+03	1.106E+03	2.919E-15	-8.703E-16	1.571E+00	3.901E+03	-5.525E+03	1.184E-01
357	3	28097.24	146.95	55.05	1	2.777E-15	-8.416E-17	-3.504E-31	2.125E+03	5.785E+02	8.719E+02	2.777E-15	-8.416E-17	0.000E+00	2.517E+03	1.863E+02	4.227E-01
357	4	28087.74	136.45	55.05	1	2.118E-17	2.937E-15	-1.785E-31	6.274E+02	-6.747E+03	1.644E+03	2.937E-15	2.118E-17	1.571E+00	9.771E+02	-7.097E+03	2.097E-01
358	1	28152.24	125.95	55.05	1	-1.243E-15	3.758E-17	-1.132E-15	-4.275E+03	-9.327E+03	1.932E+03	6.981E-16	-1.903E-15	1.571E+00	-3.621E+03	-9.981E+03	3.265E-01
358	2	28179.40	136.45	55.05	1	-4.308E-15	6.687E-16	3.048E-31	-7.570E+03	-7.255E+03	6.472E+02	6.687E-16	-4.308E-15	1.571E+00	-6.746E+03	-8.079E+03	9.047E-01
358	3	28152.24	146.95	55.05	1	1.338E-15	-2.979E-15	-5.287E-31	-4.072E+03	-2.891E+03	1.442E+03	1.338E-15	-2.979E-15	0.000E+00	-1.923E+03	-5.040E+03	9.796E-01
358	4	28125.07	136.45	55.05	1	-1.716E-15	2.509E-15	-2.587E-31	-7.783E+02	-7.204E+03	2.029E+03	2.509E-15	-1.716E-15	1.571E+00	-1.913E+02	-7.791E+03	2.816E-01
359	1	28233.74	125.95	55.05	1	-5.034E-16	-8.104E-15	-5.424E-15	-4.275E+03	-9.327E+03	-1.932E+03	2.319E-15	-1.093E-14	0.000E+00	-3.621E+03	-9.981E+03	-3.265E-01
359	2	28260.90	136.45	55.05	1	-1.943E-14	4.176E-15	1.445E-30	-7.783E+02	-7.204E+03	-2.029E+03	4.176E-15	-1.943E-14	1.571E+00	-1.913E+02	-7.791E+03	-2.816E-01
359	3	28233.74	146.95	55.05	1	3.400E-15	-1.262E-14	-1.961E-30	-4.072E+03	-2.891E+03	-1.442E+03	3.400E-15	-1.262E-14	0.000E+00	-1.923E+03	-5.040E+03	2.162E+00
359	4	28206.57	136.45	55.05	1	-6.891E-15	4.318E-15	-6.863E-31	-7.570E+03	-7.255E+03	6.472E+02	4.318E-15	-6.891E-15	1.571E+00	-6.746E+03	-8.079E+03	9.047E-01
360	1	28288.74	125.95	55.05	1	-2.691E-15	9.508E-15	-3.587E-15	1.814E+03	-1.237E+04	-2.624E+02	1.048E-14	-3.668E-15	1.571E+00	1.819E+03	-1.237E+04	-1.849E-02
360	2	28298.24	136.45	55.05	1	-4.845E-15	3.081E-14	2.183E-30	6.274E+02	-6.747E+03	-1.644E+03	3.081E-14	-4.845E-15	1.571E+00	9.771E+02	-7.097E+03	-2.097E-01
360	3	28288.74	146.95	55.05	1	2.199E-14	-3.929E-15	-3.174E-30	2.125E+03	5.785E+02	-8.719E+02	2.199E-14	-3.929E-15	0.000E+00	2.517E+03	1.863E+02	-4.227E-01
360	4	28279.24	136.45	55.05	1	-1.317E-14	1.209E-14	-1.547E-30	3.770E+03	-5.393E+03	-1.106E+03	1.209E-14	-1.317E-14	1.571E+00	3.901E+03	-5.525E+03	-1.184E-01
361	1	28097.24	157.45	55.05	1	2.429E-16	1.170E-15	1.023E-15	2.833E+03	2.418E+03	1.455E+03	1.830E-15	-4.168E-16	1.571E+00	4.095E+03	1.156E+03	7.145E-01
361	2	28106.74	167.95	55.05	1	-9.292E-16	1.090E-15	1.236E-31	3.870E+03	1.625E+03	8.211E+02	1.090E-15	-9.292E-16	1.571E+00	4.139E+03	1.357E+03	3.158E-01
361	3	28097.24	178.45	55.05	1	1.676E-15	-2.014E-16	-2.299E-31	1.938E+03	4.831E+02	1.094E+03	1.676E-15	-2.014E-16	0.000E+00	2.524E+03	-1.028E+02	4.918E-01
361	4	28087.74	167.95	55.05	1	1.449E-16	2.582E-15	-1.492E-31	3.280E+02	1.712E+03	1.183E+03	2.582E-15	1.449E-16	1.571E+00	2.390E+03	-3.503E+02	1.050E+00
362	1	28152.24	157.45	55.05	1	-1.324E-15	4.878E-15	1.697E-15	-3.685E+03	-7.317E+02	1.111E+03	5.312E-15	-1.758E-15	1.571E+00	-3.606E+02	-4.056E+03	1.248E+00
362	2	28179.40	167.95	55.05	1	-1.215E-15	9.619E-15	6.634E-31	-8.079E+03	-1.185E+03	1.484E+02	9.619E-15	-1.215E-15	1.571E+00	-1.182E+03	-8.083E+03	1.549E+00
362	3	28152.24	178.45	55.05	1	4.520E-15	1.207E-15	-4.057E-31	-3.758E+03	-2.748E+02	2.596E+02	4.520E-15	1.207E-15	0.000E+00	-2.555E+02	-3.777E+03	1.497E+00
362	4	28125.07	167.95	55.05	1	-6.161E-16	1.493E-15	-1.291E-31	6.358E+02	-1.743E+02	3.999E+02	1.493E-15	-6.161E-16	1.571E+00	8.000E+02	-3.384E+02	3.895E-01
363	1	28233.74	157.45	55.05	1	-3.252E-15	-1.890E-14	-9.511E-15	-3.685E+03	-7.317E+02	-1.111E+03	1.239E-15	-2.339E-14	0.000E+00	-3.606E+02	-4.056E+03	1.893E+00
363	2	28260.90	167.95	55.05	1	-5.038E-14	1.663E-15	3.187E-30	6.358E+02	-1.743E+02	-3.999E+02	1.663E-15	-5.038E-14	1.571E+00	8.000E+02	-3.384E+02	-3.895E-01
363	3	28233.74	178.45	55.05	1	6.850E-16	-2.752E-14	-3.454E-30	-3.758E+03	-2.748E+02	-2.596E+02	6.850E-16	-2.752E-14	0.000E+00	-2.555E+02	-3.777E+03	1.645E+00
363	4	28206.57	167.95	55.05	1	-9.705E-15	9.436E-15	-1.172E-30	-8.079E+03	-1.185E+03	1.484E+02	9.436E-15	-9.705E-15	1.571E+00	-1.182E+03	-8.083E+03	1.549E+00
364	1	28288.74	157.45	55.05	1	8.759E-15	-1.666E-14	1.296E-14	2.833E+03	2.418E+03	-1.455E+03	1.420E-14	-2.211E-14	0.000E+00	4.095E+03	1.156E+03	-7.145E-01
364	2	28298.24	167.95	55.05	1	-1.759E-14	2.774E-14	2.775E-30	3.280E+02	1.712E+03	-1.183E+03	2.774E-14	-1.759E-14	1.571E+00	2.390E+03	-3.503E+02	2.092E+00
364	3	28288.74	178.45	55.05	1	3.540E-14	-3.197E-14	-8.250E-30	1.938E+03	4.831E+02	-1.094E+03	3.540E-14	-3.197E-14	0.000E+00	2.524E+03	-1.028E+02	-4.918E-01
364	4	28279.24	167.95	55.05	1	-4.246E-14	2.784E-14	-4.304E-30	3.870E+03	1.625E+03	-8.211E+02	2.784E-14	-4.246E-14	1.571E+00	4.139E+03	1.357E+03	-3.158E-01
365	1	30650.74	-167.95	57.60	1	-9.265E-01	9.882E-03	-4.923E-01	1.803E+03	3.995E+02	1.165E+03	2.211E-01	-1.138E+00	1.976E+00	2.461E+03	-2.591E+02	5.144E-01
365	2	30660.24	-178.45	57.60	1	-2.606E-02	-7.897E-01	-3.696E-01	4.228E+02	1.744E+03	1.057E+03	1.235E-01	-9.393E-01	-3.846E-01	2.330E+03	-1.630E+02	1.065E+00
365	3	30669.74	-167.95	57.60	1	5.960E-01	-4.400E-01	-7.442E-01	1.375E+03	3.538E+03	7.538E+02	9.847E-01	-8.287E-01	-4.813E-01	3.775E+03	1.139E+03	1.266E+00
365	4	30660.24	-157.45	57.60	1	-3.044E-01	3.595E-01	-8.669E-01	2.344E+03	2.734E+03	1.605E+03	9.558E-01	-9.007E-01	2.173E+00	4.156E+03	9.215E+02	8.458E-01
366	1	30688.07	-167.95	57.60	1	7.267E-01	4.310E-01	5.433E-01	-3.557E+02	3.879E+02	3.063E+02	1.142E+00	1.578E-02	6.526E-01	4.978E+02	-4.656E+02	1.226E+00
366	2	30715.24	-178.45	57.60	1	-9.345E-03	5.863E-01	7.146E-01	-2.367E+02	-3.753E+03	1.289E+02	1.063E+00	-4.857E-01	9.828E-01	-2.320E+02	-3.758E+03	3.661E-02
366	3	30742.40	-167.95	57.60	1	-6.130E-01	4.304E-01	8.857E-01	-9.389E+02	-7.847E+03	9.410E+01	9.366E-01	-1.119E+00	1.052E+00	-9.376E+02	-7.848E+03	1.362E-02
366	4	30715.24	-157.45	57.60	1	1.230E-01	2.751E-01	7.144E-01	-7.141E+02	-3.706E+03	8.456E+02	9.175E-01	-5.194E-01	8.384E-01	-4.916E+02	-3.928E+03	2.573E-01



367	1	30769.57	-167.95	57.60	1	-6.136E-01	4.265E-01	-8.854E-01	-9.411E+02	-7.846E+03	7.624E+01	9.333E-01	-1.120E+00	2.091E+00	-9.402E+02	-7.847E+03	1.104E-02
367	2	30796.74	-178.45	57.60	1	-2.990E-03	5.775E-01	-7.199E-01	-2.420E+02	-3.761E+03	-1.123E+02	1.063E+00	-4.889E-01	2.165E+00	-2.385E+02	-3.765E+03	-3.187E-02
367	3	30823.90	-167.95	57.60	1	7.357E-01	4.272E-01	-5.541E-01	-3.676E+02	3.742E+02	-2.947E+02	1.157E+00	6.296E-03	-6.496E-01	4.770E+02	-4.704E+02	1.907E+00
367	4	30796.74	-157.45	57.60	1	1.251E-01	2.762E-01	-7.196E-01	-7.207E+02	-3.710E+03	-8.256E+02	9.242E-01	-5.229E-01	2.304E+00	-5.078E+02	-3.923E+03	-2.523E-01
368	1	30842.24	-167.95	57.60	1	6.040E-01	-4.507E-01	7.617E-01	1.361E+03	3.517E+03	-7.445E+02	1.003E+00	-8.498E-01	4.826E-01	3.749E+03	1.129E+03	1.873E+00
368	2	30851.74	-178.45	57.60	1	-2.973E-02	-8.080E-01	3.798E-01	4.202E+02	1.729E+03	-1.053E+03	1.249E-01	-9.626E-01	3.866E-01	2.314E+03	-1.651E+02	2.078E+00
368	3	30861.24	-167.95	57.60	1	-9.477E-01	7.869E-03	5.046E-01	1.803E+03	4.017E+02	-1.161E+03	2.250E-01	-1.165E+00	1.164E+00	2.458E+03	-2.539E+02	-5.140E-01
368	4	30851.74	-157.45	57.60	1	-3.139E-01	3.652E-01	8.866E-01	2.334E+03	2.728E+03	-1.609E+03	9.750E-01	-9.237E-01	9.683E-01	4.151E+03	9.102E+02	2.295E+00
369	1	30660.24	-146.95	57.60	1	2.355E-02	-2.544E+00	7.790E-01	2.218E+03	1.587E+03	-1.018E+03	2.414E-01	-2.762E+00	2.727E-01	2.968E+03	8.370E+02	-6.352E-01
369	2	30669.74	-136.45	57.60	1	2.789E-01	-3.505E+00	4.563E-01	3.982E+03	-4.154E+03	-1.040E+03	3.332E-01	-3.559E+00	1.183E-01	4.113E+03	-4.284E+03	-1.252E-01
369	3	30660.24	-125.95	57.60	1	-3.764E-02	-2.529E+00	1.469E-01	1.963E+03	-1.135E+04	-2.167E+02	-2.901E-02	-2.538E+00	5.868E-02	1.967E+03	-1.136E+04	-1.627E-02
369	4	30650.74	-136.45	57.60	1	-2.930E-01	-1.569E+00	4.697E-01	5.044E+02	-5.846E+03	-1.607E+03	-1.388E-01	-1.723E+00	3.173E-01	8.877E+02	-6.229E+03	-2.342E-01
370	1	30715.24	-146.95	57.60	1	-3.055E-03	-1.731E+00	-6.655E-01	-3.982E+03	-2.165E+03	-1.209E+03	2.235E-01	-1.958E+00	-3.282E-01	-1.561E+03	-4.586E+03	2.034E+00
370	2	30742.40	-136.45	57.60	1	-3.109E-02	1.137E-01	-6.976E-01	-7.575E+03	-6.838E+03	-6.203E+02	7.427E-01	-6.601E-01	2.305E+00	-6.485E+03	-7.928E+03	2.088E+00
370	3	30715.24	-125.95	57.60	1	-6.083E-02	-1.707E+00	-6.662E-01	-4.207E+03	-8.635E+03	-1.905E+03	1.750E-01	-1.942E+00	-3.403E-01	-3.500E+03	-9.342E+03	-3.553E-01
370	4	30688.07	-136.45	57.60	1	-3.280E-02	-3.551E+00	-6.341E-01	-6.153E+02	-5.963E+03	-1.973E+03	7.798E-02	-3.662E+00	-1.730E-01	3.410E+01	-6.612E+03	-3.179E-01
371	1	30796.74	-146.95	57.60	1	-8.099E-03	-1.770E+00	6.711E-01	-3.982E+03	-2.144E+03	1.192E+03	2.184E-01	-1.997E+00	3.255E-01	-1.558E+03	-4.568E+03	1.114E+00
371	2	30823.90	-136.45	57.60	1	-3.598E-02	-3.631E+00	6.417E-01	-6.104E+02	-5.915E+03	1.966E+03	7.514E-02	-3.742E+00	1.715E-01	3.879E+01	-6.565E+03	3.189E-01
371	3	30796.74	-125.95	57.60	1	-6.213E-02	-1.747E+00	6.718E-01	-4.204E+03	-8.614E+03	1.899E+03	1.729E-01	-1.982E+00	3.365E-01	-3.499E+03	-9.319E+03	3.555E-01
371	4	30769.57	-136.45	57.60	1	-3.424E-02	1.132E-01	7.012E-01	-7.578E+03	-6.837E+03	-6.076E+02	7.445E-01	-6.656E-01	8.378E-01	-6.495E+03	-7.919E+03	2.082E+00
372	1	30851.74	-146.95	57.60	1	2.137E-02	-2.606E+00	-8.005E-01	2.220E+03	1.628E+03	1.020E+03	2.460E-01	-2.831E+00	-2.736E-01	2.987E+03	8.616E+02	6.441E-01
372	2	30861.24	-136.45	57.60	1	-2.993E-01	-1.615E+00	-4.855E-01	4.998E+02	-5.811E+03	1.601E+03	-1.395E-01	-1.774E+00	-3.180E-01	8.828E+02	-6.194E+03	2.348E-01
372	3	30851.74	-125.95	57.60	1	-3.820E-02	-2.592E+00	-1.575E-01	1.971E+03	-1.132E+04	2.121E+02	-2.853E-02	-2.601E+00	-6.137E-02	1.974E+03	-1.132E+04	1.596E-02
372	4	30842.24	-136.45	57.60	1	2.825E-01	-3.583E+00	-4.725E-01	3.991E+03	-4.105E+03	1.032E+03	3.394E-01	-3.640E+00	-1.199E-01	4.120E+03	-4.235E+03	1.248E-01
373	1	30650.74	-60.35	57.60	1	-1.544E+00	4.919E-02	-3.743E-03	-3.801E+04	-4.837E+02	-2.769E+03	4.920E-02	-1.544E+00	1.573E+00	-2.805E+02	-3.821E+04	1.644E+00
373	2	30660.24	-100.58	57.60	1	-1.515E+00	1.145E-01	3.841E-02	-2.452E+04	-3.633E+03	9.447E+01	1.154E-01	-1.516E+00	1.547E+00	-3.633E+03	-2.452E+04	1.566E+00
373	3	30669.74	-60.35	57.60	1	-1.498E+00	2.857E-02	-6.749E-03	-3.794E+04	-1.330E+03	8.193E+02	2.860E-02	-1.498E+00	1.575E+00	-1.312E+03	-3.796E+04	1.548E+00
373	4	30660.24	-20.12	57.60	1	-1.528E+00	-3.676E-02	-4.890E-02	-5.153E+04	7.643E+02	4.954E+02	-3.516E-02	-1.529E+00	1.604E+00	7.690E+02	-5.153E+04	1.561E+00
374	1	30688.07	-60.35	57.60	1	-1.498E+00	2.987E-02	1.622E-01	-3.889E+04	-3.718E+03	1.320E+03	4.691E-02	-1.515E+00	1.466E+00	-3.668E+03	-3.894E+04	1.533E+00
374	2	30715.24	-100.58	57.60	1	-1.232E+00	1.038E-02	3.182E-01	-1.883E+04	-1.518E+04	2.031E+03	8.716E-02	-1.309E+00	1.334E+00	-1.427E+04	-1.973E+04	1.152E+00
374	3	30742.40	-60.35	57.60	1	-9.406E-01	-1.695E-01	1.790E-01	-3.722E+04	-2.010E+04	1.327E+03	-1.300E-01	-9.801E-01	1.354E+00	-1.999E+04	-3.732E+04	1.494E+00
374	4	30715.24	-20.12	57.60	1	-1.207E+00	-1.500E-01	2.298E-02	-5.483E+04	-1.609E+04	1.769E+03	-1.495E-01	-1.208E+00	1.549E+00	-1.601E+04	-5.491E+04	1.525E+00
375	1	30769.57	-60.35	57.60	1	-9.414E-01	-1.749E-01	-1.803E-01	-3.722E+04	-2.010E+04	1.332E+03	-1.346E-01	-9.817E-01	1.791E+00	-2.000E+04	-3.732E+04	1.494E+00
375	2	30796.74	-100.58	57.60	1	-1.251E+00	1.230E-02	-3.293E-01	-1.882E+04	-1.518E+04	-2.019E+03	9.297E-02	-1.332E+00	1.811E+00	-1.428E+04	-1.972E+04	1.989E+00
375	3	30823.90	-60.35	57.60	1	-1.536E+00	3.771E-02	-1.634E-01	-3.887E+04	-3.712E+03	-1.323E+03	5.451E-02	-1.553E+00	1.673E+00	-3.662E+03	-3.892E+04	1.608E+00
375	4	30796.74	-20.12	57.60	1	-1.226E+00	-1.494E-01	-1.447E-02	-5.482E+04	-1.609E+04	-1.769E+03	-1.493E-01	-1.226E+00	1.584E+00	-1.601E+04	-5.490E+04	1.616E+00
376	1	30842.24	-60.35	57.60	1	-1.537E+00	2.811E-02	1.041E-02	-3.793E+04	-1.331E+03	-8.153E+02	2.818E-02	-1.538E+00	1.564E+00	-1.312E+03	-3.795E+04	1.593E+00
376	2	30851.74	-100.58	57.60	1	-1.558E+00	1.168E-01	-4.244E-02	-2.450E+04	-3.633E+03	-9.373E+01	1.179E-01	-1.559E+00	1.596E+00	-3.633E+03	-2.450E+04	1.575E+00
376	3	30861.24	-60.35	57.60	1	-1.591E+00	5.235E-02	7.367E-03	-3.800E+04	-4.803E+02	2.775E+03	5.238E-02	-1.591E+00	1.566E+00	-2.762E+02	-3.820E+04	1.497E+00
376	4	30851.74	-20.12	57.60	1	-1.571E+00	-3.639E-02	6.022E-02	-5.152E+04	7.676E+02	4.969E+02	-3.403E-02	-1.573E+00	1.532E+00	7.723E+02	-5.153E+04	1.561E+00
377	1	30650.74	60.35	57.60	1	-1.544E+00	4.919E-02	3.743E-03	-3.801E+04	-4.837E+02	2.769E+03	4.920E-02	-1.544E+00	1.568E+00	-2.805E+02	-3.821E+04	1.498E+00
377	2	30660.24	20.12	57.60	1	-1.528E+00	-3.676E-02	4.890E-02	-5.153E+04	7.643E+02	4.954E+02	-3.516E-02	-1.529E+00	1.538E+00	7.690E+02	-5.153E+04	1.561E+00
377	3	30669.74	60.35	57.60	1	-1.498E+00	2.857E-02	6.749E-03	-3.794E+04	-1.330E+03	-8.193E+02	2.860E-02	-1.498E+00	1.566E+00	-1.312E+03	-3.796E+04	1.593E+00

377	4	30660.24	100.58	57.60	1	-1.515E+00	1.145E-01	-3.841E-02	-2.452E+04	-3.633E+03	-9.447E+01	1.154E-01	-1.516E+00	1.594E+00	-3.633E+03	-2.452E+04	1.575E+00
378	1	30688.07	60.35	57.60	1	-1.498E+00	2.987E-02	-1.622E-01	-3.889E+04	-3.718E+03	-1.320E+03	4.691E-02	-1.515E+00	1.675E+00	-3.668E+03	-3.894E+04	1.608E+00
378	2	30715.24	20.12	57.60	1	-1.207E+00	-1.500E-01	-2.298E-02	-5.483E+04	-1.609E+04	1.769E+03	-1.495E-01	-1.208E+00	1.593E+00	-1.601E+04	-5.491E+04	1.525E+00
378	3	30742.40	60.35	57.60	1	-9.406E-01	-1.695E-01	-1.790E-01	-3.722E+04	-2.010E+04	-1.327E+03	-1.300E-01	-9.801E-01	1.788E+00	-1.999E+04	-3.732E+04	1.648E+00
378	4	30715.24	100.58	57.60	1	-1.232E+00	1.038E-02	-3.182E-01	-1.883E+04	-1.518E+04	-2.031E+03	8.716E-02	-1.309E+00	1.808E+00	-1.427E+04	-1.973E+04	1.990E+00
379	1	30769.57	60.35	57.60	1	-9.414E-01	-1.749E-01	1.803E-01	-3.722E+04	-2.010E+04	-1.332E+03	-1.346E-01	-9.817E-01	1.351E+00	-2.000E+04	-3.732E+04	1.648E+00
379	2	30796.74	20.12	57.60	1	-1.226E+00	-1.494E-01	1.447E-02	-5.482E+04	-1.609E+04	-1.769E+03	-1.493E-01	-1.226E+00	1.557E+00	-1.601E+04	-5.490E+04	1.616E+00
379	3	30823.90	60.35	57.60	1	-1.536E+00	3.771E-02	1.634E-01	-3.887E+04	-3.712E+03	1.323E+03	5.451E-02	-1.553E+00	1.468E+00	-3.662E+03	-3.892E+04	1.533E+00
379	4	30796.74	100.58	57.60	1	-1.251E+00	1.230E-02	3.293E-01	-1.882E+04	-1.518E+04	2.019E+03	9.297E-02	-1.332E+00	1.331E+00	-1.428E+04	-1.972E+04	1.152E+00
380	1	30842.24	60.35	57.60	1	-1.537E+00	2.811E-02	-1.041E-02	-3.793E+04	-1.331E+03	8.153E+02	2.818E-02	-1.538E+00	1.577E+00	-1.312E+03	-3.795E+04	1.549E+00
380	2	30851.74	20.12	57.60	1	-1.571E+00	-3.639E-02	-6.022E-02	-5.152E+04	7.676E+02	4.969E+02	-3.403E-02	-1.573E+00	1.610E+00	7.723E+02	-5.153E+04	1.561E+00
380	3	30861.24	60.35	57.60	1	-1.591E+00	5.235E-02	-7.367E-03	-3.800E+04	-4.803E+02	-2.775E+03	5.238E-02	-1.591E+00	1.575E+00	-2.762E+02	-3.820E+04	1.644E+00
380	4	30851.74	100.58	57.60	1	-1.558E+00	1.168E-01	4.244E-02	-2.450E+04	-3.633E+03	9.373E+01	1.179E-01	-1.559E+00	1.545E+00	-3.633E+03	-2.450E+04	1.566E+00
381	1	30660.24	125.95	57.60	1	-3.764E-02	-2.529E+00	-1.469E-01	1.963E+03	-1.135E+04	2.167E+02	-2.901E-02	-2.538E+00	-5.868E-02	1.967E+03	-1.136E+04	1.627E-02
381	2	30669.74	136.45	57.60	1	2.789E-01	-3.505E+00	-4.563E-01	3.982E+03	-4.154E+03	1.040E+03	3.332E-01	-3.559E+00	-1.183E-01	4.113E+03	-4.284E+03	1.252E-01
381	3	30660.24	146.95	57.60	1	2.355E-02	-2.544E+00	-7.790E-01	2.218E+03	1.587E+03	1.018E+03	2.414E-01	-2.762E+00	-2.727E-01	2.968E+03	8.370E+02	6.352E-01
381	4	30650.74	136.45	57.60	1	-2.930E-01	-1.569E+00	-4.697E-01	5.044E+02	-5.846E+03	1.607E+03	-1.388E-01	-1.723E+00	-3.173E-01	8.877E+02	-6.229E+03	2.342E-01
382	1	30715.24	125.95	57.60	1	-6.083E-02	-1.707E+00	6.662E-01	-4.207E+03	-8.635E+03	1.905E+03	1.750E-01	-1.942E+00	3.403E-01	-3.500E+03	-9.342E+03	3.553E-01
382	2	30742.40	136.45	57.60	1	-3.109E-02	1.137E-01	6.976E-01	-7.575E+03	-6.838E+03	6.203E+02	7.427E-01	-6.601E-01	8.371E-01	-6.485E+03	-7.928E+03	1.054E+00
382	3	30715.24	146.95	57.60	1	-3.055E-03	-1.731E+00	6.655E-01	-3.982E+03	-2.165E+03	1.209E+03	2.235E-01	-1.958E+00	3.282E-01	-1.561E+03	-4.586E+03	1.108E+00
382	4	30688.07	136.45	57.60	1	-3.280E-02	-3.551E+00	6.341E-01	-6.153E+02	-5.963E+03	1.973E+03	7.798E-02	-3.662E+00	1.730E-01	3.410E+01	-6.612E+03	3.179E-01
383	1	30796.74	125.95	57.60	1	-6.213E-02	-1.747E+00	-6.718E-01	-4.204E+03	-8.614E+03	-1.899E+03	1.729E-01	-1.982E+00	-3.365E-01	-3.499E+03	-9.319E+03	-3.555E-01
383	2	30823.90	136.45	57.60	1	-3.598E-02	-3.631E+00	-6.417E-01	-6.104E+02	-5.915E+03	-1.966E+03	7.514E-02	-3.742E+00	-1.715E-01	3.879E+01	-6.565E+03	-3.189E-01
383	3	30796.74	146.95	57.60	1	-8.099E-03	-1.770E+00	-6.711E-01	-3.982E+03	-2.144E+03	-1.192E+03	2.184E-01	-1.997E+00	-3.255E-01	-1.558E+03	-4.568E+03	2.028E+00
383	4	30769.57	136.45	57.60	1	-3.424E-02	1.132E-01	-7.012E-01	-7.578E+03	-6.837E+03	6.076E+02	7.445E-01	-6.656E-01	2.304E+00	-6.495E+03	-7.919E+03	1.059E+00
384	1	30851.74	125.95	57.60	1	-3.820E-02	-2.592E+00	1.575E-01	1.971E+03	-1.132E+04	-2.121E+02	-2.853E-02	-2.601E+00	6.137E-02	1.974E+03	-1.132E+04	-1.596E-02
384	2	30861.24	136.45	57.60	1	-2.993E-01	-1.615E+00	4.855E-01	4.998E+02	-5.811E+03	-1.601E+03	-1.395E-01	-1.774E+00	3.180E-01	8.828E+02	-6.194E+03	-2.348E-01
384	3	30851.74	146.95	57.60	1	2.137E-02	-2.606E+00	8.005E-01	2.220E+03	1.628E+03	-1.020E+03	2.460E-01	-2.831E+00	2.736E-01	2.987E+03	8.616E+02	-6.441E-01
384	4	30842.24	136.45	57.60	1	2.825E-01	-3.583E+00	4.725E-01	3.991E+03	-4.105E+03	-1.032E+03	3.394E-01	-3.640E+00	1.199E-01	4.120E+03	-4.235E+03	-1.248E-01
385	1	30660.24	157.45	57.60	1	3.595E-01	-3.044E-01	-8.669E-01	2.734E+03	2.344E+03	1.605E+03	9.558E-01	-9.007E-01	-6.025E-01	4.156E+03	9.215E+02	7.250E-01
385	2	30669.74	167.95	57.60	1	-4.400E-01	5.960E-01	-7.442E-01	3.538E+03	1.375E+03	7.538E+02	9.847E-01	-8.287E-01	2.052E+00	3.775E+03	1.139E+03	3.044E-01
385	3	30660.24	178.45	57.60	1	-7.897E-01	-2.606E-02	-3.696E-01	1.744E+03	4.228E+02	1.057E+03	1.235E-01	-9.393E-01	1.955E+00	2.330E+03	-1.630E+02	5.061E-01
385	4	30650.74	167.95	57.60	1	9.882E-03	-9.265E-01	-4.923E-01	3.995E+02	1.803E+03	1.165E+03	2.211E-01	-1.138E+00	-4.052E-01	2.461E+03	-2.591E+02	1.056E+00
386	1	30715.24	157.45	57.60	1	2.751E-01	1.230E-01	7.144E-01	-3.706E+03	-7.141E+02	8.456E+02	9.175E-01	-5.194E-01	7.324E-01	-4.916E+02	-3.928E+03	1.314E+00
386	2	30742.40	167.95	57.60	1	4.304E-01	-6.130E-01	8.857E-01	-7.847E+03	-9.389E+02	9.410E+01	9.366E-01	-1.119E+00	5.192E-01	-9.376E+02	-7.848E+03	1.557E+00
386	3	30715.24	178.45	57.60	1	5.863E-01	-9.345E-03	7.146E-01	-3.753E+03	-2.367E+02	1.289E+02	1.063E+00	-4.857E-01	5.880E-01	-2.320E+02	-3.758E+03	1.534E+00
386	4	30688.07	167.95	57.60	1	4.310E-01	7.267E-01	5.433E-01	3.879E+02	-3.557E+02	3.063E+02	1.142E+00	1.578E-02	9.182E-01	4.978E+02	-4.656E+02	3.446E-01
387	1	30796.74	157.45	57.60	1	2.762E-01	1.251E-01	-7.196E-01	-3.710E+03	-7.207E+02	-8.256E+02	9.242E-01	-5.229E-01	-7.331E-01	-5.078E+02	-3.923E+03	1.823E+00
387	2	30823.90	167.95	57.60	1	4.272E-01	7.357E-01	-5.541E-01	3.742E+02	-3.676E+02	-2.947E+02	1.157E+00	6.296E-03	2.220E+00	4.770E+02	-4.704E+02	-3.357E-01
387	3	30796.74	178.45	57.60	1	5.775E-01	-2.990E-03	-7.199E-01	-3.761E+03	-2.420E+02	-1.123E+02	1.063E+00	-4.889E-01	-5.938E-01	-2.385E+02	-3.765E+03	1.603E+00
387	4	30769.57	167.95	57.60	1	4.265E-01	-6.136E-01	-8.854E-01	-7.846E+03	-9.411E+02	7.624E+01	9.333E-01	-1.120E+00	-5.199E-01	-9.402E+02	-7.847E+03	1.560E+00
388	1	30851.74	157.45	57.60	1	3.652E-01	-3.139E-01	8.866E-01	2.728E+03	2.334E+03	-1.609E+03	9.750E-01	-9.237E-01	6.025E-01	4.151E+03	9.102E+02	-7.245E-01
388	2	30861.24	167.95	57.60	1	7.869E-03	-9.477E-01	5.046E-01	4.017E+02	1.803E+03	-1.161E+03	2.250E-01	-1.165E+00	4.063E-01	2.458E+03	-2.539E+02	2.085E+00

388	3	30851.74	178.45	57.60	1	-8.080E-01	-2.973E-02	3.798E-01	1.729E+03	4.202E+02	-1.053E+03	1.249E-01	-9.626E-01	1.184E+00	2.314E+03	-1.651E+02	-5.073E-01
388	4	30842.24	167.95	57.60	1	-4.507E-01	6.040E-01	7.617E-01	3.517E+03	1.361E+03	-7.445E+02	1.003E+00	-8.498E-01	1.088E+00	3.749E+03	1.129E+03	-3.022E-01
389	1	33213.73	-167.95	60.15	1	-1.155E-15	-8.110E-15	3.752E-17	1.712E+03	3.280E+02	1.183E+03	-1.154E-15	-8.110E-15	0.000E+00	2.390E+03	-3.503E+02	5.208E-01
389	2	33223.23	-178.45	60.15	1	-3.115E-15	3.216E-15	3.876E-31	4.831E+02	1.938E+03	1.094E+03	3.216E-15	-3.115E-15	1.571E+00	2.524E+03	-1.028E+02	1.079E+00
389	3	33232.73	-167.95	60.15	1	8.128E-15	1.243E-15	-8.431E-31	1.625E+03	3.870E+03	8.211E+02	8.128E-15	1.243E-15	0.000E+00	4.139E+03	1.357E+03	1.255E+00
389	4	33223.23	-157.45	60.15	1	-3.060E-15	3.066E-15	-3.751E-31	2.418E+03	2.833E+03	1.455E+03	3.066E-15	-3.060E-15	1.571E+00	4.095E+03	1.156E+03	8.563E-01
390	1	33251.07	-167.95	60.15	1	-3.755E-16	-2.668E-15	-1.541E-17	-1.743E+02	6.358E+02	3.999E+02	-3.754E-16	-2.668E-15	0.000E+00	8.000E+02	-3.384E+02	1.181E+00
390	2	33278.23	-178.45	60.15	1	-3.136E-15	3.361E-15	3.978E-31	-2.748E+02	-3.758E+03	2.596E+02	3.361E-15	-3.136E-15	1.571E+00	-2.555E+02	-3.777E+03	7.398E-02
390	3	33305.40	-167.95	60.15	1	3.032E-15	3.154E-16	-3.327E-31	-1.185E+03	-8.079E+03	-1.484E+02	3.032E-15	3.154E-16	0.000E+00	-1.182E+03	-8.083E+03	-2.151E-02
390	4	33278.23	-157.45	60.15	1	-2.958E-15	3.037E-15	-3.671E-31	-7.317E+02	-3.685E+03	1.111E+03	3.037E-15	-2.958E-15	1.571E+00	-3.606E+02	-4.056E+03	3.224E-01
391	1	33332.57	-167.95	60.15	1	-4.706E-16	-2.405E-15	-1.242E-16	-1.185E+03	-8.079E+03	-1.484E+02	-4.627E-16	-2.413E-15	0.000E+00	-1.182E+03	-8.083E+03	-2.151E-02
391	2	33359.73	-178.45	60.15	1	-2.822E-15	3.247E-15	3.716E-31	-2.748E+02	-3.758E+03	-2.596E+02	3.247E-15	-2.822E-15	1.571E+00	-2.555E+02	-3.777E+03	-7.398E-02
391	3	33386.90	-167.95	60.15	1	3.272E-15	4.232E-16	-3.488E-31	-1.743E+02	6.358E+02	-3.999E+02	3.272E-15	4.232E-16	0.000E+00	8.000E+02	-3.384E+02	1.960E+00
391	4	33359.73	-157.45	60.15	1	-3.025E-15	3.420E-15	-3.947E-31	-7.317E+02	-3.685E+03	-1.111E+03	3.420E-15	-3.025E-15	1.571E+00	-3.606E+02	-4.056E+03	-3.224E-01
392	1	33405.23	-167.95	60.15	1	-1.255E-15	-7.935E-15	-1.182E-16	1.625E+03	3.870E+03	-8.211E+02	-1.253E-15	-7.937E-15	0.000E+00	4.139E+03	1.357E+03	1.887E+00
392	2	33414.73	-178.45	60.15	1	-2.937E-15	3.115E-15	3.705E-31	4.831E+02	1.938E+03	-1.094E+03	3.115E-15	-2.937E-15	1.571E+00	2.524E+03	-1.028E+02	2.063E+00
392	3	33424.23	-167.95	60.15	1	8.231E-15	1.391E-15	-8.376E-31	1.712E+03	3.280E+02	-1.183E+03	8.231E-15	1.391E-15	0.000E+00	2.390E+03	-3.503E+02	-5.208E-01
392	4	33414.73	-157.45	60.15	1	-3.158E-15	3.411E-15	-4.022E-31	2.418E+03	2.833E+03	-1.455E+03	3.411E-15	-3.158E-15	1.571E+00	4.095E+03	1.156E+03	2.285E+00
393	1	33223.23	-146.95	60.15	1	-4.040E-17	1.505E-16	-3.128E-15	2.125E+03	5.785E+02	-8.719E+02	3.184E-15	-3.074E-15	1.571E+00	2.517E+03	1.863E+02	-4.227E-01
393	2	33232.73	-136.45	60.15	1	1.428E-15	8.079E-15	4.073E-31	3.770E+03	-5.393E+03	-1.106E+03	8.079E-15	1.428E-15	1.571E+00	3.901E+03	-5.525E+03	-1.184E-01
393	3	33223.23	-125.95	60.15	1	3.232E-15	-3.084E-15	-7.734E-31	1.814E+03	-1.237E+04	-2.624E+02	3.232E-15	-3.084E-15	0.000E+00	1.819E+03	-1.237E+04	-1.849E-02
393	4	33213.73	-136.45	60.15	1	-8.110E-15	-1.140E-15	-4.268E-31	6.274E+02	-6.747E+03	-1.644E+03	-1.140E-15	-8.110E-15	1.571E+00	9.771E+02	-7.097E+03	-2.097E-01
394	1	33278.23	-146.95	60.15	1	2.000E-17	-1.185E-16	-3.356E-15	-4.072E+03	-2.891E+03	-1.442E+03	3.308E-15	-3.406E-15	0.000E+00	-1.923E+03	-5.040E+03	2.162E+00
394	2	33305.40	-136.45	60.15	1	1.097E-16	2.714E-15	1.595E-31	-7.570E+03	-7.255E+03	6.472E+02	2.714E-15	1.097E-16	1.571E+00	-6.746E+03	-8.079E+03	9.047E-01
394	3	33278.23	-125.95	60.15	1	2.709E-15	-3.091E-15	-7.102E-31	-4.275E+03	-9.327E+03	-1.932E+03	2.709E-15	-3.091E-15	0.000E+00	-3.621E+03	-9.981E+03	-3.265E-01
394	4	33251.07	-136.45	60.15	1	-3.068E-15	-2.367E-16	-1.733E-31	-7.783E+02	-7.204E+03	-2.029E+03	-2.367E-16	-3.068E-15	1.571E+00	-1.913E+02	-7.791E+03	-2.816E-01
395	1	33359.73	-146.95	60.15	1	3.846E-16	-1.599E-16	-3.107E-15	-4.072E+03	-2.891E+03	1.442E+03	3.231E-15	-3.006E-15	0.000E+00	-1.923E+03	-5.040E+03	9.796E-01
395	2	33386.90	-136.45	60.15	1	1.267E-16	3.321E-15	1.956E-31	-7.783E+02	-7.204E+03	2.029E+03	3.321E-15	1.267E-16	1.571E+00	-1.913E+02	-7.791E+03	2.816E-01
395	3	33359.73	-125.95	60.15	1	3.325E-15	-2.994E-15	-7.738E-31	-4.275E+03	-9.327E+03	1.932E+03	3.325E-15	-2.994E-15	0.000E+00	-3.621E+03	-9.981E+03	3.265E-01
395	4	33332.57	-136.45	60.15	1	-2.366E-15	-5.261E-16	-1.126E-31	-7.570E+03	-7.255E+03	6.472E+02	-5.261E-16	-2.366E-15	1.571E+00	-6.746E+03	-8.079E+03	9.047E-01
396	1	33414.73	-146.95	60.15	1	2.583E-16	4.731E-16	-2.740E-15	2.125E+03	5.785E+02	8.719E+02	3.108E-15	-2.377E-15	1.571E+00	2.517E+03	1.863E+02	4.227E-01
396	2	33424.23	-136.45	60.15	1	2.362E-15	8.255E-15	3.608E-31	6.274E+02	-6.747E+03	1.644E+03	8.255E-15	2.362E-15	1.571E+00	9.771E+02	-7.097E+03	2.097E-01
396	3	33414.73	-125.95	60.15	1	4.385E-15	-3.600E-15	-9.779E-31	1.814E+03	-1.237E+04	2.624E+02	4.385E-15	-3.600E-15	0.000E+00	1.819E+03	-1.237E+04	1.849E-02
396	4	33405.23	-136.45	60.15	1	-7.662E-15	-1.439E-15	-3.810E-31	3.770E+03	-5.393E+03	1.106E+03	-1.439E-15	-7.662E-15	1.571E+00	3.901E+03	-5.525E+03	1.184E-01
397	1	33213.73	-60.35	60.15	1	-8.946E-16	-4.040E-15	-1.214E-16	-3.885E+04	-5.046E+02	-2.746E+03	-8.899E-16	-4.045E-15	0.000E+00	-3.088E+02	-3.905E+04	1.642E+00
397	2	33223.23	-100.58	60.15	1	-5.589E-16	2.696E-16	5.073E-32	-2.539E+04	-3.665E+03	1.242E+02	2.696E-16	-5.589E-16	1.571E+00	-3.664E+03	-2.539E+04	1.565E+00
397	3	33232.73	-60.35	60.15	1	4.035E-15	4.140E-16	-4.434E-31	-3.877E+04	-1.329E+03	8.287E+02	4.035E-15	4.140E-16	0.000E+00	-1.310E+03	-3.879E+04	1.549E+00
397	4	33223.23	-20.12	60.15	1	-7.480E-16	5.513E-16	-7.956E-32	-5.233E+04	7.567E+02	4.916E+02	5.513E-16	-7.480E-16	1.571E+00	7.613E+02	-5.234E+04	1.562E+00
398	1	33251.07	-60.35	60.15	1	-3.880E-16	-1.346E-15	-2.904E-16	-3.972E+04	-3.732E+03	1.327E+03	-3.069E-16	-1.427E-15	0.000E+00	-3.683E+03	-3.977E+04	1.534E+00
398	2	33278.23	-100.58	60.15	1	-5.606E-16	3.052E-16	5.301E-32	-1.965E+04	-1.517E+04	2.026E+03	3.052E-16	-5.606E-16	1.571E+00	-1.439E+04	-2.043E+04	1.203E+00
398	3	33305.40	-60.35	60.15	1	1.584E-15	3.458E-16	-1.516E-31	-3.802E+04	-1.997E+04	-1.343E+03	1.584E-15	3.458E-16	0.000E+00	-1.987E+04	-3.812E+04	1.645E+00
398	4	33278.23	-20.12	60.15	1	-7.228E-16	1.174E-15	-1.161E-31	-5.562E+04	-1.607E+04	-2.775E+02	1.174E-15	-7.228E-16	1.571E+00	-1.607E+04	-5.562E+04	1.578E+00
399	1	33332.57	-60.35	60.15	1	-6.725E-17	-3.587E-15	-7.979E-17	-3.802E+04	-1.997E+04	-1.343E+03	-6.544E-17	-3.589E-15	0.000E+00	-1.987E+04	-3.812E+04	1.645E+00

399	2	33359.73	-100.58	60.15	1	-6.544E-16	7.897E-16	8.842E-32	-1.965E+04	-1.517E+04	-2.026E+03	7.897E-16	-6.544E-16	1.571E+00	-1.439E+04	-2.043E+04	1.939E+00
399	3	33386.90	-60.35	60.15	1	3.991E-16	-9.754E-16	-1.683E-31	-3.972E+04	-3.732E+03	-1.327E+03	3.991E-16	-9.754E-16	0.000E+00	-3.683E+03	-3.977E+04	1.608E+00
399	4	33359.73	-20.12	60.15	1	-4.822E-15	4.554E-16	-3.231E-31	-5.562E+04	-1.607E+04	-1.780E+03	4.554E-16	-4.822E-15	1.571E+00	-1.599E+04	-5.570E+04	1.616E+00
400	1	33405.23	-60.35	60.15	1	-5.721E-16	-4.937E-15	5.303E-16	-3.877E+04	-1.329E+03	-8.287E+02	-5.086E-16	-5.001E-15	0.000E+00	-1.310E+03	-3.879E+04	1.593E+00
400	2	33414.73	-100.58	60.15	1	-4.912E-16	6.702E-16	7.111E-32	-2.539E+04	-3.665E+03	-1.242E+02	6.702E-16	-4.912E-16	1.571E+00	-3.664E+03	-2.539E+04	1.577E+00
400	3	33424.23	-60.35	60.15	1	3.495E-15	1.118E-16	-4.143E-31	-3.885E+04	-5.046E+02	2.746E+03	3.495E-15	1.118E-16	0.000E+00	-3.088E+02	-3.905E+04	1.500E+00
400	4	33414.73	-20.12	60.15	1	-2.117E-15	3.476E-17	-1.317E-31	-5.233E+04	7.567E+02	-4.916E+02	3.476E-17	-2.117E-15	1.571E+00	7.613E+02	-5.234E+04	1.580E+00
401	1	33213.73	60.35	60.15	1	1.462E-16	4.127E-15	6.428E-17	-3.885E+04	-5.046E+02	2.746E+03	4.128E-15	1.451E-16	1.571E+00	-3.088E+02	-3.905E+04	1.500E+00
401	2	33223.23	20.12	60.15	1	-5.399E-16	1.532E-16	4.244E-32	-5.233E+04	7.567E+02	4.916E+02	1.532E-16	-5.399E-16	1.571E+00	7.613E+02	-5.234E+04	1.562E+00
401	3	33232.73	60.35	60.15	1	-9.354E-16	-4.050E-15	-3.814E-31	-3.877E+04	-1.329E+03	-8.287E+02	-9.354E-16	-4.050E-15	0.000E+00	-1.310E+03	-3.879E+04	1.593E+00
401	4	33223.23	100.58	60.15	1	-6.308E-16	3.057E-16	-5.734E-32	-2.539E+04	-3.665E+03	-1.242E+02	3.057E-16	-6.308E-16	1.571E+00	-3.664E+03	-2.539E+04	1.577E+00
402	1	33251.07	60.35	60.15	1	-1.106E-16	1.492E-15	1.083E-16	-3.972E+04	-3.732E+03	-1.327E+03	1.500E-15	-1.178E-16	1.571E+00	-3.683E+03	-3.977E+04	1.608E+00
402	2	33278.23	20.12	60.15	1	-6.692E-16	4.906E-16	7.101E-32	-5.562E+04	-1.607E+04	-2.775E+02	4.906E-16	-6.692E-16	1.571E+00	-1.607E+04	-5.562E+04	1.578E+00
402	3	33305.40	60.35	60.15	1	-2.656E-16	-1.775E-15	-1.849E-31	-3.802E+04	-1.997E+04	-1.343E+03	-2.656E-16	-1.775E-15	0.000E+00	-1.987E+04	-3.812E+04	1.645E+00
402	4	33278.23	100.58	60.15	1	-1.065E-15	5.840E-16	-1.009E-31	-1.965E+04	-1.517E+04	-2.026E+03	5.840E-16	-1.065E-15	1.571E+00	-1.439E+04	-2.043E+04	1.939E+00
403	1	33332.57	60.35	60.15	1	-7.879E-16	-1.273E-15	-2.890E-16	-3.802E+04	-1.997E+04	-1.343E+03	-6.532E-16	-1.408E-15	0.000E+00	-1.987E+04	-3.812E+04	1.645E+00
403	2	33359.73	20.12	60.15	1	-5.137E-15	-2.536E-16	2.990E-31	-5.562E+04	-1.607E+04	-1.780E+03	-2.536E-16	-5.137E-15	1.571E+00	-1.599E+04	-5.570E+04	1.616E+00
403	3	33386.90	60.35	60.15	1	-4.428E-16	-4.636E-15	-5.135E-31	-3.972E+04	-3.732E+03	1.327E+03	-4.428E-16	-4.636E-15	0.000E+00	-3.683E+03	-3.977E+04	1.534E+00
403	4	33359.73	100.58	60.15	1	-2.498E-15	7.482E-16	-1.987E-31	-1.965E+04	-1.517E+04	2.026E+03	7.482E-16	-2.498E-15	1.571E+00	-1.439E+04	-2.043E+04	1.203E+00
404	1	33405.23	60.35	60.15	1	-2.693E-16	-4.992E-16	3.677E-16	-3.877E+04	-1.329E+03	8.287E+02	1.011E-18	-7.695E-16	0.000E+00	-1.310E+03	-3.879E+04	1.549E+00
404	2	33414.73	20.12	60.15	1	-3.587E-15	1.511E-16	2.289E-31	-5.233E+04	7.567E+02	-4.916E+02	1.511E-16	-3.587E-15	1.571E+00	7.613E+02	-5.234E+04	1.580E+00
404	3	33424.23	60.35	60.15	1	-2.373E-15	-8.532E-15	-7.542E-31	-3.885E+04	-5.046E+02	-2.746E+03	-2.373E-15	-8.532E-15	0.000E+00	-3.088E+02	-3.905E+04	1.642E+00
404	4	33414.73	100.58	60.15	1	-7.722E-15	-5.147E-16	-4.413E-31	-2.539E+04	-3.665E+03	1.242E+02	-5.147E-16	-7.722E-15	1.571E+00	-3.664E+03	-2.539E+04	1.565E+00
405	1	33223.23	125.95	60.15	1	2.747E-16	9.702E-16	3.108E-15	1.814E+03	-1.237E+04	2.624E+02	3.750E-15	-2.505E-15	1.571E+00	1.819E+03	-1.237E+04	1.849E-02
405	2	33232.73	136.45	60.15	1	-7.707E-15	-1.017E-15	4.096E-31	3.770E+03	-5.393E+03	1.106E+03	-1.017E-15	-7.707E-15	1.571E+00	3.901E+03	-5.525E+03	1.184E-01
405	3	33223.23	146.95	60.15	1	4.251E-15	-3.134E-15	-9.044E-31	2.125E+03	5.785E+02	8.719E+02	4.251E-15	-3.134E-15	0.000E+00	2.517E+03	1.863E+02	4.227E-01
405	4	33213.73	136.45	60.15	1	2.998E-15	8.089E-15	-3.117E-31	6.274E+02	-6.747E+03	1.644E+03	8.089E-15	2.998E-15	1.571E+00	9.771E+02	-7.097E+03	2.097E-01
406	1	33278.23	125.95	60.15	1	-3.681E-16	-2.471E-15	2.776E-15	-4.275E+03	-9.327E+03	1.932E+03	1.549E-15	-4.388E-15	0.000E+00	-3.621E+03	-9.981E+03	3.265E-01
406	2	33305.40	136.45	60.15	1	-6.156E-15	-2.472E-15	2.256E-31	-7.570E+03	-7.255E+03	6.472E+02	-2.472E-15	-6.156E-15	1.571E+00	-6.746E+03	-8.079E+03	9.047E-01
406	3	33278.23	146.95	60.15	1	2.428E-15	-5.050E-15	-9.158E-31	-4.072E+03	-2.891E+03	1.442E+03	2.428E-15	-5.050E-15	0.000E+00	-1.923E+03	-5.040E+03	9.796E-01
406	4	33251.07	136.45	60.15	1	2.648E-16	2.901E-15	-1.614E-31	-7.783E+02	-7.204E+03	2.029E+03	2.901E-15	2.648E-16	1.571E+00	-1.913E+02	-7.791E+03	2.816E-01
407	1	33359.73	125.95	60.15	1	4.888E-16	6.165E-15	4.969E-15	-4.275E+03	-9.327E+03	-1.932E+03	9.049E-15	-2.396E-15	1.571E+00	-3.621E+03	-9.981E+03	-3.265E-01
407	2	33386.90	136.45	60.15	1	-3.857E-15	1.850E-14	1.369E-30	-7.783E+02	-7.204E+03	-2.029E+03	1.850E-14	-3.857E-15	1.571E+00	-1.913E+02	-7.791E+03	-2.816E-01
407	3	33359.73	146.95	60.15	1	7.458E-15	-1.463E-15	-1.092E-30	-4.072E+03	-2.891E+03	-1.442E+03	7.458E-15	-1.463E-15	0.000E+00	-1.923E+03	-5.040E+03	2.162E+00
407	4	33332.57	136.45	60.15	1	-5.834E-15	3.837E-15	-5.922E-31	-7.570E+03	-7.255E+03	6.472E+02	3.837E-15	-5.834E-15	1.571E+00	-6.746E+03	-8.079E+03	9.047E-01
408	1	33414.73	125.95	60.15	1	-5.462E-15	4.730E-15	-7.798E-16	1.814E+03	-1.237E+04	-2.624E+02	4.790E-15	-5.521E-15	1.571E+00	1.819E+03	-1.237E+04	-1.849E-02
408	2	33424.23	136.45	60.15	1	-2.018E-14	4.314E-15	1.500E-30	6.274E+02	-6.747E+03	-1.644E+03	4.314E-15	-2.018E-14	1.571E+00	9.771E+02	-7.097E+03	-2.097E-01
408	3	33414.73	146.95	60.15	1	2.616E-14	-1.891E-14	-5.518E-30	2.125E+03	5.785E+02	-8.719E+02	2.616E-14	-1.891E-14	0.000E+00	2.517E+03	1.863E+02	-4.227E-01
408	4	33405.23	136.45	60.15	1	-1.182E-15	2.356E-14	-1.515E-30	3.770E+03	-5.393E+03	-1.106E+03	2.356E-14	-1.182E-15	1.571E+00	3.901E+03	-5.525E+03	-1.184E-01
409	1	33223.23	157.45	60.15	1	-5.953E-17	-9.610E-17	3.352E-15	2.833E+03	2.418E+03	1.455E+03	3.274E-15	-3.430E-15	0.000E+00	4.095E+03	1.156E+03	7.145E-01
409	2	33232.73	167.95	60.15	1	-7.922E-15	-2.053E-15	3.594E-31	3.870E+03	1.625E+03	8.211E+02	-2.053E-15	-7.922E-15	1.571E+00	4.139E+03	1.357E+03	3.158E-01
409	3	33223.23	178.45	60.15	1	3.317E-15	-3.420E-15	-8.250E-31	1.938E+03	4.831E+02	1.094E+03	3.317E-15	-3.420E-15	0.000E+00	2.524E+03	-1.028E+02	4.918E-01
409	4	33213.73	167.95	60.15	1	1.844E-15	7.873E-15	-3.692E-31	3.280E+02	1.712E+03	1.183E+03	7.873E-15	1.844E-15	1.571E+00	2.390E+03	-3.503E+02	1.050E+00

410	1	33278.23	157.45	60.15	1	3.644E-16	-2.583E-16	2.562E-15	-3.685E+03	-7.317E+02	1.111E+03	2.634E-15	-2.527E-15	0.000E+00	-3.606E+02	-4.056E+03	1.248E+00
410	2	33305.40	167.95	60.15	1	-4.211E-15	1.608E-15	3.563E-31	-8.079E+03	-1.185E+03	1.484E+02	1.608E-15	-4.211E-15	1.571E+00	-1.182E+03	-8.083E+03	1.549E+00
410	3	33278.23	178.45	60.15	1	3.481E-15	-4.146E-15	-9.340E-31	-3.758E+03	-2.748E+02	2.596E+02	3.481E-15	-4.146E-15	0.000E+00	-2.555E+02	-3.777E+03	1.497E+00
410	4	33251.07	167.95	60.15	1	-5.061E-16	2.550E-15	-1.871E-31	6.358E+02	-1.743E+02	3.999E+02	2.550E-15	-5.061E-16	1.571E+00	8.000E+02	-3.384E+02	3.895E-01
411	1	33359.73	157.45	60.15	1	-2.381E-15	-4.851E-15	2.724E-15	-3.685E+03	-7.317E+02	-1.111E+03	-6.248E-16	-6.607E-15	0.000E+00	-3.606E+02	-4.056E+03	1.893E+00
411	2	33386.90	167.95	60.15	1	-1.589E-14	-1.089E-16	9.664E-31	6.358E+02	-1.743E+02	-3.999E+02	-1.089E-16	-1.589E-14	1.571E+00	8.000E+02	-3.384E+02	-3.895E-01
411	3	33359.73	178.45	60.15	1	1.726E-15	-1.208E-14	-1.691E-30	-3.758E+03	-2.748E+02	-2.596E+02	1.726E-15	-1.208E-14	0.000E+00	-2.555E+02	-3.777E+03	1.645E+00
411	4	33332.57	167.95	60.15	1	-5.434E-15	3.847E-15	-5.683E-31	-8.079E+03	-1.185E+03	1.484E+02	3.847E-15	-5.434E-15	1.571E+00	-1.182E+03	-8.083E+03	1.549E+00
412	1	33414.73	157.45	60.15	1	8.048E-15	2.202E-14	-1.575E-14	2.833E+03	2.418E+03	-1.455E+03	3.227E-14	-2.196E-15	1.571E+00	4.095E+03	1.156E+03	-7.145E-01
412	2	33424.23	167.95	60.15	1	-1.325E-14	5.287E-14	4.048E-30	3.280E+02	1.712E+03	-1.183E+03	5.287E-14	-1.325E-14	1.571E+00	2.390E+03	-3.503E+02	2.092E+00
412	3	33414.73	178.45	60.15	1	2.820E-14	2.473E-15	-3.150E-30	1.938E+03	4.831E+02	-1.094E+03	2.820E-14	2.473E-15	0.000E+00	2.524E+03	-1.028E+02	-4.918E-01
412	4	33405.23	167.95	60.15	1	-7.184E-15	2.831E-14	-2.173E-30	3.870E+03	1.625E+03	-8.211E+02	2.831E-14	-7.184E-15	1.571E+00	4.139E+03	1.357E+03	-3.158E-01
413	1	35776.73	-167.95	62.70	1	-9.265E-01	9.882E-03	-4.923E-01	1.803E+03	3.995E+02	1.165E+03	2.211E-01	-1.138E+00	1.976E+00	2.461E+03	-2.591E+02	5.144E-01
413	2	35786.23	-178.45	62.70	1	-2.606E-02	-7.897E-01	-3.696E-01	4.228E+02	1.744E+03	1.057E+03	1.235E-01	-9.393E-01	-3.846E-01	2.330E+03	-1.630E+02	1.065E+00
413	3	35795.73	-167.95	62.70	1	5.960E-01	-4.400E-01	-7.442E-01	1.375E+03	3.538E+03	7.538E+02	9.847E-01	-8.287E-01	-4.813E-01	3.775E+03	1.139E+03	1.266E+00
413	4	35786.23	-157.45	62.70	1	-3.044E-01	3.595E-01	-8.669E-01	2.344E+03	2.734E+03	1.605E+03	9.558E-01	-9.007E-01	2.173E+00	4.156E+03	9.215E+02	8.458E-01
414	1	35814.07	-167.95	62.70	1	7.267E-01	4.310E-01	5.433E-01	-3.557E+02	3.879E+02	3.063E+02	1.142E+00	1.578E-02	6.526E-01	4.978E+02	-4.656E+02	1.226E+00
414	2	35841.23	-178.45	62.70	1	-9.345E-03	5.863E-01	7.146E-01	-2.367E+02	-3.753E+03	1.289E+02	1.063E+00	-4.857E-01	9.828E-01	-2.320E+02	-3.758E+03	3.661E-02
414	3	35868.40	-167.95	62.70	1	-6.130E-01	4.304E-01	8.857E-01	-9.389E+02	-7.847E+03	9.410E+01	9.366E-01	-1.119E+00	1.052E+00	-9.376E+02	-7.848E+03	1.362E-02
414	4	35841.23	-157.45	62.70	1	1.230E-01	2.751E-01	7.144E-01	-7.141E+02	-3.706E+03	8.456E+02	9.175E-01	-5.194E-01	8.384E-01	-4.916E+02	-3.928E+03	2.573E-01
415	1	35895.57	-167.95	62.70	1	-6.136E-01	4.265E-01	-8.854E-01	-9.411E+02	-7.846E+03	7.624E+01	9.333E-01	-1.120E+00	2.091E+00	-9.402E+02	-7.847E+03	1.104E-02
415	2	35922.73	-178.45	62.70	1	-2.990E-03	5.775E-01	-7.199E-01	-2.420E+02	-3.761E+03	-1.123E+02	1.063E+00	-4.889E-01	2.165E+00	-2.385E+02	-3.765E+03	-3.187E-02
415	3	35949.90	-167.95	62.70	1	7.357E-01	4.272E-01	-5.541E-01	-3.676E+02	3.742E+02	-2.947E+02	1.157E+00	6.296E-03	-6.496E-01	4.770E+02	-4.704E+02	1.907E+00
415	4	35922.73	-157.45	62.70	1	1.251E-01	2.762E-01	-7.196E-01	-7.207E+02	-3.710E+03	-8.256E+02	9.242E-01	-5.229E-01	2.304E+00	-5.078E+02	-3.923E+03	-2.523E-01
416	1	35968.23	-167.95	62.70	1	6.040E-01	-4.507E-01	7.617E-01	1.361E+03	3.517E+03	-7.445E+02	1.003E+00	-8.498E-01	4.826E-01	3.749E+03	1.129E+03	1.873E+00
416	2	35977.73	-178.45	62.70	1	-2.973E-02	-8.080E-01	3.798E-01	4.202E+02	1.729E+03	-1.053E+03	1.249E-01	-9.626E-01	3.866E-01	2.314E+03	-1.651E+02	2.078E+00
416	3	35987.23	-167.95	62.70	1	-9.477E-01	7.869E-03	5.046E-01	1.803E+03	4.017E+02	-1.161E+03	2.250E-01	-1.165E+00	1.164E+00	2.458E+03	-2.539E+02	-5.140E-01
416	4	35977.73	-157.45	62.70	1	-3.139E-01	3.652E-01	8.866E-01	2.334E+03	2.728E+03	-1.609E+03	9.750E-01	-9.237E-01	9.683E-01	4.151E+03	9.102E+02	2.295E+00
417	1	35786.23	-146.95	62.70	1	2.355E-02	-2.544E+00	7.790E-01	2.218E+03	1.587E+03	-1.018E+03	2.414E-01	-2.762E+00	2.727E-01	2.968E+03	8.370E+02	-6.352E-01
417	2	35795.73	-136.45	62.70	1	2.789E-01	-3.505E+00	4.563E-01	3.982E+03	-4.154E+03	-1.040E+03	3.332E-01	-3.559E+00	1.183E-01	4.113E+03	-4.284E+03	-1.252E-01
417	3	35786.23	-125.95	62.70	1	-3.764E-02	-2.529E+00	1.469E-01	1.963E+03	-1.135E+04	-2.167E+02	-2.901E-02	-2.538E+00	5.868E-02	1.967E+03	-1.136E+04	-1.627E-02
417	4	35776.73	-136.45	62.70	1	-2.930E-01	-1.569E+00	4.697E-01	5.044E+02	-5.846E+03	-1.607E+03	-1.388E-01	-1.723E+00	3.173E-01	8.877E+02	-6.229E+03	-2.342E-01
418	1	35841.23	-146.95	62.70	1	-3.055E-03	-1.731E+00	-6.655E-01	-3.982E+03	-2.165E+03	-1.209E+03	2.235E-01	-1.958E+00	-3.282E-01	-1.561E+03	-4.586E+03	2.034E+00
418	2	35868.40	-136.45	62.70	1	-3.109E-02	1.137E-01	-6.976E-01	-7.575E+03	-6.838E+03	-6.203E+02	7.427E-01	-6.601E-01	2.305E+00	-6.485E+03	-7.928E+03	2.088E+00
418	3	35841.23	-125.95	62.70	1	-6.083E-02	-1.707E+00	-6.662E-01	-4.207E+03	-8.635E+03	-1.905E+03	1.750E-01	-1.942E+00	-3.403E-01	-3.500E+03	-9.342E+03	-3.553E-01
418	4	35814.07	-136.45	62.70	1	-3.280E-02	-3.551E+00	-6.341E-01	-6.153E+02	-5.963E+03	-1.973E+03	7.798E-02	-3.662E+00	-1.730E-01	3.410E+01	-6.612E+03	-3.179E-01
419	1	35922.73	-146.95	62.70	1	-8.099E-03	-1.770E+00	6.711E-01	-3.982E+03	-2.144E+03	1.192E+03	2.184E-01	-1.997E+00	3.255E-01	-1.558E+03	-4.568E+03	1.114E+00
419	2	35949.90	-136.45	62.70	1	-3.598E-02	-3.631E+00	6.417E-01	-6.104E+02	-5.915E+03	1.966E+03	7.514E-02	-3.742E+00	1.715E-01	3.879E+01	-6.565E+03	3.189E-01
419	3	35922.73	-125.95	62.70	1	-6.213E-02	-1.747E+00	6.718E-01	-4.204E+03	-8.614E+03	1.899E+03	1.729E-01	-1.982E+00	3.365E-01	-3.499E+03	-9.319E+03	3.555E-01
419	4	35895.57	-136.45	62.70	1	-3.424E-02	1.132E-01	7.012E-01	-7.578E+03	-6.837E+03	-6.076E+02	7.445E-01	-6.656E-01	8.378E-01	-6.495E+03	-7.919E+03	2.082E+00
420	1	35977.73	-146.95	62.70	1	2.137E-02	-2.606E+00	-8.005E-01	2.220E+03	1.628E+03	1.020E+03	2.460E-01	-2.831E+00	-2.736E-01	2.987E+03	8.616E+02	6.441E-01
420	2	35987.23	-136.45	62.70	1	-2.993E-01	-1.615E+00	-4.855E-01	4.998E+02	-5.811E+03	1.601E+03	-1.395E-01	-1.774E+00	-3.180E-01	8.828E+02	-6.194E+03	2.348E-01
420	3	35977.73	-125.95	62.70	1	-3.820E-02	-2.592E+00	-1.575E-01	1.971E+03	-1.132E+04	2.121E+02	-2.853E-02	-2.601E+00	-6.137E-02	1.974E+03	-1.132E+04	1.596E-02

420	4	35968.23	-136.45	62.70	1	2.825E-01	-3.583E+00	-4.725E-01	3.991E+03	-4.105E+03	1.032E+03	3.394E-01	-3.640E+00	-1.199E-01	4.120E+03	-4.235E+03	1.248E-01
421	1	35776.73	-60.35	62.70	1	-1.544E+00	4.919E-02	-3.743E-03	-3.801E+04	-4.837E+02	-2.769E+03	4.920E-02	-1.544E+00	1.573E+00	-2.805E+02	-3.821E+04	1.644E+00
421	2	35786.23	-100.58	62.70	1	-1.515E+00	1.145E-01	3.841E-02	-2.452E+04	-3.633E+03	9.447E+01	1.154E-01	-1.516E+00	1.547E+00	-3.633E+03	-2.452E+04	1.566E+00
421	3	35795.73	-60.35	62.70	1	-1.498E+00	2.857E-02	-6.749E-03	-3.794E+04	-1.330E+03	8.193E+02	2.860E-02	-1.498E+00	1.575E+00	-1.312E+03	-3.796E+04	1.548E+00
421	4	35786.23	-20.12	62.70	1	-1.528E+00	-3.676E-02	-4.890E-02	-5.153E+04	7.643E+02	4.954E+02	-3.516E-02	-1.529E+00	1.604E+00	7.690E+02	-5.153E+04	1.561E+00
422	1	35814.07	-60.35	62.70	1	-1.498E+00	2.987E-02	1.622E-01	-3.889E+04	-3.718E+03	1.320E+03	4.691E-02	-1.515E+00	1.466E+00	-3.668E+03	-3.894E+04	1.533E+00
422	2	35841.23	-100.58	62.70	1	-1.232E+00	1.038E-02	3.182E-01	-1.883E+04	-1.518E+04	2.031E+03	8.716E-02	-1.309E+00	1.334E+00	-1.427E+04	-1.973E+04	1.152E+00
422	3	35868.40	-60.35	62.70	1	-9.406E-01	-1.695E-01	1.790E-01	-3.722E+04	-2.010E+04	1.327E+03	-1.300E-01	-9.801E-01	1.354E+00	-1.999E+04	-3.732E+04	1.494E+00
422	4	35841.23	-20.12	62.70	1	-1.207E+00	-1.500E-01	2.298E-02	-5.483E+04	-1.609E+04	1.769E+03	-1.495E-01	-1.208E+00	1.549E+00	-1.601E+04	-5.491E+04	1.525E+00
423	1	35895.57	-60.35	62.70	1	-9.414E-01	-1.749E-01	-1.803E-01	-3.722E+04	-2.010E+04	1.332E+03	-1.346E-01	-9.817E-01	1.791E+00	-2.000E+04	-3.732E+04	1.494E+00
423	2	35922.73	-100.58	62.70	1	-1.251E+00	1.230E-02	-3.293E-01	-1.882E+04	-1.518E+04	-2.019E+03	9.297E-02	-1.332E+00	1.811E+00	-1.428E+04	-1.972E+04	1.989E+00
423	3	35949.90	-60.35	62.70	1	-1.536E+00	3.771E-02	-1.634E-01	-3.887E+04	-3.712E+03	-1.323E+03	5.451E-02	-1.553E+00	1.673E+00	-3.662E+03	-3.892E+04	1.608E+00
423	4	35922.73	-20.12	62.70	1	-1.226E+00	-1.494E-01	-1.447E-02	-5.482E+04	-1.609E+04	1.769E+03	-1.493E-01	-1.226E+00	1.584E+00	-1.601E+04	-5.490E+04	1.525E+00
424	1	35968.23	-60.35	62.70	1	-1.537E+00	2.811E-02	1.041E-02	-3.793E+04	-1.331E+03	-8.153E+02	2.818E-02	-1.538E+00	1.564E+00	-1.312E+03	-3.795E+04	1.593E+00
424	2	35977.73	-100.58	62.70	1	-1.558E+00	1.168E-01	-4.244E-02	-2.450E+04	-3.633E+03	-9.373E+01	1.179E-01	-1.559E+00	1.596E+00	-3.633E+03	-2.450E+04	1.575E+00
424	3	35987.23	-60.35	62.70	1	-1.591E+00	5.235E-02	7.367E-03	-3.800E+04	-4.803E+02	2.775E+03	5.238E-02	-1.591E+00	1.566E+00	-2.762E+02	-3.820E+04	1.497E+00
424	4	35977.73	-20.12	62.70	1	-1.571E+00	-3.639E-02	6.022E-02	-5.152E+04	7.676E+02	4.969E+02	-3.403E-02	-1.573E+00	1.532E+00	7.723E+02	-5.153E+04	1.561E+00
425	1	35776.73	60.35	62.70	1	-1.544E+00	4.919E-02	3.743E-03	-3.801E+04	-4.837E+02	2.769E+03	4.920E-02	-1.544E+00	1.568E+00	-2.805E+02	-3.821E+04	1.498E+00
425	2	35786.23	20.12	62.70	1	-1.528E+00	-3.676E-02	4.890E-02	-5.153E+04	7.643E+02	4.954E+02	-3.516E-02	-1.529E+00	1.538E+00	7.690E+02	-5.153E+04	1.561E+00
425	3	35795.73	60.35	62.70	1	-1.498E+00	2.857E-02	6.749E-03	-3.794E+04	-1.330E+03	-8.193E+02	2.860E-02	-1.498E+00	1.566E+00	-1.312E+03	-3.796E+04	1.593E+00
425	4	35786.23	100.58	62.70	1	-1.515E+00	1.145E-01	-3.841E-02	-2.452E+04	-3.633E+03	-9.447E+01	1.154E-01	-1.516E+00	1.594E+00	-3.633E+03	-2.452E+04	1.575E+00
426	1	35814.07	60.35	62.70	1	-1.498E+00	2.987E-02	-1.622E-01	-3.889E+04	-3.718E+03	-1.320E+03	4.691E-02	-1.515E+00	1.675E+00	-3.668E+03	-3.894E+04	1.608E+00
426	2	35841.23	20.12	62.70	1	-1.207E+00	-1.500E-01	-2.298E-02	-5.483E+04	-1.609E+04	1.769E+03	-1.495E-01	-1.208E+00	1.593E+00	-1.601E+04	-5.491E+04	1.525E+00
426	3	35868.40	60.35	62.70	1	-9.406E-01	-1.695E-01	-1.790E-01	-3.722E+04	-2.010E+04	-1.327E+03	-1.300E-01	-9.801E-01	1.788E+00	-1.999E+04	-3.732E+04	1.648E+00
426	4	35841.23	100.58	62.70	1	-1.232E+00	1.038E-02	-3.182E-01	-1.883E+04	-1.518E+04	-2.031E+03	8.716E-02	-1.309E+00	1.808E+00	-1.427E+04	-1.973E+04	1.990E+00
427	1	35895.57	60.35	62.70	1	-9.414E-01	-1.749E-01	1.803E-01	-3.722E+04	-2.010E+04	-1.332E+03	-1.346E-01	-9.817E-01	1.351E+00	-2.000E+04	-3.732E+04	1.648E+00
427	2	35922.73	20.12	62.70	1	-1.226E+00	-1.494E-01	1.447E-02	-5.482E+04	-1.609E+04	1.769E+03	-1.493E-01	-1.226E+00	1.557E+00	-1.601E+04	-5.490E+04	1.525E+00
427	3	35949.90	60.35	62.70	1	-1.536E+00	3.771E-02	1.634E-01	-3.887E+04	-3.712E+03	1.323E+03	5.451E-02	-1.553E+00	1.468E+00	-3.662E+03	-3.892E+04	1.533E+00
427	4	35922.73	100.58	62.70	1	-1.251E+00	1.230E-02	3.293E-01	-1.882E+04	-1.518E+04	2.019E+03	9.297E-02	-1.332E+00	1.331E+00	-1.428E+04	-1.972E+04	1.152E+00
428	1	35968.23	60.35	62.70	1	-1.537E+00	2.811E-02	-1.041E-02	-3.793E+04	-1.331E+03	8.153E+02	2.818E-02	-1.538E+00	1.577E+00	-1.312E+03	-3.795E+04	1.549E+00
428	2	35977.73	20.12	62.70	1	-1.571E+00	-3.639E-02	-6.022E-02	-5.152E+04	7.676E+02	4.969E+02	-3.403E-02	-1.573E+00	1.610E+00	7.723E+02	-5.153E+04	1.561E+00
428	3	35987.23	60.35	62.70	1	-1.591E+00	5.235E-02	-7.367E-03	-3.800E+04	-4.803E+02	-2.775E+03	5.238E-02	-1.591E+00	1.575E+00	-2.762E+02	-3.820E+04	1.644E+00
428	4	35977.73	100.58	62.70	1	-1.558E+00	1.168E-01	4.244E-02	-2.450E+04	-3.633E+03	9.373E+01	1.179E-01	-1.559E+00	1.545E+00	-3.633E+03	-2.450E+04	1.566E+00
429	1	35786.23	125.95	62.70	1	-3.764E-02	-2.529E+00	-1.469E-01	1.963E+03	-1.135E+04	2.167E+02	-2.901E-02	-2.538E+00	-5.868E-02	1.967E+03	-1.136E+04	1.627E-02
429	2	35795.73	136.45	62.70	1	2.789E-01	-3.505E+00	-4.563E-01	3.982E+03	-4.154E+03	1.040E+03	3.332E-01	-3.559E+00	-1.183E-01	4.113E+03	-4.284E+03	1.252E-01
429	3	35786.23	146.95	62.70	1	2.355E-02	-2.544E+00	-7.790E-01	2.218E+03	1.587E+03	1.018E+03	2.414E-01	-2.762E+00	-2.727E-01	2.968E+03	8.370E+02	6.352E-01
429	4	35776.73	136.45	62.70	1	-2.930E-01	-1.569E+00	-4.697E-01	5.044E+02	-5.846E+03	1.607E+03	-1.388E-01	-1.723E+00	-3.173E-01	8.877E+02	-6.229E+03	2.342E-01
430	1	35841.23	125.95	62.70	1	-6.083E-02	-1.707E+00	6.662E-01	-4.207E+03	-8.635E+03	1.905E+03	1.750E-01	-1.942E+00	3.403E-01	-3.500E+03	-9.342E+03	3.553E-01
430	2	35868.40	136.45	62.70	1	-3.109E-02	1.137E-01	6.976E-01	-7.575E+03	-6.838E+03	6.203E+02	7.427E-01	-6.601E-01	8.371E-01	-6.485E+03	-7.928E+03	1.054E+00
430	3	35841.23	146.95	62.70	1	-3.055E-03	-1.731E+00	6.655E-01	-3.982E+03	-2.165E+03	1.209E+03	2.235E-01	-1.958E+00	3.282E-01	-1.561E+03	-4.586E+03	1.108E+00
430	4	35814.07	136.45	62.70	1	-3.280E-02	-3.551E+00	6.341E-01	-6.153E+02	-5.963E+03	1.973E+03	7.798E-02	-3.662E+00	1.730E-01	3.410E+01	-6.612E+03	3.179E-01
431	1	35922.73	125.95	62.70	1	-6.213E-02	-1.747E+00	-6.718E-01	-4.204E+03	-8.614E+03	-1.899E+03	1.729E-01	-1.982E+00	-3.365E-01	-3.499E+03	-9.319E+03	-3.555E-01
431	2	35949.90	136.45	62.70	1	-3.598E-02	-3.631E+00	-6.417E-01	-6.104E+02	-5.915E+03	-1.966E+03	7.514E-02	-3.742E+00	-1.715E-01	3.879E+01	-6.565E+03	-3.189E-01

431	3	35922.73	146.95	62.70	1	-8.099E-03	-1.770E+00	-6.711E-01	-3.982E+03	-2.144E+03	-1.192E+03	2.184E-01	-1.997E+00	-3.255E-01	-1.558E+03	-4.568E+03	2.028E+00
431	4	35895.57	136.45	62.70	1	-3.424E-02	1.132E-01	-7.012E-01	-7.578E+03	-6.837E+03	6.076E+02	7.445E-01	-6.656E-01	2.304E+00	-6.495E+03	-7.919E+03	1.059E+00
432	1	35977.73	125.95	62.70	1	-3.820E-02	-2.592E+00	1.575E-01	1.971E+03	-1.132E+04	-2.121E+02	-2.853E-02	-2.601E+00	6.137E-02	1.974E+03	-1.132E+04	-1.596E-02
432	2	35987.23	136.45	62.70	1	-2.993E-01	-1.615E+00	4.855E-01	4.998E+02	-5.811E+03	-1.601E+03	-1.395E-01	-1.774E+00	3.180E-01	8.828E+02	-6.194E+03	-2.348E-01
432	3	35977.73	146.95	62.70	1	2.137E-02	-2.606E+00	8.005E-01	2.220E+03	1.628E+03	-1.020E+03	2.460E-01	-2.831E+00	2.736E-01	2.987E+03	8.616E+02	-6.441E-01
432	4	35968.23	136.45	62.70	1	2.825E-01	-3.583E+00	4.725E-01	3.991E+03	-4.105E+03	-1.032E+03	3.394E-01	-3.640E+00	1.199E-01	4.120E+03	-4.235E+03	-1.248E-01
433	1	35786.23	157.45	62.70	1	3.595E-01	-3.044E-01	-8.669E-01	2.734E+03	2.344E+03	1.605E+03	9.558E-01	-9.007E-01	-6.025E-01	4.156E+03	9.215E+02	7.250E-01
433	2	35795.73	167.95	62.70	1	-4.400E-01	5.960E-01	-7.442E-01	3.538E+03	1.375E+03	7.538E+02	9.847E-01	-8.287E-01	2.052E+00	3.775E+03	1.139E+03	3.044E-01
433	3	35786.23	178.45	62.70	1	-7.897E-01	-2.606E-02	-3.696E-01	1.744E+03	4.228E+02	1.057E+03	1.235E-01	-9.393E-01	1.955E+00	2.330E+03	-1.630E+02	5.061E-01
433	4	35776.73	167.95	62.70	1	9.882E-03	-9.265E-01	-4.923E-01	3.995E+02	1.803E+03	1.165E+03	2.211E-01	-1.138E+00	-4.052E-01	2.461E+03	-2.591E+02	1.056E+00
434	1	35841.23	157.45	62.70	1	2.751E-01	1.230E-01	7.144E-01	-3.706E+03	-7.141E+02	8.456E+02	9.175E-01	-5.194E-01	7.324E-01	-4.916E+02	-3.928E+03	1.314E+00
434	2	35868.40	167.95	62.70	1	4.304E-01	-6.130E-01	8.857E-01	-7.847E+03	-9.389E+02	9.410E+01	9.366E-01	-1.119E+00	5.192E-01	-9.376E+02	-7.848E+03	1.557E+00
434	3	35841.23	178.45	62.70	1	5.863E-01	-9.345E-03	7.146E-01	-3.753E+03	-2.367E+02	1.289E+02	1.063E+00	-4.857E-01	5.880E-01	-2.320E+02	-3.758E+03	1.534E+00
434	4	35814.07	167.95	62.70	1	4.310E-01	7.267E-01	5.433E-01	3.879E+02	-3.557E+02	3.063E+02	1.142E+00	1.578E-02	9.182E-01	4.978E+02	-4.656E+02	3.446E-01
435	1	35922.73	157.45	62.70	1	2.762E-01	1.251E-01	-7.196E-01	-3.710E+03	-7.207E+02	-8.256E+02	9.242E-01	-5.229E-01	-7.331E-01	-5.078E+02	-3.923E+03	1.823E+00
435	2	35949.90	167.95	62.70	1	4.272E-01	7.357E-01	-5.541E-01	3.742E+02	-3.676E+02	-2.947E+02	1.157E+00	6.296E-03	2.220E+00	4.770E+02	-4.704E+02	-3.357E-01
435	3	35922.73	178.45	62.70	1	5.775E-01	-2.990E-03	-7.199E-01	-3.761E+03	-2.420E+02	-1.123E+02	1.063E+00	-4.889E-01	-5.938E-01	-2.385E+02	-3.765E+03	1.603E+00
435	4	35895.57	167.95	62.70	1	4.265E-01	-6.136E-01	-8.854E-01	-7.846E+03	-9.411E+02	7.624E+01	9.333E-01	-1.120E+00	-5.199E-01	-9.402E+02	-7.847E+03	1.560E+00
436	1	35977.73	157.45	62.70	1	3.652E-01	-3.139E-01	8.866E-01	2.728E+03	2.334E+03	-1.609E+03	9.750E-01	-9.237E-01	6.025E-01	4.151E+03	9.102E+02	-7.245E-01
436	2	35987.23	167.95	62.70	1	7.869E-03	-9.477E-01	5.046E-01	4.017E+02	1.803E+03	-1.161E+03	2.250E-01	-1.165E+00	4.063E-01	2.458E+03	-2.539E+02	2.085E+00
436	3	35977.73	178.45	62.70	1	-8.080E-01	-2.973E-02	3.798E-01	1.729E+03	4.202E+02	-1.053E+03	1.249E-01	-9.626E-01	1.184E+00	2.314E+03	-1.651E+02	-5.073E-01
436	4	35968.23	167.95	62.70	1	-4.507E-01	6.040E-01	7.617E-01	3.517E+03	1.361E+03	-7.445E+02	1.003E+00	-8.498E-01	1.088E+00	3.749E+03	1.129E+03	-3.022E-01
437	1	38339.73	-167.95	65.25	1	-8.073E-08	-5.382E-07	-4.580E-17	1.712E+03	3.280E+02	1.183E+03	-8.073E-08	-5.382E-07	-1.001E-10	2.390E+03	-3.503E+02	5.208E-01
437	2	38349.23	-178.45	65.25	1	2.845E-17	2.845E-17	2.069E-07	4.831E+02	1.938E+03	1.094E+03	2.069E-07	-2.069E-07	7.854E-01	2.524E+03	-1.028E+02	1.079E+00
437	3	38358.73	-167.95	65.25	1	8.073E-08	5.382E-07	2.534E-14	1.625E+03	3.870E+03	8.211E+02	5.382E-07	8.073E-08	1.571E+00	4.139E+03	1.357E+03	1.255E+00
437	4	38349.23	-157.45	65.25	1	1.045E-15	1.045E-15	-2.069E-07	2.418E+03	2.833E+03	1.455E+03	2.069E-07	-2.069E-07	-7.854E-01	4.095E+03	1.156E+03	8.563E-01
438	1	38377.06	-167.95	65.25	1	-2.823E-08	-1.882E-07	2.914E-16	-1.743E+02	6.358E+02	3.999E+02	-2.823E-08	-1.882E-07	1.822E-09	8.000E+02	-3.384E+02	1.181E+00
438	2	38404.23	-178.45	65.25	1	1.683E-15	1.683E-15	2.069E-07	-2.748E+02	-3.758E+03	2.596E+02	2.069E-07	-2.069E-07	7.854E-01	-2.555E+02	-3.777E+03	7.398E-02
438	3	38431.40	-167.95	65.25	1	2.823E-08	1.882E-07	6.480E-15	-1.185E+03	-8.079E+03	-1.484E+02	1.882E-07	2.823E-08	1.571E+00	-1.182E+03	-8.083E+03	-2.151E-02
438	4	38404.23	-157.45	65.25	1	1.396E-15	1.396E-15	-2.069E-07	-7.317E+02	-3.685E+03	1.111E+03	2.069E-07	-2.069E-07	-7.854E-01	-3.606E+02	-4.056E+03	3.224E-01
439	1	38458.57	-167.95	65.25	1	-2.823E-08	-1.882E-07	1.011E-15	-1.185E+03	-8.079E+03	-1.484E+02	-2.823E-08	-1.882E-07	6.322E-09	-1.182E+03	-8.083E+03	-2.151E-02
439	2	38485.73	-178.45	65.25	1	1.206E-15	1.206E-15	2.069E-07	-2.748E+02	-3.758E+03	-2.596E+02	2.069E-07	-2.069E-07	7.854E-01	-2.555E+02	-3.777E+03	-7.398E-02
439	3	38512.90	-167.95	65.25	1	2.823E-08	1.882E-07	7.623E-15	-1.743E+02	6.358E+02	-3.999E+02	1.882E-07	2.823E-08	1.571E+00	8.000E+02	-3.384E+02	1.960E+00
439	4	38485.73	-157.45	65.25	1	1.734E-16	1.734E-16	-2.069E-07	-7.317E+02	-3.685E+03	-1.111E+03	2.069E-07	-2.069E-07	-7.854E-01	-3.606E+02	-4.056E+03	-3.224E-01
440	1	38531.23	-167.95	65.25	1	-8.073E-08	-5.382E-07	4.635E-16	1.625E+03	3.870E+03	-8.211E+02	-8.073E-08	-5.382E-07	1.013E-09	4.139E+03	1.357E+03	1.887E+00
440	2	38540.73	-178.45	65.25	1	-3.018E-15	-3.018E-15	2.069E-07	4.831E+02	1.938E+03	-1.094E+03	2.069E-07	-2.069E-07	7.854E-01	2.524E+03	-1.028E+02	2.063E+00
440	3	38550.23	-167.95	65.25	1	8.073E-08	5.382E-07	2.286E-14	1.712E+03	3.280E+02	-1.183E+03	5.382E-07	8.073E-08	1.571E+00	2.390E+03	-3.503E+02	-5.208E-01
440	4	38540.73	-157.45	65.25	1	2.706E-16	2.706E-16	-2.069E-07	2.418E+03	2.833E+03	-1.455E+03	2.069E-07	-2.069E-07	-7.854E-01	4.095E+03	1.156E+03	2.285E+00
441	1	38349.23	-146.95	65.25	1	4.496E-16	2.023E-15	-2.069E-07	2.125E+03	5.785E+02	-8.719E+02	2.069E-07	-2.069E-07	-7.854E-01	2.517E+03	1.863E+02	-4.227E-01
441	2	38358.73	-136.45	65.25	1	5.382E-07	8.073E-08	-2.635E-14	3.770E+03	-5.393E+03	-1.106E+03	5.382E-07	8.073E-08	-5.760E-08	3.901E+03	-5.525E+03	-1.184E-01
441	3	38349.23	-125.95	65.25	1	-3.610E-15	-3.610E-15	2.069E-07	1.814E+03	-1.237E+04	-2.624E+02	2.069E-07	-2.069E-07	7.854E-01	1.819E+03	-1.237E+04	-1.849E-02
441	4	38339.73	-136.45	65.25	1	-5.382E-07	-8.073E-08	-5.667E-13	6.274E+02	-6.747E+03	-1.644E+03	-8.073E-08	-5.382E-07	1.571E+00	9.771E+02	-7.097E+03	-2.097E-01
442	1	38404.23	-146.95	65.25	1	7.827E-16	-1.348E-15	-2.069E-07	-4.072E+03	-2.891E+03	-1.442E+03	2.069E-07	-2.069E-07	-7.854E-01	-1.923E+03	-5.040E+03	2.162E+00

442	2	38431.40	-136.45	65.25	1	1.882E-07	2.823E-08	-6.546E-15	-7.570E+03	-7.255E+03	6.472E+02	1.882E-07	2.823E-08	-4.092E-08	-6.746E+03	-8.079E+03	9.047E-01
442	3	38404.23	-125.95	65.25	1	1.753E-15	1.753E-15	2.069E-07	-4.275E+03	-9.327E+03	-1.932E+03	2.069E-07	-2.069E-07	7.854E-01	-3.621E+03	-9.981E+03	-3.265E-01
442	4	38377.06	-136.45	65.25	1	-1.882E-07	-2.823E-08	-4.611E-15	-7.783E+02	-7.204E+03	-2.029E+03	-2.823E-08	-1.882E-07	1.571E+00	-1.913E+02	-7.791E+03	-2.816E-01
443	1	38485.73	-146.95	65.25	1	9.564E-16	-1.343E-15	-2.069E-07	-4.072E+03	-2.891E+03	1.442E+03	2.069E-07	-2.069E-07	-7.854E-01	-1.923E+03	-5.040E+03	9.796E-01
443	2	38512.90	-136.45	65.25	1	1.882E-07	2.823E-08	-7.388E-15	-7.783E+02	-7.204E+03	2.029E+03	1.882E-07	2.823E-08	-4.619E-08	-1.913E+02	-7.791E+03	2.816E-01
443	3	38485.73	-125.95	65.25	1	-7.730E-16	-7.730E-16	2.069E-07	-4.275E+03	-9.327E+03	1.932E+03	2.069E-07	-2.069E-07	7.854E-01	-3.621E+03	-9.981E+03	3.265E-01
443	4	38458.57	-136.45	65.25	1	-1.882E-07	-2.823E-08	-5.895E-15	-7.570E+03	-7.255E+03	6.472E+02	-2.823E-08	-1.882E-07	1.571E+00	-6.746E+03	-8.079E+03	9.047E-01
444	1	38540.73	-146.95	65.25	1	-5.343E-16	-8.077E-15	-2.069E-07	2.125E+03	5.785E+02	8.719E+02	2.069E-07	-2.069E-07	-7.854E-01	2.517E+03	1.863E+02	4.227E-01
444	2	38550.23	-136.45	65.25	1	5.382E-07	8.073E-08	-2.635E-14	6.274E+02	-6.747E+03	1.644E+03	5.382E-07	8.073E-08	-5.759E-08	9.771E+02	-7.097E+03	2.097E-01
444	3	38540.73	-125.95	65.25	1	-4.621E-15	-4.621E-15	2.069E-07	1.814E+03	-1.237E+04	2.624E+02	2.069E-07	-2.069E-07	7.854E-01	1.819E+03	-1.237E+04	1.849E-02
444	4	38531.23	-136.45	65.25	1	-5.382E-07	-8.073E-08	-2.636E-14	3.770E+03	-5.393E+03	1.106E+03	-8.073E-08	-5.382E-07	1.571E+00	3.901E+03	-5.525E+03	1.184E-01
445	1	38339.73	-60.35	65.25	1	-4.036E-08	-2.691E-07	3.550E-15	-3.885E+04	-5.046E+02	-2.746E+03	-4.036E-08	-2.691E-07	1.552E-08	-3.088E+02	-3.905E+04	1.642E+00
445	2	38349.23	-100.58	65.25	1	1.849E-15	1.849E-15	2.700E-08	-2.539E+04	-3.665E+03	1.242E+02	2.700E-08	-2.700E-08	7.854E-01	-3.664E+03	-2.539E+04	1.565E+00
445	3	38358.73	-60.35	65.25	1	4.036E-08	2.691E-07	2.636E-14	-3.877E+04	-1.329E+03	8.287E+02	2.691E-07	4.036E-08	1.571E+00	-1.310E+03	-3.879E+04	1.549E+00
445	4	38349.23	-20.12	65.25	1	3.071E-15	3.071E-15	-2.700E-08	-5.233E+04	7.567E+02	4.916E+02	2.700E-08	-2.700E-08	-7.854E-01	7.613E+02	-5.234E+04	1.562E+00
446	1	38377.06	-60.35	65.25	1	-1.411E-08	-9.410E-08	3.101E-15	-3.972E+04	-3.732E+03	1.327E+03	-1.411E-08	-9.410E-08	3.877E-08	-3.683E+03	-3.977E+04	1.534E+00
446	2	38404.23	-100.58	65.25	1	1.294E-15	1.294E-15	2.700E-08	-1.965E+04	-1.517E+04	2.026E+03	2.700E-08	-2.700E-08	7.854E-01	-1.439E+04	-2.043E+04	1.203E+00
446	3	38431.40	-60.35	65.25	1	1.411E-08	9.410E-08	6.553E-15	-3.802E+04	-1.997E+04	-1.343E+03	9.410E-08	1.411E-08	1.571E+00	-1.987E+04	-3.812E+04	1.645E+00
446	4	38404.23	-20.12	65.25	1	-1.063E-15	-1.063E-15	-2.700E-08	-5.562E+04	-1.607E+04	1.780E+03	2.700E-08	-2.700E-08	-7.854E-01	-1.599E+04	-5.570E+04	1.526E+00
447	1	38458.57	-60.35	65.25	1	-1.411E-08	-9.410E-08	4.908E-15	-3.802E+04	-1.997E+04	-1.343E+03	-1.411E-08	-9.410E-08	6.136E-08	-1.987E+04	-3.812E+04	1.645E+00
447	2	38485.73	-100.58	65.25	1	-2.032E-15	-2.032E-15	2.700E-08	-1.965E+04	-1.517E+04	-2.026E+03	2.700E-08	-2.700E-08	7.854E-01	-1.439E+04	-2.043E+04	1.939E+00
447	3	38512.90	-60.35	65.25	1	1.411E-08	9.410E-08	6.750E-15	-3.972E+04	-3.732E+03	-1.327E+03	9.410E-08	1.411E-08	1.571E+00	-3.683E+03	-3.977E+04	1.608E+00
447	4	38485.73	-20.12	65.25	1	1.141E-15	1.141E-15	-2.700E-08	-5.562E+04	-1.607E+04	-1.780E+03	2.700E-08	-2.700E-08	-7.854E-01	-1.599E+04	-5.570E+04	1.616E+00
448	1	38531.23	-60.35	65.25	1	-4.036E-08	-2.691E-07	1.674E-15	-3.877E+04	-1.329E+03	-8.287E+02	-4.036E-08	-2.691E-07	7.317E-09	-1.310E+03	-3.879E+04	1.593E+00
448	2	38540.73	-100.58	65.25	1	-5.084E-15	-5.084E-15	2.700E-08	-2.539E+04	-3.665E+03	-1.242E+02	2.700E-08	-2.700E-08	7.854E-01	-3.664E+03	-2.539E+04	1.577E+00
448	3	38550.23	-60.35	65.25	1	4.036E-08	2.691E-07	2.673E-14	-3.885E+04	-5.046E+02	2.746E+03	2.691E-07	4.036E-08	1.571E+00	-3.088E+02	-3.905E+04	1.500E+00
448	4	38540.73	-20.12	65.25	1	-4.672E-15	-4.672E-15	-2.700E-08	-5.233E+04	7.567E+02	-4.916E+02	2.700E-08	-2.700E-08	-7.854E-01	7.613E+02	-5.234E+04	1.580E+00
449	1	38339.73	60.35	65.25	1	4.036E-08	2.691E-07	-2.262E-15	-3.885E+04	-5.046E+02	2.746E+03	2.691E-07	4.036E-08	1.571E+00	-3.088E+02	-3.905E+04	1.500E+00
449	2	38349.23	20.12	65.25	1	3.855E-15	3.855E-15	-2.700E-08	-5.233E+04	7.567E+02	4.916E+02	2.700E-08	-2.700E-08	-7.854E-01	7.613E+02	-5.234E+04	1.562E+00
449	3	38358.73	60.35	65.25	1	-4.036E-08	-2.691E-07	2.050E-14	-3.877E+04	-1.329E+03	-8.287E+02	-4.036E-08	-2.691E-07	8.963E-08	-1.310E+03	-3.879E+04	1.593E+00
449	4	38349.23	100.58	65.25	1	1.878E-16	1.878E-16	2.700E-08	-2.539E+04	-3.665E+03	-1.242E+02	2.700E-08	-2.700E-08	7.854E-01	-3.664E+03	-2.539E+04	1.577E+00
450	1	38377.06	60.35	65.25	1	1.411E-08	9.410E-08	-6.718E-15	-3.972E+04	-3.732E+03	-1.327E+03	9.410E-08	1.411E-08	1.571E+00	-3.683E+03	-3.977E+04	1.608E+00
450	2	38404.23	20.12	65.25	1	-3.432E-15	-3.432E-15	-2.700E-08	-5.562E+04	-1.607E+04	1.780E+03	2.700E-08	-2.700E-08	-7.854E-01	-1.599E+04	-5.570E+04	1.526E+00
450	3	38431.40	60.35	65.25	1	-1.411E-08	-9.410E-08	-3.821E-15	-3.802E+04	-1.997E+04	-1.343E+03	-1.411E-08	-9.410E-08	-4.777E-08	-1.987E+04	-3.812E+04	1.645E+00
450	4	38404.23	100.58	65.25	1	-2.201E-15	-2.201E-15	2.700E-08	-1.965E+04	-1.517E+04	-2.026E+03	2.700E-08	-2.700E-08	7.854E-01	-1.439E+04	-2.043E+04	1.939E+00
451	1	38458.57	60.35	65.25	1	1.411E-08	9.410E-08	-8.562E-15	-3.802E+04	-1.997E+04	-1.343E+03	9.410E-08	1.411E-08	1.571E+00	-1.987E+04	-3.812E+04	1.645E+00
451	2	38485.73	20.12	65.25	1	1.746E-15	1.746E-15	-2.700E-08	-5.562E+04	-1.607E+04	-1.780E+03	2.700E-08	-2.700E-08	-7.854E-01	-1.599E+04	-5.570E+04	1.616E+00
451	3	38512.90	60.35	65.25	1	-1.411E-08	-9.410E-08	-5.992E-15	-3.972E+04	-3.732E+03	1.327E+03	-1.411E-08	-9.410E-08	-7.492E-08	-3.683E+03	-3.977E+04	1.534E+00
451	4	38485.73	100.58	65.25	1	1.761E-15	1.761E-15	2.700E-08	-1.965E+04	-1.517E+04	2.026E+03	2.700E-08	-2.700E-08	7.854E-01	-1.439E+04	-2.043E+04	1.203E+00
452	1	38531.23	60.35	65.25	1	4.036E-08	2.691E-07	-3.475E-15	-3.877E+04	-1.329E+03	8.287E+02	2.691E-07	4.036E-08	1.571E+00	-1.310E+03	-3.879E+04	1.549E+00
452	2	38540.73	20.12	65.25	1	-9.096E-16	-9.096E-16	-2.700E-08	-5.233E+04	7.567E+02	-4.916E+02	2.700E-08	-2.700E-08	-7.854E-01	7.613E+02	-5.234E+04	1.580E+00
452	3	38550.23	60.35	65.25	1	-4.036E-08	-2.691E-07	2.330E-14	-3.885E+04	-5.046E+02	-2.746E+03	-4.036E-08	-2.691E-07	1.019E-07	-3.088E+02	-3.905E+04	1.642E+00
452	4	38540.73	100.58	65.25	1	7.173E-17	7.173E-17	2.700E-08	-2.539E+04	-3.665E+03	1.242E+02	2.700E-08	-2.700E-08	7.854E-01	-3.664E+03	-2.539E+04	1.565E+00



453	1	38349.23	125.95	65.25	1	-7.366E-15	1.027E-16	2.069E-07	1.814E+03	-1.237E+04	2.624E+02	2.069E-07	-2.069E-07	7.854E-01	1.819E+03	-1.237E+04	1.849E-02
453	2	38358.73	136.45	65.25	1	-5.382E-07	-8.073E-08	-2.766E-14	3.770E+03	-5.393E+03	1.106E+03	-8.073E-08	-5.382E-07	1.571E+00	3.901E+03	-5.525E+03	1.184E-01
453	3	38349.23	146.95	65.25	1	-8.771E-16	-8.771E-16	-2.069E-07	2.125E+03	5.785E+02	8.719E+02	2.069E-07	-2.069E-07	-7.854E-01	2.517E+03	1.863E+02	4.227E-01
453	4	38339.73	136.45	65.25	1	5.382E-07	8.073E-08	-5.723E-13	6.274E+02	-6.747E+03	1.644E+03	5.382E-07	8.073E-08	-1.251E-06	9.771E+02	-7.097E+03	2.097E-01
454	1	38404.23	125.95	65.25	1	-4.417E-15	-8.679E-15	2.069E-07	-4.275E+03	-9.327E+03	1.932E+03	2.069E-07	-2.069E-07	7.854E-01	-3.621E+03	-9.981E+03	3.265E-01
454	2	38431.40	136.45	65.25	1	-1.882E-07	-2.823E-08	-1.613E-15	-7.570E+03	-7.255E+03	6.472E+02	-2.823E-08	-1.882E-07	1.571E+00	-6.746E+03	-8.079E+03	9.047E-01
454	3	38404.23	146.95	65.25	1	-5.725E-15	-5.725E-15	-2.069E-07	-4.072E+03	-2.891E+03	1.442E+03	2.069E-07	-2.069E-07	-7.854E-01	-1.923E+03	-5.040E+03	9.796E-01
454	4	38377.06	136.45	65.25	1	1.882E-07	2.823E-08	1.479E-15	-7.783E+02	-7.204E+03	2.029E+03	1.882E-07	2.823E-08	9.246E-09	-1.913E+02	-7.791E+03	2.816E-01
455	1	38485.73	125.95	65.25	1	5.464E-15	-3.109E-15	2.069E-07	-4.275E+03	-9.327E+03	-1.932E+03	2.069E-07	-2.069E-07	7.854E-01	-3.621E+03	-9.981E+03	-3.265E-01
455	2	38512.90	136.45	65.25	1	-1.882E-07	-2.823E-08	4.761E-15	-7.783E+02	-7.204E+03	-2.029E+03	-2.823E-08	-1.882E-07	1.571E+00	-1.913E+02	-7.791E+03	-2.816E-01
455	3	38485.73	146.95	65.25	1	9.288E-16	9.288E-16	-2.069E-07	-4.072E+03	-2.891E+03	-1.442E+03	2.069E-07	-2.069E-07	-7.854E-01	-1.923E+03	-5.040E+03	2.162E+00
455	4	38458.57	136.45	65.25	1	1.882E-07	2.823E-08	5.576E-15	-7.570E+03	-7.255E+03	6.472E+02	1.882E-07	2.823E-08	3.486E-08	-6.746E+03	-8.079E+03	9.047E-01
456	1	38540.73	125.95	65.25	1	8.291E-15	2.116E-14	2.069E-07	1.814E+03	-1.237E+04	-2.624E+02	2.069E-07	-2.069E-07	7.854E-01	1.819E+03	-1.237E+04	-1.849E-02
456	2	38550.23	136.45	65.25	1	-5.382E-07	-8.073E-08	-1.974E-14	6.274E+02	-6.747E+03	-1.644E+03	-8.073E-08	-5.382E-07	1.571E+00	9.771E+02	-7.097E+03	-2.097E-01
456	3	38540.73	146.95	65.25	1	1.451E-14	1.451E-14	-2.069E-07	2.125E+03	5.785E+02	-8.719E+02	2.069E-07	-2.069E-07	-7.854E-01	2.517E+03	1.863E+02	-4.227E-01
456	4	38531.23	136.45	65.25	1	5.382E-07	8.073E-08	-2.100E-14	3.770E+03	-5.393E+03	-1.106E+03	5.382E-07	8.073E-08	-4.590E-08	3.901E+03	-5.525E+03	-1.184E-01
457	1	38349.23	157.45	65.25	1	5.449E-15	-1.599E-15	2.069E-07	2.833E+03	2.418E+03	1.455E+03	2.069E-07	-2.069E-07	7.854E-01	4.095E+03	1.156E+03	7.145E-01
457	2	38358.73	167.95	65.25	1	-5.382E-07	-8.073E-08	-2.543E-14	3.870E+03	1.625E+03	8.211E+02	-8.073E-08	-5.382E-07	1.571E+00	4.139E+03	1.357E+03	3.158E-01
457	3	38349.23	178.45	65.25	1	-2.280E-15	-2.280E-15	-2.069E-07	1.938E+03	4.831E+02	1.094E+03	2.069E-07	-2.069E-07	-7.854E-01	2.524E+03	-1.028E+02	4.918E-01
457	4	38339.73	167.95	65.25	1	5.382E-07	8.073E-08	-5.701E-13	3.280E+02	1.712E+03	1.183E+03	5.382E-07	8.073E-08	-1.246E-06	2.390E+03	-3.503E+02	1.050E+00
458	1	38404.23	157.45	65.25	1	-6.719E-15	-6.455E-15	2.069E-07	-3.685E+03	-7.317E+02	1.111E+03	2.069E-07	-2.069E-07	7.854E-01	-3.606E+02	-4.056E+03	1.248E+00
458	2	38431.40	167.95	65.25	1	-1.882E-07	-2.823E-08	-3.399E-15	-8.079E+03	-1.185E+03	1.484E+02	-2.823E-08	-1.882E-07	1.571E+00	-1.182E+03	-8.083E+03	1.549E+00
458	3	38404.23	178.45	65.25	1	-7.829E-15	-7.829E-15	-2.069E-07	-3.758E+03	-2.748E+02	2.596E+02	2.069E-07	-2.069E-07	-7.854E-01	-2.555E+02	-3.777E+03	1.497E+00
458	4	38377.06	167.95	65.25	1	1.882E-07	2.823E-08	-2.030E-15	6.358E+02	-1.743E+02	3.999E+02	1.882E-07	2.823E-08	-1.269E-08	8.000E+02	-3.384E+02	3.895E-01
459	1	38485.73	157.45	65.25	1	5.570E-15	-2.061E-15	2.069E-07	-3.685E+03	-7.317E+02	-1.111E+03	2.069E-07	-2.069E-07	7.854E-01	-3.606E+02	-4.056E+03	1.893E+00
459	2	38512.90	167.95	65.25	1	-1.882E-07	-2.823E-08	-9.695E-15	6.358E+02	-1.743E+02	-3.999E+02	-2.823E-08	-1.882E-07	1.571E+00	8.000E+02	-3.384E+02	-3.895E-01
459	3	38485.73	178.45	65.25	1	-3.297E-15	-3.297E-15	-2.069E-07	-3.758E+03	-2.748E+02	-2.596E+02	2.069E-07	-2.069E-07	-7.854E-01	-2.555E+02	-3.777E+03	1.645E+00
459	4	38458.57	167.95	65.25	1	1.882E-07	2.823E-08	7.167E-15	-8.079E+03	-1.185E+03	1.484E+02	1.882E-07	2.823E-08	4.480E-08	-1.182E+03	-8.083E+03	1.549E+00
460	1	38540.73	157.45	65.25	1	3.822E-15	-2.318E-14	2.069E-07	2.833E+03	2.418E+03	-1.455E+03	2.069E-07	-2.069E-07	7.854E-01	4.095E+03	1.156E+03	-7.145E-01
460	2	38550.23	167.95	65.25	1	-5.382E-07	-8.073E-08	-5.296E-14	3.280E+02	1.712E+03	-1.183E+03	-8.073E-08	-5.382E-07	1.571E+00	2.390E+03	-3.503E+02	2.092E+00
460	3	38540.73	178.45	65.25	1	-1.534E-14	-1.534E-14	-2.069E-07	1.938E+03	4.831E+02	-1.094E+03	2.069E-07	-2.069E-07	-7.854E-01	2.524E+03	-1.028E+02	-4.918E-01
460	4	38531.23	167.95	65.25	1	5.382E-07	8.073E-08	-5.185E-14	3.870E+03	1.625E+03	-8.211E+02	5.382E-07	8.073E-08	-1.133E-07	4.139E+03	1.357E+03	-3.158E-01

FILE: gus4c006.bin

Caso di carico: 6 - Quasi Permanente (1xC1 + 1xC2 + 0.75xC3)

Guscio	Nodo	Coord X	Coord Y	Coord Z	Sest.	sx (N/mm2)	sy (N/mm2)	sxy (N/mm2)	mx (kN)	my (kN)	mxy (kN)	s1 (N/mm2)	s2 (N/mm2)	ths (rad)	m1 (kN)	m2 (kN)	thm (rad)
1	1	-137.50	-213.60	0.00	1	-1.505E-43	-1.003E-42	5.901E-43	5.710E+02	-2.886E+02	2.466E+02	1.512E-43	-1.305E-42	0.000E+00	6.367E+02	-3.543E+02	2.604E-01
1	2	-112.50	-254.53	0.00	1	-6.964E-42	3.133E-42	6.183E-58	2.512E+02	-4.887E+02	5.134E+02	3.133E-42	-6.964E-42	1.571E+00	5.141E+02	-7.515E+02	4.732E-01
1	3	-87.50	-213.60	0.00	1	-2.003E-43	-1.230E-42	-1.261E-58	8.538E+02	-1.079E+03	4.012E+02	-2.003E-43	-1.230E-42	0.000E+00	9.338E+02	-1.159E+03	1.967E-01
1	4	-112.50	-172.67	0.00	1	-3.182E-42	4.429E-42	-4.661E-58	1.186E+03	-9.328E+02	9.495E+01	4.429E-42	-3.182E-42	1.571E+00	1.191E+03	-9.371E+02	4.469E-02
2	1	-62.50	-213.60	0.00	1	-2.942E-30	-1.961E-29	2.032E-29	7.017E+02	-1.955E+03	6.177E+02	1.069E-29	-3.324E-29	0.000E+00	8.383E+02	-2.091E+03	2.177E-01
2	2	-37.50	-254.53	0.00	1	-6.477E-29	2.411E-29	5.442E-45	5.868E+02	-2.027E+03	1.089E+03	2.411E-29	-6.477E-29	1.571E+00	9.811E+02	-2.422E+03	3.474E-01
2	3	-12.50	-213.60	0.00	1	3.219E-29	-6.623E-29	-1.205E-44	1.480E+03	-2.238E+03	9.030E+02	3.219E-29	-6.623E-29	0.000E+00	1.687E+03	-2.446E+03	2.261E-01

2	4	-37.50	-172.67	0.00	1	-7.531E-29	5.936E-29	-8.246E-45	1.754E+03	-2.840E+03	-2.373E+02	5.936E-29	-7.531E-29	1.571E+00	1.766E+03	-2.852E+03	-5.147E-02
3	1	13.58	-213.60	0.00	1	-3.358E-17	-2.238E-16	2.960E-16	1.470E+03	-2.793E+03	1.396E+03	1.822E-16	-4.396E-16	0.000E+00	1.886E+03	-3.210E+03	2.899E-01
3	2	40.75	-254.53	0.00	1	-8.091E-16	2.776E-16	6.654E-32	1.536E+02	-1.368E+03	1.357E+03	2.776E-16	-8.091E-16	1.571E+00	9.482E+02	-2.162E+03	5.299E-01
3	3	67.92	-213.60	0.00	1	1.100E-15	-1.906E-15	-3.681E-31	2.865E+03	6.026E+02	1.448E+03	1.100E-15	-1.906E-15	0.000E+00	3.571E+03	-1.041E+02	4.539E-01
3	4	40.75	-172.67	0.00	1	-1.751E-15	1.220E-15	-1.819E-31	4.367E+03	-1.420E+03	-5.273E+02	1.220E-15	-1.751E-15	1.571E+00	4.414E+03	-1.468E+03	-9.013E-02
4	1	86.25	-213.60	0.00	1	-8.854E-16	1.211E-16	-8.463E-16	3.005E+03	8.734E+02	1.082E+03	6.026E-16	-1.367E-15	1.571E+00	3.458E+03	4.207E+02	3.964E-01
4	2	95.75	-254.53	0.00	1	-7.874E-16	2.559E-16	6.388E-32	-7.221E+02	-4.695E+02	3.486E+02	2.559E-16	-7.874E-16	1.571E+00	-2.250E+02	-9.665E+02	9.592E-01
4	3	105.25	-213.60	0.00	1	2.098E-15	-2.397E-15	-5.505E-31	3.118E+03	8.777E+02	-5.125E+02	2.098E-15	-2.397E-15	0.000E+00	3.230E+03	7.660E+02	-2.146E-01
4	4	95.75	-172.67	0.00	1	-4.686E-15	4.155E-15	-5.413E-31	6.868E+03	2.451E+03	-7.529E+00	4.155E-15	-4.686E-15	1.571E+00	6.868E+03	2.451E+03	-1.705E-03
5	1	-137.50	-76.10	0.00	1	1.263E-42	8.422E-42	-4.019E-43	2.192E+02	-1.573E+02	-2.567E+02	8.445E-42	1.241E-42	1.571E+00	3.493E+02	-2.874E+02	-4.691E-01
5	2	-112.50	-126.83	0.00	1	2.222E-42	2.530E-42	1.887E-59	6.919E+02	-1.060E+03	9.110E+01	2.530E-42	2.222E-42	1.571E+00	6.967E+02	-1.065E+03	5.182E-02
5	3	-87.50	-76.10	0.00	1	1.236E-41	-1.833E-42	-1.738E-57	9.712E+01	-1.175E+03	-4.125E+02	1.236E-41	-1.833E-42	0.000E+00	2.192E+02	-1.297E+03	-2.878E-01
5	4	-112.50	-25.37	0.00	1	-8.646E-42	2.411E-41	-2.006E-57	-3.626E+02	-4.076E+02	1.375E+02	2.411E-41	-8.646E-42	1.571E+00	-2.458E+02	-5.244E+02	7.043E-01
6	1	-62.50	-76.10	0.00	1	5.765E-30	3.843E-29	9.688E-30	1.496E+01	-1.469E+03	-6.749E+02	4.109E-29	3.109E-30	1.571E+00	2.760E+02	-1.730E+03	-3.690E-01
6	2	-37.50	-126.83	0.00	1	-4.992E-29	7.697E-29	7.770E-45	1.198E+03	-3.099E+03	-3.623E+02	7.697E-29	-4.992E-29	1.571E+00	1.228E+03	-3.130E+03	-8.354E-02
6	3	-12.50	-76.10	0.00	1	5.816E-29	5.170E-30	-6.489E-45	-1.423E+02	-2.461E+03	-1.007E+03	5.816E-29	5.170E-30	0.000E+00	2.339E+02	-2.837E+03	-3.576E-01
6	4	-37.50	-25.37	0.00	1	-1.412E-29	9.460E-29	-6.657E-45	-1.242E+03	-1.687E+03	3.564E+02	9.460E-29	-1.412E-29	1.571E+00	-1.045E+03	-1.885E+03	5.067E-01
7	1	13.58	-76.10	0.00	1	2.867E-17	1.911E-16	2.960E-16	-9.334E+01	-2.096E+03	-1.460E+03	4.168E-16	-1.970E-16	1.571E+00	6.753E+02	-2.865E+03	-4.847E-01
7	2	40.75	-126.83	0.00	1	-1.289E-15	1.718E-15	1.841E-31	2.981E+03	-1.921E+03	-9.856E+02	1.718E-15	-1.289E-15	1.571E+00	3.172E+03	-2.112E+03	-1.912E-01
7	3	67.92	-76.10	0.00	1	1.625E-15	-9.876E-16	-3.200E-31	-7.454E+01	-2.696E+02	-1.468E+03	1.625E-15	-9.876E-16	0.000E+00	1.299E+03	-1.643E+03	-7.522E-01
7	4	40.75	-25.37	0.00	1	-2.184E-16	6.472E-16	-5.300E-32	-3.004E+03	-1.461E+03	6.677E+02	6.472E-16	-2.184E-16	1.571E+00	-1.212E+03	-3.253E+03	1.214E+00
8	1	86.25	-76.10	0.00	1	7.141E-16	-9.940E-17	-8.463E-16	3.548E+01	1.385E+02	-1.391E+03	1.246E-15	-6.317E-16	0.000E+00	1.479E+03	-1.305E+03	2.338E+00
8	2	95.75	-126.83	0.00	1	-4.219E-15	4.648E-15	5.429E-31	4.315E+03	-5.651E+02	-2.286E+02	4.648E-15	-4.219E-15	1.571E+00	4.326E+03	-5.758E+02	-4.671E-02
8	3	105.25	-76.10	0.00	1	2.363E-15	-2.120E-15	-5.490E-31	-6.286E+01	-4.460E+02	3.361E+02	2.363E-15	-2.120E-15	0.000E+00	1.325E+02	-6.413E+02	5.264E-01
8	4	95.75	-25.37	0.00	1	-2.053E-16	6.341E-16	-5.140E-32	-4.364E+03	6.959E+01	1.906E+02	6.341E-16	-2.053E-16	1.571E+00	7.777E+01	-4.372E+03	1.528E+00
9	1	-137.50	76.10	0.00	1	1.350E-32	1.929E-32	9.567E-33	2.192E+02	-1.573E+02	2.567E+02	2.639E-32	6.399E-33	1.571E+00	3.493E+02	-2.874E+02	4.691E-01
9	2	-112.50	25.37	0.00	1	-8.098E-34	1.198E-32	7.829E-49	-3.626E+02	-4.076E+02	1.375E+02	1.198E-32	-8.098E-34	1.571E+00	-2.458E+02	-5.244E+02	7.043E-01
9	3	-87.50	76.10	0.00	1	2.638E-32	4.322E-34	-3.177E-48	9.712E+01	-1.175E+03	4.125E+02	2.638E-32	4.322E-34	0.000E+00	2.192E+02	-1.297E+03	2.878E-01
9	4	-112.50	126.83	0.00	1	2.838E-33	4.559E-32	-2.618E-48	6.919E+02	-1.060E+03	-9.110E+01	4.559E-32	2.838E-33	1.571E+00	6.967E+02	-1.065E+03	-5.182E-02
10	1	-62.50	76.10	0.00	1	5.765E-30	3.843E-29	-9.688E-30	1.496E+01	-1.469E+03	6.749E+02	4.109E-29	3.109E-30	1.571E+00	2.760E+02	-1.730E+03	3.690E-01
10	2	-37.50	25.37	0.00	1	-1.412E-29	9.460E-29	6.657E-45	-1.242E+03	-1.687E+03	3.564E+02	9.460E-29	-1.412E-29	1.571E+00	-1.045E+03	-1.885E+03	5.067E-01
10	3	-12.50	76.10	0.00	1	5.816E-29	5.170E-30	-6.489E-45	-1.423E+02	-2.461E+03	1.007E+03	5.816E-29	5.170E-30	0.000E+00	2.339E+02	-2.837E+03	3.576E-01
10	4	-37.50	126.83	0.00	1	-4.992E-29	7.697E-29	-7.770E-45	1.198E+03	-3.099E+03	3.623E+02	7.697E-29	-4.992E-29	1.571E+00	1.228E+03	-3.130E+03	8.354E-02
11	1	13.58	76.10	0.00	1	2.867E-17	1.911E-16	-2.960E-16	-9.334E+01	-2.096E+03	1.460E+03	4.168E-16	-1.970E-16	1.571E+00	6.753E+02	-2.865E+03	4.847E-01
11	2	40.75	25.37	0.00	1	-2.184E-16	6.472E-16	5.300E-32	-3.004E+03	-1.461E+03	6.677E+02	6.472E-16	-2.184E-16	1.571E+00	-1.212E+03	-3.253E+03	1.214E+00
11	3	67.92	76.10	0.00	1	1.625E-15	-9.876E-16	-3.200E-31	-7.454E+01	-2.696E+02	1.468E+03	1.625E-15	-9.876E-16	0.000E+00	1.299E+03	-1.643E+03	7.522E-01
11	4	40.75	126.83	0.00	1	-1.289E-15	1.718E-15	-1.841E-31	2.981E+03	-1.921E+03	9.856E+02	1.718E-15	-1.289E-15	1.571E+00	3.172E+03	-2.112E+03	1.912E-01
12	1	86.25	76.10	0.00	1	7.141E-16	-9.940E-17	8.463E-16	3.548E+01	1.385E+02	1.391E+03	1.246E-15	-6.317E-16	0.000E+00	1.479E+03	-1.305E+03	8.039E-01
12	2	95.75	25.37	0.00	1	-2.053E-16	6.341E-16	5.140E-32	-4.364E+03	6.959E+01	1.906E+02	6.341E-16	-2.053E-16	1.571E+00	7.777E+01	-4.372E+03	1.528E+00
12	3	105.25	76.10	0.00	1	2.363E-15	-2.120E-15	-5.490E-31	-6.286E+01	-4.460E+02	3.361E+02	2.363E-15	-2.120E-15	0.000E+00	1.325E+02	-6.413E+02	-5.264E-01
12	4	95.75	126.83	0.00	1	-4.219E-15	4.648E-15	5.429E-31	4.315E+03	-5.651E+02	2.286E+02	4.648E-15	-4.219E-15	1.571E+00	4.326E+03	-5.758E+02	4.671E-02
13	1	-137.50	213.60	0.00	1	-8.819E-33	2.592E-32	-2.002E-33	5.710E+02	-2.886E+02	-2.466E+02	2.604E-32	-8.934E-33	1.571E+00	6.367E+02	-3.543E+02	-2.604E-01
13	2	-112.50	172.67	0.00	1	-5.663E-33	3.934E-32	2.755E-48	1.186E+03	-9.328E+02	-9.495E+01	3.934E-32	-5.663E-33	1.571E+00	1.191E+03	-9.371E+02	-4.469E-02

13	3	-87.50	213.60	0.00	1	2.207E-32	1.493E-33	-2.520E-48	8.538E+02	-1.079E+03	-4.012E+02	2.207E-32	1.493E-33	0.000E+00	9.338E+02	-1.159E+03	-1.967E-01
13	4	-112.50	254.53	0.00	1	-3.151E-33	1.014E-32	-8.139E-49	2.512E+02	-4.887E+02	-5.134E+02	1.014E-32	-3.151E-33	1.571E+00	5.141E+02	-7.515E+02	-4.732E-01
14	1	-62.50	213.60	0.00	1	-2.944E-30	-1.962E-29	-2.032E-29	7.017E+02	-1.955E+03	-6.177E+02	1.069E-29	-3.325E-29	0.000E+00	8.383E+02	-2.091E+03	-2.177E-01
14	2	-37.50	172.67	0.00	1	-7.531E-29	5.936E-29	8.246E-45	1.754E+03	-2.840E+03	2.373E+02	5.936E-29	-7.531E-29	1.571E+00	1.766E+03	-2.852E+03	5.147E-02
14	3	-12.50	213.60	0.00	1	3.218E-29	-6.624E-29	-1.205E-44	1.480E+03	-2.238E+03	-9.030E+02	3.218E-29	-6.624E-29	0.000E+00	1.687E+03	-2.446E+03	-2.261E-01
14	4	-37.50	254.53	0.00	1	-6.477E-29	2.411E-29	-5.442E-45	5.868E+02	-2.027E+03	-1.089E+03	2.411E-29	-6.477E-29	1.571E+00	9.811E+02	-2.422E+03	-3.474E-01
15	1	13.58	213.60	0.00	1	-3.358E-17	-2.238E-16	-2.960E-16	1.470E+03	-2.793E+03	-1.396E+03	1.822E-16	-4.396E-16	0.000E+00	1.886E+03	-3.210E+03	-2.899E-01
15	2	40.75	172.67	0.00	1	-1.751E-15	1.220E-15	1.819E-31	4.367E+03	-1.420E+03	5.273E+02	1.220E-15	-1.751E-15	1.571E+00	4.414E+03	-1.468E+03	9.013E-02
15	3	67.92	213.60	0.00	1	1.100E-15	-1.906E-15	-3.681E-31	2.865E+03	6.026E+02	-1.448E+03	1.100E-15	-1.906E-15	0.000E+00	3.571E+03	-1.041E+02	-4.539E-01
15	4	40.75	254.53	0.00	1	-8.091E-16	2.776E-16	-6.654E-32	1.536E+02	-1.368E+03	-1.357E+03	2.776E-16	-8.091E-16	1.571E+00	9.482E+02	-2.162E+03	-5.299E-01
16	1	86.25	213.60	0.00	1	-8.854E-16	1.211E-16	8.463E-16	3.005E+03	8.734E+02	-1.082E+03	6.026E-16	-1.367E-15	1.571E+00	3.458E+03	4.207E+02	-3.964E-01
16	2	95.75	172.67	0.00	1	-4.686E-15	4.155E-15	5.413E-31	6.868E+03	2.451E+03	7.529E+00	4.155E-15	-4.686E-15	1.571E+00	6.868E+03	2.451E+03	1.705E-03
16	3	105.25	213.60	0.00	1	2.098E-15	-2.397E-15	-5.505E-31	3.118E+03	8.777E+02	5.125E+02	2.098E-15	-2.397E-15	0.000E+00	3.230E+03	7.660E+02	2.146E-01
16	4	95.75	254.53	0.00	1	-7.874E-16	2.559E-16	-6.388E-32	-7.221E+02	-4.695E+02	-3.486E+02	2.559E-16	-7.874E-16	1.571E+00	-2.250E+02	-9.665E+02	2.182E+00
17	1	40902.73	-213.60	40.80	1	-3.800E-17	-2.533E-16	8.253E-16	3.118E+03	8.777E+02	5.124E+02	6.866E-16	-9.780E-16	0.000E+00	3.229E+03	7.660E+02	2.145E-01
17	2	40912.23	-254.53	40.80	1	-7.785E-16	2.602E-16	6.360E-32	-7.221E+02	-4.695E+02	-3.486E+02	2.602E-16	-7.785E-16	1.571E+00	-2.250E+02	-9.665E+02	2.182E+00
17	3	40921.73	-213.60	40.80	1	2.209E-15	-2.954E-15	-6.323E-31	3.005E+03	8.734E+02	-1.082E+03	2.209E-15	-2.954E-15	0.000E+00	3.458E+03	4.206E+02	-3.964E-01
17	4	40912.23	-172.67	40.80	1	-4.660E-15	4.142E-15	-5.390E-31	6.867E+03	2.451E+03	7.564E+00	4.142E-15	-4.660E-15	1.571E+00	6.867E+03	2.451E+03	1.713E-03
18	1	40940.06	-213.60	40.80	1	-8.686E-16	8.308E-17	-2.886E-16	2.865E+03	6.025E+02	-1.448E+03	1.638E-16	-9.493E-16	1.571E+00	3.571E+03	-1.042E+02	-4.539E-01
18	2	40967.23	-254.53	40.80	1	-8.001E-16	2.818E-16	6.625E-32	1.536E+02	-1.368E+03	-1.357E+03	2.818E-16	-8.001E-16	1.571E+00	9.482E+02	-2.162E+03	-5.299E-01
18	3	40994.40	-213.60	40.80	1	6.896E-16	-9.406E-16	-1.996E-31	1.469E+03	-2.793E+03	-1.396E+03	6.896E-16	-9.406E-16	0.000E+00	1.886E+03	-3.210E+03	-2.899E-01
18	4	40967.23	-172.67	40.80	1	-1.738E-15	1.220E-15	-1.811E-31	4.366E+03	-1.420E+03	5.273E+02	1.220E-15	-1.738E-15	1.571E+00	4.414E+03	-1.468E+03	9.014E-02
19	1	41020.48	-213.60	40.80	1	-2.170E-24	-1.446E-23	-2.028E-23	1.480E+03	-2.238E+03	-9.030E+02	1.287E-23	-2.951E-23	0.000E+00	1.687E+03	-2.446E+03	-2.261E-01
19	2	41045.48	-254.53	40.80	1	-5.559E-23	2.208E-23	4.756E-39	5.867E+02	-2.027E+03	-1.089E+03	2.208E-23	-5.559E-23	1.571E+00	9.811E+02	-2.422E+03	-3.474E-01
19	3	41070.48	-213.60	40.80	1	1.178E-23	-6.218E-23	-9.057E-39	7.017E+02	-1.955E+03	-6.178E+02	1.178E-23	-6.218E-23	0.000E+00	8.383E+02	-2.091E+03	-2.177E-01
19	4	41045.48	-172.67	40.80	1	-2.970E-23	-3.815E-24	-1.585E-39	1.754E+03	-2.840E+03	2.373E+02	-3.815E-24	-2.970E-23	1.571E+00	1.766E+03	-2.852E+03	5.148E-02
20	1	41095.48	-213.60	40.80	1	-5.612E-23	5.721E-24	2.028E-23	8.538E+02	-1.079E+03	-4.012E+02	1.178E-23	-6.218E-23	1.571E+00	9.337E+02	-1.159E+03	-1.968E-01
20	2	41120.48	-254.53	40.80	1	-5.559E-23	2.208E-23	4.756E-39	2.512E+02	-4.886E+02	-5.134E+02	2.208E-23	-5.559E-23	1.571E+00	5.141E+02	-7.515E+02	-4.732E-01
20	3	41145.48	-213.60	40.80	1	1.287E-23	-2.951E-23	-5.190E-39	5.710E+02	-2.886E+02	-2.466E+02	1.287E-23	-2.951E-23	0.000E+00	6.367E+02	-3.543E+02	-2.605E-01
20	4	41120.48	-172.67	40.80	1	-2.970E-23	-3.815E-24	-1.585E-39	1.186E+03	-9.328E+02	-9.497E+01	-3.815E-24	-2.970E-23	1.571E+00	1.191E+03	-9.371E+02	-4.470E-02
21	1	40902.73	-76.10	40.80	1	3.090E-17	2.060E-16	8.253E-16	-6.267E+01	-4.460E+02	-3.362E+02	9.484E-16	-7.115E-16	1.571E+00	1.326E+02	-6.413E+02	-5.263E-01
21	2	40912.23	-126.83	40.80	1	-4.204E-15	4.623E-15	5.405E-31	4.315E+03	-5.652E+02	2.286E+02	4.623E-15	-4.204E-15	1.571E+00	4.326E+03	-5.758E+02	4.670E-02
21	3	40921.73	-76.10	40.80	1	2.762E-15	-2.162E-15	-6.030E-31	3.567E+01	1.385E+02	1.391E+03	2.762E-15	-2.162E-15	0.000E+00	1.479E+03	-1.305E+03	8.039E-01
21	4	40912.23	-25.37	40.80	1	-2.088E-16	6.269E-16	-5.117E-32	-4.364E+03	6.963E+01	-1.906E+02	6.269E-16	-2.088E-16	1.571E+00	7.780E+01	-4.372E+03	1.614E+00
22	1	40940.06	-76.10	40.80	1	6.993E-16	-7.729E-17	-2.886E-16	-7.434E+01	-2.695E+02	1.468E+03	7.948E-16	-1.728E-16	0.000E+00	1.299E+03	-1.643E+03	7.522E-01
22	2	40967.23	-126.83	40.80	1	-1.288E-15	1.706E-15	1.833E-31	2.981E+03	-1.921E+03	9.855E+02	1.706E-15	-1.288E-15	1.571E+00	3.172E+03	-2.112E+03	1.911E-01
22	3	40994.40	-76.10	40.80	1	9.118E-16	-6.975E-16	-1.971E-31	-9.323E+01	-2.096E+03	1.460E+03	9.118E-16	-6.975E-16	0.000E+00	6.754E+02	-2.865E+03	4.847E-01
22	4	40967.23	-25.37	40.80	1	-2.218E-16	6.400E-16	-5.277E-32	-3.004E+03	-1.461E+03	-6.677E+02	6.400E-16	-2.218E-16	1.571E+00	-1.212E+03	-3.253E+03	1.928E+00
23	1	41020.48	-76.10	40.80	1	3.686E-29	2.490E-29	-7.779E-30	-1.422E+02	-2.461E+03	1.007E+03	4.069E-29	2.107E-29	0.000E+00	2.340E+02	-2.837E+03	3.576E-01
23	2	41045.48	-126.83	40.80	1	-4.998E-29	7.635E-29	7.735E-45	1.198E+03	-3.099E+03	3.623E+02	7.635E-29	-4.998E-29	1.571E+00	1.228E+03	-3.130E+03	8.353E-02
23	3	41070.48	-76.10	40.80	1	7.134E-29	-2.824E-29	-1.220E-44	1.504E+01	-1.469E+03	6.749E+02	7.134E-29	-2.824E-29	0.000E+00	2.760E+02	-1.730E+03	3.690E-01
23	4	41045.48	-25.37	40.80	1	-1.488E-29	9.336E-29	-6.628E-45	-1.242E+03	-1.687E+03	-3.564E+02	9.336E-29	-1.488E-29	1.571E+00	-1.045E+03	-1.885E+03	-5.066E-01
24	1	41120.48	-126.83	40.80	1	-1.530E-32	2.437E-32	3.870E-32	-1.060E+03	6.920E+02	9.108E+01	4.803E-32	-3.895E-32	1.571E+00	6.967E+02	-1.065E+03	1.519E+00

24	2	41145.48	-76.10	40.80	1	-5.673E-33	1.834E-31	1.158E-47	-1.573E+02	2.193E+02	-2.567E+02	1.834E-31	-5.673E-33	1.571E+00	3.493E+02	-2.873E+02	2.040E+00
24	3	41120.48	-25.37	40.80	1	3.604E-31	5.269E-34	-4.407E-47	-4.076E+02	-3.625E+02	1.374E+02	3.604E-31	5.269E-34	0.000E+00	-2.457E+02	-5.243E+02	8.667E-01
24	4	41095.48	-76.10	40.80	1	2.139E-32	1.708E-31	-9.151E-48	-1.175E+03	9.720E+01	-4.125E+02	1.708E-31	2.139E-32	1.571E+00	2.193E+02	-1.297E+03	1.859E+00
25	1	40902.73	76.10	40.80	1	3.090E-17	2.060E-16	-8.253E-16	-6.267E+01	-4.460E+02	3.362E+02	9.484E-16	-7.115E-16	1.571E+00	1.326E+02	-6.413E+02	5.263E-01
25	2	40912.23	25.37	40.80	1	-2.088E-16	6.269E-16	5.117E-32	-4.364E+03	6.963E+01	-1.906E+02	6.269E-16	-2.088E-16	1.571E+00	7.780E+01	-4.372E+03	1.614E+00
25	3	40921.73	76.10	40.80	1	2.762E-15	-2.162E-15	-6.030E-31	3.567E+01	1.385E+02	-1.391E+03	2.762E-15	-2.162E-15	0.000E+00	1.479E+03	-1.305E+03	2.338E+00
25	4	40912.23	126.83	40.80	1	-4.204E-15	4.623E-15	-5.405E-31	4.315E+03	-5.652E+02	-2.286E+02	4.623E-15	-4.204E-15	1.571E+00	4.326E+03	-5.758E+02	-4.670E-02
26	1	40940.06	76.10	40.80	1	6.993E-16	-7.729E-17	2.886E-16	-7.434E+01	-2.695E+02	-1.468E+03	7.948E-16	-1.728E-16	0.000E+00	1.299E+03	-1.643E+03	-7.522E-01
26	2	40967.23	25.37	40.80	1	-2.218E-16	6.400E-16	5.277E-32	-3.004E+03	-1.461E+03	-6.677E+02	6.400E-16	-2.218E-16	1.571E+00	-1.212E+03	-3.253E+03	1.928E+00
26	3	40994.40	76.10	40.80	1	9.118E-16	-6.975E-16	-1.971E-31	-9.323E+01	-2.096E+03	-1.460E+03	9.118E-16	-6.975E-16	0.000E+00	6.754E+02	-2.865E+03	-4.847E-01
26	4	40967.23	126.83	40.80	1	-1.288E-15	1.706E-15	-1.833E-31	2.981E+03	-1.921E+03	-9.855E+02	1.706E-15	-1.288E-15	1.571E+00	3.172E+03	-2.112E+03	-1.911E-01
27	1	41020.48	76.10	40.80	1	3.686E-29	2.490E-29	7.779E-30	-1.422E+02	-2.461E+03	-1.007E+03	4.069E-29	2.107E-29	0.000E+00	2.340E+02	-2.837E+03	-3.576E-01
27	2	41045.48	25.37	40.80	1	-1.488E-29	9.336E-29	6.628E-45	-1.242E+03	-1.687E+03	-3.564E+02	9.336E-29	-1.488E-29	1.571E+00	-1.045E+03	-1.885E+03	-5.066E-01
27	3	41070.48	76.10	40.80	1	7.134E-29	-2.824E-29	-1.220E-44	1.504E+01	-1.469E+03	-6.749E+02	7.134E-29	-2.824E-29	0.000E+00	2.760E+02	-1.730E+03	-3.690E-01
27	4	41045.48	126.83	40.80	1	-4.998E-29	7.635E-29	-7.735E-45	1.198E+03	-3.099E+03	-3.623E+02	7.635E-29	-4.998E-29	1.571E+00	1.228E+03	-3.130E+03	-8.353E-02
28	1	41120.48	25.37	40.80	1	3.637E-31	3.009E-32	-6.007E-32	-4.076E+02	-3.625E+02	1.374E+02	3.742E-31	1.960E-32	0.000E+00	-2.457E+02	-5.243E+02	8.667E-01
28	2	41145.48	76.10	40.80	1	3.260E-32	2.014E-31	1.034E-47	-1.573E+02	2.193E+02	2.567E+02	2.014E-31	3.260E-32	1.571E+00	3.493E+02	-2.873E+02	1.102E+00
28	3	41120.48	126.83	40.80	1	7.537E-32	-1.578E-32	-1.116E-47	-1.060E+03	6.920E+02	-9.108E+01	7.537E-32	-1.578E-32	0.000E+00	6.967E+02	-1.065E+03	1.623E+00
28	4	41095.48	76.10	40.80	1	1.712E-32	2.022E-31	-1.133E-47	-1.175E+03	9.720E+01	4.125E+02	2.022E-31	1.712E-32	1.571E+00	2.193E+02	-1.297E+03	1.283E+00
29	1	40902.73	213.60	40.80	1	-3.800E-17	-2.533E-16	-8.253E-16	3.118E+03	8.777E+02	-5.124E+02	6.866E-16	-9.780E-16	0.000E+00	3.229E+03	7.660E+02	-2.145E-01
29	2	40912.23	172.67	40.80	1	-4.660E-15	4.142E-15	5.390E-31	6.867E+03	2.451E+03	-7.564E+00	4.142E-15	-4.660E-15	1.571E+00	6.867E+03	2.451E+03	-1.713E-03
29	3	40921.73	213.60	40.80	1	2.209E-15	-2.954E-15	-6.323E-31	3.005E+03	8.734E+02	1.082E+03	2.209E-15	-2.954E-15	0.000E+00	3.458E+03	4.206E+02	3.964E-01
29	4	40912.23	254.53	40.80	1	-7.785E-16	2.602E-16	-6.360E-32	-7.221E+02	-4.695E+02	3.486E+02	2.602E-16	-7.785E-16	1.571E+00	-2.250E+02	-9.665E+02	9.592E-01
30	1	40940.06	213.60	40.80	1	-8.686E-16	8.308E-17	2.886E-16	2.865E+03	6.025E+02	1.448E+03	1.638E-16	-9.493E-16	1.571E+00	3.571E+03	-1.042E+02	4.539E-01
30	2	40967.23	172.67	40.80	1	-1.738E-15	1.220E-15	1.811E-31	4.366E+03	-1.420E+03	-5.273E+02	1.220E-15	-1.738E-15	1.571E+00	4.414E+03	-1.468E+03	-9.014E-02
30	3	40994.40	213.60	40.80	1	6.896E-16	-9.406E-16	-1.996E-31	1.469E+03	-2.793E+03	1.396E+03	6.896E-16	-9.406E-16	0.000E+00	1.886E+03	-3.210E+03	2.899E-01
30	4	40967.23	254.53	40.80	1	-8.001E-16	2.818E-16	-6.625E-32	1.536E+02	-1.368E+03	1.357E+03	2.818E-16	-8.001E-16	1.571E+00	9.482E+02	-2.162E+03	5.299E-01
31	1	41020.48	213.60	40.80	1	-2.077E-29	-1.243E-29	1.774E-29	1.480E+03	-2.238E+03	9.030E+02	1.622E-30	-3.482E-29	1.571E+00	1.687E+03	-2.446E+03	2.261E-01
31	2	41045.48	172.67	40.80	1	-7.481E-29	5.926E-29	8.209E-45	1.754E+03	-2.840E+03	-2.373E+02	5.926E-29	-7.481E-29	1.571E+00	1.766E+03	-2.852E+03	-5.148E-02
31	3	41070.48	213.60	40.80	1	4.659E-29	-6.858E-29	-1.410E-44	7.017E+02	-1.955E+03	6.178E+02	4.659E-29	-6.858E-29	0.000E+00	8.383E+02	-2.091E+03	2.177E-01
31	4	41045.48	254.53	40.80	1	-6.406E-29	2.442E-29	-5.418E-45	5.867E+02	-2.027E+03	1.089E+03	2.442E-29	-6.406E-29	1.571E+00	9.811E+02	-2.422E+03	3.474E-01
32	1	41120.48	172.67	40.80	1	3.759E-35	4.365E-35	5.553E-35	-9.328E+02	1.186E+03	-9.497E+01	9.623E-35	-1.499E-35	1.571E+00	1.191E+03	-9.371E+02	1.615E+00
32	2	41145.48	213.60	40.80	1	-1.148E-34	3.143E-34	2.627E-50	-2.886E+02	5.710E+02	-2.466E+02	3.143E-34	-1.148E-34	1.571E+00	6.367E+02	-3.543E+02	1.831E+00
32	3	41120.48	254.53	40.80	1	3.438E-34	-2.749E-35	-4.546E-50	-4.886E+02	2.512E+02	-5.134E+02	3.438E-34	-2.749E-35	0.000E+00	5.141E+02	-7.515E+02	2.044E+00
32	4	41095.48	213.60	40.80	1	-1.257E-34	3.237E-34	-2.751E-50	-1.079E+03	8.538E+02	-4.012E+02	3.237E-34	-1.257E-34	1.571E+00	9.337E+02	-1.159E+03	1.768E+00
101	1	2457.75	-167.95	29.55	1	-9.535E-15	-6.295E-14	-7.508E-17	1.587E+03	3.043E+02	1.098E+03	-9.535E-15	-6.295E-14	0.000E+00	2.218E+03	-3.262E+02	5.211E-01
101	2	2467.25	-178.45	29.55	1	-2.419E-14	2.406E-14	2.954E-30	4.482E+02	1.799E+03	1.015E+03	2.406E-14	-2.419E-14	1.571E+00	2.343E+03	-9.608E+01	1.079E+00
101	3	2476.75	-167.95	29.55	1	6.283E-14	9.421E-15	-6.540E-30	1.507E+03	3.593E+03	7.621E+02	6.283E-14	9.421E-15	0.000E+00	3.842E+03	1.259E+03	1.255E+00
101	4	2467.25	-157.45	29.55	1	-2.433E-14	2.423E-14	-2.973E-30	2.241E+03	2.630E+03	1.351E+03	2.423E-14	-2.433E-14	1.571E+00	3.800E+03	1.071E+03	8.569E-01
102	1	2495.08	-167.95	29.55	1	-3.363E-15	-2.240E-14	-7.650E-17	-1.658E+02	5.826E+02	3.706E+02	-3.363E-15	-2.240E-14	0.000E+00	7.351E+02	-3.183E+02	1.180E+00
102	2	2522.25	-178.45	29.55	1	-2.425E-14	2.382E-14	2.943E-30	-2.555E+02	-3.499E+03	2.401E+02	2.382E-14	-2.425E-14	1.571E+00	-2.378E+02	-3.517E+03	7.347E-02
102	3	2549.42	-167.95	29.55	1	2.160E-14	3.406E-15	-2.228E-30	-1.102E+03	-7.515E+03	-1.374E+02	2.160E-14	3.406E-15	0.000E+00	-1.099E+03	-7.518E+03	-2.141E-02
102	4	2522.25	-157.45	29.55	1	-2.451E-14	2.417E-14	-2.981E-30	-6.836E+02	-3.433E+03	1.030E+03	2.417E-14	-2.451E-14	1.571E+00	-3.403E+02	-3.776E+03	3.216E-01

103	1	2576.58	-167.95	29.55	1	-3.223E-15	-2.263E-14	1.091E-16	-1.102E+03	-7.515E+03	-1.374E+02	-3.222E-15	-2.263E-14	0.000E+00	-1.099E+03	-7.518E+03	-2.141E-02
103	2	2603.75	-178.45	29.55	1	-2.463E-14	2.403E-14	2.980E-30	-2.555E+02	-3.499E+03	-2.401E+02	2.403E-14	-2.463E-14	1.571E+00	-2.378E+02	-3.517E+03	-7.347E-02
103	3	2630.92	-167.95	29.55	1	2.137E-14	3.258E-15	-2.218E-30	-1.658E+02	5.826E+02	-3.706E+02	2.137E-14	3.258E-15	0.000E+00	7.351E+02	-3.183E+02	1.961E+00
103	4	2603.75	-157.45	29.55	1	-2.436E-14	2.373E-14	-2.945E-30	-6.836E+02	-3.433E+03	-1.030E+03	2.373E-14	-2.436E-14	1.571E+00	-3.403E+02	-3.776E+03	-3.216E-01
104	1	2649.25	-167.95	29.55	1	-9.409E-15	-6.310E-14	8.833E-17	1.507E+03	3.593E+03	-7.621E+02	-9.409E-15	-6.310E-14	0.000E+00	3.842E+03	1.259E+03	1.886E+00
104	2	2658.75	-178.45	29.55	1	-2.435E-14	2.420E-14	2.972E-30	4.482E+02	1.799E+03	-1.015E+03	2.420E-14	-2.435E-14	1.571E+00	2.343E+03	-9.608E+01	2.063E+00
104	3	2668.25	-167.95	29.55	1	6.276E-14	9.280E-15	-6.549E-30	1.587E+03	3.043E+02	-1.098E+03	6.276E-14	9.280E-15	0.000E+00	2.218E+03	-3.262E+02	-5.211E-01
104	4	2658.75	-157.45	29.55	1	-2.421E-14	2.388E-14	-2.945E-30	2.241E+03	2.630E+03	-1.351E+03	2.388E-14	-2.421E-14	1.571E+00	3.800E+03	1.071E+03	2.285E+00
105	1	2467.25	-146.95	29.55	1	-7.948E-17	-2.645E-16	-2.405E-14	1.972E+03	5.302E+02	-8.100E+02	2.387E-14	-2.422E-14	0.000E+00	2.336E+03	1.668E+02	-4.217E-01
105	2	2476.75	-136.45	29.55	1	9.264E-15	6.289E-14	3.284E-30	3.502E+03	-5.016E+03	-1.027E+03	6.289E-14	9.264E-15	1.571E+00	3.624E+03	-5.138E+03	-1.183E-01
105	3	2467.25	-125.95	29.55	1	2.431E-14	-2.450E-14	-5.978E-30	1.690E+03	-1.150E+04	-2.432E+02	2.431E-14	-2.450E-14	0.000E+00	1.695E+03	-1.150E+04	-1.843E-02
105	4	2457.75	-136.45	29.55	1	-6.284E-14	-9.844E-15	-3.245E-30	5.862E+02	-6.274E+03	-1.529E+03	-9.844E-15	-6.284E-14	1.571E+00	9.115E+02	-6.599E+03	-2.097E-01
106	1	2522.25	-146.95	29.55	1	-3.112E-16	1.433E-16	-2.383E-14	-3.792E+03	-2.690E+03	-1.338E+03	2.375E-14	-2.391E-14	1.571E+00	-1.794E+03	-4.687E+03	2.161E+00
106	2	2549.42	-136.45	29.55	1	3.641E-15	2.185E-14	1.115E-30	-7.045E+03	-6.750E+03	-6.004E+02	2.185E-14	3.641E-15	1.571E+00	-6.279E+03	-7.516E+03	2.236E+00
106	3	2522.25	-125.95	29.55	1	2.454E-14	-2.455E-14	-6.012E-30	-3.983E+03	-8.676E+03	-1.794E+03	2.454E-14	-2.455E-14	0.000E+00	-3.376E+03	-9.283E+03	-3.263E-01
106	4	2495.08	-136.45	29.55	1	-2.217E-14	-3.487E-15	-1.144E-30	-7.309E+02	-6.700E+03	-1.883E+03	-3.487E-15	-2.217E-14	1.571E+00	-1.868E+02	-7.244E+03	-2.814E-01
107	1	2603.75	-146.95	29.55	1	-6.526E-16	8.805E-17	-2.438E-14	-3.792E+03	-2.690E+03	1.338E+03	2.410E-14	-2.466E-14	1.571E+00	-1.794E+03	-4.687E+03	9.807E-01
107	2	2630.92	-136.45	29.55	1	3.418E-15	2.112E-14	1.084E-30	-7.309E+02	-6.700E+03	1.883E+03	2.112E-14	3.418E-15	1.571E+00	-1.868E+02	-7.244E+03	2.814E-01
107	3	2603.75	-125.95	29.55	1	2.359E-14	-2.443E-14	-5.881E-30	-3.983E+03	-8.676E+03	1.794E+03	2.359E-14	-2.443E-14	0.000E+00	-3.376E+03	-9.283E+03	3.263E-01
107	4	2576.58	-136.45	29.55	1	-2.289E-14	-3.049E-15	-1.215E-30	-7.045E+03	-6.750E+03	-6.004E+02	-3.049E-15	-2.289E-14	1.571E+00	-6.279E+03	-7.516E+03	2.236E+00
108	1	2658.75	-146.95	29.55	1	-3.478E-16	-4.398E-16	-2.462E-14	1.972E+03	5.302E+02	8.100E+02	2.422E-14	-2.501E-14	0.000E+00	2.336E+03	1.668E+02	4.217E-01
108	2	2668.25	-136.45	29.55	1	8.215E-15	6.301E-14	3.355E-30	5.862E+02	-6.274E+03	1.529E+03	6.301E-14	8.215E-15	1.571E+00	9.115E+02	-6.599E+03	2.097E-01
108	3	2658.75	-125.95	29.55	1	2.308E-14	-2.351E-14	-5.705E-30	1.690E+03	-1.150E+04	2.432E+02	2.308E-14	-2.351E-14	0.000E+00	1.695E+03	-1.150E+04	1.843E-02
108	4	2649.25	-136.45	29.55	1	-6.324E-14	-9.203E-15	-3.309E-30	3.502E+03	-5.016E+03	1.027E+03	-9.203E-15	-6.324E-14	1.571E+00	3.624E+03	-5.138E+03	1.183E-01
109	1	2457.75	-60.35	29.55	1	-5.359E-15	-3.152E-14	5.826E-17	-3.617E+04	-4.673E+02	-2.566E+03	-5.359E-15	-3.152E-14	0.000E+00	-2.838E+02	-3.635E+04	1.642E+00
109	2	2467.25	-100.58	29.55	1	-3.354E-15	2.635E-15	3.667E-31	-2.363E+04	-3.420E+03	1.077E+02	2.635E-15	-3.354E-15	1.571E+00	-3.420E+03	-2.364E+04	1.565E+00
109	3	2476.75	-60.35	29.55	1	3.151E-14	3.792E-15	-3.394E-30	-3.610E+04	-1.242E+03	7.619E+02	3.151E-14	3.792E-15	0.000E+00	-1.226E+03	-3.611E+04	1.549E+00
109	4	2467.25	-20.12	29.55	1	-3.311E-15	2.453E-15	-3.529E-31	-4.873E+04	7.093E+02	4.611E+02	2.453E-15	-3.311E-15	1.571E+00	7.136E+02	-4.873E+04	1.561E+00
110	1	2495.08	-60.35	29.55	1	-2.612E-15	-1.119E-14	-8.176E-16	-3.698E+04	-3.479E+03	1.249E+03	-2.534E-15	-1.126E-14	0.000E+00	-3.432E+03	-3.703E+04	1.534E+00
110	2	2522.25	-100.58	29.55	1	-2.981E-15	3.039E-15	3.686E-31	-1.828E+04	-1.414E+04	1.871E+03	3.039E-15	-2.981E-15	1.571E+00	-1.342E+04	-1.900E+04	1.203E+00
110	3	2549.42	-60.35	29.55	1	1.012E-14	2.820E-15	-8.944E-31	-3.542E+04	-1.863E+04	-1.257E+03	1.012E-14	2.820E-15	0.000E+00	-1.854E+04	-3.551E+04	1.645E+00
110	4	2522.25	-20.12	29.55	1	-5.045E-15	4.134E-15	-5.620E-31	-5.181E+04	-1.499E+04	1.665E+03	4.134E-15	-5.045E-15	1.571E+00	-1.492E+04	-5.189E+04	1.526E+00
111	1	2576.58	-60.35	29.55	1	-8.029E-17	-1.013E-14	9.574E-16	-3.542E+04	-1.863E+04	-1.257E+03	1.013E-14	-1.022E-14	0.000E+00	-1.854E+04	-3.551E+04	1.645E+00
111	2	2603.75	-100.58	29.55	1	-3.566E-15	3.320E-15	4.216E-31	-1.828E+04	-1.414E+04	-1.871E+03	3.320E-15	-3.566E-15	1.571E+00	-1.342E+04	-1.900E+04	1.938E+00
111	3	2630.92	-60.35	29.55	1	1.272E-14	9.362E-16	-1.443E-30	-3.698E+04	-3.479E+03	-1.249E+03	1.272E-14	9.362E-16	0.000E+00	-3.432E+03	-3.703E+04	1.608E+00
111	4	2603.75	-20.12	29.55	1	-8.389E-16	4.538E-15	-3.292E-31	-5.181E+04	-1.499E+04	1.665E+03	4.538E-15	-8.389E-16	1.571E+00	-1.492E+04	-5.189E+04	1.526E+00
112	1	2649.25	-60.35	29.55	1	-5.611E-15	-3.137E-14	6.673E-17	-3.610E+04	-1.242E+03	-7.619E+02	-5.611E-15	-3.137E-14	0.000E+00	-1.226E+03	-3.611E+04	1.593E+00
112	2	2658.75	-100.58	29.55	1	-3.584E-15	2.632E-15	3.806E-31	-2.363E+04	-3.420E+03	-1.077E+02	2.632E-15	-3.584E-15	1.571E+00	-3.420E+03	-2.364E+04	1.576E+00
112	3	2668.25	-60.35	29.55	1	3.162E-14	3.622E-15	-3.429E-30	-3.617E+04	-4.673E+02	2.566E+03	3.162E-14	3.622E-15	0.000E+00	-2.838E+02	-3.635E+04	1.499E+00
112	4	2658.75	-20.12	29.55	1	-3.406E-15	2.618E-15	-3.689E-31	-4.873E+04	7.093E+02	4.611E+02	2.618E-15	-3.406E-15	1.571E+00	7.136E+02	-4.873E+04	1.561E+00
113	1	2457.75	60.35	29.55	1	1.767E-15	3.158E-14	-5.525E-16	-3.617E+04	-4.673E+02	2.566E+03	3.158E-14	1.767E-15	1.571E+00	-2.838E+02	-3.635E+04	1.499E+00
113	2	2467.25	20.12	29.55	1	-6.227E-15	2.569E-15	5.386E-31	-4.873E+04	7.093E+02	4.611E+02	2.569E-15	-6.227E-15	1.571E+00	7.136E+02	-4.873E+04	1.561E+00
113	3	2476.75	60.35	29.55	1	-8.091E-15	-3.114E-14	-2.823E-30	-3.610E+04	-1.242E+03	-7.619E+02	-8.091E-15	-3.114E-14	0.000E+00	-1.226E+03	-3.611E+04	1.593E+00

113	4	2467.25	100.58	29.55	1	-4.817E-15	2.586E-15	-4.533E-31	-2.363E+04	-3.420E+03	-1.077E+02	2.586E-15	-4.817E-15	1.571E+00	-3.420E+03	-2.364E+04	1.576E+00
114	1	2495.08	60.35	29.55	1	-1.709E-15	1.150E-14	-1.903E-15	-3.698E+04	-3.479E+03	-1.249E+03	1.176E-14	-1.978E-15	1.571E+00	-3.432E+03	-3.703E+04	1.608E+00
114	2	2522.25	20.12	29.55	1	-1.098E-14	3.391E-15	8.797E-31	-5.181E+04	-1.499E+04	1.665E+03	3.391E-15	-1.098E-14	1.571E+00	-1.492E+04	-5.189E+04	1.526E+00
114	3	2549.42	60.35	29.55	1	-6.212E-15	-1.281E-14	-8.079E-31	-3.542E+04	-1.863E+04	1.257E+03	-6.212E-15	-1.281E-14	0.000E+00	-1.854E+04	-3.551E+04	1.496E+00
114	4	2522.25	100.58	29.55	1	-7.186E-15	5.534E-15	-7.789E-31	-1.828E+04	-1.414E+04	-1.871E+03	5.534E-15	-7.186E-15	1.571E+00	-1.342E+04	-1.900E+04	1.938E+00
115	1	2576.58	60.35	29.55	1	-6.580E-15	1.741E-14	-7.724E-15	-3.542E+04	-1.863E+04	1.257E+03	1.968E-14	-8.852E-15	1.571E+00	-1.854E+04	-3.551E+04	1.496E+00
115	2	2603.75	20.12	29.55	1	-4.036E-15	8.527E-15	7.692E-31	-5.181E+04	-1.499E+04	1.665E+03	8.527E-15	-4.036E-15	1.571E+00	-1.492E+04	-5.189E+04	1.526E+00
115	3	2630.92	60.35	29.55	1	1.098E-14	-1.375E-14	-3.028E-30	-3.698E+04	-3.479E+03	1.249E+03	1.098E-14	-1.375E-14	0.000E+00	-3.432E+03	-3.703E+04	1.534E+00
115	4	2603.75	100.58	29.55	1	-7.592E-15	1.116E-14	-1.148E-30	-1.828E+04	-1.414E+04	1.871E+03	1.116E-14	-7.592E-15	1.571E+00	-1.342E+04	-1.900E+04	1.203E+00
116	1	2649.25	60.35	29.55	1	1.409E-14	2.738E-14	2.681E-15	-3.610E+04	-1.242E+03	7.619E+02	2.790E-14	1.357E-14	1.571E+00	-1.226E+03	-3.611E+04	1.549E+00
116	2	2658.75	20.12	29.55	1	-9.329E-16	1.020E-14	6.819E-31	-4.873E+04	7.093E+02	4.611E+02	1.020E-14	-9.329E-16	1.571E+00	7.136E+02	-4.873E+04	1.561E+00
116	3	2668.25	60.35	29.55	1	8.580E-16	-3.394E-14	-4.261E-30	-3.617E+04	-4.673E+02	-2.566E+03	8.580E-16	-3.394E-14	0.000E+00	-2.838E+02	-3.635E+04	1.642E+00
116	4	2658.75	100.58	29.55	1	-1.256E-14	1.167E-14	-1.484E-30	-2.363E+04	-3.420E+03	1.077E+02	1.167E-14	-1.256E-14	1.571E+00	-3.420E+03	-2.364E+04	1.565E+00
117	1	2467.25	125.95	29.55	1	3.488E-16	-6.665E-15	2.258E-14	1.690E+03	-1.150E+04	2.432E+02	1.970E-14	-2.601E-14	0.000E+00	1.695E+03	-1.150E+04	1.843E-02
117	2	2476.75	136.45	29.55	1	-6.222E-14	-1.739E-14	2.745E-30	3.502E+03	-5.016E+03	1.027E+03	-1.739E-14	-6.222E-14	1.571E+00	3.624E+03	-5.138E+03	1.183E-01
117	3	2467.25	146.95	29.55	1	2.379E-14	-3.008E-14	-6.597E-30	1.972E+03	5.302E+02	8.100E+02	2.379E-14	-3.008E-14	0.000E+00	2.336E+03	1.668E+02	4.217E-01
117	4	2457.75	136.45	29.55	1	4.071E-15	6.294E-14	-3.605E-30	5.862E+02	-6.274E+03	1.529E+03	6.294E-14	4.071E-15	1.571E+00	9.115E+02	-6.599E+03	2.097E-01
118	1	2522.25	125.95	29.55	1	5.100E-15	-5.848E-15	1.917E-14	-3.983E+03	-8.676E+03	1.794E+03	1.956E-14	-2.031E-14	0.000E+00	-3.376E+03	-9.283E+03	3.263E-01
118	2	2549.42	136.45	29.55	1	-2.338E-14	-1.104E-15	1.364E-30	-7.045E+03	-6.750E+03	-6.004E+02	-1.104E-15	-2.338E-14	1.571E+00	-6.279E+03	-7.516E+03	2.236E+00
118	3	2522.25	146.95	29.55	1	2.735E-14	-3.134E-14	-7.187E-30	-3.792E+03	-2.690E+03	1.338E+03	2.735E-14	-3.134E-14	0.000E+00	-1.794E+03	-4.687E+03	9.807E-01
118	4	2495.08	136.45	29.55	1	-4.669E-15	2.441E-14	-1.780E-30	-7.309E+02	-6.700E+03	1.883E+03	2.441E-14	-4.669E-15	1.571E+00	-1.868E+02	-7.244E+03	2.814E-01
119	1	2603.75	125.95	29.55	1	4.609E-15	1.424E-14	3.391E-14	-3.983E+03	-8.676E+03	-1.794E+03	4.367E-14	-2.482E-14	1.571E+00	-3.376E+03	-9.283E+03	-3.263E-01
119	2	2630.92	136.45	29.55	1	-1.846E-14	2.737E-14	2.806E-30	-7.309E+02	-6.700E+03	-1.883E+03	2.737E-14	-1.846E-14	1.571E+00	-1.868E+02	-7.244E+03	-2.814E-01
119	3	2603.75	146.95	29.55	1	2.575E-14	-3.208E-15	-3.546E-30	-3.792E+03	-2.690E+03	-1.338E+03	2.575E-14	-3.208E-15	0.000E+00	-1.794E+03	-4.687E+03	2.161E+00
119	4	2576.58	136.45	29.55	1	1.212E-15	3.127E-14	-1.841E-30	-7.045E+03	-6.750E+03	-6.004E+02	3.127E-14	1.212E-15	1.571E+00	-6.279E+03	-7.516E+03	2.236E+00
120	1	2658.75	125.95	29.55	1	2.614E-15	7.677E-14	3.077E-14	1.690E+03	-1.150E+04	-2.432E+02	8.788E-14	-8.489E-15	1.571E+00	1.695E+03	-1.150E+04	-1.843E-02
120	2	2668.25	136.45	29.55	1	-5.831E-14	1.092E-13	1.025E-29	5.862E+02	-6.274E+03	-1.529E+03	1.092E-13	-5.831E-14	1.571E+00	9.115E+02	-6.599E+03	-2.097E-01
120	3	2658.75	146.95	29.55	1	7.994E-14	2.793E-14	-6.369E-30	1.972E+03	5.302E+02	-8.100E+02	7.994E-14	2.793E-14	0.000E+00	2.336E+03	1.668E+02	-4.217E-01
120	4	2649.25	136.45	29.55	1	3.458E-14	1.018E-13	-4.118E-30	3.502E+03	-5.016E+03	-1.027E+03	1.018E-13	3.458E-14	1.571E+00	3.624E+03	-5.138E+03	-1.183E-01
121	1	2467.25	157.45	29.55	1	7.735E-16	-4.158E-15	2.314E-14	2.630E+03	2.241E+03	1.351E+03	2.158E-14	-2.497E-14	0.000E+00	3.800E+03	1.071E+03	7.139E-01
121	2	2476.75	167.95	29.55	1	-6.322E-14	-1.552E-14	2.920E-30	3.593E+03	1.507E+03	7.621E+02	-1.552E-14	-6.322E-14	1.571E+00	3.842E+03	1.259E+03	3.155E-01
121	3	2467.25	178.45	29.55	1	2.387E-14	-2.984E-14	-6.576E-30	1.799E+03	4.482E+02	1.015E+03	2.387E-14	-2.984E-14	0.000E+00	2.343E+03	-9.608E+01	4.920E-01
121	4	2457.75	167.95	29.55	1	8.095E-15	6.129E-14	-3.257E-30	3.043E+02	1.587E+03	1.098E+03	6.129E-14	8.095E-15	1.571E+00	2.218E+03	-3.262E+02	1.050E+00
122	1	2522.25	157.45	29.55	1	-1.240E-15	-8.009E-15	1.976E-14	-3.433E+03	-6.836E+02	1.030E+03	1.542E-14	-2.467E-14	0.000E+00	-3.403E+02	-3.776E+03	1.249E+00
122	2	2549.42	167.95	29.55	1	-3.108E-14	-5.132E-15	1.589E-30	-7.515E+03	-1.102E+03	-1.374E+02	-5.132E-15	-3.108E-14	1.571E+00	-1.099E+03	-7.518E+03	1.592E+00
122	3	2522.25	178.45	29.55	1	2.176E-14	-3.569E-14	-7.036E-30	-3.499E+03	-2.555E+02	2.401E+02	2.176E-14	-3.569E-14	0.000E+00	-2.378E+02	-3.517E+03	1.497E+00
122	4	2495.08	167.95	29.55	1	-3.668E-15	1.670E-14	-1.247E-30	5.826E+02	-1.658E+02	3.706E+02	1.670E-14	-3.668E-15	1.571E+00	7.351E+02	-3.183E+02	3.903E-01
123	1	2603.75	157.45	29.55	1	1.068E-14	9.067E-15	2.868E-14	-3.433E+03	-6.836E+02	-1.030E+03	3.856E-14	-1.882E-14	0.000E+00	-3.403E+02	-3.776E+03	1.892E+00
123	2	2630.92	167.95	29.55	1	-2.345E-14	3.018E-14	3.284E-30	5.826E+02	-1.658E+02	-3.706E+02	3.018E-14	-2.345E-14	1.571E+00	7.351E+02	-3.183E+02	-3.903E-01
123	3	2603.75	178.45	29.55	1	3.113E-14	-1.574E-14	-5.739E-30	-3.499E+03	-2.555E+02	-2.401E+02	3.113E-14	-1.574E-14	0.000E+00	-2.378E+02	-3.517E+03	1.644E+00
123	4	2576.58	167.95	29.55	1	-2.969E-15	3.138E-14	-2.103E-30	-7.515E+03	-1.102E+03	-1.374E+02	3.138E-14	-2.969E-15	1.571E+00	-1.099E+03	-7.518E+03	1.592E+00
124	1	2658.75	157.45	29.55	1	4.755E-14	1.166E-13	3.702E-14	2.630E+03	2.241E+03	-1.351E+03	1.327E-13	3.146E-14	1.571E+00	3.800E+03	1.071E+03	-7.139E-01
124	2	2668.25	167.95	29.55	1	-9.821E-14	2.234E-13	1.969E-29	3.043E+02	1.587E+03	-1.098E+03	2.234E-13	-9.821E-14	1.571E+00	2.218E+03	-3.262E+02	2.092E+00

124	3	2658.75	178.45	29.55	1	1.550E-13	-6.559E-14	-2.701E-29	1.799E+03	4.482E+02	-1.015E+03	1.550E-13	-6.559E-14	0.000E+00	2.343E+03	-9.608E+01	-4.920E-01
124	4	2649.25	167.95	29.55	1	1.176E-15	1.272E-13	-7.719E-30	3.593E+03	1.507E+03	-7.621E+02	1.272E-13	1.176E-15	1.571E+00	3.842E+03	1.259E+03	-3.155E-01
125	1	5020.75	-167.95	32.10	1	-8.626E-01	9.201E-03	-4.583E-01	1.672E+03	3.708E+02	1.082E+03	2.058E-01	-1.059E+00	1.976E+00	2.284E+03	-2.413E+02	5.148E-01
125	2	5030.25	-178.45	32.10	1	-2.426E-02	-7.352E-01	-3.441E-01	3.920E+02	1.618E+03	9.816E+02	1.150E-01	-8.744E-01	-3.846E-01	2.162E+03	-1.522E+02	1.065E+00
125	3	5039.75	-167.95	32.10	1	5.549E-01	-4.097E-01	-6.928E-01	1.275E+03	3.284E+03	6.994E+02	9.167E-01	-7.715E-01	-4.813E-01	3.503E+03	1.055E+03	1.267E+00
125	4	5030.25	-157.45	32.10	1	-2.834E-01	3.347E-01	-8.070E-01	2.173E+03	2.538E+03	1.491E+03	8.898E-01	-8.385E-01	2.173E+00	3.857E+03	8.530E+02	8.463E-01
126	1	5058.08	-167.95	32.10	1	6.765E-01	4.013E-01	5.058E-01	-3.346E+02	3.518E+02	2.835E+02	1.063E+00	1.470E-02	6.526E-01	4.537E+02	-4.366E+02	1.226E+00
126	2	5085.25	-178.45	32.10	1	-8.702E-03	5.459E-01	6.653E-01	-2.201E+02	-3.495E+03	1.185E+02	9.894E-01	-4.522E-01	9.828E-01	-2.158E+02	-3.499E+03	3.611E-02
126	3	5112.41	-167.95	32.10	1	-5.707E-01	4.007E-01	8.246E-01	-8.731E+02	-7.299E+03	8.684E+01	8.720E-01	-1.042E+00	1.052E+00	-8.719E+02	-7.300E+03	1.351E-02
126	4	5085.25	-157.45	32.10	1	1.145E-01	2.561E-01	6.651E-01	-6.672E+02	-3.452E+03	7.835E+02	8.541E-01	-4.836E-01	8.384E-01	-4.619E+02	-3.657E+03	2.563E-01
127	1	5139.58	-167.95	32.10	1	-5.713E-01	3.971E-01	-8.243E-01	-8.752E+02	-7.298E+03	7.021E+01	8.689E-01	-1.043E+00	2.091E+00	-8.744E+02	-7.299E+03	1.093E-02
127	2	5166.75	-178.45	32.10	1	-2.782E-03	5.376E-01	-6.702E-01	-2.250E+02	-3.502E+03	-1.030E+02	9.900E-01	-4.552E-01	2.165E+00	-2.218E+02	-3.506E+03	-3.137E-02
127	3	5193.91	-167.95	32.10	1	6.849E-01	3.977E-01	-5.158E-01	-3.457E+02	3.390E+02	-2.727E+02	1.077E+00	5.858E-03	-6.496E-01	4.344E+02	-4.410E+02	1.907E+00
127	4	5166.75	-157.45	32.10	1	1.165E-01	2.572E-01	-6.700E-01	-6.733E+02	-3.456E+03	-7.649E+02	8.604E-01	-4.868E-01	2.304E+00	-4.770E+02	-3.653E+03	-2.513E-01
128	1	5212.25	-167.95	32.10	1	5.623E-01	-4.196E-01	7.091E-01	1.261E+03	3.265E+03	-6.908E+02	9.339E-01	-7.911E-01	4.826E-01	3.480E+03	1.046E+03	1.873E+00
128	2	5221.75	-178.45	32.10	1	-2.768E-02	-7.522E-01	3.535E-01	3.896E+02	1.604E+03	-9.777E+02	1.162E-01	-8.961E-01	3.866E-01	2.148E+03	-1.541E+02	2.078E+00
128	3	5231.25	-167.95	32.10	1	-8.823E-01	7.325E-03	4.698E-01	1.672E+03	3.728E+02	-1.078E+03	2.095E-01	-1.084E+00	1.164E+00	2.282E+03	-2.365E+02	-5.143E-01
128	4	5221.75	-157.45	32.10	1	-2.923E-01	3.400E-01	8.254E-01	2.164E+03	2.532E+03	-1.494E+03	9.077E-01	-8.600E-01	9.683E-01	3.853E+03	8.426E+02	2.295E+00
129	1	5030.25	-146.95	32.10	1	2.192E-02	-2.369E+00	7.252E-01	2.059E+03	1.469E+03	-9.456E+02	2.247E-01	-2.571E+00	2.727E-01	2.754E+03	7.734E+02	-6.344E-01
129	2	5039.75	-136.45	32.10	1	2.597E-01	-3.263E+00	4.248E-01	3.700E+03	-3.862E+03	-9.655E+02	3.102E-01	-3.313E+00	1.183E-01	3.821E+03	-3.983E+03	-1.250E-01
129	3	5030.25	-125.95	32.10	1	-3.504E-02	-2.355E+00	1.367E-01	1.829E+03	-1.055E+04	-2.007E+02	-2.701E-02	-2.363E+00	5.868E-02	1.832E+03	-1.055E+04	-1.621E-02
129	4	5020.75	-136.45	32.10	1	-2.728E-01	-1.461E+00	4.372E-01	4.716E+02	-5.435E+03	-1.495E+03	-1.292E-01	-1.604E+00	3.173E-01	8.284E+02	-5.792E+03	-2.343E-01
130	1	5085.25	-146.95	32.10	1	-2.842E-03	-1.612E+00	-6.196E-01	-3.709E+03	-2.014E+03	-1.121E+03	2.081E-01	-1.823E+00	-3.282E-01	-1.456E+03	-4.266E+03	2.033E+00
130	2	5112.41	-136.45	32.10	1	-2.894E-02	1.058E-01	-6.495E-01	-7.050E+03	-6.363E+03	-5.754E+02	6.914E-01	-6.145E-01	2.305E+00	-6.036E+03	-7.377E+03	2.087E+00
130	3	5085.25	-125.95	32.10	1	-5.663E-02	-1.589E+00	-6.202E-01	-3.920E+03	-8.032E+03	-1.769E+03	1.629E-01	-1.808E+00	-3.403E-01	-3.263E+03	-8.688E+03	-3.552E-01
130	4	5058.08	-136.45	32.10	1	-3.053E-02	-3.306E+00	-5.903E-01	-5.792E+02	-5.545E+03	-1.831E+03	7.260E-02	-3.409E+00	-1.730E-01	2.292E+01	-6.147E+03	-3.177E-01
131	1	5166.75	-146.95	32.10	1	-7.542E-03	-1.648E+00	6.248E-01	-3.709E+03	-1.994E+03	1.105E+03	2.033E-01	-1.859E+00	3.255E-01	-1.453E+03	-4.250E+03	1.115E+00
131	2	5193.91	-136.45	32.10	1	-3.350E-02	-3.380E+00	5.974E-01	-5.746E+02	-5.501E+03	1.824E+03	6.995E-02	-3.484E+00	1.715E-01	2.729E+01	-6.103E+03	3.187E-01
131	3	5166.75	-125.95	32.10	1	-5.784E-02	-1.627E+00	6.254E-01	-3.917E+03	-8.013E+03	1.763E+03	1.610E-01	-1.846E+00	3.365E-01	-3.263E+03	-8.668E+03	3.554E-01
131	4	5139.58	-136.45	32.10	1	-3.188E-02	1.054E-01	6.528E-01	-7.052E+03	-6.361E+03	-5.636E+02	6.931E-01	-6.196E-01	8.378E-01	-6.046E+03	-7.368E+03	2.081E+00
132	1	5221.75	-146.95	32.10	1	1.989E-02	-2.426E+00	-7.452E-01	2.061E+03	1.507E+03	9.483E+02	2.291E-01	-2.635E+00	-2.736E-01	2.772E+03	7.963E+02	6.433E-01
132	2	5231.25	-136.45	32.10	1	-2.786E-01	-1.503E+00	-4.520E-01	4.674E+02	-5.403E+03	1.490E+03	-1.298E-01	-1.652E+00	-3.180E-01	8.238E+02	-5.759E+03	2.348E-01
132	3	5221.75	-125.95	32.10	1	-3.557E-02	-2.413E+00	-1.466E-01	1.836E+03	-1.051E+04	1.964E+02	-2.656E-02	-2.422E+00	-6.137E-02	1.839E+03	-1.052E+04	1.590E-02
132	4	5212.25	-136.45	32.10	1	2.630E-01	-3.336E+00	-4.398E-01	3.708E+03	-3.817E+03	9.579E+02	3.159E-01	-3.389E+00	-1.199E-01	3.828E+03	-3.937E+03	1.247E-01
133	1	5020.75	-60.35	32.10	1	-1.438E+00	4.579E-02	-3.483E-03	-3.539E+04	-4.480E+02	-2.587E+03	4.580E-02	-1.438E+00	1.573E+00	-2.574E+02	-3.558E+04	1.644E+00
133	2	5030.25	-100.58	32.10	1	-1.410E+00	1.066E-01	3.575E-02	-2.283E+04	-3.391E+03	8.004E+01	1.075E-01	-1.411E+00	1.547E+00	-3.391E+03	-2.283E+04	1.567E+00
133	3	5039.75	-60.35	32.10	1	-1.395E+00	2.660E-02	-6.282E-03	-3.533E+04	-1.244E+03	7.532E+02	2.663E-02	-1.395E+00	1.575E+00	-1.227E+03	-3.535E+04	1.549E+00
133	4	5030.25	-20.12	32.10	1	-1.422E+00	-3.422E-02	-4.552E-02	-4.798E+04	7.164E+02	4.646E+02	-3.273E-02	-1.424E+00	1.604E+00	7.209E+02	-4.799E+04	1.561E+00
134	1	5058.08	-60.35	32.10	1	-1.395E+00	2.781E-02	1.510E-01	-3.621E+04	-3.466E+03	1.242E+03	4.367E-02	-1.411E+00	1.466E+00	-3.419E+03	-3.626E+04	1.533E+00
134	2	5085.25	-100.58	32.10	1	-1.147E+00	9.664E-03	2.962E-01	-1.752E+04	-1.414E+04	1.876E+03	8.114E-02	-1.218E+00	1.334E+00	-1.331E+04	-1.836E+04	1.152E+00
134	3	5112.41	-60.35	32.10	1	-8.757E-01	-1.578E-01	1.666E-01	-3.467E+04	-1.874E+04	1.243E+03	-1.210E-01	-9.125E-01	1.354E+00	-1.865E+04	-3.476E+04	1.493E+00
134	4	5085.25	-20.12	32.10	1	-1.124E+00	-1.396E-01	2.140E-02	-5.107E+04	-1.501E+04	1.654E+03	-1.392E-01	-1.124E+00	1.549E+00	-1.494E+04	-5.115E+04	1.525E+00
135	1	5139.58	-60.35	32.10	1	-8.764E-01	-1.628E-01	-1.679E-01	-3.467E+04	-1.875E+04	1.247E+03	-1.253E-01	-9.139E-01	1.791E+00	-1.865E+04	-3.477E+04	1.493E+00

135	2	5166.75	-100.58	32.10	1	-1.165E+00	1.146E-02	-3.066E-01	-1.751E+04	-1.414E+04	-1.866E+03	8.655E-02	-1.240E+00	1.811E+00	-1.331E+04	-1.834E+04	1.989E+00
135	3	5193.91	-60.35	32.10	1	-1.430E+00	3.511E-02	-1.522E-01	-3.620E+04	-3.460E+03	-1.245E+03	5.075E-02	-1.446E+00	1.673E+00	-3.413E+03	-3.624E+04	1.609E+00
135	4	5166.75	-20.12	32.10	1	-1.142E+00	-1.391E-01	-1.347E-02	-5.107E+04	-1.501E+04	-1.655E+03	-1.389E-01	-1.142E+00	1.584E+00	-1.494E+04	-5.115E+04	1.617E+00
136	1	5212.25	-60.35	32.10	1	-1.431E+00	2.617E-02	9.695E-03	-3.532E+04	-1.244E+03	-7.494E+02	2.623E-02	-1.431E+00	1.564E+00	-1.228E+03	-3.533E+04	1.593E+00
136	2	5221.75	-100.58	32.10	1	-1.450E+00	1.088E-01	-3.951E-02	-2.281E+04	-3.391E+03	-7.970E+01	1.098E-01	-1.451E+00	1.596E+00	-3.391E+03	-2.281E+04	1.575E+00
136	3	5231.25	-60.35	32.10	1	-1.482E+00	4.874E-02	6.860E-03	-3.538E+04	-4.448E+02	2.593E+03	4.877E-02	-1.482E+00	1.566E+00	-2.534E+02	-3.557E+04	1.497E+00
136	4	5221.75	-20.12	32.10	1	-1.462E+00	-3.388E-02	5.607E-02	-4.798E+04	7.195E+02	-4.661E+02	-3.168E-02	-1.465E+00	1.532E+00	7.239E+02	-4.798E+04	1.580E+00
137	1	5020.75	60.35	32.10	1	-1.438E+00	4.579E-02	3.483E-03	-3.539E+04	-4.480E+02	2.587E+03	4.580E-02	-1.438E+00	1.568E+00	-2.574E+02	-3.558E+04	1.497E+00
137	2	5030.25	20.12	32.10	1	-1.422E+00	-3.422E-02	4.552E-02	-4.798E+04	7.164E+02	4.646E+02	-3.273E-02	-1.424E+00	1.538E+00	7.209E+02	-4.799E+04	1.561E+00
137	3	5039.75	60.35	32.10	1	-1.395E+00	2.660E-02	6.282E-03	-3.533E+04	-1.244E+03	-7.532E+02	2.663E-02	-1.395E+00	1.566E+00	-1.227E+03	-3.535E+04	1.593E+00
137	4	5030.25	100.58	32.10	1	-1.410E+00	1.066E-01	-3.575E-02	-2.283E+04	-3.391E+03	-8.004E+01	1.075E-01	-1.411E+00	1.594E+00	-3.391E+03	-2.283E+04	1.575E+00
138	1	5058.08	60.35	32.10	1	-1.395E+00	2.781E-02	-1.510E-01	-3.621E+04	-3.466E+03	-1.242E+03	4.367E-02	-1.411E+00	1.675E+00	-3.419E+03	-3.626E+04	1.609E+00
138	2	5085.25	20.12	32.10	1	-1.124E+00	-1.396E-01	-2.140E-02	-5.107E+04	-1.501E+04	1.654E+03	-1.392E-01	-1.124E+00	1.593E+00	-1.494E+04	-5.115E+04	1.525E+00
138	3	5112.41	60.35	32.10	1	-8.757E-01	-1.578E-01	-1.666E-01	-3.467E+04	-1.874E+04	-1.243E+03	-1.210E-01	-9.125E-01	1.788E+00	-1.865E+04	-3.476E+04	1.648E+00
138	4	5085.25	100.58	32.10	1	-1.147E+00	9.664E-03	-2.962E-01	-1.752E+04	-1.414E+04	-1.876E+03	8.114E-02	-1.218E+00	1.808E+00	-1.331E+04	-1.836E+04	1.990E+00
139	1	5139.58	60.35	32.10	1	-8.764E-01	-1.628E-01	1.679E-01	-3.467E+04	-1.875E+04	-1.247E+03	-1.253E-01	-9.139E-01	1.351E+00	-1.865E+04	-3.477E+04	1.648E+00
139	2	5166.75	20.12	32.10	1	-1.142E+00	-1.391E-01	1.347E-02	-5.107E+04	-1.501E+04	-1.655E+03	-1.389E-01	-1.142E+00	1.557E+00	-1.494E+04	-5.115E+04	1.617E+00
139	3	5193.91	60.35	32.10	1	-1.430E+00	3.511E-02	1.522E-01	-3.620E+04	-3.460E+03	1.245E+03	5.075E-02	-1.446E+00	1.468E+00	-3.413E+03	-3.624E+04	1.533E+00
139	4	5166.75	100.58	32.10	1	-1.165E+00	1.146E-02	3.066E-01	-1.751E+04	-1.414E+04	1.866E+03	8.655E-02	-1.240E+00	1.331E+00	-1.331E+04	-1.834E+04	1.153E+00
140	1	5212.25	60.35	32.10	1	-1.431E+00	2.617E-02	-9.695E-03	-3.532E+04	-1.244E+03	7.494E+02	2.623E-02	-1.431E+00	1.577E+00	-1.228E+03	-3.533E+04	1.549E+00
140	2	5221.75	20.12	32.10	1	-1.462E+00	-3.388E-02	-5.607E-02	-4.798E+04	7.195E+02	-4.661E+02	-3.168E-02	-1.465E+00	1.610E+00	7.239E+02	-4.798E+04	1.580E+00
140	3	5231.25	60.35	32.10	1	-1.482E+00	4.874E-02	-6.860E-03	-3.538E+04	-4.448E+02	-2.593E+03	4.877E-02	-1.482E+00	1.575E+00	-2.534E+02	-3.557E+04	1.644E+00
140	4	5221.75	100.58	32.10	1	-1.450E+00	1.088E-01	3.951E-02	-2.281E+04	-3.391E+03	7.970E+01	1.098E-01	-1.451E+00	1.545E+00	-3.391E+03	-2.281E+04	1.567E+00
141	1	5030.25	125.95	32.10	1	-3.504E-02	-2.355E+00	-1.367E-01	1.829E+03	-1.055E+04	2.007E+02	-2.701E-02	-2.363E+00	-5.868E-02	1.832E+03	-1.055E+04	1.621E-02
141	2	5039.75	136.45	32.10	1	2.597E-01	-3.263E+00	-4.248E-01	3.700E+03	-3.862E+03	9.655E+02	3.102E-01	-3.313E+00	-1.183E-01	3.821E+03	-3.983E+03	1.250E-01
141	3	5030.25	146.95	32.10	1	2.192E-02	-2.369E+00	-7.252E-01	2.059E+03	1.469E+03	9.456E+02	2.247E-01	-2.571E+00	-2.727E-01	2.754E+03	7.734E+02	6.344E-01
141	4	5020.75	136.45	32.10	1	-2.728E-01	-1.461E+00	-4.372E-01	4.716E+02	-5.435E+03	1.495E+03	-1.292E-01	-1.604E+00	-3.173E-01	8.284E+02	-5.792E+03	2.343E-01
142	1	5085.25	125.95	32.10	1	-5.663E-02	-1.589E+00	6.202E-01	-3.920E+03	-8.032E+03	1.769E+03	1.629E-01	-1.808E+00	3.403E-01	-3.263E+03	-8.688E+03	3.552E-01
142	2	5112.41	136.45	32.10	1	-2.894E-02	1.058E-01	6.495E-01	-7.050E+03	-6.363E+03	5.754E+02	6.914E-01	-6.145E-01	8.371E-01	-6.036E+03	-7.377E+03	1.055E+00
142	3	5085.25	146.95	32.10	1	-2.842E-03	-1.612E+00	6.196E-01	-3.709E+03	-2.014E+03	1.121E+03	2.081E-01	-1.823E+00	3.282E-01	-1.456E+03	-4.266E+03	1.109E+00
142	4	5058.08	136.45	32.10	1	-3.053E-02	-3.306E+00	5.903E-01	-5.792E+02	-5.545E+03	1.831E+03	7.260E-02	-3.409E+00	1.730E-01	2.292E+01	-6.147E+03	3.177E-01
143	1	5166.75	125.95	32.10	1	-5.784E-02	-1.627E+00	-6.254E-01	-3.917E+03	-8.013E+03	-1.763E+03	1.610E-01	-1.846E+00	-3.365E-01	-3.263E+03	-8.668E+03	-3.554E-01
143	2	5193.91	136.45	32.10	1	-3.350E-02	-3.380E+00	-5.974E-01	-5.746E+02	-5.501E+03	-1.824E+03	6.995E-02	-3.484E+00	-1.715E-01	2.729E+01	-6.103E+03	-3.187E-01
143	3	5166.75	146.95	32.10	1	-7.542E-03	-1.648E+00	-6.248E-01	-3.709E+03	-1.994E+03	-1.105E+03	2.033E-01	-1.859E+00	-3.255E-01	-1.453E+03	-4.250E+03	2.026E+00
143	4	5139.58	136.45	32.10	1	-3.188E-02	1.054E-01	-6.528E-01	-7.052E+03	-6.361E+03	5.636E+02	6.931E-01	-6.196E-01	2.304E+00	-6.046E+03	-7.368E+03	1.060E+00
144	1	5221.75	125.95	32.10	1	-3.557E-02	-2.413E+00	1.466E-01	1.836E+03	-1.051E+04	-1.964E+02	-2.656E-02	-2.422E+00	6.137E-02	1.839E+03	-1.052E+04	-1.590E-02
144	2	5231.25	136.45	32.10	1	-2.786E-01	-1.503E+00	4.520E-01	4.674E+02	-5.403E+03	-1.490E+03	-1.298E-01	-1.652E+00	3.180E-01	8.238E+02	-5.759E+03	-2.348E-01
144	3	5221.75	146.95	32.10	1	1.989E-02	-2.426E+00	7.452E-01	2.061E+03	1.507E+03	-9.483E+02	2.291E-01	-2.635E+00	2.736E-01	2.772E+03	7.963E+02	-6.433E-01
144	4	5212.25	136.45	32.10	1	2.630E-01	-3.336E+00	4.398E-01	3.708E+03	-3.817E+03	-9.579E+02	3.159E-01	-3.389E+00	1.199E-01	3.828E+03	-3.937E+03	-1.247E-01
145	1	5030.25	157.45	32.10	1	3.347E-01	-2.834E-01	-8.070E-01	2.538E+03	2.173E+03	1.491E+03	8.898E-01	-8.385E-01	-6.025E-01	3.857E+03	8.530E+02	7.245E-01
145	2	5039.75	167.95	32.10	1	-4.097E-01	5.549E-01	-6.928E-01	3.284E+03	1.275E+03	6.994E+02	9.167E-01	-7.715E-01	2.052E+00	3.503E+03	1.055E+03	3.041E-01
145	3	5030.25	178.45	32.10	1	-7.352E-01	-2.426E-02	-3.441E-01	1.618E+03	3.920E+02	9.816E+02	1.150E-01	-8.744E-01	1.955E+00	2.162E+03	-1.522E+02	5.062E-01
145	4	5020.75	167.95	32.10	1	9.201E-03	-8.626E-01	-4.583E-01	3.708E+02	1.672E+03	1.082E+03	2.058E-01	-1.059E+00	-4.052E-01	2.284E+03	-2.413E+02	1.056E+00



146	1	5085.25	157.45	32.10	1	2.561E-01	1.145E-01	6.651E-01	-3.452E+03	-6.672E+02	7.835E+02	8.541E-01	-4.836E-01	7.324E-01	-4.619E+02	-3.657E+03	1.315E+00
146	2	5112.41	167.95	32.10	1	4.007E-01	-5.707E-01	8.246E-01	-7.299E+03	-8.731E+02	8.684E+01	8.720E-01	-1.042E+00	5.192E-01	-8.719E+02	-7.300E+03	1.557E+00
146	3	5085.25	178.45	32.10	1	5.459E-01	-8.702E-03	6.653E-01	-3.495E+03	-2.201E+02	1.185E+02	9.894E-01	-4.522E-01	5.880E-01	-2.158E+02	-3.499E+03	1.535E+00
146	4	5058.08	167.95	32.10	1	4.013E-01	6.765E-01	5.058E-01	3.518E+02	-3.346E+02	2.835E+02	1.063E+00	1.470E-02	9.182E-01	4.537E+02	-4.366E+02	3.452E-01
147	1	5166.75	157.45	32.10	1	2.572E-01	1.165E-01	-6.700E-01	-3.456E+03	-6.733E+02	-7.649E+02	8.604E-01	-4.868E-01	-7.331E-01	-4.770E+02	-3.653E+03	1.822E+00
147	2	5193.91	167.95	32.10	1	3.977E-01	6.849E-01	-5.158E-01	3.390E+02	-3.457E+02	-2.727E+02	1.077E+00	5.858E-03	2.220E+00	4.344E+02	-4.410E+02	-3.363E-01
147	3	5166.75	178.45	32.10	1	5.376E-01	-2.782E-03	-6.702E-01	-3.502E+03	-2.250E+02	-1.030E+02	9.900E-01	-4.552E-01	-5.938E-01	-2.218E+02	-3.506E+03	1.602E+00
147	4	5139.58	167.95	32.10	1	3.971E-01	-5.713E-01	-8.243E-01	-7.298E+03	-8.752E+02	7.021E+01	8.689E-01	-1.043E+00	-5.199E-01	-8.744E+02	-7.299E+03	1.560E+00
148	1	5221.75	157.45	32.10	1	3.400E-01	-2.923E-01	8.254E-01	2.532E+03	2.164E+03	-1.494E+03	9.077E-01	-8.600E-01	6.025E-01	3.853E+03	8.426E+02	-7.240E-01
148	2	5231.25	167.95	32.10	1	7.325E-03	-8.823E-01	4.698E-01	3.728E+02	1.672E+03	-1.078E+03	2.095E-01	-1.084E+00	4.063E-01	2.282E+03	-2.365E+02	2.085E+00
148	3	5221.75	178.45	32.10	1	-7.522E-01	-2.768E-02	3.535E-01	1.604E+03	3.896E+02	-9.777E+02	1.162E-01	-8.961E-01	1.184E+00	2.148E+03	-1.541E+02	-5.075E-01
148	4	5212.25	167.95	32.10	1	-4.196E-01	5.623E-01	7.091E-01	3.265E+03	1.261E+03	-6.908E+02	9.339E-01	-7.911E-01	1.088E+00	3.480E+03	1.046E+03	-3.019E-01
149	1	7583.75	-167.95	34.65	1	-1.259E-06	-8.394E-06	8.882E-16	1.587E+03	3.043E+02	1.098E+03	-1.259E-06	-8.394E-06	1.245E-10	2.218E+03	-3.262E+02	5.211E-01
149	2	7593.25	-178.45	34.65	1	2.842E-14	2.842E-14	3.228E-06	4.482E+02	1.799E+03	1.015E+03	3.228E-06	-3.228E-06	7.854E-01	2.343E+03	-9.608E+01	1.079E+00
149	3	7602.75	-167.95	34.65	1	1.259E-06	8.394E-06	1.013E-13	1.507E+03	3.593E+03	7.621E+02	8.394E-06	1.259E-06	1.571E+00	3.842E+03	1.259E+03	1.255E+00
149	4	7593.25	-157.45	34.65	1	4.441E-15	4.441E-15	-3.228E-06	2.241E+03	2.630E+03	1.351E+03	3.228E-06	-3.228E-06	-7.854E-01	3.800E+03	1.071E+03	8.569E-01
150	1	7621.08	-167.95	34.65	1	-4.403E-07	-2.935E-06	1.710E-14	-1.658E+02	5.826E+02	3.706E+02	-4.403E-07	-2.935E-06	6.852E-09	7.351E+02	-3.183E+02	1.180E+00
150	2	7648.25	-178.45	34.65	1	4.369E-14	4.369E-14	3.228E-06	-2.555E+02	-3.499E+03	2.401E+02	3.228E-06	-3.228E-06	7.854E-01	-2.378E+02	-3.517E+03	7.347E-02
150	3	7675.41	-167.95	34.65	1	4.403E-07	2.935E-06	5.662E-14	-1.102E+03	-7.515E+03	-1.374E+02	2.935E-06	4.403E-07	1.571E+00	-1.099E+03	-7.518E+03	-2.141E-02
150	4	7648.25	-157.45	34.65	1	3.464E-14	3.464E-14	-3.228E-06	-6.836E+02	-3.433E+03	1.030E+03	3.228E-06	-3.228E-06	-7.854E-01	-3.403E+02	-3.776E+03	3.216E-01
151	1	7702.58	-167.95	34.65	1	-4.403E-07	-2.935E-06	1.232E-14	-1.102E+03	-7.515E+03	-1.374E+02	-4.403E-07	-2.935E-06	4.939E-09	-1.099E+03	-7.518E+03	-2.141E-02
151	2	7729.75	-178.45	34.65	1	5.035E-14	5.035E-14	3.228E-06	-2.555E+02	-3.499E+03	-2.401E+02	3.228E-06	-3.228E-06	7.854E-01	-2.378E+02	-3.517E+03	-7.347E-02
151	3	7756.91	-167.95	34.65	1	4.403E-07	2.935E-06	-1.499E-14	-1.658E+02	5.826E+02	-3.706E+02	2.935E-06	4.403E-07	1.571E+00	7.351E+02	-3.183E+02	1.961E+00
151	4	7729.75	-157.45	34.65	1	6.273E-14	6.273E-14	-3.228E-06	-6.836E+02	-3.433E+03	-1.030E+03	3.228E-06	-3.228E-06	-7.854E-01	-3.403E+02	-3.776E+03	-3.216E-01
152	1	7775.25	-167.95	34.65	1	-1.259E-06	-8.394E-06	5.951E-14	1.507E+03	3.593E+03	-7.621E+02	-1.259E-06	-8.394E-06	8.340E-09	3.842E+03	1.259E+03	1.886E+00
152	2	7784.75	-178.45	34.65	1	-5.673E-14	-5.673E-14	3.228E-06	4.482E+02	1.799E+03	-1.015E+03	3.228E-06	-3.228E-06	7.854E-01	2.343E+03	-9.608E+01	2.063E+00
152	3	7794.25	-167.95	34.65	1	1.259E-06	8.394E-06	1.144E-12	1.587E+03	3.043E+02	-1.098E+03	8.394E-06	1.259E-06	1.571E+00	2.218E+03	-3.262E+02	-5.211E-01
152	4	7784.75	-157.45	34.65	1	8.094E-14	8.094E-14	-3.228E-06	2.241E+03	2.630E+03	-1.351E+03	3.228E-06	-3.228E-06	-7.854E-01	3.800E+03	1.071E+03	2.285E+00
153	1	7593.25	-146.95	34.65	1	3.686E-14	6.395E-14	-3.228E-06	1.972E+03	5.302E+02	-8.100E+02	3.228E-06	-3.228E-06	-7.854E-01	2.336E+03	1.668E+02	-4.217E-01
153	2	7602.75	-136.45	34.65	1	8.394E-06	1.259E-06	-1.910E-13	3.502E+03	-5.016E+03	-1.027E+03	8.394E-06	1.259E-06	-2.676E-08	3.624E+03	-5.138E+03	-1.183E-01
153	3	7593.25	-125.95	34.65	1	5.063E-14	5.063E-14	3.228E-06	1.690E+03	-1.150E+04	-2.432E+02	3.228E-06	-3.228E-06	7.854E-01	1.695E+03	-1.150E+04	-1.843E-02
153	4	7583.75	-136.45	34.65	1	-8.394E-06	-1.259E-06	-1.368E-13	5.862E+02	-6.274E+03	-1.529E+03	-1.259E-06	-8.394E-06	1.571E+00	9.115E+02	-6.599E+03	-2.097E-01
154	1	7648.25	-146.95	34.65	1	5.262E-14	-6.217E-15	-3.228E-06	-3.792E+03	-2.690E+03	-1.338E+03	3.228E-06	-3.228E-06	-7.854E-01	-1.794E+03	-4.687E+03	2.161E+00
154	2	7675.41	-136.45	34.65	1	2.935E-06	4.403E-07	-1.177E-14	-7.045E+03	-6.750E+03	6.004E+02	2.935E-06	4.403E-07	-4.717E-09	-6.279E+03	-7.516E+03	9.055E-01
154	3	7648.25	-125.95	34.65	1	4.979E-14	4.979E-14	3.228E-06	-3.983E+03	-8.676E+03	-1.794E+03	3.228E-06	-3.228E-06	7.854E-01	-3.376E+03	-9.283E+03	-3.263E-01
154	4	7621.08	-136.45	34.65	1	-2.935E-06	-4.403E-07	-6.550E-14	-7.309E+02	-6.700E+03	-1.883E+03	-4.403E-07	-2.935E-06	1.571E+00	-1.868E+02	-7.244E+03	-2.814E-01
155	1	7729.75	-146.95	34.65	1	1.362E-13	-6.661E-14	-3.228E-06	-3.792E+03	-2.690E+03	1.338E+03	3.228E-06	-3.228E-06	-7.854E-01	-1.794E+03	-4.687E+03	9.807E-01
155	2	7756.91	-136.45	34.65	1	2.935E-06	4.403E-07	-3.064E-14	-7.309E+02	-6.700E+03	1.883E+03	2.935E-06	4.403E-07	-1.228E-08	-1.868E+02	-7.244E+03	2.814E-01
155	3	7729.75	-125.95	34.65	1	-1.149E-14	-1.149E-14	3.228E-06	-3.983E+03	-8.676E+03	1.794E+03	3.228E-06	-3.228E-06	7.854E-01	-3.376E+03	-9.283E+03	3.263E-01
155	4	7702.58	-136.45	34.65	1	-2.935E-06	-4.403E-07	2.842E-14	-7.045E+03	-6.750E+03	6.004E+02	-4.403E-07	-2.935E-06	1.571E+00	-6.279E+03	-7.516E+03	9.055E-01
156	1	7784.75	-146.95	34.65	1	8.682E-14	-8.527E-14	-3.228E-06	1.972E+03	5.302E+02	8.100E+02	3.228E-06	-3.228E-06	-7.854E-01	2.336E+03	1.668E+02	4.217E-01
156	2	7794.25	-136.45	34.65	1	8.394E-06	1.259E-06	-1.226E-12	5.862E+02	-6.274E+03	1.529E+03	8.394E-06	1.259E-06	-1.718E-07	9.115E+02	-6.599E+03	2.097E-01
156	3	7784.75	-125.95	34.65	1	-5.418E-14	-5.418E-14	3.228E-06	1.690E+03	-1.150E+04	2.432E+02	3.228E-06	-3.228E-06	7.854E-01	1.695E+03	-1.150E+04	1.843E-02

156	4	7775.25	-136.45	34.65	1	-8.394E-06	-1.259E-06	-1.252E-13	3.502E+03	-5.016E+03	1.027E+03	-1.259E-06	-8.394E-06	1.571E+00	3.624E+03	-5.138E+03	1.183E-01
157	1	7583.75	-60.35	34.65	1	-6.296E-07	-4.197E-06	-1.421E-14	-3.617E+04	-4.673E+02	-2.566E+03	-6.296E-07	-4.197E-06	-3.983E-09	-2.838E+02	-3.635E+04	1.642E+00
157	2	7593.25	-100.58	34.65	1	2.423E-14	2.423E-14	4.212E-07	-2.363E+04	-3.420E+03	1.077E+02	4.212E-07	-4.212E-07	7.854E-01	-3.420E+03	-2.364E+04	1.565E+00
157	3	7602.75	-60.35	34.65	1	6.296E-07	4.197E-06	4.174E-14	-3.610E+04	-1.242E+03	7.619E+02	4.197E-06	6.296E-07	1.571E+00	-1.226E+03	-3.611E+04	1.549E+00
157	4	7593.25	-20.12	34.65	1	-1.271E-14	-1.271E-14	-4.212E-07	-4.873E+04	7.093E+02	4.611E+02	4.212E-07	-4.212E-07	-7.854E-01	7.136E+02	-4.873E+04	1.561E+00
158	1	7621.08	-60.35	34.65	1	-2.202E-07	-1.468E-06	-5.818E-14	-3.698E+04	-3.479E+03	1.249E+03	-2.202E-07	-1.468E-06	-4.663E-08	-3.432E+03	-3.703E+04	1.534E+00
158	2	7648.25	-100.58	34.65	1	3.633E-14	3.633E-14	4.212E-07	-1.828E+04	-1.414E+04	1.871E+03	4.212E-07	-4.212E-07	7.854E-01	-1.342E+04	-1.900E+04	1.203E+00
158	3	7675.41	-60.35	34.65	1	2.202E-07	1.468E-06	-4.319E-14	-3.542E+04	-1.863E+04	-1.257E+03	1.468E-06	2.202E-07	1.571E+00	-1.854E+04	-3.551E+04	1.645E+00
158	4	7648.25	-20.12	34.65	1	1.014E-14	1.014E-14	-4.212E-07	-5.181E+04	-1.499E+04	1.665E+03	4.212E-07	-4.212E-07	-7.854E-01	-1.492E+04	-5.189E+04	1.526E+00
159	1	7702.58	-60.35	34.65	1	-2.202E-07	-1.468E-06	-4.219E-14	-3.542E+04	-1.863E+04	-1.257E+03	-2.202E-07	-1.468E-06	-3.382E-08	-1.854E+04	-3.551E+04	1.645E+00
159	2	7729.75	-100.58	34.65	1	3.614E-14	3.614E-14	4.212E-07	-1.828E+04	-1.414E+04	-1.871E+03	4.212E-07	-4.212E-07	7.854E-01	-1.342E+04	-1.900E+04	1.938E+00
159	3	7756.91	-60.35	34.65	1	2.202E-07	1.468E-06	-1.343E-14	-3.698E+04	-3.479E+03	-1.249E+03	1.468E-06	2.202E-07	1.571E+00	-3.432E+03	-3.703E+04	1.608E+00
159	4	7729.75	-20.12	34.65	1	-2.813E-14	-2.813E-14	-4.212E-07	-5.181E+04	-1.499E+04	1.665E+03	4.212E-07	-4.212E-07	-7.854E-01	-1.492E+04	-5.189E+04	1.526E+00
160	1	7775.25	-60.35	34.65	1	-6.296E-07	-4.197E-06	-2.576E-14	-3.610E+04	-1.242E+03	-7.619E+02	-6.296E-07	-4.197E-06	-7.220E-09	-1.226E+03	-3.611E+04	1.593E+00
160	2	7784.75	-100.58	34.65	1	3.775E-15	3.775E-15	4.212E-07	-2.363E+04	-3.420E+03	-1.077E+02	4.212E-07	-4.212E-07	7.854E-01	-3.420E+03	-2.364E+04	1.576E+00
160	3	7794.25	-60.35	34.65	1	6.296E-07	4.197E-06	1.116E-12	-3.617E+04	-4.673E+02	2.566E+03	4.197E-06	6.296E-07	1.571E+00	-2.838E+02	-3.635E+04	1.499E+00
160	4	7784.75	-20.12	34.65	1	-4.755E-14	-4.755E-14	-4.212E-07	-4.873E+04	7.093E+02	4.611E+02	4.212E-07	-4.212E-07	-7.854E-01	7.136E+02	-4.873E+04	1.561E+00
161	1	7583.75	60.35	34.65	1	6.296E-07	4.197E-06	-8.882E-16	-3.617E+04	-4.673E+02	2.566E+03	4.197E-06	6.296E-07	1.571E+00	-2.838E+02	-3.635E+04	1.499E+00
161	2	7593.25	20.12	34.65	1	-3.025E-14	-3.025E-14	-4.212E-07	-4.873E+04	7.093E+02	4.611E+02	4.212E-07	-4.212E-07	-7.854E-01	7.136E+02	-4.873E+04	1.561E+00
161	3	7602.75	60.35	34.65	1	-6.296E-07	-4.197E-06	5.684E-14	-3.610E+04	-1.242E+03	-7.619E+02	-6.296E-07	-4.197E-06	1.593E-01	-1.226E+03	-3.611E+04	1.593E+00
161	4	7593.25	100.58	34.65	1	-1.865E-14	-1.865E-14	4.212E-07	-2.363E+04	-3.420E+03	-1.077E+02	4.212E-07	-4.212E-07	7.854E-01	-3.420E+03	-2.364E+04	1.576E+00
162	1	7621.08	60.35	34.65	1	2.202E-07	1.468E-06	-3.486E-14	-3.698E+04	-3.479E+03	-1.249E+03	1.468E-06	2.202E-07	1.571E+00	-3.432E+03	-3.703E+04	1.608E+00
162	2	7648.25	20.12	34.65	1	-7.841E-15	-7.841E-15	-4.212E-07	-5.181E+04	-1.499E+04	1.665E+03	4.212E-07	-4.212E-07	-7.854E-01	-1.492E+04	-5.189E+04	1.526E+00
162	3	7675.41	60.35	34.65	1	-2.202E-07	-1.468E-06	-5.662E-15	-3.542E+04	-1.863E+04	1.257E+03	-2.202E-07	-1.468E-06	-4.539E-09	-1.854E+04	-3.551E+04	1.496E+00
162	4	7648.25	100.58	34.65	1	-5.136E-14	-5.136E-14	4.212E-07	-1.828E+04	-1.414E+04	-1.871E+03	4.212E-07	-4.212E-07	7.854E-01	-1.342E+04	-1.900E+04	1.938E+00
163	1	7702.58	60.35	34.65	1	2.202E-07	1.468E-06	-8.105E-15	-3.542E+04	-1.863E+04	1.257E+03	1.468E-06	2.202E-07	1.571E+00	-1.854E+04	-3.551E+04	1.496E+00
163	2	7729.75	20.12	34.65	1	-1.633E-14	-1.633E-14	-4.212E-07	-5.181E+04	-1.499E+04	1.665E+03	4.212E-07	-4.212E-07	-7.854E-01	-1.492E+04	-5.189E+04	1.526E+00
163	3	7756.91	60.35	34.65	1	-2.202E-07	-1.468E-06	7.994E-15	-3.698E+04	-3.479E+03	1.249E+03	-2.202E-07	-1.468E-06	6.407E-09	-3.432E+03	-3.703E+04	1.534E+00
163	4	7729.75	100.58	34.65	1	-5.898E-15	-5.898E-15	4.212E-07	-1.828E+04	-1.414E+04	1.871E+03	4.212E-07	-4.212E-07	7.854E-01	-1.342E+04	-1.900E+04	1.203E+00
164	1	7775.25	60.35	34.65	1	6.296E-07	4.197E-06	-5.240E-14	-3.610E+04	-1.242E+03	7.619E+02	4.197E-06	6.296E-07	1.571E+00	-1.226E+03	-3.611E+04	1.549E+00
164	2	7784.75	20.12	34.65	1	-3.053E-16	-3.053E-16	-4.212E-07	-4.873E+04	7.093E+02	4.611E+02	4.212E-07	-4.212E-07	-7.854E-01	7.136E+02	-4.873E+04	1.561E+00
164	3	7794.25	60.35	34.65	1	-6.296E-07	-4.197E-06	1.128E-12	-3.617E+04	-4.673E+02	-2.566E+03	-6.296E-07	-4.197E-06	3.162E-07	-2.838E+02	-3.635E+04	1.642E+00
164	4	7784.75	100.58	34.65	1	7.494E-15	7.494E-15	4.212E-07	-2.363E+04	-3.420E+03	1.077E+02	4.212E-07	-4.212E-07	7.854E-01	-3.420E+03	-2.364E+04	1.565E+00
165	1	7593.25	125.95	34.65	1	-1.532E-14	-1.190E-13	3.228E-06	1.690E+03	-1.150E+04	2.432E+02	3.228E-06	-3.228E-06	7.854E-01	1.695E+03	-1.150E+04	1.843E-02
165	2	7602.75	136.45	34.65	1	-8.394E-06	-1.259E-06	-1.101E-13	3.502E+03	-5.016E+03	1.027E+03	-1.259E-06	-8.394E-06	1.571E+00	3.624E+03	-5.138E+03	1.183E-01
165	3	7593.25	146.95	34.65	1	-4.985E-14	-4.985E-14	-3.228E-06	1.972E+03	5.302E+02	8.100E+02	3.228E-06	-3.228E-06	-7.854E-01	2.336E+03	1.668E+02	4.217E-01
165	4	7583.75	136.45	34.65	1	8.394E-06	1.259E-06	-1.013E-13	5.862E+02	-6.274E+03	1.529E+03	8.394E-06	1.259E-06	-1.419E-08	9.115E+02	-6.599E+03	2.097E-01
166	1	7648.25	125.95	34.65	1	-8.959E-14	-7.461E-14	3.228E-06	-3.983E+03	-8.676E+03	1.794E+03	3.228E-06	-3.228E-06	7.854E-01	-3.376E+03	-9.283E+03	3.263E-01
166	2	7675.41	136.45	34.65	1	-2.935E-06	-4.403E-07	3.320E-14	-7.045E+03	-6.750E+03	-6.004E+02	-4.403E-07	-2.935E-06	1.571E+00	-6.279E+03	-7.516E+03	2.236E+00
166	3	7648.25	146.95	34.65	1	-4.002E-14	-4.002E-14	-3.228E-06	-3.792E+03	-2.690E+03	1.338E+03	3.228E-06	-3.228E-06	-7.854E-01	-1.794E+03	-4.687E+03	9.807E-01
166	4	7621.08	136.45	34.65	1	2.935E-06	4.403E-07	-2.609E-14	-7.309E+02	-6.700E+03	1.883E+03	2.935E-06	4.403E-07	-1.046E-08	-1.868E+02	-7.244E+03	2.814E-01
167	1	7729.75	125.95	34.65	1	3.320E-14	8.615E-14	3.228E-06	-3.983E+03	-8.676E+03	-1.794E+03	3.228E-06	-3.228E-06	7.854E-01	-3.376E+03	-9.283E+03	-3.263E-01
167	2	7756.91	136.45	34.65	1	-2.935E-06	-4.403E-07	2.587E-14	-7.309E+02	-6.700E+03	-1.883E+03	-4.403E-07	-2.935E-06	1.571E+00	-1.868E+02	-7.244E+03	-2.814E-01

167	3	7729.75	146.95	34.65	1	2.609E-14	2.609E-14	-3.228E-06	-3.792E+03	-2.690E+03	-1.338E+03	3.228E-06	-3.228E-06	-7.854E-01	-1.794E+03	-4.687E+03	2.161E+00
167	4	7702.58	136.45	34.65	1	2.935E-06	4.403E-07	2.476E-14	-7.045E+03	-6.750E+03	-6.004E+02	2.935E-06	4.403E-07	9.922E-09	-6.279E+03	-7.516E+03	2.236E+00
168	1	7784.75	125.95	34.65	1	3.153E-14	1.954E-14	3.228E-06	1.690E+03	-1.150E+04	-2.432E+02	3.228E-06	-3.228E-06	7.854E-01	1.695E+03	-1.150E+04	-1.843E-02
168	2	7794.25	136.45	34.65	1	-8.394E-06	-1.259E-06	-1.163E-12	5.862E+02	-6.274E+03	-1.529E+03	-1.259E-06	-8.394E-06	1.571E+00	9.115E+02	-6.599E+03	-2.097E-01
168	3	7784.75	146.95	34.65	1	-4.896E-14	-4.896E-14	-3.228E-06	1.972E+03	5.302E+02	-8.100E+02	3.228E-06	-3.228E-06	-7.854E-01	2.336E+03	1.668E+02	-4.217E-01
168	4	7775.25	136.45	34.65	1	8.394E-06	1.259E-06	-7.994E-14	3.502E+03	-5.016E+03	-1.027E+03	8.394E-06	1.259E-06	-1.120E-08	3.624E+03	-5.138E+03	-1.183E-01
169	1	7593.25	157.45	34.65	1	-3.575E-14	-2.842E-14	3.228E-06	2.630E+03	2.241E+03	1.351E+03	3.228E-06	-3.228E-06	7.854E-01	3.800E+03	1.071E+03	7.139E-01
169	2	7602.75	167.95	34.65	1	-8.394E-06	-1.259E-06	-1.723E-13	3.593E+03	1.507E+03	7.621E+02	-1.259E-06	-8.394E-06	1.571E+00	3.842E+03	1.259E+03	3.155E-01
169	3	7593.25	178.45	34.65	1	-5.640E-14	-5.640E-14	-3.228E-06	1.799E+03	4.482E+02	1.015E+03	3.228E-06	-3.228E-06	-7.854E-01	2.343E+03	-9.608E+01	4.920E-01
169	4	7583.75	167.95	34.65	1	8.394E-06	1.259E-06	-1.510E-13	3.043E+02	1.587E+03	1.098E+03	8.394E-06	1.259E-06	-2.116E-08	2.218E+03	-3.262E+02	1.050E+00
170	1	7648.25	157.45	34.65	1	-3.697E-14	1.421E-14	3.228E-06	-3.433E+03	-6.836E+02	1.030E+03	3.228E-06	-3.228E-06	7.854E-01	-3.403E+02	-3.776E+03	1.249E+00
170	2	7675.41	167.95	34.65	1	-2.935E-06	-4.403E-07	3.808E-14	-7.515E+03	-1.102E+03	-1.374E+02	-4.403E-07	-2.935E-06	1.571E+00	-1.099E+03	-7.518E+03	1.592E+00
170	3	7648.25	178.45	34.65	1	1.144E-14	1.144E-14	-3.228E-06	-3.499E+03	-2.555E+02	2.401E+02	3.228E-06	-3.228E-06	-7.854E-01	-2.378E+02	-3.517E+03	1.497E+00
170	4	7621.08	167.95	34.65	1	2.935E-06	4.403E-07	-5.984E-14	5.826E+02	-1.658E+02	3.706E+02	2.935E-06	4.403E-07	-2.398E-08	7.351E+02	-3.183E+02	3.903E-01
171	1	7729.75	157.45	34.65	1	3.564E-14	2.665E-15	3.228E-06	-3.433E+03	-6.836E+02	-1.030E+03	3.228E-06	-3.228E-06	7.854E-01	-3.403E+02	-3.776E+03	1.892E+00
171	2	7756.91	167.95	34.65	1	-2.935E-06	-4.403E-07	-2.276E-14	5.826E+02	-1.658E+02	-3.706E+02	-4.403E-07	-2.935E-06	1.571E+00	7.351E+02	-3.183E+02	-3.903E-01
171	3	7729.75	178.45	34.65	1	1.327E-14	1.327E-14	-3.228E-06	-3.499E+03	-2.555E+02	-2.401E+02	3.228E-06	-3.228E-06	-7.854E-01	-2.378E+02	-3.517E+03	1.644E+00
171	4	7702.58	167.95	34.65	1	2.935E-06	4.403E-07	2.331E-15	-7.515E+03	-1.102E+03	-1.374E+02	2.935E-06	4.403E-07	9.344E-10	-1.099E+03	-7.518E+03	1.592E+00
172	1	7784.75	157.45	34.65	1	-1.061E-13	-1.954E-14	3.228E-06	2.630E+03	2.241E+03	-1.351E+03	3.228E-06	-3.228E-06	7.854E-01	3.800E+03	1.071E+03	-7.139E-01
172	2	7794.25	167.95	34.65	1	-8.394E-06	-1.259E-06	-1.194E-12	3.043E+02	1.587E+03	-1.098E+03	-1.259E-06	-8.394E-06	1.571E+00	2.218E+03	-3.262E+02	2.092E+00
172	3	7784.75	178.45	34.65	1	-7.216E-15	-7.216E-15	-3.228E-06	1.799E+03	4.482E+02	-1.015E+03	3.228E-06	-3.228E-06	-7.854E-01	2.343E+03	-9.608E+01	-4.920E-01
172	4	7775.25	167.95	34.65	1	8.394E-06	1.259E-06	-1.394E-13	3.593E+03	1.507E+03	-7.621E+02	8.394E-06	1.259E-06	-1.954E-08	3.842E+03	1.259E+03	-3.155E-01
173	1	10146.75	-167.95	37.20	1	-8.626E-01	9.201E-03	-4.583E-01	1.672E+03	3.708E+02	1.082E+03	2.058E-01	-1.059E+00	1.976E+00	2.284E+03	-2.413E+02	5.148E-01
173	2	10156.24	-178.45	37.20	1	-2.426E-02	-7.352E-01	-3.441E-01	3.920E+02	1.618E+03	9.816E+02	1.150E-01	-8.744E-01	-3.846E-01	2.162E+03	-1.522E+02	1.065E+00
173	3	10165.74	-167.95	37.20	1	5.549E-01	-4.097E-01	-6.928E-01	1.275E+03	3.284E+03	6.994E+02	9.167E-01	-7.715E-01	-4.813E-01	3.503E+03	1.055E+03	1.267E+00
173	4	10156.24	-157.45	37.20	1	-2.834E-01	3.347E-01	-8.070E-01	2.173E+03	2.538E+03	1.491E+03	8.898E-01	-8.385E-01	2.173E+00	3.857E+03	8.530E+02	8.463E-01
174	1	10184.08	-167.95	37.20	1	6.765E-01	4.013E-01	5.058E-01	-3.346E+02	3.518E+02	2.835E+02	1.063E+00	1.470E-02	6.526E-01	4.537E+02	-4.366E+02	1.226E+00
174	2	10211.25	-178.45	37.20	1	-8.702E-03	5.459E-01	6.653E-01	-2.201E+02	-3.495E+03	1.185E+02	9.894E-01	-4.522E-01	9.828E-01	-2.158E+02	-3.499E+03	3.611E-02
174	3	10238.41	-167.95	37.20	1	-5.707E-01	4.007E-01	8.246E-01	-8.731E+02	-7.299E+02	8.684E+01	8.720E-01	-1.042E+00	1.052E+00	-8.719E+02	-7.300E+03	1.351E-02
174	4	10211.25	-157.45	37.20	1	1.145E-01	2.561E-01	6.651E-01	-6.672E+02	-3.452E+03	7.835E+02	8.541E-01	-4.836E-01	8.384E-01	-4.619E+02	-3.657E+03	2.563E-01
175	1	10265.58	-167.95	37.20	1	-5.713E-01	3.971E-01	-8.243E-01	-8.752E+02	-7.298E+03	7.021E+01	8.689E-01	-1.043E+00	2.091E+00	-8.744E+02	-7.299E+03	1.093E-02
175	2	10292.75	-178.45	37.20	1	-2.782E-03	5.376E-01	-6.702E-01	-2.250E+02	-3.502E+03	-1.030E+02	9.900E-01	-4.552E-01	2.165E+00	-2.218E+02	-3.506E+03	-3.137E-02
175	3	10319.91	-167.95	37.20	1	6.849E-01	3.977E-01	-5.158E-01	-3.457E+02	3.390E+02	-2.727E+02	1.077E+00	5.858E-03	-6.496E-01	4.344E+02	-4.410E+02	1.907E+00
175	4	10292.75	-157.45	37.20	1	1.165E-01	2.572E-01	-6.700E-01	-6.733E+02	-3.456E+03	-7.649E+02	8.604E-01	-4.868E-01	2.304E+00	-4.770E+02	-3.653E+03	-2.513E-01
176	1	10338.25	-167.95	37.20	1	5.623E-01	-4.196E-01	7.091E-01	1.261E+03	3.265E+03	-6.908E+02	9.339E-01	-7.911E-01	4.826E-01	3.480E+03	1.046E+03	1.873E+00
176	2	10347.75	-178.45	37.20	1	-2.768E-02	-7.522E-01	3.535E-01	3.896E+02	1.604E+03	-9.777E+02	1.162E-01	-8.961E-01	3.866E-01	2.148E+03	-1.541E+02	2.078E+00
176	3	10357.25	-167.95	37.20	1	-8.823E-01	7.325E-03	4.698E-01	1.672E+03	3.728E+02	-1.078E+03	2.095E-01	-1.084E+00	1.164E+00	2.282E+03	-2.365E+02	-5.143E-01
176	4	10347.75	-157.45	37.20	1	-2.923E-01	3.400E-01	8.254E-01	2.164E+03	2.532E+03	-1.494E+03	9.077E-01	-8.600E-01	9.683E-01	3.853E+03	8.426E+02	2.295E+00
177	1	10156.24	-146.95	37.20	1	2.192E-02	-2.369E+00	7.252E-01	2.059E+03	1.469E+03	-9.456E+02	2.247E-01	-2.571E+00	2.727E-01	2.754E+03	7.734E+02	-6.344E-01
177	2	10165.74	-136.45	37.20	1	2.597E-01	-3.263E+00	4.248E-01	3.700E+03	-3.862E+03	-9.655E+02	3.102E-01	-3.313E+00	1.183E-01	3.821E+03	-3.983E+03	-1.250E-01
177	3	10156.24	-125.95	37.20	1	-3.504E-02	-2.355E+00	1.367E-01	1.829E+03	-1.055E+04	-2.007E+02	-2.701E-02	-2.363E+00	5.868E-02	1.832E+03	-1.055E+04	-1.621E-02
177	4	10146.75	-136.45	37.20	1	-2.728E-01	-1.461E+00	4.372E-01	4.716E+02	-5.435E+03	-1.495E+03	-1.292E-01	-1.604E+00	3.173E-01	8.284E+02	-5.792E+03	-2.343E-01
178	1	10211.25	-146.95	37.20	1	-2.842E-03	-1.612E+00	-6.196E-01	-3.709E+03	-2.014E+03	-1.121E+03	2.081E-01	-1.823E+00	-3.282E-01	-1.456E+03	-4.266E+03	2.033E+00

178	2	10238.41	-136.45	37.20	1	-2.894E-02	1.058E-01	-6.495E-01	-7.050E+03	-6.363E+03	-5.754E+02	6.914E-01	-6.145E-01	2.305E+00	-6.036E+03	-7.377E+03	2.087E+00
178	3	10211.25	-125.95	37.20	1	-5.663E-02	-1.589E+00	-6.202E-01	-3.920E+03	-8.032E+03	-1.769E+03	1.629E-01	-1.808E+00	-3.403E-01	-3.263E+03	-8.688E+03	-3.552E-01
178	4	10184.08	-136.45	37.20	1	-3.053E-02	-3.306E+00	-5.903E-01	-5.792E+02	-5.545E+03	-1.831E+03	7.260E-02	-3.409E+00	-1.730E-01	2.292E+01	-6.147E+03	-3.177E-01
179	1	10292.75	-146.95	37.20	1	-7.542E-03	-1.648E+00	6.248E-01	-3.709E+03	-1.994E+03	1.105E+03	2.033E-01	-1.859E+00	3.255E-01	-1.453E+03	-4.250E+03	1.115E+00
179	2	10319.91	-136.45	37.20	1	-3.350E-02	-3.380E+00	5.974E-01	-5.746E+02	-5.501E+03	1.824E+03	6.995E-02	-3.484E+00	1.715E-01	2.729E+01	-6.103E+03	3.187E-01
179	3	10292.75	-125.95	37.20	1	-5.784E-02	-1.627E+00	6.254E-01	-3.917E+03	-8.013E+03	1.763E+03	1.610E-01	-1.846E+00	3.365E-01	-3.263E+03	-8.668E+03	3.554E-01
179	4	10265.58	-136.45	37.20	1	-3.188E-02	1.054E-01	6.528E-01	-7.052E+03	-6.361E+03	-5.636E+02	6.931E-01	-6.196E-01	8.378E-01	-6.046E+03	-7.368E+03	2.081E+00
180	1	10347.75	-146.95	37.20	1	1.989E-02	-2.426E+00	-7.452E-01	2.061E+03	1.507E+03	9.483E+02	2.291E-01	-2.635E+00	-2.736E-01	2.772E+03	7.963E+02	6.433E-01
180	2	10357.25	-136.45	37.20	1	-2.786E-01	-1.503E+00	-4.520E-01	4.674E+02	-5.403E+03	1.490E+03	-1.298E-01	-1.652E+00	-3.180E-01	8.238E+02	-5.759E+03	2.348E-01
180	3	10347.75	-125.95	37.20	1	-3.557E-02	-2.413E+00	-1.466E-01	1.836E+03	-1.051E+04	1.964E+02	-2.656E-02	-2.422E+00	-6.137E-02	1.839E+03	-1.052E+04	1.590E-02
180	4	10338.25	-136.45	37.20	1	2.630E-01	-3.336E+00	-4.398E-01	3.708E+03	-3.817E+03	9.579E+02	3.159E-01	-3.389E+00	-1.199E-01	3.828E+03	-3.937E+03	1.247E-01
181	1	10146.75	-60.35	37.20	1	-1.438E+00	4.579E-02	-3.483E-03	-3.539E+04	-4.480E+02	-2.587E+03	4.580E-02	-1.438E+00	1.573E+00	-2.574E+02	-3.558E+04	1.644E+00
181	2	10156.24	-100.58	37.20	1	-1.410E+00	1.066E-01	3.575E-02	-2.283E+04	-3.391E+03	8.004E+01	1.075E-01	-1.411E+00	1.547E+00	-3.391E+03	-2.283E+04	1.567E+00
181	3	10165.74	-60.35	37.20	1	-1.395E+00	2.660E-02	-6.282E-03	-3.533E+04	-1.244E+03	7.532E+02	2.663E-02	-1.395E+00	1.575E+00	-1.227E+03	-3.535E+04	1.549E+00
181	4	10156.24	-20.12	37.20	1	-1.422E+00	-3.422E-02	-4.552E-02	-4.798E+04	7.164E+02	-4.646E+02	-3.273E-02	-1.424E+00	1.604E+00	7.209E+02	-4.799E+04	1.580E+00
182	1	10184.08	-60.35	37.20	1	-1.395E+00	2.781E-02	1.510E-01	-3.621E+04	-3.466E+03	1.242E+03	4.367E-02	-1.411E+00	1.466E+00	-3.419E+03	-3.626E+04	1.533E+00
182	2	10211.25	-100.58	37.20	1	-1.147E+00	9.664E-03	2.962E-01	-1.752E+04	-1.414E+04	1.876E+03	8.114E-02	-1.218E+00	1.334E+00	-1.331E+04	-1.836E+04	1.152E+00
182	3	10238.41	-60.35	37.20	1	-8.757E-01	-1.578E-01	1.666E-01	-3.467E+04	-1.874E+04	1.243E+03	-1.210E-01	-9.125E-01	1.354E+00	-1.865E+04	-3.476E+04	1.493E+00
182	4	10211.25	-20.12	37.20	1	-1.124E+00	-1.396E-01	2.140E-02	-5.107E+04	-1.501E+04	1.654E+03	-1.392E-01	-1.124E+00	1.549E+00	-1.494E+04	-5.115E+04	1.525E+00
183	1	10265.58	-60.35	37.20	1	-8.764E-01	-1.628E-01	-1.679E-01	-3.467E+04	-1.875E+04	1.247E+03	-1.253E-01	-9.139E-01	1.791E+00	-1.865E+04	-3.477E+04	1.493E+00
183	2	10292.75	-100.58	37.20	1	-1.165E+00	1.146E-02	-3.066E-01	-1.751E+04	-1.414E+04	-1.866E+03	8.655E-02	-1.240E+00	1.811E+00	-1.331E+04	-1.834E+04	1.989E+00
183	3	10319.91	-60.35	37.20	1	-1.430E+00	3.511E-02	-1.522E-01	-3.620E+04	-3.460E+03	-1.245E+03	5.075E-02	-1.446E+00	1.673E+00	-3.413E+03	-3.624E+04	1.609E+00
183	4	10292.75	-20.12	37.20	1	-1.142E+00	-1.391E-01	-1.347E-02	-5.107E+04	-1.501E+04	-1.655E+03	-1.389E-01	-1.142E+00	1.584E+00	-1.494E+04	-5.115E+04	1.617E+00
184	1	10338.25	-60.35	37.20	1	-1.431E+00	2.617E-02	9.695E-03	-3.532E+04	-1.244E+03	-7.494E+02	2.623E-02	-1.431E+00	1.564E+00	-1.228E+03	-3.533E+04	1.593E+00
184	2	10347.75	-100.58	37.20	1	-1.450E+00	1.088E-01	-3.951E-02	-2.281E+04	-3.391E+03	-7.970E+01	1.098E-01	-1.451E+00	1.596E+00	-3.391E+03	-2.281E+04	1.575E+00
184	3	10357.25	-60.35	37.20	1	-1.482E+00	4.874E-02	6.860E-03	-3.538E+04	-4.448E+02	2.593E+03	4.877E-02	-1.482E+00	1.566E+00	-2.534E+02	-3.557E+04	1.497E+00
184	4	10347.75	-20.12	37.20	1	-1.462E+00	-3.388E-02	5.607E-02	-4.798E+04	7.195E+02	-4.661E+02	-3.168E-02	-1.465E+00	1.532E+00	7.239E+02	-4.798E+04	1.580E+00
185	1	10146.75	60.35	37.20	1	-1.438E+00	4.579E-02	3.483E-03	-3.539E+04	-4.480E+02	2.587E+03	4.580E-02	-1.438E+00	1.568E+00	-2.574E+02	-3.558E+04	1.497E+00
185	2	10156.24	20.12	37.20	1	-1.422E+00	-3.422E-02	4.552E-02	-4.798E+04	7.164E+02	-4.646E+02	-3.273E-02	-1.424E+00	1.538E+00	7.209E+02	-4.799E+04	1.580E+00
185	3	10165.74	60.35	37.20	1	-1.395E+00	2.660E-02	6.282E-03	-3.533E+04	-1.244E+03	-7.532E+02	2.663E-02	-1.395E+00	1.566E+00	-1.227E+03	-3.535E+04	1.593E+00
185	4	10156.24	100.58	37.20	1	-1.410E+00	1.066E-01	-3.575E-02	-2.283E+04	-3.391E+03	-8.004E+01	1.075E-01	-1.411E+00	1.594E+00	-3.391E+03	-2.283E+04	1.575E+00
186	1	10184.08	60.35	37.20	1	-1.395E+00	2.781E-02	-1.510E-01	-3.621E+04	-3.466E+03	-1.242E+03	4.367E-02	-1.411E+00	1.675E+00	-3.419E+03	-3.626E+04	1.609E+00
186	2	10211.25	20.12	37.20	1	-1.124E+00	-1.396E-01	-2.140E-02	-5.107E+04	-1.501E+04	1.654E+03	-1.392E-01	-1.124E+00	1.593E+00	-1.494E+04	-5.115E+04	1.525E+00
186	3	10238.41	60.35	37.20	1	-8.757E-01	-1.578E-01	-1.666E-01	-3.467E+04	-1.874E+04	-1.243E+03	-1.210E-01	-9.125E-01	1.788E+00	-1.865E+04	-3.476E+04	1.648E+00
186	4	10211.25	100.58	37.20	1	-1.147E+00	9.664E-03	-2.962E-01	-1.752E+04	-1.414E+04	-1.876E+03	8.114E-02	-1.218E+00	1.808E+00	-1.331E+04	-1.836E+04	1.990E+00
187	1	10265.58	60.35	37.20	1	-8.764E-01	-1.628E-01	1.679E-01	-3.467E+04	-1.875E+04	-1.247E+03	-1.253E-01	-9.139E-01	1.351E+00	-1.865E+04	-3.477E+04	1.648E+00
187	2	10292.75	20.12	37.20	1	-1.142E+00	-1.391E-01	1.347E-02	-5.107E+04	-1.501E+04	-1.655E+03	-1.389E-01	-1.142E+00	1.557E+00	-1.494E+04	-5.115E+04	1.617E+00
187	3	10319.91	60.35	37.20	1	-1.430E+00	3.511E-02	1.522E-01	-3.620E+04	-3.460E+03	-1.245E+03	5.075E-02	-1.446E+00	1.468E+00	-3.413E+03	-3.624E+04	1.533E+00
187	4	10292.75	100.58	37.20	1	-1.165E+00	1.146E-02	3.066E-01	-1.751E+04	-1.414E+04	1.866E+03	8.655E-02	-1.240E+00	1.331E+00	-1.331E+04	-1.834E+04	1.153E+00
188	1	10338.25	60.35	37.20	1	-1.431E+00	2.617E-02	-9.695E-03	-3.532E+04	-1.244E+03	7.494E+02	2.623E-02	-1.431E+00	1.577E+00	-1.228E+03	-3.533E+04	1.549E+00
188	2	10347.75	20.12	37.20	1	-1.462E+00	-3.388E-02	-5.607E-02	-4.798E+04	7.195E+02	-4.661E+02	-3.168E-02	-1.465E+00	1.610E+00	7.239E+02	-4.798E+04	1.580E+00
188	3	10357.25	60.35	37.20	1	-1.482E+00	4.874E-02	-6.860E-03	-3.538E+04	-4.448E+02	-2.593E+03	4.877E-02	-1.482E+00	1.575E+00	-2.534E+02	-3.557E+04	1.644E+00
188	4	10347.75	100.58	37.20	1	-1.450E+00	1.088E-01	3.951E-02	-2.281E+04	-3.391E+03	7.970E+01	1.098E-01	-1.451E+00	1.545E+00	-3.391E+03	-2.281E+04	1.567E+00

189	1	10156.24	125.95	37.20	1	-3.504E-02	-2.355E+00	-1.367E-01	1.829E+03	-1.055E+04	2.007E+02	-2.701E-02	-2.363E+00	-5.868E-02	1.832E+03	-1.055E+04	1.621E-02
189	2	10165.74	136.45	37.20	1	2.597E-01	-3.263E+00	-4.248E-01	3.700E+03	-3.862E+03	9.655E+02	3.102E-01	-3.313E+00	-1.183E-01	3.821E+03	-3.983E+03	1.250E-01
189	3	10156.24	146.95	37.20	1	2.192E-02	-2.369E+00	-7.252E-01	2.059E+03	1.469E+03	9.456E+02	2.247E-01	-2.571E+00	-2.727E-01	2.754E+03	7.734E+02	6.344E-01
189	4	10146.75	136.45	37.20	1	-2.728E-01	-1.461E+00	-4.372E-01	4.716E+02	-5.435E+03	1.495E+03	-1.292E-01	-1.604E+00	-3.173E-01	8.284E+02	-5.792E+03	2.343E-01
190	1	10211.25	125.95	37.20	1	-5.663E-02	-1.589E+00	6.202E-01	-3.920E+03	-8.032E+03	1.769E+03	1.629E-01	-1.808E+00	3.403E-01	-3.263E+03	-8.688E+03	3.552E-01
190	2	10238.41	136.45	37.20	1	-2.894E-02	1.058E-01	6.495E-01	-7.050E+03	-6.363E+03	5.754E+02	6.914E-01	-6.145E-01	8.371E-01	-6.036E+03	-7.377E+03	1.055E+00
190	3	10211.25	146.95	37.20	1	-2.842E-03	-1.612E+00	6.196E-01	-3.709E+03	-2.014E+03	1.121E+03	2.081E-01	-1.823E+00	3.282E-01	-1.456E+03	-4.266E+03	1.109E+00
190	4	10184.08	136.45	37.20	1	-3.053E-02	-3.306E+00	5.903E-01	-5.792E+02	-5.545E+03	1.831E+03	7.260E-02	-3.409E+00	1.730E-01	2.292E+01	-6.147E+03	3.177E-01
191	1	10292.75	125.95	37.20	1	-5.784E-02	-1.627E+00	-6.254E-01	-3.917E+03	-8.013E+03	-1.763E+03	1.610E-01	-1.846E+00	-3.365E-01	-3.263E+03	-8.668E+03	-3.554E-01
191	2	10319.91	136.45	37.20	1	-3.350E-02	-3.380E+00	-5.974E-01	-5.746E+02	-5.501E+03	-1.824E+03	6.995E-02	-3.484E+00	-1.715E-01	2.729E+01	-6.103E+03	-3.187E-01
191	3	10292.75	146.95	37.20	1	-7.542E-03	-1.648E+00	-6.248E-01	-3.709E+03	-1.994E+03	-1.105E+03	2.033E-01	-1.859E+00	-3.255E-01	-1.453E+03	-4.250E+03	2.026E+00
191	4	10265.58	136.45	37.20	1	-3.188E-02	1.054E-01	-6.528E-01	-7.052E+03	-6.361E+03	5.636E+02	6.931E-01	-6.196E-01	2.304E+00	-6.046E+03	-7.368E+03	1.060E+00
192	1	10347.75	125.95	37.20	1	-3.557E-02	-2.413E+00	1.466E-01	1.836E+03	-1.051E+04	-1.964E+02	-2.656E-02	-2.422E+00	6.137E-02	1.839E+03	-1.052E+04	-1.590E-02
192	2	10357.25	136.45	37.20	1	-2.786E-01	-1.503E+00	4.520E-01	4.674E+02	-5.403E+03	-1.490E+03	-1.298E-01	-1.652E+00	3.180E-01	8.238E+02	-5.759E+03	-2.348E-01
192	3	10347.75	146.95	37.20	1	1.989E-02	-2.426E+00	7.452E-01	2.061E+03	1.507E+03	-9.483E+02	2.291E-01	-2.635E+00	2.736E-01	2.772E+03	7.963E+02	-6.433E-01
192	4	10338.25	136.45	37.20	1	2.630E-01	-3.336E+00	4.398E-01	3.708E+03	-3.817E+03	-9.579E+02	3.159E-01	-3.389E+00	1.199E-01	3.828E+03	-3.937E+03	-1.247E-01
193	1	10156.24	157.45	37.20	1	3.347E-01	-2.834E-01	-8.070E-01	2.538E+03	2.173E+03	1.491E+03	8.898E-01	-8.385E-01	-6.025E-01	3.857E+03	8.530E+02	7.245E-01
193	2	10165.74	167.95	37.20	1	-4.097E-01	5.549E-01	-6.928E-01	3.284E+03	1.275E+03	6.994E+02	9.167E-01	-7.715E-01	2.052E+00	3.503E+03	1.055E+03	3.041E-01
193	3	10156.24	178.45	37.20	1	-7.352E-01	-2.426E-02	-3.441E-01	1.618E+03	3.920E+02	9.816E+02	1.150E-01	-8.744E-01	1.955E+00	2.162E+03	-1.522E+02	5.062E-01
193	4	10146.75	167.95	37.20	1	9.201E-03	-8.626E-01	-4.583E-01	3.708E+02	1.672E+03	1.082E+03	2.058E-01	-1.059E+00	-4.052E-01	2.284E+03	-2.413E+02	1.056E+00
194	1	10211.25	157.45	37.20	1	2.561E-01	1.145E-01	6.651E-01	-3.452E+03	-6.672E+02	7.835E+02	8.541E-01	-4.836E-01	7.324E-01	-4.619E+02	-3.657E+03	1.315E+00
194	2	10238.41	167.95	37.20	1	4.007E-01	-5.707E-01	8.246E-01	-7.299E+03	-8.731E+02	8.684E+01	8.720E-01	-1.042E+00	5.192E-01	-8.719E+02	-7.300E+03	1.557E+00
194	3	10211.25	178.45	37.20	1	5.459E-01	-8.702E-03	6.653E-01	-3.495E+03	-2.201E+02	1.185E+02	9.894E-01	-4.522E-01	5.880E-01	-2.158E+02	-3.499E+03	1.535E+00
194	4	10184.08	167.95	37.20	1	4.013E-01	6.765E-01	5.058E-01	3.518E+02	-3.346E+02	2.835E+02	1.063E+00	1.470E-02	9.182E-01	4.537E+02	-4.366E+02	3.452E-01
195	1	10292.75	157.45	37.20	1	2.572E-01	1.165E-01	-6.700E-01	-3.456E+03	-6.733E+02	-7.649E+02	8.604E-01	-4.868E-01	-7.331E-01	-4.770E+02	-3.653E+03	1.822E+00
195	2	10319.91	167.95	37.20	1	3.977E-01	6.849E-01	-5.158E-01	3.390E+02	-3.457E+02	-2.727E+02	1.077E+00	5.858E-03	2.220E+00	4.344E+02	-4.410E+02	-3.363E-01
195	3	10292.75	178.45	37.20	1	5.376E-01	-2.782E-03	-6.702E-01	-3.502E+03	-2.250E+02	-1.030E+02	9.900E-01	-4.552E-01	-5.938E-01	-2.218E+02	-3.506E+03	1.602E+00
195	4	10265.58	167.95	37.20	1	3.971E-01	-5.713E-01	-8.243E-01	-7.298E+03	-8.752E+02	7.021E+01	8.689E-01	-1.043E+00	-5.199E-01	-8.744E+02	-7.299E+03	1.560E+00
196	1	10347.75	157.45	37.20	1	3.400E-01	-2.923E-01	8.254E-01	2.532E+03	2.164E+03	-1.494E+03	9.077E-01	-8.600E-01	6.025E-01	3.853E+03	8.426E+02	-7.240E-01
196	2	10357.25	167.95	37.20	1	7.325E-03	-8.823E-01	4.698E-01	3.728E+02	1.672E+03	-1.078E+03	2.095E-01	-1.084E+00	4.063E-01	2.282E+03	-2.365E+02	2.085E+00
196	3	10347.75	178.45	37.20	1	-7.522E-01	-2.768E-02	3.535E-01	1.604E+03	3.896E+02	-9.777E+02	1.162E-01	-8.961E-01	1.184E+00	2.148E+03	-1.541E+02	-5.075E-01
196	4	10338.25	167.95	37.20	1	-4.196E-01	5.623E-01	7.091E-01	3.265E+03	1.261E+03	-6.908E+02	9.339E-01	-7.911E-01	1.088E+00	3.480E+03	1.046E+03	-3.019E-01
197	1	12709.74	-167.95	39.75	1	1.873E-07	1.249E-06	3.331E-15	1.587E+03	3.043E+02	1.098E+03	1.249E-06	1.873E-07	1.571E+00	2.218E+03	-3.262E+02	5.211E-01
197	2	12719.24	-178.45	39.75	1	-3.081E-15	-3.081E-15	-4.801E-07	4.482E+02	1.799E+03	1.015E+03	4.801E-07	-4.801E-07	-7.854E-01	2.343E+03	-9.608E+01	1.079E+00
197	3	12728.74	-167.95	39.75	1	-1.873E-07	-1.249E-06	2.331E-15	1.507E+03	3.593E+03	7.621E+02	-1.873E-07	-1.249E-06	2.197E-09	3.842E+03	1.259E+03	1.255E+00
197	4	12719.24	-157.45	39.75	1	-4.802E-15	-4.802E-15	4.801E-07	2.241E+03	2.630E+03	1.351E+03	4.801E-07	-4.801E-07	7.854E-01	3.800E+03	1.071E+03	8.569E-01
198	1	12747.08	-167.95	39.75	1	6.549E-08	4.366E-07	-1.749E-15	-1.658E+02	5.826E+02	3.706E+02	4.366E-07	6.549E-08	1.571E+00	7.351E+02	-3.183E+02	1.180E+00
198	2	12774.24	-178.45	39.75	1	4.642E-15	4.642E-15	-4.801E-07	-2.555E+02	-3.499E+03	2.401E+02	4.801E-07	-4.801E-07	-7.854E-01	-2.378E+02	-3.517E+03	7.347E-02
198	3	12801.41	-167.95	39.75	1	-6.549E-08	-4.366E-07	-8.049E-16	-1.102E+03	-7.515E+03	1.374E+02	-6.549E-08	-4.366E-07	-2.169E-09	-1.099E+03	-7.518E+03	2.141E-02
198	4	12774.24	-157.45	39.75	1	2.179E-15	2.179E-15	4.801E-07	-6.836E+02	-3.433E+03	1.030E+03	4.801E-07	-4.801E-07	7.854E-01	-3.403E+02	-3.776E+03	3.216E-01
199	1	12828.58	-167.95	39.75	1	6.549E-08	4.366E-07	-3.997E-15	-1.102E+03	-7.515E+03	1.374E+02	4.366E-07	6.549E-08	1.571E+00	-1.099E+03	-7.518E+03	2.141E-02
199	2	12855.74	-178.45	39.75	1	-9.992E-16	-9.992E-16	-4.801E-07	-2.555E+02	-3.499E+03	-2.401E+02	4.801E-07	-4.801E-07	-7.854E-01	-2.378E+02	-3.517E+03	-7.347E-02
199	3	12882.91	-167.95	39.75	1	-6.549E-08	-4.366E-07	-3.442E-15	-1.658E+02	5.826E+02	-3.706E+02	-6.549E-08	-4.366E-07	-9.274E-09	7.351E+02	-3.183E+02	1.961E+00

199	4	12855.74	-157.45	39.75	1	-3.587E-15	-3.587E-15	4.801E-07	-6.836E+02	-3.433E+03	-1.030E+03	4.801E-07	-4.801E-07	7.854E-01	-3.403E+02	-3.776E+03	-3.216E-01
200	1	12901.24	-167.95	39.75	1	1.873E-07	1.249E-06	2.220E-15	1.507E+03	3.593E+03	-7.621E+02	1.249E-06	1.873E-07	1.571E+00	3.842E+03	1.259E+03	1.886E+00
200	2	12910.74	-178.45	39.75	1	-1.521E-14	-1.521E-14	-4.801E-07	4.482E+02	1.799E+03	-1.015E+03	4.801E-07	-4.801E-07	-7.854E-01	2.343E+03	-9.608E+01	2.063E+00
200	3	12920.24	-167.95	39.75	1	-1.873E-07	-1.249E-06	-8.660E-15	1.587E+03	3.043E+02	-1.098E+03	-1.873E-07	-1.249E-06	-8.160E-09	2.218E+03	-3.262E+02	-5.211E-01
200	4	12910.74	-157.45	39.75	1	2.331E-15	2.331E-15	4.801E-07	2.241E+03	2.630E+03	-1.351E+03	4.801E-07	-4.801E-07	7.854E-01	3.800E+03	1.071E+03	2.285E+00
201	1	12719.24	-146.95	39.75	1	1.665E-16	-2.265E-14	4.801E-07	1.972E+03	5.302E+02	-8.100E+02	4.801E-07	-4.801E-07	7.854E-01	2.336E+03	1.668E+02	-4.217E-01
201	2	12728.74	-136.45	39.75	1	-1.249E-06	-1.873E-07	1.332E-14	3.502E+03	-5.016E+03	-1.027E+03	-1.873E-07	-1.249E-06	1.571E+00	3.624E+03	-5.138E+03	-1.183E-01
201	3	12719.24	-125.95	39.75	1	-7.244E-15	-7.244E-15	-4.801E-07	1.690E+03	-1.150E+04	-2.432E+02	4.801E-07	-4.801E-07	-7.854E-01	1.695E+03	-1.150E+04	-1.843E-02
201	4	12709.74	-136.45	39.75	1	1.249E-06	1.873E-07	1.010E-14	5.862E+02	-6.274E+03	-1.529E+03	1.249E-06	1.873E-07	9.520E-09	9.115E+02	-6.599E+03	-2.097E-01
202	1	12774.24	-146.95	39.75	1	7.203E-15	-8.327E-15	4.801E-07	-3.792E+03	-2.690E+03	-1.338E+03	4.801E-07	-4.801E-07	7.854E-01	-1.794E+03	-4.687E+03	2.161E+00
202	2	12801.41	-136.45	39.75	1	-4.366E-07	-6.549E-08	1.416E-15	-7.045E+03	-6.750E+03	-6.004E+02	-6.549E-08	-4.366E-07	1.571E+00	-6.279E+03	-7.516E+03	2.236E+00
202	3	12774.24	-125.95	39.75	1	-3.629E-15	-3.629E-15	-4.801E-07	-3.983E+03	-8.676E+03	-1.794E+03	4.801E-07	-4.801E-07	-7.854E-01	-3.376E+03	-9.283E+03	-3.263E-01
202	4	12747.08	-136.45	39.75	1	4.366E-07	6.549E-08	9.687E-15	-7.309E+02	-6.700E+03	-1.883E+03	4.366E-07	6.549E-08	2.610E-08	-1.868E+02	-7.244E+03	-2.814E-01
203	1	12855.74	-146.95	39.75	1	-6.051E-15	-2.331E-15	4.801E-07	-3.792E+03	-2.690E+03	1.338E+03	4.801E-07	-4.801E-07	7.854E-01	-1.794E+03	-4.687E+03	9.807E-01
203	2	12882.91	-136.45	39.75	1	-4.366E-07	-6.549E-08	1.549E-14	-7.309E+02	-6.700E+03	1.883E+03	-6.549E-08	-4.366E-07	1.571E+00	-1.868E+02	-7.244E+03	2.814E-01
203	3	12855.74	-125.95	39.75	1	3.192E-15	3.192E-15	-4.801E-07	-3.983E+03	-8.676E+03	1.794E+03	4.801E-07	-4.801E-07	-7.854E-01	-3.376E+03	-9.283E+03	3.263E-01
203	4	12828.58	-136.45	39.75	1	4.366E-07	6.549E-08	2.942E-15	-7.045E+03	-6.750E+03	-6.004E+02	4.366E-07	6.549E-08	7.928E-09	-6.279E+03	-7.516E+03	2.236E+00
204	1	12910.74	-146.95	39.75	1	5.274E-15	1.821E-14	4.801E-07	1.972E+03	5.302E+02	8.100E+02	4.801E-07	-4.801E-07	7.854E-01	2.336E+03	1.668E+02	4.217E-01
204	2	12920.24	-136.45	39.75	1	-1.249E-06	-1.873E-07	9.215E-15	5.862E+02	-6.274E+03	1.529E+03	-1.873E-07	-1.249E-06	1.571E+00	9.115E+02	-6.599E+03	2.097E-01
204	3	12910.74	-125.95	39.75	1	3.553E-15	3.553E-15	-4.801E-07	1.690E+03	-1.150E+04	2.432E+02	4.801E-07	-4.801E-07	-7.854E-01	1.695E+03	-1.150E+04	1.843E-02
204	4	12901.24	-136.45	39.75	1	1.249E-06	1.873E-07	1.799E-14	3.502E+03	-5.016E+03	1.027E+03	1.249E-06	1.873E-07	1.695E-08	3.624E+03	-5.138E+03	1.183E-01
205	1	12709.74	-60.35	39.75	1	9.364E-08	6.243E-07	-9.548E-15	-3.617E+04	-4.673E+02	-2.566E+03	6.243E-07	9.364E-08	1.571E+00	-2.838E+02	-3.635E+04	1.642E+00
205	2	12719.24	-100.58	39.75	1	-1.040E-14	-1.040E-14	-6.265E-08	-2.363E+04	-3.420E+03	1.077E+02	6.265E-08	-6.265E-08	-7.854E-01	-3.420E+03	-2.364E+04	1.565E+00
205	3	12728.74	-60.35	39.75	1	-9.364E-08	-6.243E-07	-2.665E-15	-3.610E+04	-1.242E+03	7.619E+02	-9.364E-08	-6.243E-07	-5.022E-09	-1.226E+03	-3.611E+04	1.549E+00
205	4	12719.24	-20.12	39.75	1	-1.065E-14	-1.065E-14	6.265E-08	-4.873E+04	7.093E+02	4.611E+02	6.265E-08	-6.265E-08	7.854E-01	7.136E+02	-4.873E+04	1.561E+00
206	1	12747.08	-60.35	39.75	1	3.274E-08	2.183E-07	1.860E-15	-3.698E+04	-3.479E+03	1.249E+03	2.183E-07	3.274E-08	1.571E+00	-3.432E+03	-3.703E+04	1.534E+00
206	2	12774.24	-100.58	39.75	1	-5.808E-15	-5.808E-15	-6.265E-08	-1.828E+04	-1.414E+04	1.871E+03	6.265E-08	-6.265E-08	-7.854E-01	-1.342E+04	-1.900E+04	1.203E+00
206	3	12801.41	-60.35	39.75	1	-3.274E-08	-2.183E-07	-3.053E-16	-3.542E+04	-1.863E+04	1.257E+03	-3.274E-08	-2.183E-07	-1.645E-09	-1.854E+04	-3.551E+04	1.496E+00
206	4	12774.24	-20.12	39.75	1	-1.176E-15	-1.176E-15	6.265E-08	-5.181E+04	-1.499E+04	1.665E+03	6.265E-08	-6.265E-08	7.854E-01	-1.492E+04	-5.189E+04	1.526E+00
207	1	12828.58	-60.35	39.75	1	3.274E-08	2.183E-07	-8.299E-15	-3.542E+04	-1.863E+04	1.257E+03	2.183E-07	3.274E-08	1.571E+00	-1.854E+04	-3.551E+04	1.496E+00
207	2	12855.74	-100.58	39.75	1	2.345E-15	2.345E-15	-6.265E-08	-1.828E+04	-1.414E+04	-1.871E+03	6.265E-08	-6.265E-08	-7.854E-01	-1.342E+04	-1.900E+04	1.938E+00
207	3	12882.91	-60.35	39.75	1	-3.274E-08	-2.183E-07	-6.578E-15	-3.698E+04	-3.479E+03	-1.249E+03	-3.274E-08	-2.183E-07	-3.545E-08	-3.432E+03	-3.703E+04	1.608E+00
207	4	12855.74	-20.12	39.75	1	-4.257E-15	-4.257E-15	6.265E-08	-5.181E+04	-1.499E+04	1.665E+03	6.265E-08	-6.265E-08	7.854E-01	-1.492E+04	-5.189E+04	1.526E+00
208	1	12901.24	-60.35	39.75	1	9.364E-08	6.243E-07	3.442E-15	-3.610E+04	-1.242E+03	-7.619E+02	6.243E-07	9.364E-08	1.571E+00	-1.226E+03	-3.611E+04	1.593E+00
208	2	12910.74	-100.58	39.75	1	4.566E-15	4.566E-15	-6.265E-08	-2.363E+04	-3.420E+03	-1.077E+02	6.265E-08	-6.265E-08	-7.854E-01	-3.420E+03	-2.364E+04	1.576E+00
208	3	12920.24	-60.35	39.75	1	-9.364E-08	-6.243E-07	-9.437E-15	-3.617E+04	-4.673E+02	2.566E+03	-9.364E-08	-6.243E-07	-1.778E-08	-2.838E+02	-3.635E+04	1.499E+00
208	4	12910.74	-20.12	39.75	1	9.902E-15	9.902E-15	6.265E-08	-4.873E+04	7.093E+02	4.611E+02	6.265E-08	-6.265E-08	7.854E-01	7.136E+02	-4.873E+04	1.561E+00
209	1	12709.74	60.35	39.75	1	-9.364E-08	-6.243E-07	3.775E-15	-3.617E+04	-4.673E+02	2.566E+03	-9.364E-08	-6.243E-07	7.114E-09	-2.838E+02	-3.635E+04	1.499E+00
209	2	12719.24	20.12	39.75	1	-3.511E-15	-3.511E-15	6.265E-08	-4.873E+04	7.093E+02	4.611E+02	6.265E-08	-6.265E-08	7.854E-01	7.136E+02	-4.873E+04	1.561E+00
209	3	12728.74	60.35	39.75	1	9.364E-08	6.243E-07	8.105E-15	-3.610E+04	-1.242E+03	-7.619E+02	6.243E-07	9.364E-08	1.571E+00	-1.226E+03	-3.611E+04	1.593E+00
209	4	12719.24	100.58	39.75	1	1.721E-15	1.721E-15	-6.265E-08	-2.363E+04	-3.420E+03	-1.077E+02	6.265E-08	-6.265E-08	-7.854E-01	-3.420E+03	-2.364E+04	1.576E+00
210	1	12747.08	60.35	39.75	1	-3.274E-08	-2.183E-07	2.007E-14	-3.698E+04	-3.479E+03	-1.249E+03	-3.274E-08	-2.183E-07	1.081E-07	-3.432E+03	-3.703E+04	1.608E+00
210	2	12774.24	20.12	39.75	1	6.540E-15	6.540E-15	6.265E-08	-5.181E+04	-1.499E+04	1.665E+03	6.265E-08	-6.265E-08	7.854E-01	-1.492E+04	-5.189E+04	1.526E+00

210	3	12801.41	60.35	39.75	1	3.274E-08	2.183E-07	1.962E-14	-3.542E+04	-1.863E+04	1.257E+03	2.183E-07	3.274E-08	1.571E+00	-1.854E+04	-3.551E+04	1.496E+00
210	4	12774.24	100.58	39.75	1	3.678E-15	3.678E-15	-6.265E-08	-1.828E+04	-1.414E+04	-1.871E+03	6.265E-08	-6.265E-08	-7.854E-01	-1.342E+04	-1.900E+04	1.938E+00
211	1	12828.58	60.35	39.75	1	-3.274E-08	-2.183E-07	9.853E-15	-3.542E+04	-1.863E+04	1.257E+03	-3.274E-08	-2.183E-07	5.310E-08	-1.854E+04	-3.551E+04	1.496E+00
211	2	12855.74	20.12	39.75	1	8.361E-16	8.361E-16	6.265E-08	-5.181E+04	-1.499E+04	1.665E+03	6.265E-08	-6.265E-08	7.854E-01	-1.492E+04	-5.189E+04	1.526E+00
211	3	12882.91	60.35	39.75	1	3.274E-08	2.183E-07	8.354E-15	-3.698E+04	-3.479E+03	1.249E+03	2.183E-07	3.274E-08	1.571E+00	-3.432E+03	-3.703E+04	1.534E+00
211	4	12855.74	100.58	39.75	1	5.176E-15	5.176E-15	-6.265E-08	-1.828E+04	-1.414E+04	1.871E+03	6.265E-08	-6.265E-08	-7.854E-01	-1.342E+04	-1.900E+04	1.203E+00
212	1	12901.24	60.35	39.75	1	-9.364E-08	-6.243E-07	9.215E-15	-3.610E+04	-1.242E+03	7.619E+02	-9.364E-08	-6.243E-07	1.737E-08	-1.226E+03	-3.611E+04	1.549E+00
212	2	12910.74	20.12	39.75	1	7.154E-15	7.154E-15	6.265E-08	-4.873E+04	7.093E+02	4.611E+02	6.265E-08	-6.265E-08	7.854E-01	7.136E+02	-4.873E+04	1.561E+00
212	3	12920.24	60.35	39.75	1	9.364E-08	6.243E-07	-4.885E-15	-3.617E+04	-4.673E+02	-2.566E+03	6.243E-07	9.364E-08	1.571E+00	-2.838E+02	-3.635E+04	1.642E+00
212	4	12910.74	100.58	39.75	1	4.732E-15	4.732E-15	-6.265E-08	-2.363E+04	-3.420E+03	1.077E+02	6.265E-08	-6.265E-08	-7.854E-01	-3.420E+03	-2.364E+04	1.565E+00
213	1	12719.24	125.95	39.75	1	1.704E-14	1.865E-14	-4.801E-07	1.690E+03	-1.150E+04	2.432E+02	4.801E-07	-4.801E-07	-7.854E-01	1.695E+03	-1.150E+04	1.843E-02
213	2	12728.74	136.45	39.75	1	1.249E-06	1.873E-07	1.021E-14	3.502E+03	-5.016E+03	1.027E+03	1.249E-06	1.873E-07	9.625E-09	3.624E+03	-5.138E+03	1.183E-01
213	3	12719.24	146.95	39.75	1	1.416E-14	1.416E-14	4.801E-07	1.972E+03	5.302E+02	8.100E+02	4.801E-07	-4.801E-07	7.854E-01	2.336E+03	1.668E+02	4.217E-01
213	4	12709.74	136.45	39.75	1	-1.249E-06	-1.873E-07	3.997E-15	5.862E+02	-6.274E+03	1.529E+03	-1.873E-07	-1.249E-06	1.571E+00	9.115E+02	-6.599E+03	2.097E-01
214	1	12774.24	125.95	39.75	1	3.955E-15	-1.887E-15	-4.801E-07	-3.983E+03	-8.676E+03	1.794E+03	4.801E-07	-4.801E-07	-7.854E-01	-3.376E+03	-9.283E+03	3.263E-01
214	2	12801.41	136.45	39.75	1	4.366E-07	6.549E-08	-9.659E-15	-7.045E+03	-6.750E+03	-6.004E+02	4.366E-07	6.549E-08	-2.603E-08	-6.279E+03	-7.516E+03	2.236E+00
214	3	12774.24	146.95	39.75	1	-1.783E-15	-1.783E-15	4.801E-07	-3.792E+03	-2.690E+03	1.338E+03	4.801E-07	-4.801E-07	7.854E-01	-1.794E+03	-4.687E+03	9.807E-01
214	4	12747.08	136.45	39.75	1	-4.366E-07	-6.549E-08	-6.661E-16	-7.309E+02	-6.700E+03	1.883E+03	-6.549E-08	-4.366E-07	1.571E+00	-1.868E+02	-7.244E+03	2.814E-01
215	1	12855.74	125.95	39.75	1	2.359E-16	5.440E-15	-4.801E-07	-3.983E+03	-8.676E+03	-1.794E+03	4.801E-07	-4.801E-07	-7.854E-01	-3.376E+03	-9.283E+03	-3.263E-01
215	2	12882.91	136.45	39.75	1	4.366E-07	6.549E-08	2.526E-15	-7.309E+02	-6.700E+03	-1.883E+03	4.366E-07	6.549E-08	6.806E-09	-1.868E+02	-7.244E+03	-2.814E-01
215	3	12855.74	146.95	39.75	1	6.231E-15	6.231E-15	4.801E-07	-3.792E+03	-2.690E+03	-1.338E+03	4.801E-07	-4.801E-07	7.854E-01	-1.794E+03	-4.687E+03	2.161E+00
215	4	12828.58	136.45	39.75	1	-4.366E-07	-6.549E-08	-2.970E-15	-7.045E+03	-6.750E+03	-6.004E+02	-6.549E-08	-4.366E-07	1.571E+00	-6.279E+03	-7.516E+03	2.236E+00
216	1	12910.74	125.95	39.75	1	-6.883E-15	2.798E-14	-4.801E-07	1.690E+03	-1.150E+04	-2.432E+02	4.801E-07	-4.801E-07	-7.854E-01	1.695E+03	-1.150E+04	-1.843E-02
216	2	12920.24	136.45	39.75	1	1.249E-06	1.873E-07	2.109E-14	5.862E+02	-6.274E+03	-1.529E+03	1.249E-06	1.873E-07	1.988E-08	9.115E+02	-6.599E+03	-2.097E-01
216	3	12910.74	146.95	39.75	1	9.770E-15	9.770E-15	4.801E-07	1.972E+03	5.302E+02	-8.100E+02	4.801E-07	-4.801E-07	7.854E-01	2.336E+03	1.668E+02	-4.217E-01
216	4	12901.24	136.45	39.75	1	-1.249E-06	-1.873E-07	2.709E-14	3.502E+03	-5.016E+03	-1.027E+03	-1.873E-07	-1.249E-06	1.571E+00	3.624E+03	-5.138E+03	-1.183E-01
217	1	12719.24	157.45	39.75	1	1.216E-14	1.132E-14	-4.801E-07	2.630E+03	2.241E+03	1.351E+03	4.801E-07	-4.801E-07	-7.854E-01	3.800E+03	1.071E+03	7.139E-01
217	2	12728.74	167.95	39.75	1	1.249E-06	1.873E-07	4.219E-15	3.593E+03	1.507E+03	7.621E+02	1.249E-06	1.873E-07	3.975E-09	3.842E+03	1.259E+03	3.155E-01
217	3	12719.24	178.45	39.75	1	1.460E-14	1.460E-14	4.801E-07	1.799E+03	4.482E+02	1.015E+03	4.801E-07	-4.801E-07	7.854E-01	2.343E+03	-9.608E+01	4.920E-01
217	4	12709.74	167.95	39.75	1	-1.249E-06	-1.873E-07	-3.331E-16	3.043E+02	1.587E+03	1.098E+03	-1.873E-07	-1.249E-06	1.571E+00	2.218E+03	-3.262E+02	1.050E+00
218	1	12774.24	157.45	39.75	1	-4.427E-15	-1.776E-15	-4.801E-07	-3.433E+03	-6.836E+02	1.030E+03	4.801E-07	-4.801E-07	-7.854E-01	-3.403E+02	-3.776E+03	1.249E+00
218	2	12801.41	167.95	39.75	1	4.366E-07	6.549E-08	-8.521E-15	-7.515E+03	-1.102E+03	-1.374E+02	4.366E-07	6.549E-08	-2.296E-08	-1.099E+03	-7.518E+03	1.592E+00
218	3	12774.24	178.45	39.75	1	-7.355E-15	-7.355E-15	4.801E-07	-3.499E+03	-2.555E+02	2.401E+02	4.801E-07	-4.801E-07	7.854E-01	-2.378E+02	-3.517E+03	1.497E+00
218	4	12747.08	167.95	39.75	1	-4.366E-07	-6.549E-08	2.859E-15	5.826E+02	-1.658E+02	3.706E+02	-6.549E-08	-4.366E-07	1.571E+00	7.351E+02	-3.183E+02	3.903E-01
219	1	12855.74	157.45	39.75	1	3.358E-15	-4.441E-15	-4.801E-07	-3.433E+03	-6.836E+02	-1.030E+03	4.801E-07	-4.801E-07	-7.854E-01	-3.403E+02	-3.776E+03	1.892E+00
219	2	12882.91	167.95	39.75	1	4.366E-07	6.549E-08	-7.161E-15	5.826E+02	-1.658E+02	-3.706E+02	4.366E-07	6.549E-08	-1.930E-08	7.351E+02	-3.183E+02	-3.903E-01
219	3	12855.74	178.45	39.75	1	-1.096E-15	-1.096E-15	4.801E-07	-3.499E+03	-2.555E+02	-2.401E+02	4.801E-07	-4.801E-07	7.854E-01	-2.378E+02	-3.517E+03	1.644E+00
219	4	12828.58	167.95	39.75	1	-4.366E-07	-6.549E-08	1.610E-15	7.515E+03	-1.102E+03	-1.374E+02	-6.549E-08	-4.366E-07	1.571E+00	-1.099E+03	-7.518E+03	1.592E+00
220	1	12910.74	157.45	39.75	1	8.882E-16	1.399E-14	-4.801E-07	2.630E+03	2.241E+03	-1.351E+03	4.801E-07	-4.801E-07	-7.854E-01	3.800E+03	1.071E+03	-7.139E-01
220	2	12920.24	167.95	39.75	1	1.249E-06	1.873E-07	2.554E-14	3.043E+02	1.587E+03	-1.098E+03	1.249E-06	1.873E-07	2.406E-08	2.218E+03	-3.262E+02	2.092E+00
220	3	12910.74	178.45	39.75	1	1.821E-14	1.821E-14	4.801E-07	1.799E+03	4.482E+02	-1.015E+03	4.801E-07	-4.801E-07	7.854E-01	2.343E+03	-9.608E+01	-4.920E-01
220	4	12901.24	167.95	39.75	1	-1.249E-06	-1.873E-07	1.943E-14	3.593E+03	1.507E+03	-7.621E+02	-1.873E-07	-1.249E-06	1.571E+00	3.842E+03	1.259E+03	-3.155E-01
221	1	15272.74	-167.95	42.30	1	-8.626E-01	9.201E-03	-4.583E-01	1.672E+03	3.708E+02	1.082E+03	2.058E-01	-1.059E+00	1.976E+00	2.284E+03	-2.413E+02	5.148E-01

221	2	15282.24	-178.45	42.30	1	-2.426E-02	-7.352E-01	-3.441E-01	3.920E+02	1.618E+03	9.816E+02	1.150E-01	-8.744E-01	-3.846E-01	2.162E+03	-1.522E+02	1.065E+00
221	3	15291.74	-167.95	42.30	1	5.549E-01	-4.097E-01	-6.928E-01	1.275E+03	3.284E+03	6.994E+02	9.167E-01	-7.715E-01	-4.813E-01	3.503E+03	1.055E+03	1.267E+00
221	4	15282.24	-157.45	42.30	1	-2.834E-01	3.347E-01	-8.070E-01	2.173E+03	2.538E+03	1.491E+03	8.898E-01	-8.385E-01	2.173E+00	3.857E+03	8.530E+02	8.463E-01
222	1	15310.08	-167.95	42.30	1	6.765E-01	4.013E-01	5.058E-01	-3.346E+02	3.518E+02	2.835E+02	1.063E+00	1.470E-02	6.526E-01	4.537E+02	-4.366E+02	1.226E+00
222	2	15337.24	-178.45	42.30	1	-8.702E-03	5.459E-01	6.653E-01	-2.201E+02	-3.495E+03	1.185E+02	9.894E-01	-4.522E-01	9.828E-01	-2.158E+02	-3.499E+03	3.611E-02
222	3	15364.41	-167.95	42.30	1	-5.707E-01	4.007E-01	8.246E-01	-8.731E+02	-7.299E+03	8.684E+01	8.720E-01	-1.042E+00	1.052E+00	-8.719E+02	-7.300E+03	1.351E-02
222	4	15337.24	-157.45	42.30	1	1.145E-01	2.561E-01	6.651E-01	-6.672E+02	-3.452E+03	7.835E+02	8.541E-01	-4.836E-01	8.384E-01	-4.619E+02	-3.657E+03	2.563E-01
223	1	15391.58	-167.95	42.30	1	-5.713E-01	3.971E-01	-8.243E-01	-8.752E+02	-7.298E+03	7.021E+01	8.689E-01	-1.043E+00	2.091E+00	-8.744E+02	-7.299E+03	1.093E-02
223	2	15418.74	-178.45	42.30	1	-2.782E-03	5.376E-01	-6.702E-01	-2.250E+02	-3.502E+03	-1.030E+02	9.900E-01	-4.552E-01	2.165E+00	-2.218E+02	-3.506E+03	-3.137E-02
223	3	15445.91	-167.95	42.30	1	6.849E-01	3.977E-01	-5.158E-01	-3.457E+02	3.390E+02	-2.727E+02	1.077E+00	5.858E-03	-6.496E-01	4.344E+02	-4.410E+02	1.907E+00
223	4	15418.74	-157.45	42.30	1	1.165E-01	2.572E-01	-6.700E-01	-6.733E+02	-3.456E+03	-7.649E+02	8.604E-01	-4.868E-01	2.304E+00	-4.770E+02	-3.653E+03	-2.513E-01
224	1	15464.24	-167.95	42.30	1	5.623E-01	-4.196E-01	7.091E-01	1.261E+03	3.265E+03	-6.908E+02	9.339E-01	-7.911E-01	4.826E-01	3.480E+03	1.046E+03	1.873E+00
224	2	15473.74	-178.45	42.30	1	-2.768E-02	-7.522E-01	3.535E-01	3.896E+02	1.604E+03	-9.777E+02	1.162E-01	-8.961E-01	3.866E-01	2.148E+03	-1.541E+02	2.078E+00
224	3	15483.24	-167.95	42.30	1	-8.823E-01	7.325E-03	4.698E-01	1.672E+03	3.728E+02	-1.078E+03	2.095E-01	-1.084E+00	1.164E+00	2.282E+03	-2.365E+02	-5.143E-01
224	4	15473.74	-157.45	42.30	1	-2.923E-01	3.400E-01	8.254E-01	2.164E+03	2.532E+03	-1.494E+03	9.077E-01	-8.600E-01	9.683E-01	3.853E+03	8.426E+02	2.295E+00
225	1	15282.24	-146.95	42.30	1	2.192E-02	-2.369E+00	7.252E-01	2.059E+03	1.469E+03	-9.456E+02	2.247E-01	-2.571E+00	2.727E-01	2.754E+03	7.734E+02	-6.344E-01
225	2	15291.74	-136.45	42.30	1	2.597E-01	-3.263E+00	4.248E-01	3.700E+03	-3.862E+03	-9.655E+02	3.102E-01	-3.313E+00	1.183E-01	3.821E+03	-3.983E+03	-1.250E-01
225	3	15282.24	-125.95	42.30	1	-3.504E-02	-2.355E+00	1.367E-01	1.829E+03	-1.055E+04	-2.007E+02	-2.701E-02	-2.363E+00	5.868E-02	1.832E+03	-1.055E+04	-1.621E-02
225	4	15272.74	-136.45	42.30	1	-2.728E-01	-1.461E+00	4.372E-01	4.716E+02	-5.435E+03	-1.495E+03	-1.292E-01	-1.604E+00	3.173E-01	8.284E+02	-5.792E+03	-2.343E-01
226	1	15337.24	-146.95	42.30	1	-2.842E-03	-1.612E+00	-6.196E-01	-3.709E+03	-2.014E+03	-1.121E+03	2.081E-01	-1.823E+00	-3.282E-01	-1.456E+03	-4.266E+03	2.033E+00
226	2	15364.41	-136.45	42.30	1	-2.894E-02	1.058E-01	-6.495E-01	-7.050E+03	-6.363E+03	-5.754E+02	6.914E-01	-6.145E-01	2.305E+00	-6.036E+03	-7.377E+03	2.087E+00
226	3	15337.24	-125.95	42.30	1	-5.663E-02	-1.589E+00	-6.202E-01	-3.920E+03	-8.032E+03	-1.769E+03	1.629E-01	-1.808E+00	-3.403E-01	-3.263E+03	-8.688E+03	-3.552E-01
226	4	15310.08	-136.45	42.30	1	-3.053E-02	-3.306E+00	-5.903E-01	-5.792E+02	-5.545E+03	-1.831E+03	7.260E-02	-3.409E+00	-1.730E-01	2.292E+01	-6.147E+03	-3.177E-01
227	1	15418.74	-146.95	42.30	1	-7.542E-03	-1.648E+00	6.248E-01	-3.709E+03	-1.994E+03	1.105E+03	2.033E-01	-1.859E+00	3.255E-01	-1.453E+03	-4.250E+03	1.115E+00
227	2	15445.91	-136.45	42.30	1	-3.350E-02	-3.380E+00	5.974E-01	-5.746E+02	-5.501E+03	1.824E+03	6.995E-02	-3.484E+00	1.715E-01	2.729E+01	-6.103E+03	3.187E-01
227	3	15418.74	-125.95	42.30	1	-5.784E-02	-1.627E+00	6.254E-01	-3.917E+03	-8.013E+03	1.763E+03	1.610E-01	-1.846E+00	3.365E-01	-3.263E+03	-8.668E+03	3.554E-01
227	4	15391.58	-136.45	42.30	1	-3.188E-02	1.054E-01	6.528E-01	-7.052E+03	-6.361E+03	-5.636E+02	6.931E-01	-6.196E-01	8.378E-01	-6.046E+03	-7.368E+03	2.081E+00
228	1	15473.74	-146.95	42.30	1	1.989E-02	-2.426E+00	-7.452E-01	2.061E+03	1.507E+03	9.483E+02	2.291E-01	-2.635E+00	-2.736E-01	2.772E+03	7.963E+02	6.433E-01
228	2	15483.24	-136.45	42.30	1	-2.786E-01	-1.503E+00	-4.520E-01	4.674E+02	-5.403E+03	1.490E+03	-1.298E-01	-1.652E+00	-3.180E-01	8.238E+02	-5.759E+03	2.348E-01
228	3	15473.74	-125.95	42.30	1	-3.557E-02	-2.413E+00	-1.466E-01	1.836E+03	-1.051E+04	1.964E+02	-2.656E-02	-2.422E+00	-6.137E-02	1.839E+03	-1.052E+04	1.590E-02
228	4	15464.24	-136.45	42.30	1	2.630E-01	-3.336E+00	-4.398E-01	3.708E+03	-3.817E+03	9.579E+02	3.159E-01	-3.389E+00	-1.199E-01	3.828E+03	-3.937E+03	1.247E-01
229	1	15272.74	-60.35	42.30	1	-1.438E+00	4.579E-02	-3.483E-03	-3.539E+04	-4.480E+02	-2.587E+03	4.580E-02	-1.438E+00	1.573E+00	-2.574E+02	-3.558E+04	1.644E+00
229	2	15282.24	-100.58	42.30	1	-1.410E+00	1.066E-01	3.575E-02	-2.283E+04	-3.391E+03	8.004E+01	1.075E-01	-1.411E+00	1.547E+00	-3.391E+03	-2.283E+04	1.567E+00
229	3	15291.74	-60.35	42.30	1	-1.395E+00	2.660E-02	-6.282E-03	-3.533E+04	-1.244E+03	7.532E+02	2.663E-02	-1.395E+00	1.575E+00	-1.227E+03	-3.535E+04	1.549E+00
229	4	15282.24	-20.12	42.30	1	-1.422E+00	-3.422E-02	-4.552E-02	-4.798E+04	7.164E+02	-4.646E+02	-3.273E-02	-1.424E+00	1.604E+00	7.209E+02	-4.799E+04	1.580E+00
230	1	15310.08	-60.35	42.30	1	-1.395E+00	2.781E-02	1.510E-01	-3.621E+04	-3.466E+03	1.242E+03	4.367E-02	-1.411E+00	1.466E+00	-3.419E+03	-3.626E+04	1.533E+00
230	2	15337.24	-100.58	42.30	1	-1.147E+00	9.664E-03	2.962E-01	-1.752E+04	-1.414E+04	1.876E+03	8.114E-02	-1.218E+00	1.334E+00	-1.331E+04	-1.836E+04	1.152E+00
230	3	15364.41	-60.35	42.30	1	-8.757E-01	-1.578E-01	1.666E-01	-3.467E+04	-1.874E+04	1.243E+03	-1.210E-01	-9.125E-01	1.354E+00	-1.865E+04	-3.476E+04	1.493E+00
230	4	15337.24	-20.12	42.30	1	-1.124E+00	-1.396E-01	2.140E-02	-5.107E+04	-1.501E+04	-1.654E+03	-1.392E-01	-1.124E+00	1.549E+00	-1.494E+04	-5.115E+04	1.617E+00
231	1	15391.58	-60.35	42.30	1	-8.764E-01	-1.628E-01	-1.679E-01	-3.467E+04	-1.875E+04	1.247E+03	-1.253E-01	-9.139E-01	1.791E+00	-1.865E+04	-3.477E+04	1.493E+00
231	2	15418.74	-100.58	42.30	1	-1.165E+00	1.146E-02	-3.066E-01	-1.751E+04	-1.414E+04	-1.866E+03	8.655E-02	-1.240E+00	1.811E+00	-1.331E+04	-1.834E+04	1.989E+00
231	3	15445.91	-60.35	42.30	1	-1.430E+00	3.511E-02	-1.522E-01	-3.620E+04	-3.460E+03	-1.245E+03	5.075E-02	-1.446E+00	1.673E+00	-3.413E+03	-3.624E+04	1.609E+00
231	4	15418.74	-20.12	42.30	1	-1.142E+00	-1.391E-01	-1.347E-02	-5.107E+04	-1.501E+04	-1.655E+03	-1.389E-01	-1.142E+00	1.584E+00	-1.494E+04	-5.115E+04	1.617E+00



232	1	15464.24	-60.35	42.30	1	-1.431E+00	2.617E-02	9.695E-03	-3.532E+04	-1.244E+03	-7.494E+02	2.623E-02	-1.431E+00	1.564E+00	-1.228E+03	-3.533E+04	1.593E+00
232	2	15473.74	-100.58	42.30	1	-1.450E+00	1.088E-01	-3.951E-02	-2.281E+04	-3.391E+03	-7.970E+01	1.098E-01	-1.451E+00	1.596E+00	-3.391E+03	-2.281E+04	1.575E+00
232	3	15483.24	-60.35	42.30	1	-1.482E+00	4.874E-02	6.860E-03	-3.538E+04	-4.448E+02	2.593E+03	4.877E-02	-1.482E+00	1.566E+00	-2.534E+02	-3.557E+04	1.497E+00
232	4	15473.74	-20.12	42.30	1	-1.462E+00	-3.388E-02	5.607E-02	-4.798E+04	7.195E+02	-4.661E+02	-3.168E-02	-1.465E+00	1.532E+00	7.239E+02	-4.798E+04	1.580E+00
233	1	15272.74	60.35	42.30	1	-1.438E+00	4.579E-02	3.483E-03	-3.539E+04	-4.480E+02	2.587E+03	4.580E-02	-1.438E+00	1.568E+00	-2.574E+02	-3.558E+04	1.497E+00
233	2	15282.24	20.12	42.30	1	-1.422E+00	-3.422E-02	4.552E-02	-4.798E+04	7.164E+02	-4.646E+02	-3.273E-02	-1.424E+00	1.538E+00	7.209E+02	-4.799E+04	1.580E+00
233	3	15291.74	60.35	42.30	1	-1.395E+00	2.660E-02	6.282E-03	-3.533E+04	-1.244E+03	-7.532E+02	2.663E-02	-1.395E+00	1.566E+00	-1.227E+03	-3.535E+04	1.593E+00
233	4	15282.24	100.58	42.30	1	-1.410E+00	1.066E-01	-3.575E-02	-2.283E+04	-3.391E+03	-8.004E+01	1.075E-01	-1.411E+00	1.594E+00	-3.391E+03	-2.283E+04	1.575E+00
234	1	15310.08	60.35	42.30	1	-1.395E+00	2.781E-02	-1.510E-01	-3.621E+04	-3.466E+03	-1.242E+03	4.367E-02	-1.411E+00	1.675E+00	-3.419E+03	-3.626E+04	1.609E+00
234	2	15337.24	20.12	42.30	1	-1.124E+00	-1.396E-01	-2.140E-02	-5.107E+04	-1.501E+04	-1.654E+03	-1.392E-01	-1.124E+00	1.593E+00	-1.494E+04	-5.115E+04	1.617E+00
234	3	15364.41	60.35	42.30	1	-8.757E-01	-1.578E-01	-1.666E-01	-3.467E+04	-1.874E+04	-1.243E+03	-1.210E-01	-9.125E-01	1.788E+00	-1.865E+04	-3.476E+04	1.648E+00
234	4	15337.24	100.58	42.30	1	-1.147E+00	9.664E-03	-2.962E-01	-1.752E+04	-1.414E+04	-1.876E+03	8.114E-02	-1.218E+00	1.808E+00	-1.331E+04	-1.836E+04	1.990E+00
235	1	15391.58	60.35	42.30	1	-8.764E-01	-1.628E-01	1.679E-01	-3.467E+04	-1.875E+04	-1.247E+03	-1.253E-01	-9.139E-01	1.351E+00	-1.865E+04	-3.477E+04	1.648E+00
235	2	15418.74	20.12	42.30	1	-1.142E+00	-1.391E-01	1.347E-02	-5.107E+04	-1.501E+04	-1.655E+03	-1.389E-01	-1.142E+00	1.557E+00	-1.494E+04	-5.115E+04	1.617E+00
235	3	15445.91	60.35	42.30	1	-1.430E+00	3.511E-02	1.522E-01	-3.620E+04	-3.460E+03	1.245E+03	5.075E-02	-1.446E+00	1.468E+00	-3.413E+03	-3.624E+04	1.533E+00
235	4	15418.74	100.58	42.30	1	-1.165E+00	1.146E-02	3.066E-01	-1.751E+04	-1.414E+04	1.866E+03	8.655E-02	-1.240E+00	1.331E+00	-1.331E+04	-1.834E+04	1.153E+00
236	1	15464.24	60.35	42.30	1	-1.431E+00	2.617E-02	-9.695E-03	-3.532E+04	-1.244E+03	7.494E+02	2.623E-02	-1.431E+00	1.577E+00	-1.228E+03	-3.533E+04	1.549E+00
236	2	15473.74	20.12	42.30	1	-1.462E+00	-3.388E-02	-5.607E-02	-4.798E+04	7.195E+02	-4.661E+02	-3.168E-02	-1.465E+00	1.610E+00	7.239E+02	-4.798E+04	1.580E+00
236	3	15483.24	60.35	42.30	1	-1.482E+00	4.874E-02	-6.860E-03	-3.538E+04	-4.448E+02	-2.593E+03	4.877E-02	-1.482E+00	1.575E+00	-2.534E+02	-3.557E+04	1.644E+00
236	4	15473.74	100.58	42.30	1	-1.450E+00	1.088E-01	3.951E-02	-2.281E+04	-3.391E+03	7.970E+01	1.098E-01	-1.451E+00	1.545E+00	-3.391E+03	-2.281E+04	1.567E+00
237	1	15282.24	125.95	42.30	1	-3.504E-02	-2.355E+00	-1.367E-01	1.829E+03	-1.055E+04	2.007E+02	-2.701E-02	-2.363E+00	-5.868E-02	1.832E+03	-1.055E+04	1.621E-02
237	2	15291.74	136.45	42.30	1	2.597E-01	-3.263E+00	-4.248E-01	3.700E+03	-3.862E+03	9.655E+02	3.102E-01	-3.313E+00	-1.183E-01	3.821E+03	-3.983E+03	1.250E-01
237	3	15282.24	146.95	42.30	1	2.192E-02	-2.369E+00	-7.252E-01	2.059E+03	1.469E+03	9.456E+02	2.247E-01	-2.571E+00	-2.727E-01	2.754E+03	7.734E+02	6.344E-01
237	4	15272.74	136.45	42.30	1	-2.728E-01	-1.461E+00	-4.372E-01	4.716E+02	-5.435E+03	1.495E+03	-1.292E-01	-1.604E+00	-3.173E-01	8.284E+02	-5.792E+03	2.343E-01
238	1	15337.24	125.95	42.30	1	-5.663E-02	-1.589E+00	6.202E-01	-3.920E+03	-8.032E+03	1.769E+03	1.629E-01	-1.808E+00	3.403E-01	-3.263E+03	-8.688E+03	3.552E-01
238	2	15364.41	136.45	42.30	1	-2.894E-02	1.058E-01	6.495E-01	-7.050E+03	-6.363E+03	5.754E+02	6.914E-01	-6.145E-01	8.371E-01	-6.036E+03	-7.377E+03	1.055E+00
238	3	15337.24	146.95	42.30	1	-2.842E-03	-1.612E+00	6.196E-01	-3.709E+03	-2.014E+03	1.121E+03	2.081E-01	-1.823E+00	3.282E-01	-1.456E+03	-4.266E+03	1.109E+00
238	4	15310.08	136.45	42.30	1	-3.053E-02	-3.306E+00	5.903E-01	-5.792E+02	-5.545E+03	1.831E+03	7.260E-02	-3.409E+00	1.730E-01	2.292E+01	-6.147E+03	3.177E-01
239	1	15418.74	125.95	42.30	1	-5.784E-02	-1.627E+00	-6.254E-01	-3.917E+03	-8.013E+03	-1.763E+03	1.610E-01	-1.846E+00	-3.365E-01	-3.263E+03	-8.668E+03	-3.554E-01
239	2	15445.91	136.45	42.30	1	-3.350E-02	-3.380E+00	-5.974E-01	-5.746E+02	-5.501E+03	-1.824E+03	6.995E-02	-3.484E+00	-1.715E-01	2.729E+01	-6.103E+03	-3.187E-01
239	3	15418.74	146.95	42.30	1	-7.542E-03	-1.648E+00	-6.248E-01	-3.709E+03	-1.994E+03	-1.105E+03	2.033E-01	-1.859E+00	-3.255E-01	-1.453E+03	-4.250E+03	2.026E+00
239	4	15391.58	136.45	42.30	1	-3.188E-02	1.054E-01	-6.528E-01	-7.052E+03	-6.361E+03	5.636E+02	6.931E-01	-6.196E-01	2.304E+00	-6.046E+03	-7.368E+03	1.060E+00
240	1	15473.74	125.95	42.30	1	-3.557E-02	-2.413E+00	1.466E-01	1.836E+03	-1.051E+04	-1.964E+02	-2.656E-02	-2.422E+00	6.137E-02	1.839E+03	-1.052E+04	-1.590E-02
240	2	15483.24	136.45	42.30	1	-2.786E-01	-1.503E+00	4.520E-01	4.674E+02	-5.403E+03	-1.490E+03	-1.298E-01	-1.652E+00	3.180E-01	8.238E+02	-5.759E+03	-2.348E-01
240	3	15473.74	146.95	42.30	1	1.989E-02	-2.426E+00	7.452E-01	2.061E+03	1.507E+03	-9.483E+02	2.291E-01	-2.635E+00	2.736E-01	2.772E+03	7.963E+02	-6.433E-01
240	4	15464.24	136.45	42.30	1	2.630E-01	-3.336E+00	4.398E-01	3.708E+03	-3.817E+03	-9.579E+02	3.159E-01	-3.389E+00	1.199E-01	3.828E+03	-3.937E+03	-1.247E-01
241	1	15282.24	157.45	42.30	1	3.347E-01	-2.834E-01	-8.070E-01	2.538E+03	2.173E+03	1.491E+03	8.898E-01	-8.385E-01	-6.025E-01	3.857E+03	8.530E+02	7.245E-01
241	2	15291.74	167.95	42.30	1	-4.097E-01	5.549E-01	-6.928E-01	3.284E+03	1.275E+03	6.994E+02	9.167E-01	-7.715E-01	2.052E+00	3.503E+03	1.055E+03	3.041E-01
241	3	15282.24	178.45	42.30	1	-7.352E-01	-2.426E-02	-3.441E-01	1.618E+03	3.920E+02	9.816E+02	1.150E-01	-8.744E-01	1.955E+00	2.162E+03	-1.522E+02	5.062E-01
241	4	15272.74	167.95	42.30	1	9.201E-03	-8.626E-01	-4.583E-01	3.708E+02	1.672E+03	1.082E+03	2.058E-01	-1.059E+00	-4.052E-01	2.284E+03	-2.413E+02	1.056E+00
242	1	15337.24	157.45	42.30	1	2.561E-01	1.145E-01	6.651E-01	-3.452E+03	-6.672E+02	7.835E+02	8.541E-01	-4.836E-01	7.324E-01	-4.619E+02	-3.657E+03	1.315E+00
242	2	15364.41	167.95	42.30	1	4.007E-01	-5.707E-01	8.246E-01	-7.299E+03	-8.731E+02	8.684E+01	8.720E-01	-1.042E+00	5.192E-01	-8.719E+02	-7.300E+03	1.557E+00
242	3	15337.24	178.45	42.30	1	5.459E-01	-8.702E-03	6.653E-01	-3.495E+03	-2.201E+02	1.185E+02	9.894E-01	-4.522E-01	5.880E-01	-2.158E+02	-3.499E+03	1.535E+00

242	4	15310.08	167.95	42.30	1	4.013E-01	6.765E-01	5.058E-01	3.518E+02	-3.346E+02	2.835E+02	1.063E+00	1.470E-02	9.182E-01	4.537E+02	-4.366E+02	3.452E-01
243	1	15418.74	157.45	42.30	1	2.572E-01	1.165E-01	-6.700E-01	-3.456E+03	-6.733E+02	-7.649E+02	8.604E-01	-4.868E-01	-7.331E-01	-4.770E+02	-3.653E+03	1.822E+00
243	2	15445.91	167.95	42.30	1	3.977E-01	6.849E-01	-5.158E-01	3.390E+02	-3.457E+02	-2.727E+02	1.077E+00	5.858E-03	2.220E+00	4.344E+02	-4.410E+02	-3.363E-01
243	3	15418.74	178.45	42.30	1	5.376E-01	-2.782E-03	-6.702E-01	-3.502E+03	-2.250E+02	-1.030E+02	9.900E-01	-4.552E-01	-5.938E-01	-2.218E+02	-3.506E+03	1.602E+00
243	4	15391.58	167.95	42.30	1	3.971E-01	-5.713E-01	-8.243E-01	-7.298E+03	-8.752E+02	7.021E+01	8.689E-01	-1.043E+00	-5.199E-01	-8.744E+02	-7.299E+03	1.560E+00
244	1	15473.74	157.45	42.30	1	3.400E-01	-2.923E-01	8.254E-01	2.532E+03	2.164E+03	-1.494E+03	9.077E-01	-8.600E-01	6.025E-01	3.853E+03	8.426E+02	-7.240E-01
244	2	15483.24	167.95	42.30	1	7.325E-03	-8.823E-01	4.698E-01	3.728E+02	1.672E+03	-1.078E+03	2.095E-01	-1.084E+00	4.063E-01	2.282E+03	-2.365E+02	2.085E+00
244	3	15473.74	178.45	42.30	1	-7.522E-01	-2.768E-02	3.535E-01	1.604E+03	3.896E+02	-9.777E+02	1.162E-01	-8.961E-01	1.184E+00	2.148E+03	-1.541E+02	-5.075E-01
244	4	15464.24	167.95	42.30	1	-4.196E-01	5.623E-01	7.091E-01	3.265E+03	1.261E+03	-6.908E+02	9.339E-01	-7.911E-01	1.088E+00	3.480E+03	1.046E+03	-3.019E-01
245	1	17835.74	-167.95	44.85	1	-1.247E-14	-8.382E-14	1.060E-16	1.587E+03	3.043E+02	1.098E+03	-1.247E-14	-8.382E-14	0.000E+00	2.218E+03	-3.262E+02	5.211E-01
245	2	17845.24	-178.45	44.85	1	-3.228E-14	3.240E-14	3.961E-30	4.482E+02	1.799E+03	1.015E+03	3.240E-14	-3.228E-14	1.571E+00	2.343E+03	-9.608E+01	1.079E+00
245	3	17854.74	-167.95	44.85	1	8.408E-14	1.258E-14	-8.756E-30	1.507E+03	3.593E+03	7.621E+02	8.408E-14	1.258E-14	0.000E+00	3.842E+03	1.259E+03	1.255E+00
245	4	17845.24	-157.45	44.85	1	-3.204E-14	3.229E-14	-3.939E-30	2.241E+03	2.630E+03	1.351E+03	3.229E-14	-3.204E-14	1.571E+00	3.800E+03	1.071E+03	8.569E-01
246	1	17873.08	-167.95	44.85	1	-4.350E-15	-2.879E-14	1.624E-16	-1.658E+02	5.826E+02	3.706E+02	-4.348E-15	-2.879E-14	0.000E+00	7.351E+02	-3.183E+02	1.180E+00
246	2	17900.24	-178.45	44.85	1	-3.215E-14	3.269E-14	3.970E-30	-2.555E+02	-3.499E+03	2.401E+02	3.269E-14	-3.215E-14	1.571E+00	-2.378E+02	-3.517E+03	7.347E-02
246	3	17927.41	-167.95	44.85	1	2.992E-14	4.315E-15	-3.135E-30	-1.102E+03	-7.515E+03	-1.374E+02	2.992E-14	4.315E-15	0.000E+00	-1.099E+03	-7.518E+03	-2.141E-02
246	4	17900.24	-157.45	44.85	1	-3.185E-14	3.241E-14	-3.935E-30	-6.836E+02	-3.433E+03	1.030E+03	3.241E-14	-3.185E-14	1.571E+00	-3.403E+02	-3.776E+03	3.216E-01
247	1	17954.58	-167.95	44.85	1	-4.500E-15	-2.886E-14	-1.708E-16	-1.102E+03	-7.515E+03	-1.374E+02	-4.499E-15	-2.886E-14	0.000E+00	-1.099E+03	-7.518E+03	-2.141E-02
247	2	17981.74	-178.45	44.85	1	-3.189E-14	3.237E-14	3.935E-30	-2.555E+02	-3.499E+03	-2.401E+02	3.237E-14	-3.189E-14	1.571E+00	-2.378E+02	-3.517E+03	-7.347E-02
247	3	18008.91	-167.95	44.85	1	2.984E-14	4.452E-15	-3.110E-30	-1.658E+02	5.826E+02	-3.706E+02	2.984E-14	4.452E-15	0.000E+00	7.351E+02	-3.183E+02	1.961E+00
247	4	17981.74	-157.45	44.85	1	-3.219E-14	3.265E-14	-3.970E-30	-6.836E+02	-3.433E+03	-1.030E+03	3.265E-14	-3.219E-14	1.571E+00	-3.403E+02	-3.776E+03	-3.216E-01
248	1	18027.24	-167.95	44.85	1	-1.259E-14	-8.381E-14	-8.464E-17	1.507E+03	3.593E+03	-7.621E+02	-1.259E-14	-8.381E-14	0.000E+00	3.842E+03	1.259E+03	1.886E+00
248	2	18036.74	-178.45	44.85	1	-3.213E-14	3.227E-14	3.943E-30	4.482E+02	1.799E+03	-1.015E+03	3.227E-14	-3.213E-14	1.571E+00	2.343E+03	-9.608E+01	2.063E+00
248	3	18046.24	-167.95	44.85	1	8.403E-14	1.271E-14	-8.733E-30	1.587E+03	3.043E+02	-1.098E+03	8.403E-14	1.271E-14	0.000E+00	2.218E+03	-3.262E+02	-5.211E-01
248	4	18036.74	-157.45	44.85	1	-3.229E-14	3.249E-14	-3.966E-30	2.241E+03	2.630E+03	-1.351E+03	3.249E-14	-3.229E-14	1.571E+00	3.800E+03	1.071E+03	2.285E+00
249	1	17845.24	-146.95	44.85	1	2.608E-16	3.654E-16	-3.261E-14	1.972E+03	5.302E+02	-8.100E+02	3.292E-14	-3.230E-14	1.571E+00	2.336E+03	1.668E+02	-4.217E-01
249	2	17854.74	-136.45	44.85	1	1.251E-14	8.416E-14	4.387E-30	3.502E+03	-5.016E+03	-1.027E+03	8.416E-14	1.251E-14	1.571E+00	3.624E+03	-5.138E+03	-1.183E-01
249	3	17845.24	-125.95	44.85	1	3.180E-14	-3.145E-14	-7.746E-30	1.690E+03	-1.150E+04	-2.432E+02	3.180E-14	-3.145E-14	0.000E+00	1.695E+03	-1.150E+04	-1.843E-02
249	4	17835.74	-136.45	44.85	1	-8.400E-14	-1.169E-14	-4.427E-30	5.862E+02	-6.274E+03	-1.529E+03	-1.169E-14	-8.400E-14	1.571E+00	9.115E+02	-6.599E+03	-2.097E-01
250	1	17900.24	-146.95	44.85	1	5.716E-16	-8.340E-17	-3.254E-14	-3.792E+03	-2.690E+03	-1.338E+03	3.278E-14	-3.229E-14	0.000E+00	-1.794E+03	-4.687E+03	2.161E+00
250	2	17927.41	-136.45	44.85	1	4.106E-15	3.008E-14	1.590E-30	-7.045E+03	-6.750E+03	6.004E+02	3.008E-14	4.106E-15	1.571E+00	-6.279E+03	-7.516E+03	9.055E-01
250	3	17900.24	-125.95	44.85	1	3.235E-14	-3.169E-14	-7.842E-30	-3.983E+03	-8.676E+03	-1.794E+03	3.235E-14	-3.169E-14	0.000E+00	-3.376E+03	-9.283E+03	-3.263E-01
250	4	17873.08	-136.45	44.85	1	-2.864E-14	-4.395E-15	-1.484E-30	-7.309E+02	-6.700E+03	-1.883E+03	-4.395E-15	-2.864E-14	1.571E+00	-1.868E+02	-7.244E+03	-2.814E-01
251	1	17981.74	-146.95	44.85	1	4.518E-16	-1.163E-16	-3.196E-14	-3.792E+03	-2.690E+03	1.338E+03	3.213E-14	-3.179E-14	0.000E+00	-1.794E+03	-4.687E+03	9.807E-01
251	2	18008.91	-136.45	44.85	1	4.482E-15	2.982E-14	1.552E-30	-7.309E+02	-6.700E+03	1.883E+03	2.982E-14	4.482E-15	1.571E+00	-1.868E+02	-7.244E+03	2.814E-01
251	3	17981.74	-125.95	44.85	1	3.277E-14	-3.242E-14	-7.983E-30	-3.983E+03	-8.676E+03	1.794E+03	3.277E-14	-3.242E-14	0.000E+00	-3.376E+03	-9.283E+03	3.263E-01
251	4	17954.58	-136.45	44.85	1	-2.889E-14	-4.729E-15	-1.479E-30	-7.045E+03	-6.750E+03	6.004E+02	-4.729E-15	-2.889E-14	1.571E+00	-6.279E+03	-7.516E+03	9.055E-01
252	1	18036.74	-146.95	44.85	1	1.888E-16	2.935E-16	-3.204E-14	1.972E+03	5.302E+02	8.100E+02	3.229E-14	-3.180E-14	1.571E+00	2.336E+03	1.668E+02	4.217E-01
252	2	18046.24	-136.45	44.85	1	1.328E-14	8.377E-14	4.316E-30	5.862E+02	-6.274E+03	1.529E+03	8.377E-14	1.328E-14	1.571E+00	9.115E+02	-6.599E+03	2.097E-01
252	3	18036.74	-125.95	44.85	1	3.277E-14	-3.268E-14	-8.015E-30	1.690E+03	-1.150E+04	2.432E+02	3.277E-14	-3.268E-14	0.000E+00	1.695E+03	-1.150E+04	1.843E-02
252	4	18027.24	-136.45	44.85	1	-8.391E-14	-1.256E-14	-4.368E-30	3.502E+03	-5.016E+03	1.027E+03	-1.256E-14	-8.391E-14	1.571E+00	3.624E+03	-5.138E+03	1.183E-01
253	1	17835.74	-60.35	44.85	1	-5.041E-15	-4.208E-14	1.847E-16	-3.617E+04	-4.673E+02	-2.566E+03	-5.041E-15	-4.208E-14	0.000E+00	-2.838E+02	-3.635E+04	1.642E+00
253	2	17845.24	-100.58	44.85	1	-3.653E-15	4.805E-15	5.179E-31	-2.363E+04	-3.420E+03	1.077E+02	4.805E-15	-3.653E-15	1.571E+00	-3.420E+03	-2.364E+04	1.565E+00

253	3	17854.74	-60.35	44.85	1	4.196E-14	7.330E-15	-4.240E-30	-3.610E+04	-1.242E+03	7.619E+02	4.196E-14	7.330E-15	0.000E+00	-1.226E+03	-3.611E+04	1.549E+00
253	4	17845.24	-20.12	44.85	1	-3.367E-15	4.384E-15	-4.746E-31	-4.873E+04	7.093E+02	-4.611E+02	4.384E-15	-3.367E-15	1.571E+00	7.136E+02	-4.873E+04	1.580E+00
254	1	17873.08	-60.35	44.85	1	-1.294E-15	-1.555E-14	7.880E-16	-3.698E+04	-3.479E+03	1.249E+03	-1.251E-15	-1.559E-14	0.000E+00	-3.432E+03	-3.703E+04	1.534E+00
254	2	17900.24	-100.58	44.85	1	-4.380E-15	4.538E-15	5.461E-31	-1.828E+04	-1.414E+04	1.871E+03	4.538E-15	-4.380E-15	1.571E+00	-1.342E+04	-1.900E+04	1.203E+00
254	3	17927.41	-60.35	44.85	1	1.486E-14	2.963E-16	-1.783E-30	-3.542E+04	-1.863E+04	-1.257E+03	1.486E-14	2.963E-16	0.000E+00	-1.854E+04	-3.551E+04	1.645E+00
254	4	17900.24	-20.12	44.85	1	-3.578E-15	1.736E-15	-3.254E-31	-5.181E+04	-1.499E+04	-1.665E+03	1.736E-15	-3.578E-15	1.571E+00	-1.492E+04	-5.189E+04	1.616E+00
255	1	17954.58	-60.35	44.85	1	-3.945E-15	-1.400E-14	-1.024E-15	-3.542E+04	-1.863E+04	-1.257E+03	-3.842E-15	-1.410E-14	0.000E+00	-1.854E+04	-3.551E+04	1.645E+00
255	2	17981.74	-100.58	44.85	1	-3.989E-15	4.079E-15	4.940E-31	-1.828E+04	-1.414E+04	-1.871E+03	4.079E-15	-3.989E-15	1.571E+00	-1.342E+04	-1.900E+04	1.938E+00
255	3	18008.91	-60.35	44.85	1	1.441E-14	3.238E-15	-1.369E-30	-3.698E+04	-3.479E+03	-1.249E+03	1.441E-14	3.238E-15	0.000E+00	-3.432E+03	-3.703E+04	1.608E+00
255	4	17981.74	-20.12	44.85	1	-6.278E-15	5.895E-15	-7.454E-31	-5.181E+04	-1.499E+04	1.665E+03	5.895E-15	-6.278E-15	1.571E+00	-1.492E+04	-5.189E+04	1.526E+00
256	1	18027.24	-60.35	44.85	1	-5.098E-15	-4.185E-14	4.594E-17	-3.610E+04	-1.242E+03	-7.619E+02	-5.098E-15	-4.185E-14	0.000E+00	-1.226E+03	-3.611E+04	1.593E+00
256	2	18036.74	-100.58	44.85	1	-3.661E-15	4.448E-15	4.965E-31	-2.363E+04	-3.420E+03	-1.077E+02	4.448E-15	-3.661E-15	1.571E+00	-3.420E+03	-2.364E+04	1.576E+00
256	3	18046.24	-60.35	44.85	1	4.221E-14	7.203E-15	-4.287E-30	-3.617E+04	-4.673E+02	2.566E+03	4.221E-14	7.203E-15	0.000E+00	-2.838E+02	-3.635E+04	1.499E+00
256	4	18036.74	-20.12	44.85	1	-3.142E-15	4.817E-15	-4.873E-31	-4.873E+04	7.093E+02	-4.611E+02	4.817E-15	-3.142E-15	1.571E+00	7.136E+02	-4.873E+04	1.580E+00
257	1	17835.74	60.35	44.85	1	7.133E-15	4.206E-14	-3.927E-16	-3.617E+04	-4.673E+02	2.566E+03	4.206E-14	7.129E-15	1.571E+00	-2.838E+02	-3.635E+04	1.499E+00
257	2	17845.24	20.12	44.85	1	-4.269E-15	4.936E-15	5.637E-31	-4.873E+04	7.093E+02	-4.611E+02	4.936E-15	-4.269E-15	1.571E+00	7.136E+02	-4.873E+04	1.580E+00
257	3	17854.74	60.35	44.85	1	-5.416E-15	-4.190E-14	-4.468E-30	-3.610E+04	-1.242E+03	-7.619E+02	-5.416E-15	-4.190E-14	0.000E+00	-1.226E+03	-3.611E+04	1.593E+00
257	4	17845.24	100.58	44.85	1	-3.208E-15	4.415E-15	-4.668E-31	-2.363E+04	-3.420E+03	-1.077E+02	4.415E-15	-3.208E-15	1.571E+00	-3.420E+03	-2.364E+04	1.576E+00
258	1	17873.08	60.35	44.85	1	3.211E-15	1.565E-14	-6.082E-16	-3.698E+04	-3.479E+03	-1.249E+03	1.568E-14	3.182E-15	1.571E+00	-3.432E+03	-3.703E+04	1.608E+00
258	2	17900.24	20.12	44.85	1	-3.897E-15	5.519E-15	5.766E-31	-5.181E+04	-1.499E+04	-1.665E+03	5.519E-15	-3.897E-15	1.571E+00	-1.492E+04	-5.189E+04	1.616E+00
258	3	17927.41	60.35	44.85	1	1.849E-15	-1.484E-14	-2.043E-30	-3.542E+04	-1.863E+04	-1.257E+03	1.849E-15	-1.484E-14	0.000E+00	-1.854E+04	-3.551E+04	1.645E+00
258	4	17900.24	100.58	44.85	1	-8.541E-16	5.102E-15	-3.647E-31	-1.828E+04	-1.414E+04	-1.871E+03	5.102E-15	-8.541E-16	1.571E+00	-1.342E+04	-1.900E+04	1.938E+00
259	1	17954.58	60.35	44.85	1	6.790E-15	1.864E-14	-6.806E-15	-3.542E+04	-1.863E+04	-1.257E+03	2.174E-14	3.691E-15	1.571E+00	-1.854E+04	-3.551E+04	1.645E+00
259	2	17981.74	20.12	44.85	1	-5.944E-15	1.481E-14	1.271E-30	-5.181E+04	-1.499E+04	1.665E+03	1.481E-14	-5.944E-15	1.571E+00	-1.492E+04	-5.189E+04	1.526E+00
259	3	18008.91	60.35	44.85	1	1.061E-14	-1.520E-14	-3.161E-30	-3.698E+04	-3.479E+03	1.249E+03	1.061E-14	-1.520E-14	0.000E+00	-3.432E+03	-3.703E+04	1.534E+00
259	4	17981.74	100.58	44.85	1	2.021E-16	1.177E-14	-7.086E-31	-1.828E+04	-1.414E+04	1.871E+03	1.177E-14	2.021E-16	1.571E+00	-1.342E+04	-1.900E+04	1.203E+00
260	1	18027.24	60.35	44.85	1	1.579E-14	3.791E-14	1.831E-15	-3.610E+04	-1.242E+03	7.619E+02	3.806E-14	1.564E-14	1.571E+00	-1.226E+03	-3.611E+04	1.549E+00
260	2	18036.74	20.12	44.85	1	-3.160E-15	1.225E-14	9.438E-31	-4.873E+04	7.093E+02	-4.611E+02	1.225E-14	-3.160E-15	1.571E+00	7.136E+02	-4.873E+04	1.580E+00
260	3	18046.24	60.35	44.85	1	-9.266E-16	-4.447E-14	-5.332E-30	-3.617E+04	-4.673E+02	-2.566E+03	-9.266E-16	-4.447E-14	0.000E+00	-2.838E+02	-3.635E+04	1.642E+00
260	4	18036.74	100.58	44.85	1	-1.411E-14	1.333E-14	-1.680E-30	-2.363E+04	-3.420E+03	1.077E+02	1.333E-14	-1.411E-14	1.571E+00	-3.420E+03	-2.364E+04	1.565E+00
261	1	17845.24	125.95	44.85	1	4.048E-17	-1.052E-15	3.157E-14	1.690E+03	-1.150E+04	2.432E+02	3.107E-14	-3.208E-14	0.000E+00	1.695E+03	-1.150E+04	1.843E-02
261	2	17854.74	136.45	44.85	1	-8.423E-14	-1.318E-14	4.350E-30	3.502E+03	-5.016E+03	1.027E+03	-1.318E-14	-8.423E-14	1.571E+00	3.624E+03	-5.138E+03	1.183E-01
261	3	17845.24	146.95	44.85	1	3.205E-14	-3.338E-14	-8.013E-30	1.972E+03	5.302E+02	8.100E+02	3.205E-14	-3.338E-14	0.000E+00	2.336E+03	1.668E+02	4.217E-01
261	4	17835.74	136.45	44.85	1	1.118E-14	8.389E-14	-4.452E-30	5.862E+02	-6.274E+03	1.529E+03	8.389E-14	1.118E-14	1.571E+00	9.115E+02	-6.599E+03	2.097E-01
262	1	17900.24	125.95	44.85	1	1.222E-15	-2.892E-15	3.057E-14	-3.983E+03	-8.676E+03	1.794E+03	2.980E-14	-3.147E-14	0.000E+00	-3.376E+03	-9.283E+03	3.263E-01
262	2	17927.41	136.45	44.85	1	-3.018E-14	-7.765E-15	1.373E-30	-7.045E+03	-6.750E+03	6.004E+02	-7.765E-15	-3.018E-14	1.571E+00	-6.279E+03	-7.516E+03	9.055E-01
262	3	17900.24	146.95	44.85	1	3.248E-14	-3.550E-14	-8.325E-30	-3.792E+03	-2.690E+03	1.338E+03	3.248E-14	-3.550E-14	0.000E+00	-1.794E+03	-4.687E+03	9.807E-01
262	4	17873.08	136.45	44.85	1	3.846E-15	2.942E-14	-1.566E-30	-7.309E+02	-6.700E+03	1.883E+03	2.942E-14	3.846E-15	1.571E+00	-1.868E+02	-7.244E+03	2.814E-01
263	1	17981.74	125.95	44.85	1	5.775E-15	1.389E-14	4.081E-14	-3.983E+03	-8.676E+03	-1.794E+03	5.084E-14	-3.118E-14	1.571E+00	-3.376E+03	-9.283E+03	-3.263E-01
263	2	18008.91	136.45	44.85	1	-2.394E-14	2.714E-14	3.128E-30	-7.309E+02	-6.700E+03	-1.883E+03	2.714E-14	-2.394E-14	1.571E+00	-1.868E+02	-7.244E+03	-2.814E-01
263	3	17981.74	146.95	44.85	1	3.533E-14	-1.331E-14	-5.957E-30	-3.792E+03	-2.690E+03	-1.338E+03	3.533E-14	-1.331E-14	0.000E+00	-1.794E+03	-4.687E+03	2.161E+00
263	4	17954.58	136.45	44.85	1	4.156E-17	3.844E-14	-2.351E-30	-7.045E+03	-6.750E+03	6.004E+02	3.844E-14	4.156E-17	1.571E+00	-6.279E+03	-7.516E+03	9.055E-01
264	1	18036.74	125.95	44.85	1	-1.509E-15	4.710E-14	3.129E-14	1.690E+03	-1.150E+04	-2.432E+02	6.242E-14	-1.683E-14	1.571E+00	1.695E+03	-1.150E+04	-1.843E-02

264	2	18046.24	136.45	44.85	1	-8.231E-14	4.863E-14	8.017E-30	5.862E+02	-6.274E+03	-1.529E+03	4.863E-14	-8.231E-14	1.571E+00	9.115E+02	-6.599E+03	-2.097E-01
264	3	18036.74	146.95	44.85	1	5.931E-14	-8.744E-16	-7.370E-30	1.972E+03	5.302E+02	-8.100E+02	5.931E-14	-8.744E-16	0.000E+00	2.336E+03	1.668E+02	-4.217E-01
264	4	18027.24	136.45	44.85	1	3.953E-14	9.818E-14	-3.592E-30	3.502E+03	-5.016E+03	-1.027E+03	9.818E-14	3.953E-14	1.571E+00	3.624E+03	-5.138E+03	-1.183E-01
265	1	17845.24	157.45	44.85	1	-2.411E-16	-5.298E-17	3.227E-14	2.630E+03	2.241E+03	1.351E+03	3.213E-14	-3.242E-14	1.571E+00	3.800E+03	1.071E+03	7.139E-01
265	2	17854.74	167.95	44.85	1	-8.414E-14	-1.241E-14	4.392E-30	3.593E+03	1.507E+03	7.621E+02	-1.241E-14	-8.414E-14	1.571E+00	3.842E+03	1.259E+03	3.155E-01
265	3	17845.24	178.45	44.85	1	3.204E-14	-3.217E-14	-7.863E-30	1.799E+03	4.482E+02	1.015E+03	3.204E-14	-3.217E-14	0.000E+00	2.343E+03	-9.608E+01	4.920E-01
265	4	17835.74	167.95	44.85	1	1.225E-14	8.388E-14	-4.386E-30	3.043E+02	1.587E+03	1.098E+03	8.388E-14	1.225E-14	1.571E+00	2.218E+03	-3.262E+02	1.050E+00
266	1	17900.24	157.45	44.85	1	-9.364E-16	-7.184E-16	3.094E-14	-3.433E+03	-6.836E+02	1.030E+03	3.012E-14	-3.177E-14	1.571E+00	-3.403E+02	-3.776E+03	1.249E+00
266	2	17927.41	167.95	44.85	1	-3.148E-14	-4.715E-15	1.639E-30	-7.515E+03	-1.102E+03	1.374E+02	-4.715E-15	-3.148E-14	1.571E+00	-1.099E+03	-7.518E+03	1.549E+00
266	3	17900.24	178.45	44.85	1	3.228E-14	-3.501E-14	-8.239E-30	-3.499E+03	-2.555E+02	2.401E+02	3.228E-14	-3.501E-14	0.000E+00	-2.378E+02	-3.517E+03	1.497E+00
266	4	17873.08	167.95	44.85	1	4.315E-15	2.750E-14	-1.420E-30	5.826E+02	-1.658E+02	3.706E+02	2.750E-14	4.315E-15	1.571E+00	7.351E+02	-3.183E+02	3.903E-01
267	1	17981.74	157.45	44.85	1	7.074E-15	-6.446E-15	3.071E-14	-3.433E+03	-6.836E+02	-1.030E+03	3.176E-14	-3.113E-14	0.000E+00	-3.403E+02	-3.776E+03	1.892E+00
267	2	18008.91	167.95	44.85	1	-4.334E-14	3.007E-15	2.838E-30	5.826E+02	-1.658E+02	-3.706E+02	3.007E-15	-4.334E-14	1.571E+00	7.351E+02	-3.183E+02	-3.903E-01
267	3	17981.74	178.45	44.85	1	2.975E-14	-3.973E-14	-8.509E-30	-3.499E+03	-2.555E+02	-2.401E+02	2.975E-14	-3.973E-14	0.000E+00	-2.378E+02	-3.517E+03	1.644E+00
267	4	17954.58	167.95	44.85	1	8.931E-16	3.010E-14	-1.788E-30	-7.515E+03	-1.102E+03	1.374E+02	3.010E-14	8.931E-16	1.571E+00	-1.099E+03	-7.518E+03	1.549E+00
268	1	18036.74	157.45	44.85	1	2.205E-14	8.703E-14	1.944E-14	2.630E+03	2.241E+03	-1.351E+03	9.241E-14	1.667E-14	1.571E+00	3.800E+03	1.071E+03	-7.139E-01
268	2	18046.24	167.95	44.85	1	-1.200E-13	1.775E-13	1.821E-29	3.043E+02	1.587E+03	-1.098E+03	1.775E-13	-1.200E-13	1.571E+00	2.218E+03	-3.262E+02	2.092E+00
268	3	18036.74	178.45	44.85	1	1.050E-13	-3.980E-14	-1.773E-29	1.799E+03	4.482E+02	-1.015E+03	1.050E-13	-3.980E-14	0.000E+00	2.343E+03	-9.608E+01	-4.920E-01
268	4	18027.24	167.95	44.85	1	4.191E-15	1.126E-13	-6.635E-30	3.593E+03	1.507E+03	-7.621E+02	1.126E-13	4.191E-15	1.571E+00	3.842E+03	1.259E+03	-3.155E-01
269	1	20398.74	-167.95	47.40	1	-8.626E-01	9.201E-03	-4.583E-01	1.672E+03	3.708E+02	1.082E+03	2.058E-01	-1.059E+00	1.976E+00	2.284E+03	-2.413E+02	5.148E-01
269	2	20408.24	-178.45	47.40	1	-2.426E-02	-7.352E-01	-3.441E-01	3.920E+02	1.618E+03	9.816E+02	1.150E-01	-8.744E-01	-3.846E-01	2.162E+03	-1.522E+02	1.065E+00
269	3	20417.74	-167.95	47.40	1	5.549E-01	-4.097E-01	-6.928E-01	1.275E+03	3.284E+03	6.994E+02	9.167E-01	-7.715E-01	-4.813E-01	3.503E+03	1.055E+03	1.267E+00
269	4	20408.24	-157.45	47.40	1	-2.834E-01	3.347E-01	-8.070E-01	2.173E+03	2.538E+03	1.491E+03	8.898E-01	-8.385E-01	2.173E+00	3.857E+03	8.530E+02	8.463E-01
270	1	20436.07	-167.95	47.40	1	6.765E-01	4.013E-01	5.058E-01	-3.346E+02	3.518E+02	2.835E+02	1.063E+00	1.470E-02	6.526E-01	4.537E+02	-4.366E+02	1.226E+00
270	2	20463.24	-178.45	47.40	1	-8.702E-03	5.459E-01	6.653E-01	-2.201E+02	-3.495E+03	1.185E+02	9.894E-01	-4.522E-01	9.828E-01	-2.158E+02	-3.499E+03	3.611E-02
270	3	20490.41	-167.95	47.40	1	-5.707E-01	4.007E-01	8.246E-01	-8.731E+02	-7.299E+03	8.684E+01	8.720E-01	-1.042E+00	1.052E+00	-8.719E+02	-7.300E+03	1.351E-02
270	4	20463.24	-157.45	47.40	1	1.145E-01	2.561E-01	6.651E-01	-6.672E+02	-3.452E+03	7.835E+02	8.541E-01	-4.836E-01	8.384E-01	-4.619E+02	-3.657E+03	2.563E-01
271	1	20517.57	-167.95	47.40	1	-5.713E-01	3.971E-01	-8.243E-01	-8.752E+02	-7.298E+03	7.021E+01	8.689E-01	-1.043E+00	2.091E+00	-8.744E+02	-7.299E+03	1.093E-02
271	2	20544.74	-178.45	47.40	1	-2.782E-03	5.376E-01	-6.702E-01	-2.250E+02	-3.502E+03	-1.030E+02	9.900E-01	-4.552E-01	2.165E+00	-2.218E+02	-3.506E+03	-3.137E-02
271	3	20571.91	-167.95	47.40	1	6.849E-01	3.977E-01	-5.158E-01	-3.457E+02	3.390E+02	-2.727E+02	1.077E+00	5.858E-03	-6.496E-01	4.344E+02	-4.410E+02	1.907E+00
271	4	20544.74	-157.45	47.40	1	1.165E-01	2.572E-01	-6.700E-01	-6.733E+02	-3.456E+03	-7.649E+02	8.604E-01	-4.868E-01	2.304E+00	-4.770E+02	-3.653E+03	-2.513E-01
272	1	20590.24	-167.95	47.40	1	5.623E-01	-4.196E-01	7.091E-01	1.261E+03	3.265E+03	-6.908E+02	9.339E-01	-7.911E-01	4.826E-01	3.480E+03	1.046E+03	1.873E+00
272	2	20599.74	-178.45	47.40	1	-2.768E-02	-7.522E-01	3.535E-01	3.896E+02	1.604E+03	-9.777E+02	1.162E-01	-8.961E-01	3.866E-01	2.148E+03	-1.541E+02	2.078E+00
272	3	20609.24	-167.95	47.40	1	-8.823E-01	7.325E-03	4.698E-01	1.672E+03	3.728E+02	-1.078E+03	2.095E-01	-1.084E+00	1.164E+00	2.282E+03	-2.365E+02	-5.143E-01
272	4	20599.74	-157.45	47.40	1	-2.923E-01	3.400E-01	8.254E-01	2.164E+03	2.532E+03	-1.494E+03	9.077E-01	-8.600E-01	9.683E-01	3.853E+03	8.426E+02	2.295E+00
273	1	20408.24	-146.95	47.40	1	2.192E-02	-2.369E+00	7.252E-01	2.059E+03	1.469E+03	-9.456E+02	2.247E-01	-2.571E+00	2.727E-01	2.754E+03	7.734E+02	-6.344E-01
273	2	20417.74	-136.45	47.40	1	2.597E-01	-3.263E+00	4.248E-01	3.700E+03	-3.862E+03	-9.655E+02	3.102E-01	-3.313E+00	1.183E-01	3.821E+03	-3.983E+03	-1.250E-01
273	3	20408.24	-125.95	47.40	1	-3.504E-02	-2.355E+00	1.367E-01	1.829E+03	-1.055E+04	-2.007E+02	-2.701E-02	-2.363E+00	5.868E-02	1.832E+03	-1.055E+04	-1.621E-02
273	4	20398.74	-136.45	47.40	1	-2.728E-01	-1.461E+00	4.372E-01	4.716E+02	-5.435E+03	-1.495E+03	-1.292E-01	-1.604E+00	3.173E-01	8.284E+02	-5.792E+03	-2.343E-01
274	1	20463.24	-146.95	47.40	1	-2.842E-03	-1.612E+00	-6.196E-01	-3.709E+03	-2.014E+03	-1.121E+03	2.081E-01	-1.823E+00	-3.282E-01	-1.456E+03	-4.266E+03	2.033E+00
274	2	20490.41	-136.45	47.40	1	-2.894E-02	1.058E-01	-6.495E-01	-7.050E+03	-6.363E+03	-5.754E+02	6.914E-01	-6.145E-01	2.305E+00	-6.036E+03	-7.377E+03	2.087E+00
274	3	20463.24	-125.95	47.40	1	-5.663E-02	-1.589E+00	-6.202E-01	-3.920E+03	-8.032E+03	-1.769E+03	1.629E-01	-1.808E+00	-3.403E-01	-3.263E+03	-8.688E+03	-3.552E-01
274	4	20436.07	-136.45	47.40	1	-3.053E-02	-3.306E+00	-5.903E-01	-5.792E+02	-5.545E+03	-1.831E+03	7.260E-02	-3.409E+00	-1.730E-01	2.292E+01	-6.147E+03	-3.177E-01

275	1	20544.74	-146.95	47.40	1	-7.542E-03	-1.648E+00	6.248E-01	-3.709E+03	-1.994E+03	1.105E+03	2.033E-01	-1.859E+00	3.255E-01	-1.453E+03	-4.250E+03	1.115E+00
275	2	20571.91	-136.45	47.40	1	-3.350E-02	-3.380E+00	5.974E-01	-5.746E+02	-5.501E+03	1.824E+03	6.995E-02	-3.484E+00	1.715E-01	2.729E+01	-6.103E+03	3.187E-01
275	3	20544.74	-125.95	47.40	1	-5.784E-02	-1.627E+00	6.254E-01	-3.917E+03	-8.013E+03	1.763E+03	1.610E-01	-1.846E+00	3.365E-01	-3.263E+03	-8.668E+03	3.554E-01
275	4	20517.57	-136.45	47.40	1	-3.188E-02	1.054E-01	6.528E-01	-7.052E+03	-6.361E+03	-5.636E+02	6.931E-01	-6.196E-01	8.378E-01	-6.046E+03	-7.368E+03	2.081E+00
276	1	20599.74	-146.95	47.40	1	1.989E-02	-2.426E+00	-7.452E-01	2.061E+03	1.507E+03	9.483E+02	2.291E-01	-2.635E+00	-2.736E-01	2.772E+03	7.963E+02	6.433E-01
276	2	20609.24	-136.45	47.40	1	-2.786E-01	-1.503E+00	-4.520E-01	4.674E+02	-5.403E+03	1.490E+03	-1.298E-01	-1.652E+00	-3.180E-01	8.238E+02	-5.759E+03	2.348E-01
276	3	20599.74	-125.95	47.40	1	-3.557E-02	-2.413E+00	-1.466E-01	1.836E+03	-1.051E+04	1.964E+02	-2.656E-02	-2.422E+00	-6.137E-02	1.839E+03	-1.052E+04	1.590E-02
276	4	20590.24	-136.45	47.40	1	2.630E-01	-3.336E+00	-4.398E-01	3.708E+03	-3.817E+03	9.579E+02	3.159E-01	-3.389E+00	-1.199E-01	3.828E+03	-3.937E+03	1.247E-01
277	1	20398.74	-60.35	47.40	1	-1.438E+00	4.579E-02	-3.483E-03	-3.539E+04	-4.480E+02	-2.587E+03	4.580E-02	-1.438E+00	1.573E+00	-2.574E+02	-3.558E+04	1.644E+00
277	2	20408.24	-100.58	47.40	1	-1.410E+00	1.066E-01	3.575E-02	-2.283E+04	-3.391E+03	8.004E+01	1.075E-01	-1.411E+00	1.547E+00	-3.391E+03	-2.283E+04	1.567E+00
277	3	20417.74	-60.35	47.40	1	-1.395E+00	2.660E-02	-6.282E-03	-3.533E+04	-1.244E+03	7.532E+02	2.663E-02	-1.395E+00	1.575E+00	-1.227E+03	-3.535E+04	1.549E+00
277	4	20408.24	-20.12	47.40	1	-1.422E+00	-3.422E-02	-4.552E-02	-4.798E+04	7.164E+02	-4.646E+02	-3.273E-02	-1.424E+00	1.604E+00	7.209E+02	-4.799E+04	1.580E+00
278	1	20436.07	-60.35	47.40	1	-1.395E+00	2.781E-02	1.510E-01	-3.621E+04	-3.466E+03	1.242E+03	4.367E-02	-1.411E+00	1.466E+00	-3.419E+03	-3.626E+04	1.533E+00
278	2	20463.24	-100.58	47.40	1	-1.147E+00	9.664E-03	2.962E-01	-1.752E+04	-1.414E+04	1.876E+03	8.114E-02	-1.218E+00	1.334E+00	-1.331E+04	-1.836E+04	1.152E+00
278	3	20490.41	-60.35	47.40	1	-8.757E-01	-1.578E-01	1.666E-01	-3.467E+04	-1.874E+04	1.243E+03	-1.210E-01	-9.125E-01	1.354E+00	-1.865E+04	-3.476E+04	1.493E+00
278	4	20463.24	-20.12	47.40	1	-1.124E+00	-1.396E-01	2.140E-02	-5.107E+04	-1.501E+04	1.654E+03	-1.392E-01	-1.124E+00	1.549E+00	-1.494E+04	-5.115E+04	1.525E+00
279	1	20517.57	-60.35	47.40	1	-8.764E-01	-1.628E-01	-1.679E-01	-3.467E+04	-1.875E+04	1.247E+03	-1.253E-01	-9.139E-01	1.791E+00	-1.865E+04	-3.477E+04	1.493E+00
279	2	20544.74	-100.58	47.40	1	-1.165E+00	1.146E-02	-3.066E-01	-1.751E+04	-1.414E+04	-1.866E+03	8.655E-02	-1.240E+00	1.811E+00	-1.331E+04	-1.834E+04	1.989E+00
279	3	20571.91	-60.35	47.40	1	-1.430E+00	3.511E-02	-1.522E-01	-3.620E+04	-3.460E+03	-1.245E+03	5.075E-02	-1.446E+00	1.673E+00	-3.413E+03	-3.624E+04	1.609E+00
279	4	20544.74	-20.12	47.40	1	-1.142E+00	-1.391E-01	-1.347E-02	-5.107E+04	-1.501E+04	-1.655E+03	-1.389E-01	-1.142E+00	1.584E+00	-1.494E+04	-5.115E+04	1.617E+00
280	1	20590.24	-60.35	47.40	1	-1.431E+00	2.617E-02	9.695E-03	-3.532E+04	-1.244E+03	-7.494E+02	2.623E-02	-1.431E+00	1.564E+00	-1.228E+03	-3.533E+04	1.593E+00
280	2	20599.74	-100.58	47.40	1	-1.450E+00	1.088E-01	-3.951E-02	-2.281E+04	-3.391E+03	-7.970E+01	1.098E-01	-1.451E+00	1.596E+00	-3.391E+03	-2.281E+04	1.575E+00
280	3	20609.24	-60.35	47.40	1	-1.482E+00	4.874E-02	6.860E-03	-3.538E+04	-4.448E+02	2.593E+03	4.877E-02	-1.482E+00	1.566E+00	-2.534E+02	-3.557E+04	1.497E+00
280	4	20599.74	-20.12	47.40	1	-1.462E+00	-3.388E-02	5.607E-02	-4.798E+04	7.195E+02	-4.661E+02	-3.168E-02	-1.465E+00	1.532E+00	7.239E+02	-4.798E+04	1.580E+00
281	1	20398.74	60.35	47.40	1	-1.438E+00	4.579E-02	3.483E-03	-3.539E+04	-4.480E+02	2.587E+03	4.580E-02	-1.438E+00	1.568E+00	-2.574E+02	-3.558E+04	1.497E+00
281	2	20408.24	20.12	47.40	1	-1.422E+00	-3.422E-02	4.552E-02	-4.798E+04	7.164E+02	-4.646E+02	-3.273E-02	-1.424E+00	1.538E+00	7.209E+02	-4.799E+04	1.580E+00
281	3	20417.74	60.35	47.40	1	-1.395E+00	2.660E-02	6.282E-03	-3.533E+04	-1.244E+03	-7.532E+02	2.663E-02	-1.395E+00	1.566E+00	-1.227E+03	-3.535E+04	1.593E+00
281	4	20408.24	100.58	47.40	1	-1.410E+00	1.066E-01	-3.575E-02	-2.283E+04	-3.391E+03	-8.004E+01	1.075E-01	-1.411E+00	1.594E+00	-3.391E+03	-2.283E+04	1.575E+00
282	1	20436.07	60.35	47.40	1	-1.395E+00	2.781E-02	-1.510E-01	-3.621E+04	-3.466E+03	-1.242E+03	4.367E-02	-1.411E+00	1.675E+00	-3.419E+03	-3.626E+04	1.609E+00
282	2	20463.24	20.12	47.40	1	-1.124E+00	-1.396E-01	-2.140E-02	-5.107E+04	-1.501E+04	1.654E+03	-1.392E-01	-1.124E+00	1.593E+00	-1.494E+04	-5.115E+04	1.525E+00
282	3	20490.41	60.35	47.40	1	-8.757E-01	-1.578E-01	-1.666E-01	-3.467E+04	-1.874E+04	-1.243E+03	-1.210E-01	-9.125E-01	1.788E+00	-1.865E+04	-3.476E+04	1.648E+00
282	4	20463.24	100.58	47.40	1	-1.147E+00	9.664E-03	-2.962E-01	-1.752E+04	-1.414E+04	-1.876E+03	8.114E-02	-1.218E+00	1.808E+00	-1.331E+04	-1.836E+04	1.990E+00
283	1	20517.57	60.35	47.40	1	-8.764E-01	-1.628E-01	1.679E-01	-3.467E+04	-1.875E+04	-1.247E+03	-1.253E-01	-9.139E-01	1.351E+00	-1.865E+04	-3.477E+04	1.648E+00
283	2	20544.74	20.12	47.40	1	-1.142E+00	-1.391E-01	1.347E-02	-5.107E+04	-1.501E+04	-1.655E+03	-1.389E-01	-1.142E+00	1.557E+00	-1.494E+04	-5.115E+04	1.617E+00
283	3	20571.91	60.35	47.40	1	-1.430E+00	3.511E-02	1.522E-01	-3.620E+04	-3.460E+03	1.245E+03	5.075E-02	-1.446E+00	1.468E+00	-3.413E+03	-3.624E+04	1.533E+00
283	4	20544.74	100.58	47.40	1	-1.165E+00	1.146E-02	3.066E-01	-1.751E+04	-1.414E+04	1.866E+03	8.655E-02	-1.240E+00	1.331E+00	-1.331E+04	-1.834E+04	1.153E+00
284	1	20590.24	60.35	47.40	1	-1.431E+00	2.617E-02	-9.695E-03	-3.532E+04	-1.244E+03	7.494E+02	2.623E-02	-1.431E+00	1.577E+00	-1.228E+03	-3.533E+04	1.549E+00
284	2	20599.74	20.12	47.40	1	-1.462E+00	-3.388E-02	-5.607E-02	-4.798E+04	7.195E+02	-4.661E+02	-3.168E-02	-1.465E+00	1.610E+00	7.239E+02	-4.798E+04	1.580E+00
284	3	20609.24	60.35	47.40	1	-1.482E+00	4.874E-02	-6.860E-03	-3.538E+04	-4.448E+02	-2.593E+03	4.877E-02	-1.482E+00	1.575E+00	-2.534E+02	-3.557E+04	1.644E+00
284	4	20599.74	100.58	47.40	1	-1.450E+00	1.088E-01	3.951E-02	-2.281E+04	-3.391E+03	7.970E+01	1.098E-01	-1.451E+00	1.545E+00	-3.391E+03	-2.281E+04	1.567E+00
285	1	20408.24	125.95	47.40	1	-3.504E-02	-2.355E+00	-1.367E-01	1.829E+03	-1.055E+04	2.007E+02	-2.701E-02	-2.363E+00	-5.868E-02	1.832E+03	-1.055E+04	1.621E-02
285	2	20417.74	136.45	47.40	1	2.597E-01	-3.263E+00	-4.248E-01	3.700E+03	-3.862E+03	9.655E+02	3.102E-01	-3.313E+00	-1.183E-01	3.821E+03	-3.983E+03	1.250E-01
285	3	20408.24	146.95	47.40	1	2.192E-02	-2.369E+00	-7.252E-01	2.059E+03	1.469E+03	9.456E+02	2.247E-01	-2.571E+00	-2.727E-01	2.754E+03	7.734E+02	6.344E-01

285	4	20398.74	136.45	47.40	1	-2.728E-01	-1.461E+00	-4.372E-01	4.716E+02	-5.435E+03	1.495E+03	-1.292E-01	-1.604E+00	-3.173E-01	8.284E+02	-5.792E+03	2.343E-01
286	1	20463.24	125.95	47.40	1	-5.663E-02	-1.589E+00	6.202E-01	-3.920E+03	-8.032E+03	1.769E+03	1.629E-01	-1.808E+00	3.403E-01	-3.263E+03	-8.688E+03	3.552E-01
286	2	20490.41	136.45	47.40	1	-2.894E-02	1.058E-01	6.495E-01	-7.050E+03	-6.363E+03	5.754E+02	6.914E-01	-6.145E-01	8.371E-01	-6.036E+03	-7.377E+03	1.055E+00
286	3	20463.24	146.95	47.40	1	-2.842E-03	-1.612E+00	6.196E-01	-3.709E+03	-2.014E+03	1.121E+03	2.081E-01	-1.823E+00	3.282E-01	-1.456E+03	-4.266E+03	1.109E+00
286	4	20436.07	136.45	47.40	1	-3.053E-02	-3.306E+00	5.903E-01	-5.792E+02	-5.545E+03	1.831E+03	7.260E-02	-3.409E+00	1.730E-01	2.292E+01	-6.147E+03	3.177E-01
287	1	20544.74	125.95	47.40	1	-5.784E-02	-1.627E+00	-6.254E-01	-3.917E+03	-8.013E+03	-1.763E+03	1.610E-01	-1.846E+00	-3.365E-01	-3.263E+03	-8.668E+03	-3.554E-01
287	2	20571.91	136.45	47.40	1	-3.350E-02	-3.380E+00	-5.974E-01	-5.746E+02	-5.501E+03	-1.824E+03	6.995E-02	-3.484E+00	-1.715E-01	2.729E+01	-6.103E+03	-3.187E-01
287	3	20544.74	146.95	47.40	1	-7.542E-03	-1.648E+00	-6.248E-01	-3.709E+03	-1.994E+03	-1.105E+03	2.033E-01	-1.859E+00	-3.255E-01	-1.453E+03	-4.250E+03	2.026E+00
287	4	20517.57	136.45	47.40	1	-3.188E-02	1.054E-01	-6.528E-01	-7.052E+03	-6.361E+03	5.636E+02	6.931E-01	-6.196E-01	2.304E+00	-6.046E+03	-7.368E+03	1.060E+00
288	1	20599.74	125.95	47.40	1	-3.557E-02	-2.413E+00	1.466E-01	1.836E+03	-1.051E+04	-1.964E+02	-2.656E-02	-2.422E+00	6.137E-02	1.839E+03	-1.052E+04	-1.590E-02
288	2	20609.24	136.45	47.40	1	-2.786E-01	-1.503E+00	4.520E-01	4.674E+02	-5.403E+03	-1.490E+03	-1.298E-01	-1.652E+00	3.180E-01	8.238E+02	-5.759E+03	-2.348E-01
288	3	20599.74	146.95	47.40	1	1.989E-02	-2.426E+00	7.452E-01	2.061E+03	1.507E+03	-9.483E+02	2.291E-01	-2.635E+00	2.736E-01	2.772E+03	7.963E+02	-6.433E-01
288	4	20590.24	136.45	47.40	1	2.630E-01	-3.336E+00	4.398E-01	3.708E+03	-3.817E+03	-9.579E+02	3.159E-01	-3.389E+00	1.199E-01	3.828E+03	-3.937E+03	-1.247E-01
289	1	20408.24	157.45	47.40	1	3.347E-01	-2.834E-01	-8.070E-01	2.538E+03	2.173E+03	1.491E+03	8.898E-01	-8.385E-01	-6.025E-01	3.857E+03	8.530E+02	7.245E-01
289	2	20417.74	167.95	47.40	1	-4.097E-01	5.549E-01	-6.928E-01	3.284E+03	1.275E+03	6.994E+02	9.167E-01	-7.715E-01	2.052E+00	3.503E+03	1.055E+03	3.041E-01
289	3	20408.24	178.45	47.40	1	-7.352E-01	-2.426E-02	-3.441E-01	1.618E+03	3.920E+02	9.816E+02	1.150E-01	-8.744E-01	1.955E+00	2.162E+03	-1.522E+02	5.062E-01
289	4	20398.74	167.95	47.40	1	9.201E-03	-8.626E-01	-4.583E-01	3.708E+02	1.672E+03	1.082E+03	2.058E-01	-1.059E+00	-4.052E-01	2.284E+03	-2.413E+02	1.056E+00
290	1	20463.24	157.45	47.40	1	2.561E-01	1.145E-01	6.651E-01	-3.452E+03	-6.672E+02	7.835E+02	8.541E-01	-4.836E-01	7.324E-01	-4.619E+02	-3.657E+03	1.315E+00
290	2	20490.41	167.95	47.40	1	4.007E-01	-5.707E-01	8.246E-01	-7.299E+03	-8.731E+02	8.684E+01	8.720E-01	-1.042E+00	5.192E-01	-8.719E+02	-7.300E+03	1.557E+00
290	3	20463.24	178.45	47.40	1	5.459E-01	-8.702E-03	6.653E-01	-3.495E+03	-2.201E+02	1.185E+02	9.894E-01	-4.522E-01	5.880E-01	-2.158E+02	-3.499E+03	1.535E+00
290	4	20436.07	167.95	47.40	1	4.013E-01	6.765E-01	5.058E-01	3.518E+02	-3.346E+02	2.835E+02	1.063E+00	1.470E-02	9.182E-01	4.537E+02	-4.366E+02	3.452E-01
291	1	20544.74	157.45	47.40	1	2.572E-01	1.165E-01	-6.700E-01	-3.456E+03	-6.733E+02	-7.649E+02	8.604E-01	-4.868E-01	-7.331E-01	-4.770E+02	-3.653E+03	1.822E+00
291	2	20571.91	167.95	47.40	1	3.977E-01	6.849E-01	-5.158E-01	3.390E+02	-3.457E+02	-2.727E+02	1.077E+00	5.858E-03	2.220E+00	4.344E+02	-4.410E+02	-3.363E-01
291	3	20544.74	178.45	47.40	1	5.376E-01	-2.782E-03	-6.702E-01	-3.502E+03	-2.250E+02	-1.030E+02	9.900E-01	-4.552E-01	-5.938E-01	-2.218E+02	-3.506E+03	1.602E+00
291	4	20517.57	167.95	47.40	1	3.971E-01	-5.713E-01	-8.243E-01	-7.298E+03	-8.752E+02	7.021E+01	8.689E-01	-1.043E+00	-5.199E-01	-8.744E+02	-7.299E+03	1.560E+00
292	1	20599.74	157.45	47.40	1	3.400E-01	-2.923E-01	8.254E-01	2.532E+03	2.164E+03	-1.494E+03	9.077E-01	-8.600E-01	6.025E-01	3.853E+03	8.426E+02	-7.240E-01
292	2	20609.24	167.95	47.40	1	7.325E-03	-8.823E-01	4.698E-01	3.728E+02	1.672E+03	-1.078E+03	2.095E-01	-1.084E+00	4.063E-01	2.282E+03	-2.365E+02	2.085E+00
292	3	20599.74	178.45	47.40	1	-7.522E-01	-2.768E-02	3.535E-01	1.604E+03	3.896E+02	-9.777E+02	1.162E-01	-8.961E-01	1.184E+00	2.148E+03	-1.541E+02	-5.075E-01
292	4	20590.24	167.95	47.40	1	-4.196E-01	5.623E-01	7.091E-01	3.265E+03	1.261E+03	-6.908E+02	9.339E-01	-7.911E-01	1.088E+00	3.480E+03	1.046E+03	-3.019E-01
293	1	22961.74	-167.95	49.95	1	3.359E-16	1.897E-15	4.844E-17	1.587E+03	3.043E+02	1.098E+03	1.898E-15	3.344E-16	1.571E+00	2.218E+03	-3.262E+02	5.211E-01
293	2	22971.24	-178.45	49.95	1	-8.447E-16	9.097E-16	1.074E-31	4.482E+02	1.799E+03	1.015E+03	9.097E-16	-8.447E-16	1.571E+00	2.343E+03	-9.608E+01	1.079E+00
293	3	22980.74	-167.95	49.95	1	-7.745E-17	-1.994E-15	-2.347E-31	1.507E+03	3.593E+03	7.621E+02	-7.745E-17	-1.994E-15	0.000E+00	3.842E+03	1.259E+03	1.255E+00
293	4	22971.24	-157.45	49.95	1	-8.002E-16	8.965E-16	-1.039E-31	2.241E+03	2.630E+03	1.351E+03	8.965E-16	-8.002E-16	1.571E+00	3.800E+03	1.071E+03	8.569E-01
294	1	22999.07	-167.95	49.95	1	1.236E-16	8.908E-16	5.977E-17	-1.658E+02	5.826E+02	3.706E+02	8.954E-16	1.190E-16	1.571E+00	7.351E+02	-3.183E+02	1.180E+00
294	2	23026.24	-178.45	49.95	1	-8.202E-16	1.056E-15	1.149E-31	-2.555E+02	-3.499E+03	2.401E+02	1.056E-15	-8.202E-16	1.571E+00	-2.378E+02	-3.517E+03	7.347E-02
294	3	23053.41	-167.95	49.95	1	1.402E-16	-6.938E-16	-1.021E-31	-1.102E+03	-7.515E+03	-1.374E+02	1.402E-16	-6.938E-16	0.000E+00	-1.099E+03	-7.518E+03	-2.141E-02
294	4	23026.24	-157.45	49.95	1	-7.672E-16	9.923E-16	-1.077E-31	-6.836E+02	-3.433E+03	1.030E+03	9.923E-16	-7.672E-16	1.571E+00	-3.403E+02	-3.776E+03	3.216E-01
295	1	23080.57	-167.95	49.95	1	4.362E-17	8.730E-16	-8.384E-17	-1.102E+03	-7.515E+03	-1.374E+02	8.813E-16	3.523E-17	1.571E+00	-1.099E+03	-7.518E+03	-2.141E-02
295	2	23107.74	-178.45	49.95	1	-8.007E-16	1.024E-15	1.117E-31	-2.555E+02	-3.499E+03	-2.401E+02	1.024E-15	-8.007E-16	1.571E+00	-2.378E+02	-3.517E+03	-7.347E-02
295	3	23134.91	-167.95	49.95	1	1.963E-16	-6.665E-16	-1.057E-31	-1.658E+02	5.826E+02	-3.706E+02	1.963E-16	-6.665E-16	0.000E+00	7.351E+02	-3.183E+02	1.961E+00
295	4	23107.74	-157.45	49.95	1	-8.191E-16	1.042E-15	-1.140E-31	-6.836E+02	-3.433E+03	-1.030E+03	1.042E-15	-8.191E-16	1.571E+00	-3.403E+02	-3.776E+03	-3.216E-01
296	1	23153.24	-167.95	49.95	1	2.968E-16	1.869E-15	-9.810E-19	1.507E+03	3.593E+03	-7.621E+02	1.869E-15	2.968E-16	1.571E+00	3.842E+03	1.259E+03	1.886E+00
296	2	23162.74	-178.45	49.95	1	-8.326E-16	8.457E-16	1.028E-31	4.482E+02	1.799E+03	-1.015E+03	8.457E-16	-8.326E-16	1.571E+00	2.343E+03	-9.608E+01	2.063E+00

296	3	23172.24	-167.95	49.95	1	-1.013E-16	-2.006E-15	-2.333E-31	1.587E+03	3.043E+02	-1.098E+03	-1.013E-16	-2.006E-15	0.000E+00	2.218E+03	-3.262E+02	-5.211E-01
296	4	23162.74	-157.45	49.95	1	-8.879E-16	9.333E-16	-1.115E-31	2.241E+03	2.630E+03	-1.351E+03	9.333E-16	-8.879E-16	1.571E+00	3.800E+03	1.071E+03	2.285E+00
297	1	22971.24	-146.95	49.95	1	9.391E-17	1.648E-16	5.842E-16	1.972E+03	5.302E+02	-8.100E+02	7.146E-16	-4.559E-16	1.571E+00	2.336E+03	1.668E+02	-4.217E-01
297	2	22980.74	-136.45	49.95	1	-2.013E-15	-4.038E-17	1.208E-31	3.502E+03	-5.016E+03	-1.027E+03	-4.038E-17	-2.013E-15	1.571E+00	3.624E+03	-5.138E+03	-1.183E-01
297	3	22971.24	-125.95	49.95	1	1.075E-15	-9.292E-16	-2.454E-31	1.690E+03	-1.150E+04	-2.432E+02	1.075E-15	-9.292E-16	0.000E+00	1.695E+03	-1.150E+04	-1.843E-02
297	4	22961.74	-136.45	49.95	1	2.142E-16	2.243E-15	-1.242E-31	5.862E+02	-6.274E+03	-1.529E+03	2.243E-15	2.142E-16	1.571E+00	9.115E+02	-6.599E+03	-2.097E-01
298	1	23026.24	-146.95	49.95	1	2.248E-16	-6.585E-17	5.753E-16	-3.792E+03	-2.690E+03	-1.338E+03	6.728E-16	-5.139E-16	0.000E+00	-1.794E+03	-4.687E+03	2.161E+00
298	2	23053.41	-136.45	49.95	1	-7.789E-16	9.671E-17	5.361E-32	-7.045E+03	-6.750E+03	6.004E+02	9.671E-17	-7.789E-16	1.571E+00	-6.279E+03	-7.516E+03	9.055E-01
298	3	23026.24	-125.95	49.95	1	9.869E-16	-8.051E-16	-2.195E-31	-3.983E+03	-8.676E+03	-1.794E+03	9.869E-16	-8.051E-16	0.000E+00	-3.376E+03	-9.283E+03	-3.263E-01
298	4	22999.07	-136.45	49.95	1	3.388E-17	9.890E-16	-5.848E-32	-7.309E+02	-6.700E+03	-1.883E+03	9.890E-16	3.388E-17	1.571E+00	-1.868E+02	-7.244E+03	-2.814E-01
299	1	23107.74	-146.95	49.95	1	2.224E-16	-1.458E-17	8.727E-16	-3.792E+03	-2.690E+03	1.338E+03	9.847E-16	-7.768E-16	0.000E+00	-1.794E+03	-4.687E+03	9.807E-01
299	2	23134.91	-136.45	49.95	1	-7.349E-16	3.677E-16	6.751E-32	-7.309E+02	-6.700E+03	1.883E+03	3.677E-16	-7.349E-16	1.571E+00	-1.868E+02	-7.244E+03	2.814E-01
299	3	23107.74	-125.95	49.95	1	1.087E-15	-8.297E-16	-2.347E-31	-3.983E+03	-8.676E+03	1.794E+03	1.087E-15	-8.297E-16	0.000E+00	-3.376E+03	-9.283E+03	3.263E-01
299	4	23080.57	-136.45	49.95	1	-9.508E-17	9.270E-16	-6.258E-32	-7.045E+03	-6.750E+03	6.004E+02	9.270E-16	-9.508E-17	1.571E+00	-6.279E+03	-7.516E+03	9.055E-01
300	1	23162.74	-146.95	49.95	1	5.819E-17	1.324E-16	8.225E-16	1.972E+03	5.302E+02	8.100E+02	9.187E-16	-7.280E-16	1.571E+00	2.336E+03	1.668E+02	4.217E-01
300	2	23172.24	-136.45	49.95	1	-1.935E-15	4.774E-17	1.214E-31	5.862E+02	-6.274E+03	1.529E+03	4.774E-17	-1.935E-15	1.571E+00	9.115E+02	-6.599E+03	2.097E-01
300	3	23162.74	-125.95	49.95	1	1.293E-15	-1.044E-15	-2.862E-31	1.690E+03	-1.150E+04	2.432E+02	1.293E-15	-1.044E-15	0.000E+00	1.695E+03	-1.150E+04	1.843E-02
300	4	23153.24	-136.45	49.95	1	1.994E-16	2.128E-15	-1.181E-31	3.502E+03	-5.016E+03	1.027E+03	2.128E-15	1.994E-16	1.571E+00	3.624E+03	-5.138E+03	1.183E-01
301	1	22961.74	-60.35	49.95	1	4.950E-16	9.126E-16	2.268E-17	-3.617E+04	-4.673E+02	-2.566E+03	9.138E-16	4.937E-16	1.571E+00	-2.838E+02	-3.635E+04	1.642E+00
301	2	22971.24	-100.58	49.95	1	-1.208E-16	4.146E-16	3.278E-32	-2.363E+04	-3.420E+03	1.077E+02	4.146E-16	-1.208E-16	1.571E+00	-3.420E+03	-2.364E+04	1.565E+00
301	3	22980.74	-60.35	49.95	1	1.710E-16	-9.208E-16	-1.337E-31	-3.610E+04	-1.242E+03	7.619E+02	1.710E-16	-9.208E-16	0.000E+00	-1.226E+03	-3.611E+04	1.549E+00
301	4	22971.24	-20.12	49.95	1	-1.143E-16	4.783E-16	-3.629E-32	-4.873E+04	7.093E+02	4.611E+02	4.783E-16	-1.143E-16	1.571E+00	7.136E+02	-4.873E+04	1.561E+00
302	1	22999.07	-60.35	49.95	1	2.936E-16	-9.308E-17	1.687E-16	-3.698E+04	-3.479E+03	1.249E+03	3.568E-16	-1.563E-16	0.000E+00	-3.432E+03	-3.703E+04	1.534E+00
302	2	23026.24	-100.58	49.95	1	-1.895E-16	2.912E-16	2.943E-32	-1.828E+04	-1.414E+04	1.871E+03	2.912E-16	-1.895E-16	1.571E+00	-1.342E+04	-1.900E+04	1.203E+00
302	3	23053.41	-60.35	49.95	1	-6.353E-18	-9.379E-16	-1.141E-31	-3.542E+04	-1.863E+04	-1.257E+03	-6.353E-18	-9.379E-16	0.000E+00	-1.854E+04	-3.551E+04	1.645E+00
302	4	23026.24	-20.12	49.95	1	-1.101E-15	2.559E-16	-8.310E-32	-5.181E+04	-1.499E+04	1.665E+03	2.559E-16	-1.101E-15	1.571E+00	-1.492E+04	-5.189E+04	1.526E+00
303	1	23080.57	-60.35	49.95	1	-3.072E-16	2.689E-16	-1.160E-16	-3.542E+04	-1.863E+04	-1.257E+03	2.914E-16	-3.297E-16	1.571E+00	-1.854E+04	-3.551E+04	1.645E+00
303	2	23107.74	-100.58	49.95	1	-3.320E-16	3.586E-16	4.229E-32	-1.828E+04	-1.414E+04	-1.871E+03	3.586E-16	-3.320E-16	1.571E+00	-1.342E+04	-1.900E+04	1.938E+00
303	3	23134.91	-60.35	49.95	1	-4.757E-17	-5.236E-16	-5.829E-32	-3.698E+04	-3.479E+03	-1.249E+03	-4.757E-17	-5.236E-16	0.000E+00	-3.432E+03	-3.703E+04	1.608E+00
303	4	23107.74	-20.12	49.95	1	-1.093E-15	4.570E-16	-9.491E-32	-5.181E+04	-1.499E+04	-1.665E+03	4.570E-16	-1.093E-15	1.571E+00	-1.492E+04	-5.189E+04	1.616E+00
304	1	23153.24	-60.35	49.95	1	1.590E-16	1.054E-15	-4.535E-16	-3.610E+04	-1.242E+03	-7.619E+02	1.244E-15	-3.062E-17	1.571E+00	-1.226E+03	-3.611E+04	1.593E+00
304	2	23162.74	-100.58	49.95	1	4.061E-17	5.602E-16	3.182E-32	-2.363E+04	-3.420E+03	-1.077E+02	5.602E-16	4.061E-17	1.571E+00	-3.420E+03	-2.364E+04	1.576E+00
304	3	23172.24	-60.35	49.95	1	7.581E-16	-1.257E-15	-2.468E-31	-3.617E+04	-4.673E+02	2.566E+03	7.581E-16	-1.257E-15	0.000E+00	-2.838E+02	-3.635E+04	1.499E+00
304	4	23162.74	-20.12	49.95	1	-1.208E-15	1.321E-15	-1.548E-31	-4.873E+04	7.093E+02	4.611E+02	1.321E-15	-1.208E-15	1.571E+00	7.136E+02	-4.873E+04	1.561E+00
305	1	22961.74	60.35	49.95	1	-6.280E-16	-9.733E-16	-1.662E-16	-3.617E+04	-4.673E+02	2.566E+03	-5.610E-16	-1.040E-15	0.000E+00	-2.838E+02	-3.635E+04	1.499E+00
305	2	22971.24	20.12	49.95	1	-7.331E-16	3.103E-17	4.679E-32	-4.873E+04	7.093E+02	4.611E+02	3.103E-17	-7.331E-16	1.571E+00	7.136E+02	-4.873E+04	1.561E+00
305	3	22980.74	60.35	49.95	1	1.094E-15	-6.677E-16	-2.157E-31	-3.610E+04	-1.242E+03	-7.619E+02	1.094E-15	-6.677E-16	0.000E+00	-1.226E+03	-3.611E+04	1.593E+00
305	4	22971.24	100.58	49.95	1	-6.403E-16	1.675E-16	-4.946E-32	-2.363E+04	-3.420E+03	-1.077E+02	1.675E-16	-6.403E-16	1.571E+00	-3.420E+03	-2.364E+04	1.576E+00
306	1	22999.07	60.35	49.95	1	-6.693E-16	9.006E-17	-1.058E-15	-3.698E+04	-3.479E+03	-1.249E+03	8.342E-16	-1.413E-15	1.571E+00	-3.432E+03	-3.703E+04	1.608E+00
306	2	23026.24	20.12	49.95	1	-1.172E-15	9.926E-16	1.325E-31	-5.181E+04	-1.499E+04	1.665E+03	9.926E-16	-1.172E-15	1.571E+00	-1.492E+04	-5.189E+04	1.526E+00
306	3	23053.41	60.35	49.95	1	2.721E-15	-1.146E-15	-4.735E-31	-3.542E+04	-1.863E+04	1.257E+03	2.721E-15	-1.146E-15	0.000E+00	-1.854E+04	-3.551E+04	1.496E+00
306	4	23026.24	100.58	49.95	1	-1.491E-15	2.666E-15	-2.545E-31	-1.828E+04	-1.414E+04	-1.871E+03	2.666E-15	-1.491E-15	1.571E+00	-1.342E+04	-1.900E+04	1.938E+00
307	1	23080.57	60.35	49.95	1	1.598E-15	-2.059E-16	-2.249E-15	-3.542E+04	-1.863E+04	1.257E+03	3.119E-15	-1.728E-15	0.000E+00	-1.854E+04	-3.551E+04	1.496E+00

307	2	23107.74	20.12	49.95	1	-9.443E-16	3.567E-15	2.762E-31	-5.181E+04	-1.499E+04	-1.665E+03	3.567E-15	-9.443E-16	1.571E+00	-1.492E+04	-5.189E+04	1.616E+00
307	3	23134.91	60.35	49.95	1	5.132E-15	-1.598E-15	-8.242E-31	-3.698E+04	-3.479E+03	1.249E+03	5.132E-15	-1.598E-15	0.000E+00	-3.432E+03	-3.703E+04	1.534E+00
307	4	23107.74	100.58	49.95	1	-3.256E-15	5.558E-15	-5.397E-31	-1.828E+04	-1.414E+04	1.871E+03	5.558E-15	-3.256E-15	1.571E+00	-1.342E+04	-1.900E+04	1.203E+00
308	1	23153.24	60.35	49.95	1	3.551E-15	-2.449E-15	1.360E-15	-3.610E+04	-1.242E+03	7.619E+02	3.845E-15	-2.743E-15	0.000E+00	-1.226E+03	-3.611E+04	1.549E+00
308	2	23162.74	20.12	49.95	1	-1.689E-15	3.389E-15	3.110E-31	-4.873E+04	7.093E+02	4.611E+02	3.389E-15	-1.689E-15	1.571E+00	7.136E+02	-4.873E+04	1.561E+00
308	3	23172.24	60.35	49.95	1	3.227E-15	-2.170E-15	-6.609E-31	-3.617E+04	-4.673E+02	-2.566E+03	3.227E-15	-2.170E-15	0.000E+00	-2.838E+02	-3.635E+04	1.642E+00
308	4	23162.74	100.58	49.95	1	-6.142E-15	6.602E-15	-7.803E-31	-2.363E+04	-3.420E+03	1.077E+02	6.602E-15	-6.142E-15	1.571E+00	-3.420E+03	-2.364E+04	1.565E+00
309	1	22971.24	125.95	49.95	1	1.205E-16	-4.472E-16	-1.168E-15	1.690E+03	-1.150E+04	2.432E+02	1.039E-15	-1.366E-15	0.000E+00	1.695E+03	-1.150E+04	1.843E-02
309	2	22980.74	136.45	49.95	1	-8.647E-16	2.354E-15	1.971E-31	3.502E+03	-5.016E+03	1.027E+03	2.354E-15	-8.647E-16	1.571E+00	3.624E+03	-5.138E+03	1.183E-01
309	3	22971.24	146.95	49.95	1	5.578E-16	-8.584E-16	-1.734E-31	1.972E+03	5.302E+02	8.100E+02	5.578E-16	-8.584E-16	0.000E+00	2.336E+03	1.668E+02	4.217E-01
309	4	22961.74	136.45	49.95	1	-2.567E-15	4.505E-16	-1.848E-31	5.862E+02	-6.274E+03	1.529E+03	4.505E-16	-2.567E-15	1.571E+00	9.115E+02	-6.599E+03	2.097E-01
310	1	23026.24	125.95	49.95	1	4.187E-16	-2.344E-15	1.734E-15	-3.983E+03	-8.676E+03	1.794E+03	1.254E-15	-3.180E-15	0.000E+00	-3.376E+03	-9.283E+03	3.263E-01
310	2	23053.41	136.45	49.95	1	-7.494E-15	4.864E-15	7.567E-31	-7.045E+03	-6.750E+03	-6.004E+02	4.864E-15	-7.494E-15	1.571E+00	-6.279E+03	-7.516E+03	2.236E+00
310	3	23026.24	146.95	49.95	1	4.371E-15	-4.832E-15	-1.127E-30	-3.792E+03	-2.690E+03	1.338E+03	4.371E-15	-4.832E-15	0.000E+00	-1.794E+03	-4.687E+03	9.807E-01
310	4	22999.07	136.45	49.95	1	-1.285E-15	1.529E-15	-1.723E-31	-7.309E+02	-6.700E+03	1.883E+03	1.529E-15	-1.285E-15	1.571E+00	-1.868E+02	-7.244E+03	2.814E-01
311	1	23107.74	125.95	49.95	1	1.425E-16	6.777E-15	4.017E-15	-3.983E+03	-8.676E+03	-1.794E+03	8.669E-15	-1.750E-15	1.571E+00	-3.376E+03	-9.283E+03	-3.263E-01
311	2	23134.91	136.45	49.95	1	-2.152E-15	2.190E-14	1.473E-30	-7.309E+02	-6.700E+03	-1.883E+03	2.190E-14	-2.152E-15	1.571E+00	-1.868E+02	-7.244E+03	-2.814E-01
311	3	23107.74	146.95	49.95	1	1.070E-14	-6.432E-15	-2.098E-30	-3.792E+03	-2.690E+03	-1.338E+03	1.070E-14	-6.432E-15	0.000E+00	-1.794E+03	-4.687E+03	2.161E+00
311	4	23080.57	136.45	49.95	1	-1.217E-14	3.605E-15	-9.659E-31	-7.045E+03	-6.750E+03	-6.004E+02	3.605E-15	-1.217E-14	1.571E+00	-6.279E+03	-7.516E+03	2.236E+00
312	1	23162.74	125.95	49.95	1	3.755E-15	3.473E-14	-7.235E-15	1.690E+03	-1.150E+04	-2.432E+02	3.634E-14	2.149E-15	1.571E+00	1.695E+03	-1.150E+04	-1.843E-02
312	2	23172.24	136.45	49.95	1	-8.193E-16	4.960E-14	3.087E-30	5.862E+02	-6.274E+03	-1.529E+03	4.960E-14	-8.193E-16	1.571E+00	9.115E+02	-6.599E+03	-2.097E-01
312	3	23162.74	146.95	49.95	1	3.814E-14	-8.798E-16	-4.778E-30	1.972E+03	5.302E+02	-8.100E+02	3.814E-14	-8.798E-16	0.000E+00	2.336E+03	1.668E+02	-4.217E-01
312	4	23153.24	136.45	49.95	1	3.696E-15	2.328E-14	-1.199E-30	3.502E+03	-5.016E+03	-1.027E+03	2.328E-14	3.696E-15	1.571E+00	3.624E+03	-5.138E+03	-1.183E-01
313	1	22971.24	157.45	49.95	1	-5.895E-17	-1.882E-15	-7.682E-16	2.630E+03	2.241E+03	1.351E+03	2.216E-16	-2.163E-15	0.000E+00	3.800E+03	1.071E+03	7.139E-01
313	2	22980.74	167.95	49.95	1	-3.055E-15	2.117E-15	3.167E-31	3.593E+03	1.507E+03	7.621E+02	2.117E-15	-3.055E-15	1.571E+00	3.842E+03	1.259E+03	3.155E-01
313	3	22971.24	178.45	49.95	1	-4.543E-17	-2.258E-15	-2.709E-31	1.799E+03	4.482E+02	1.015E+03	-4.543E-17	-2.258E-15	0.000E+00	2.343E+03	-9.608E+01	4.920E-01
313	4	22961.74	167.95	49.95	1	-3.112E-15	-1.940E-16	-1.787E-31	3.043E+02	1.587E+03	1.098E+03	-1.940E-16	-3.112E-15	1.571E+00	2.218E+03	-3.262E+02	1.050E+00
314	1	23026.24	157.45	49.95	1	3.215E-15	-1.781E-15	-2.287E-15	-3.433E+03	-6.836E+02	1.030E+03	4.103E-15	-2.669E-15	0.000E+00	-3.403E+02	-3.776E+03	1.249E+00
314	2	23053.41	167.95	49.95	1	-3.370E-15	6.473E-15	6.027E-31	-7.515E+03	-1.102E+03	-1.374E+02	6.473E-15	-3.370E-15	1.571E+00	-1.099E+03	-7.518E+03	1.592E+00
314	3	23026.24	178.45	49.95	1	9.189E-16	-2.831E-15	-4.593E-31	-3.499E+03	-2.555E+02	2.401E+02	9.189E-16	-2.831E-15	0.000E+00	-2.378E+02	-3.517E+03	1.497E+00
314	4	22999.07	167.95	49.95	1	-4.003E-15	4.216E-16	-2.709E-31	5.826E+02	-1.658E+02	3.706E+02	4.216E-16	-4.003E-15	1.571E+00	7.351E+02	-3.183E+02	3.903E-01
315	1	23107.74	157.45	49.95	1	-3.552E-15	1.488E-14	1.238E-14	-3.433E+03	-6.836E+02	-1.030E+03	2.110E-14	-9.770E-15	1.571E+00	-3.403E+02	-3.776E+03	1.892E+00
315	2	23134.91	167.95	49.95	1	-1.146E-14	3.693E-14	2.963E-30	5.826E+02	-1.658E+02	-3.706E+02	3.693E-14	-1.146E-14	1.571E+00	7.351E+02	-3.183E+02	-3.903E-01
315	3	23107.74	178.45	49.95	1	2.538E-14	-3.397E-15	-3.524E-30	-3.499E+03	-2.555E+02	-2.401E+02	2.538E-14	-3.397E-15	0.000E+00	-2.378E+02	-3.517E+03	1.644E+00
315	4	23080.57	167.95	49.95	1	6.385E-16	7.193E-15	-4.013E-31	-7.515E+03	-1.102E+03	-1.374E+02	7.193E-15	6.385E-16	1.571E+00	-1.099E+03	-7.518E+03	1.592E+00
316	1	23162.74	157.45	49.95	1	-2.146E-15	6.598E-15	1.641E-14	2.630E+03	2.241E+03	-1.351E+03	1.921E-14	-1.475E-14	1.571E+00	3.800E+03	1.071E+03	-7.139E-01
316	2	23172.24	167.95	49.95	1	-1.820E-14	1.183E-14	1.838E-30	3.043E+02	1.587E+03	-1.098E+03	1.183E-14	-1.820E-14	1.571E+00	2.218E+03	-3.262E+02	2.092E+00
316	3	23162.74	178.45	49.95	1	1.716E-14	-2.922E-14	-5.680E-30	1.799E+03	4.482E+02	-1.015E+03	1.716E-14	-2.922E-14	0.000E+00	2.343E+03	-9.608E+01	-4.920E-01
316	4	23153.24	167.95	49.95	1	-2.561E-14	2.436E-14	-3.060E-30	3.593E+03	1.507E+03	-7.621E+02	2.436E-14	-2.561E-14	1.571E+00	3.842E+03	1.259E+03	-3.155E-01
317	1	25524.74	-167.95	52.50	1	-8.626E-01	9.201E-03	-4.583E-01	1.672E+03	3.708E+02	1.082E+03	2.058E-01	-1.059E+00	1.976E+00	2.284E+03	-2.413E+02	5.148E-01
317	2	25534.24	-178.45	52.50	1	-2.426E-02	-7.352E-01	-3.441E-01	3.920E+02	1.618E+03	9.816E+02	1.150E-01	-8.744E-01	-3.846E-01	2.162E+03	-1.522E+02	1.065E+00
317	3	25543.74	-167.95	52.50	1	5.549E-01	-4.097E-01	-6.928E-01	1.275E+03	3.284E+03	6.994E+02	9.167E-01	-7.715E-01	-4.813E-01	3.503E+03	1.055E+03	1.267E+00
317	4	25534.24	-157.45	52.50	1	-2.834E-01	3.347E-01	-8.070E-01	2.173E+03	2.538E+03	1.491E+03	8.898E-01	-8.385E-01	2.173E+00	3.857E+03	8.530E+02	8.463E-01



318	1	25562.07	-167.95	52.50	1	6.765E-01	4.013E-01	5.058E-01	-3.346E+02	3.518E+02	2.835E+02	1.063E+00	1.470E-02	6.526E-01	4.537E+02	-4.366E+02	1.226E+00
318	2	25589.24	-178.45	52.50	1	-8.702E-03	5.459E-01	6.653E-01	-2.201E+02	-3.495E+03	1.185E+02	9.894E-01	-4.522E-01	9.828E-01	-2.158E+02	-3.499E+03	3.611E-02
318	3	25616.40	-167.95	52.50	1	-5.707E-01	4.007E-01	8.246E-01	-8.731E+02	-7.299E+03	8.684E+01	8.720E-01	-1.042E+00	1.052E+00	-8.719E+02	-7.300E+03	1.351E-02
318	4	25589.24	-157.45	52.50	1	1.145E-01	2.561E-01	6.651E-01	-6.672E+02	-3.452E+03	7.835E+02	8.541E-01	-4.836E-01	8.384E-01	-4.619E+02	-3.657E+03	2.563E-01
319	1	25643.57	-167.95	52.50	1	-5.713E-01	3.971E-01	-8.243E-01	-8.752E+02	-7.298E+03	7.021E+01	8.689E-01	-1.043E+00	2.091E+00	-8.744E+02	-7.299E+03	1.093E-02
319	2	25670.74	-178.45	52.50	1	-2.782E-03	5.376E-01	-6.702E-01	-2.250E+02	-3.502E+03	-1.030E+02	9.900E-01	-4.552E-01	2.165E+00	-2.218E+02	-3.506E+03	-3.137E-02
319	3	25697.90	-167.95	52.50	1	6.849E-01	3.977E-01	-5.158E-01	-3.457E+02	3.390E+02	-2.727E+02	1.077E+00	5.858E-03	-6.496E-01	4.344E+02	-4.410E+02	1.907E+00
319	4	25670.74	-157.45	52.50	1	1.165E-01	2.572E-01	-6.700E-01	-6.733E+02	-3.456E+03	-7.649E+02	8.604E-01	-4.868E-01	2.304E+00	-4.770E+02	-3.653E+03	-2.513E-01
320	1	25716.24	-167.95	52.50	1	5.623E-01	-4.196E-01	7.091E-01	1.261E+03	3.265E+03	-6.908E+02	9.339E-01	-7.911E-01	4.826E-01	3.480E+03	1.046E+03	1.873E+00
320	2	25725.74	-178.45	52.50	1	-2.768E-02	-7.522E-01	3.535E-01	3.896E+02	1.604E+03	-9.777E+02	1.162E-01	-8.961E-01	3.866E-01	2.148E+03	-1.541E+02	2.078E+00
320	3	25735.24	-167.95	52.50	1	-8.823E-01	7.325E-03	4.698E-01	1.672E+03	3.728E+02	-1.078E+03	2.095E-01	-1.084E+00	1.164E+00	2.282E+03	-2.365E+02	-5.143E-01
320	4	25725.74	-157.45	52.50	1	-2.923E-01	3.400E-01	8.254E-01	2.164E+03	2.532E+03	-1.494E+03	9.077E-01	-8.600E-01	9.683E-01	3.853E+03	8.426E+02	2.295E+00
321	1	25534.24	-146.95	52.50	1	2.192E-02	-2.369E+00	7.252E-01	2.059E+03	1.469E+03	-9.456E+02	2.247E-01	-2.571E+00	2.727E-01	2.754E+03	7.734E+02	-6.344E-01
321	2	25543.74	-136.45	52.50	1	2.597E-01	-3.263E+00	4.248E-01	3.700E+03	-3.862E+03	-9.655E+02	3.102E-01	-3.313E+00	1.183E-01	3.821E+03	-3.983E+03	-1.250E-01
321	3	25534.24	-125.95	52.50	1	-3.504E-02	-2.355E+00	1.367E-01	1.829E+03	-1.055E+04	-2.007E+02	-2.701E-02	-2.363E+00	5.868E-02	1.832E+03	-1.055E+04	-1.621E-02
321	4	25524.74	-136.45	52.50	1	-2.728E-01	-1.461E+00	4.372E-01	4.716E+02	-5.435E+03	-1.495E+03	-1.292E-01	-1.604E+00	3.173E-01	8.284E+02	-5.792E+03	-2.343E-01
322	1	25589.24	-146.95	52.50	1	-2.842E-03	-1.612E+00	-6.196E-01	-3.709E+03	-2.014E+03	-1.121E+03	2.081E-01	-1.823E+00	-3.282E-01	-1.456E+03	-4.266E+03	2.033E+00
322	2	25616.40	-136.45	52.50	1	-2.894E-02	1.058E-01	-6.495E-01	-7.050E+03	-6.363E+03	-5.754E+02	6.914E-01	-6.145E-01	2.305E+00	-6.036E+03	-7.377E+03	2.087E+00
322	3	25589.24	-125.95	52.50	1	-5.663E-02	-1.589E+00	-6.202E-01	-3.920E+03	-8.032E+03	-1.769E+03	1.629E-01	-1.808E+00	-3.403E-01	-3.263E+03	-8.688E+03	-3.552E-01
322	4	25562.07	-136.45	52.50	1	-3.053E-02	-3.306E+00	-5.903E-01	-5.792E+02	-5.545E+03	-1.831E+03	7.260E-02	-3.409E+00	-1.730E-01	2.292E+01	-6.147E+03	-3.177E-01
323	1	25670.74	-146.95	52.50	1	-7.542E-03	-1.648E+00	6.248E-01	-3.709E+03	-1.994E+03	1.105E+03	2.033E-01	-1.859E+00	3.255E-01	-1.453E+03	-4.250E+03	1.115E+00
323	2	25697.90	-136.45	52.50	1	-3.350E-02	-3.380E+00	5.974E-01	-5.746E+02	-5.501E+03	1.824E+03	6.995E-02	-3.484E+00	1.715E-01	2.729E+01	-6.103E+03	3.187E-01
323	3	25670.74	-125.95	52.50	1	-5.784E-02	-1.627E+00	6.254E-01	-3.917E+03	-8.013E+03	1.763E+03	1.610E-01	-1.846E+00	3.365E-01	-3.263E+03	-8.668E+03	3.554E-01
323	4	25643.57	-136.45	52.50	1	-3.188E-02	1.054E-01	6.528E-01	-7.052E+03	-6.361E+03	-5.636E+02	6.931E-01	-6.196E-01	8.378E-01	-6.046E+03	-7.368E+03	2.081E+00
324	1	25725.74	-146.95	52.50	1	1.989E-02	-2.426E+00	-7.452E-01	2.061E+03	1.507E+03	9.483E+02	2.291E-01	-2.635E+00	-2.736E-01	2.772E+03	7.963E+02	6.433E-01
324	2	25735.24	-136.45	52.50	1	-2.786E-01	-1.503E+00	-4.520E-01	4.674E+02	-5.403E+03	1.490E+03	-1.298E-01	-1.652E+00	-3.180E-01	8.238E+02	-5.759E+03	2.348E-01
324	3	25725.74	-125.95	52.50	1	-3.557E-02	-2.413E+00	-1.466E-01	1.836E+03	-1.051E+04	1.964E+02	-2.656E-02	-2.422E+00	-6.137E-02	1.839E+03	-1.052E+04	1.590E-02
324	4	25716.24	-136.45	52.50	1	2.630E-01	-3.336E+00	-4.398E-01	3.708E+03	-3.817E+03	9.579E+02	3.159E-01	-3.389E+00	-1.199E-01	3.828E+03	-3.937E+03	1.247E-01
325	1	25524.74	-60.35	52.50	1	-1.438E+00	4.579E-02	-3.483E-03	-3.539E+04	-4.480E+02	-2.587E+03	4.580E-02	-1.438E+00	1.573E+00	-2.574E+02	-3.558E+04	1.644E+00
325	2	25534.24	-100.58	52.50	1	-1.410E+00	1.066E-01	3.575E-02	-2.283E+04	-3.391E+03	8.004E+01	1.075E-01	-1.411E+00	1.547E+00	-3.391E+03	-2.283E+04	1.567E+00
325	3	25543.74	-60.35	52.50	1	-1.395E+00	2.660E-02	-6.282E-03	-3.533E+04	-1.244E+03	7.532E+02	2.663E-02	-1.395E+00	1.575E+00	-1.227E+03	-3.535E+04	1.549E+00
325	4	25534.24	-20.12	52.50	1	-1.422E+00	-3.422E-02	-4.552E-02	-4.798E+04	7.164E+02	-4.646E+02	-3.273E-02	-1.424E+00	1.604E+00	7.209E+02	-4.799E+04	1.580E+00
326	1	25562.07	-60.35	52.50	1	-1.395E+00	2.781E-02	1.510E-01	-3.621E+04	-3.466E+03	1.242E+03	4.367E-02	-1.411E+00	1.466E+00	-3.419E+03	-3.626E+04	1.533E+00
326	2	25589.24	-100.58	52.50	1	-1.147E+00	9.664E-03	2.962E-01	-1.752E+04	-1.414E+04	1.876E+03	8.114E-02	-1.218E+00	1.334E+00	-1.331E+04	-1.836E+04	1.152E+00
326	3	25616.40	-60.35	52.50	1	-8.757E-01	-1.578E-01	1.666E-01	-3.467E+04	-1.874E+04	1.243E+03	-1.210E-01	-9.125E-01	1.354E+00	-1.865E+04	-3.476E+04	1.493E+00
326	4	25589.24	-20.12	52.50	1	-1.124E+00	-1.396E-01	2.140E-02	-5.107E+04	-1.501E+04	-1.654E+03	-1.392E-01	-1.124E+00	1.549E+00	-1.494E+04	-5.115E+04	1.617E+00
327	1	25643.57	-60.35	52.50	1	-8.764E-01	-1.628E-01	-1.679E-01	-3.467E+04	-1.875E+04	1.247E+03	-1.253E-01	-9.139E-01	1.791E+00	-1.865E+04	-3.477E+04	1.493E+00
327	2	25670.74	-100.58	52.50	1	-1.165E+00	1.146E-02	-3.066E-01	-1.751E+04	-1.414E+04	-1.866E+03	8.655E-02	-1.240E+00	1.811E+00	-1.331E+04	-1.834E+04	1.989E+00
327	3	25697.90	-60.35	52.50	1	-1.430E+00	3.511E-02	-1.522E-01	-3.620E+04	-3.460E+03	-1.245E+03	5.075E-02	-1.446E+00	1.673E+00	-3.413E+03	-3.624E+04	1.609E+00
327	4	25670.74	-20.12	52.50	1	-1.142E+00	-1.391E-01	-1.347E-02	-5.107E+04	-1.501E+04	1.655E+03	-1.389E-01	-1.142E+00	1.584E+00	-1.494E+04	-5.115E+04	1.525E+00
328	1	25716.24	-60.35	52.50	1	-1.431E+00	2.617E-02	9.695E-03	-3.532E+04	-1.244E+03	-7.494E+02	2.623E-02	-1.431E+00	1.564E+00	-1.228E+03	-3.533E+04	1.593E+00
328	2	25725.74	-100.58	52.50	1	-1.450E+00	1.088E-01	-3.951E-02	-2.281E+04	-3.391E+03	-7.970E+01	1.098E-01	-1.451E+00	1.596E+00	-3.391E+03	-2.281E+04	1.575E+00
328	3	25735.24	-60.35	52.50	1	-1.482E+00	4.874E-02	6.860E-03	-3.538E+04	-4.448E+02	2.593E+03	4.877E-02	-1.482E+00	1.566E+00	-2.534E+02	-3.557E+04	1.497E+00

328	4	25725.74	-20.12	52.50	1	-1.462E+00	-3.388E-02	5.607E-02	-4.798E+04	7.195E+02	4.661E+02	-3.168E-02	-1.465E+00	1.532E+00	7.239E+02	-4.798E+04	1.561E+00
329	1	25524.74	60.35	52.50	1	-1.438E+00	4.579E-02	3.483E-03	-3.539E+04	-4.480E+02	2.587E+03	4.580E-02	-1.438E+00	1.568E+00	-2.574E+02	-3.558E+04	1.497E+00
329	2	25534.24	20.12	52.50	1	-1.422E+00	-3.422E-02	4.552E-02	-4.798E+04	7.164E+02	-4.646E+02	-3.273E-02	-1.424E+00	1.538E+00	7.209E+02	-4.799E+04	1.580E+00
329	3	25543.74	60.35	52.50	1	-1.395E+00	2.660E-02	6.282E-03	-3.533E+04	-1.244E+03	-7.532E+02	2.663E-02	-1.395E+00	1.566E+00	-1.227E+03	-3.535E+04	1.593E+00
329	4	25534.24	100.58	52.50	1	-1.410E+00	1.066E-01	-3.575E-02	-2.283E+04	-3.391E+03	-8.004E+01	1.075E-01	-1.411E+00	1.594E+00	-3.391E+03	-2.283E+04	1.575E+00
330	1	25562.07	60.35	52.50	1	-1.395E+00	2.781E-02	-1.510E-01	-3.621E+04	-3.466E+03	-1.242E+03	4.367E-02	-1.411E+00	1.675E+00	-3.419E+03	-3.626E+04	1.609E+00
330	2	25589.24	20.12	52.50	1	-1.124E+00	-1.396E-01	-2.140E-02	-5.107E+04	-1.501E+04	-1.654E+03	-1.392E-01	-1.124E+00	1.593E+00	-1.494E+04	-5.115E+04	1.617E+00
330	3	25616.40	60.35	52.50	1	-8.757E-01	-1.578E-01	-1.666E-01	-3.467E+04	-1.874E+04	-1.243E+03	-1.210E-01	-9.125E-01	1.788E+00	-1.865E+04	-3.476E+04	1.648E+00
330	4	25589.24	100.58	52.50	1	-1.147E+00	9.664E-03	-2.962E-01	-1.752E+04	-1.414E+04	-1.876E+03	8.114E-02	-1.218E+00	1.808E+00	-1.331E+04	-1.836E+04	1.990E+00
331	1	25643.57	60.35	52.50	1	-8.764E-01	-1.628E-01	1.679E-01	-3.467E+04	-1.875E+04	-1.247E+03	-1.253E-01	-9.139E-01	1.351E+00	-1.865E+04	-3.477E+04	1.648E+00
331	2	25670.74	20.12	52.50	1	-1.142E+00	-1.391E-01	1.347E-02	-5.107E+04	-1.501E+04	1.655E+03	-1.389E-01	-1.142E+00	1.557E+00	-1.494E+04	-5.115E+04	1.525E+00
331	3	25697.90	60.35	52.50	1	-1.430E+00	3.511E-02	1.522E-01	-3.620E+04	-3.460E+03	1.245E+03	5.075E-02	-1.446E+00	1.468E+00	-3.413E+03	-3.624E+04	1.533E+00
331	4	25670.74	100.58	52.50	1	-1.165E+00	1.146E-02	3.066E-01	-1.751E+04	-1.414E+04	1.866E+03	8.655E-02	-1.240E+00	1.331E+00	-1.331E+04	-1.834E+04	1.153E+00
332	1	25716.24	60.35	52.50	1	-1.431E+00	2.617E-02	-9.695E-03	-3.532E+04	-1.244E+03	7.494E+02	2.623E-02	-1.431E+00	1.577E+00	-1.228E+03	-3.533E+04	1.549E+00
332	2	25725.74	20.12	52.50	1	-1.462E+00	-3.388E-02	-5.607E-02	-4.798E+04	7.195E+02	4.661E+02	-3.168E-02	-1.465E+00	1.610E+00	7.239E+02	-4.798E+04	1.561E+00
332	3	25735.24	60.35	52.50	1	-1.482E+00	4.874E-02	-6.860E-03	-3.538E+04	-4.448E+02	-2.593E+03	4.877E-02	-1.482E+00	1.575E+00	-2.534E+02	-3.557E+04	1.644E+00
332	4	25725.74	100.58	52.50	1	-1.450E+00	1.088E-01	3.951E-02	-2.281E+04	-3.391E+03	7.970E+01	1.098E-01	-1.451E+00	1.545E+00	-3.391E+03	-2.281E+04	1.567E+00
333	1	25534.24	125.95	52.50	1	-3.504E-02	-2.355E+00	-1.367E-01	1.829E+03	-1.055E+04	2.007E+02	-2.701E-02	-2.363E+00	-5.868E-02	1.832E+03	-1.055E+04	1.621E-02
333	2	25543.74	136.45	52.50	1	2.597E-01	-3.263E+00	-4.248E-01	3.700E+03	-3.862E+03	9.655E+02	3.102E-01	-3.313E+00	-1.183E-01	3.821E+03	-3.983E+03	1.250E-01
333	3	25534.24	146.95	52.50	1	2.192E-02	-2.369E+00	-7.252E-01	2.059E+03	1.469E+03	9.456E+02	2.247E-01	-2.571E+00	-2.727E-01	2.754E+03	7.734E+02	6.344E-01
333	4	25524.74	136.45	52.50	1	-2.728E-01	-1.461E+00	-4.372E-01	4.716E+02	-5.435E+03	1.495E+03	-1.292E-01	-1.604E+00	-3.173E-01	8.284E+02	-5.792E+03	2.343E-01
334	1	25589.24	125.95	52.50	1	-5.663E-02	-1.589E+00	6.202E-01	-3.920E+03	-8.032E+03	1.769E+03	1.629E-01	-1.808E+00	3.403E-01	-3.263E+03	-8.688E+03	3.552E-01
334	2	25616.40	136.45	52.50	1	-2.894E-02	1.058E-01	6.495E-01	-7.050E+03	-6.363E+03	5.754E+02	6.914E-01	-6.145E-01	8.371E-01	-6.036E+03	-7.377E+03	1.055E+00
334	3	25589.24	146.95	52.50	1	-2.842E-03	-1.612E+00	6.196E-01	-3.709E+03	-2.014E+03	1.121E+03	2.081E-01	-1.823E+00	3.282E-01	-1.456E+03	-4.266E+03	1.109E+00
334	4	25562.07	136.45	52.50	1	-3.053E-02	-3.306E+00	5.903E-01	-5.792E+02	-5.545E+03	1.831E+03	7.260E-02	-3.409E+00	1.730E-01	2.292E+01	-6.147E+03	3.177E-01
335	1	25670.74	125.95	52.50	1	-5.784E-02	-1.627E+00	-6.254E-01	-3.917E+03	-8.013E+03	-1.763E+03	1.610E-01	-1.846E+00	-3.365E-01	-3.263E+03	-8.668E+03	-3.554E-01
335	2	25697.90	136.45	52.50	1	-3.350E-02	-3.380E+00	-5.974E-01	-5.746E+02	-5.501E+03	-1.824E+03	6.995E-02	-3.484E+00	-1.715E-01	2.729E+01	-6.103E+03	-3.187E-01
335	3	25670.74	146.95	52.50	1	-7.542E-03	-1.648E+00	-6.248E-01	-3.709E+03	-1.994E+03	-1.105E+03	2.033E-01	-1.859E+00	-3.255E-01	-1.453E+03	-4.250E+03	2.026E+00
335	4	25643.57	136.45	52.50	1	-3.188E-02	1.054E-01	-6.528E-01	-7.052E+03	-6.361E+03	5.636E+02	6.931E-01	-6.196E-01	2.304E+00	-6.046E+03	-7.368E+03	1.060E+00
336	1	25725.74	125.95	52.50	1	-3.557E-02	-2.413E+00	1.466E-01	1.836E+03	-1.051E+04	-1.964E+02	-2.656E-02	-2.422E+00	6.137E-02	1.839E+03	-1.052E+04	-1.590E-02
336	2	25735.24	136.45	52.50	1	-2.786E-01	-1.503E+00	4.520E-01	4.674E+02	-5.403E+03	-1.490E+03	-1.298E-01	-1.652E+00	3.180E-01	8.238E+02	-5.759E+03	-2.348E-01
336	3	25725.74	146.95	52.50	1	1.989E-02	-2.426E+00	7.452E-01	2.061E+03	1.507E+03	-9.483E+02	2.291E-01	-2.635E+00	2.736E-01	2.772E+03	7.963E+02	-6.433E-01
336	4	25716.24	136.45	52.50	1	2.630E-01	-3.336E+00	4.398E-01	3.708E+03	-3.817E+03	-9.579E+02	3.159E-01	-3.389E+00	1.199E-01	3.828E+03	-3.937E+03	-1.247E-01
337	1	25534.24	157.45	52.50	1	3.347E-01	-2.834E-01	-8.070E-01	2.538E+03	2.173E+03	1.491E+03	8.898E-01	-8.385E-01	-6.025E-01	3.857E+03	8.530E+02	7.245E-01
337	2	25543.74	167.95	52.50	1	-4.097E-01	5.549E-01	-6.928E-01	3.284E+03	1.275E+03	6.994E+02	9.167E-01	-7.715E-01	2.052E+00	3.503E+03	1.055E+03	3.041E-01
337	3	25534.24	178.45	52.50	1	-7.352E-01	-2.426E-02	-3.441E-01	1.618E+03	3.920E+02	9.816E+02	1.150E-01	-8.744E-01	1.955E+00	2.162E+03	-1.522E+02	5.062E-01
337	4	25524.74	167.95	52.50	1	9.201E-03	-8.626E-01	-4.583E-01	3.708E+02	1.672E+03	1.082E+03	2.058E-01	-1.059E+00	-4.052E-01	2.284E+03	-2.413E+02	1.056E+00
338	1	25589.24	157.45	52.50	1	2.561E-01	1.145E-01	6.651E-01	-3.452E+03	-6.672E+02	7.835E+02	8.541E-01	-4.836E-01	7.324E-01	-4.619E+02	-3.657E+03	1.315E+00
338	2	25616.40	167.95	52.50	1	4.007E-01	-5.707E-01	8.246E-01	-7.299E+03	-8.731E+02	8.684E+01	8.720E-01	-1.042E+00	5.192E-01	-8.719E+02	-7.300E+03	1.557E+00
338	3	25589.24	178.45	52.50	1	5.459E-01	-8.702E-03	6.653E-01	-3.495E+03	-2.201E+02	1.185E+02	9.894E-01	-4.522E-01	5.880E-01	-2.158E+02	-3.499E+03	1.535E+00
338	4	25562.07	167.95	52.50	1	4.013E-01	6.765E-01	5.058E-01	3.518E+02	-3.346E+02	2.835E+02	1.063E+00	1.470E-02	9.182E-01	4.537E+02	-4.366E+02	3.452E-01
339	1	25670.74	157.45	52.50	1	2.572E-01	1.165E-01	-6.700E-01	-3.456E+03	-6.733E+02	-7.649E+02	8.604E-01	-4.868E-01	-7.331E-01	-4.770E+02	-3.653E+03	1.822E+00
339	2	25697.90	167.95	52.50	1	3.977E-01	6.849E-01	-5.158E-01	3.390E+02	-3.457E+02	-2.727E+02	1.077E+00	5.858E-03	2.220E+00	4.344E+02	-4.410E+02	-3.363E-01

339	3	25670.74	178.45	52.50	1	5.376E-01	-2.782E-03	-6.702E-01	-3.502E+03	-2.250E+02	-1.030E+02	9.900E-01	-4.552E-01	-5.938E-01	-2.218E+02	-3.506E+03	1.602E+00
339	4	25643.57	167.95	52.50	1	3.971E-01	-5.713E-01	-8.243E-01	-7.298E+03	-8.752E+02	7.021E+01	8.689E-01	-1.043E+00	-5.199E-01	-8.744E+02	-7.299E+03	1.560E+00
340	1	25725.74	157.45	52.50	1	3.400E-01	-2.923E-01	8.254E-01	2.532E+03	2.164E+03	-1.494E+03	9.077E-01	-8.600E-01	6.025E-01	3.853E+03	8.426E+02	-7.240E-01
340	2	25735.24	167.95	52.50	1	7.325E-03	-8.823E-01	4.698E-01	3.728E+02	1.672E+03	-1.078E+03	2.095E-01	-1.084E+00	4.063E-01	2.282E+03	-2.365E+02	2.085E+00
340	3	25725.74	178.45	52.50	1	-7.522E-01	-2.768E-02	3.535E-01	1.604E+03	3.896E+02	-9.777E+02	1.162E-01	-8.961E-01	1.184E+00	2.148E+03	-1.541E+02	-5.075E-01
340	4	25716.24	167.95	52.50	1	-4.196E-01	5.623E-01	7.091E-01	3.265E+03	1.261E+03	-6.908E+02	9.339E-01	-7.911E-01	1.088E+00	3.480E+03	1.046E+03	-3.019E-01
341	1	28087.74	-167.95	55.05	1	-8.352E-17	-6.013E-16	-3.390E-17	1.587E+03	3.043E+02	1.098E+03	-8.131E-17	-6.035E-16	0.000E+00	2.218E+03	-3.262E+02	5.211E-01
341	2	28097.24	-178.45	55.05	1	-2.178E-16	2.612E-16	2.933E-32	4.482E+02	1.799E+03	1.015E+03	2.612E-16	-2.178E-16	1.571E+00	2.343E+03	-9.608E+01	1.079E+00
341	3	28106.74	-167.95	55.05	1	4.977E-16	3.254E-17	-5.696E-32	1.507E+03	3.593E+03	7.621E+02	4.977E-16	3.254E-17	0.000E+00	3.842E+03	1.259E+03	1.255E+00
341	4	28097.24	-157.45	55.05	1	-4.264E-16	2.284E-16	-4.010E-32	2.241E+03	2.630E+03	1.351E+03	2.284E-16	-4.264E-16	1.571E+00	3.800E+03	1.071E+03	8.569E-01
342	1	28125.07	-167.95	55.05	1	-3.477E-18	-3.974E-16	-1.478E-16	-1.658E+02	5.826E+02	3.706E+02	4.581E-17	-4.467E-16	0.000E+00	7.351E+02	-3.183E+02	1.180E+00
342	2	28152.24	-178.45	55.05	1	-3.394E-16	2.113E-16	3.372E-32	-2.555E+02	-3.499E+03	2.401E+02	2.113E-16	-3.394E-16	1.571E+00	-2.378E+02	-3.517E+03	7.347E-02
342	3	28179.40	-167.95	55.05	1	2.606E-16	-3.189E-16	-7.096E-32	-1.102E+03	-7.515E+03	-1.374E+02	2.606E-16	-3.189E-16	0.000E+00	-1.099E+03	-7.518E+03	-2.141E-02
342	4	28152.24	-157.45	55.05	1	-5.435E-16	2.125E-16	-4.629E-32	-6.836E+02	-3.433E+03	1.030E+03	2.125E-16	-5.435E-16	1.571E+00	-3.403E+02	-3.776E+03	3.216E-01
343	1	28206.57	-167.95	55.05	1	-1.568E-17	-8.349E-18	-2.904E-17	-1.102E+03	-7.515E+03	-1.374E+02	1.725E-17	-4.128E-17	1.571E+00	-1.099E+03	-7.518E+03	-2.141E-02
343	2	28233.74	-178.45	55.05	1	-2.080E-16	3.768E-16	3.581E-32	-2.555E+02	-3.499E+03	-2.401E+02	3.768E-16	-2.080E-16	1.571E+00	-2.378E+02	-3.517E+03	-7.347E-02
343	3	28260.90	-167.95	55.05	1	3.600E-16	-4.876E-18	-4.468E-32	-1.658E+02	5.826E+02	-3.706E+02	3.600E-16	-4.876E-18	0.000E+00	7.351E+02	-3.183E+02	1.961E+00
343	4	28233.74	-157.45	55.05	1	-1.906E-16	3.528E-16	-3.327E-32	-6.836E+02	-3.433E+03	-1.030E+03	3.528E-16	-1.906E-16	1.571E+00	-3.403E+02	-3.776E+03	-3.216E-01
344	1	28279.24	-167.95	55.05	1	-1.062E-16	-3.848E-16	-5.020E-17	1.507E+03	3.593E+03	-7.621E+02	-9.743E-17	-3.936E-16	0.000E+00	3.842E+03	1.259E+03	1.886E+00
344	2	28288.74	-178.45	55.05	1	-1.881E-16	2.697E-16	2.803E-32	4.482E+02	1.799E+03	-1.015E+03	2.697E-16	-1.881E-16	1.571E+00	2.343E+03	-9.608E+01	2.063E+00
344	3	28298.24	-167.95	55.05	1	6.770E-16	1.012E-16	-7.051E-32	1.587E+03	3.043E+02	-1.098E+03	6.770E-16	1.012E-16	0.000E+00	2.218E+03	-3.262E+02	-5.211E-01
344	4	28288.74	-157.45	55.05	1	-2.204E-16	4.260E-16	-3.958E-32	2.241E+03	2.630E+03	-1.351E+03	4.260E-16	-2.204E-16	1.571E+00	3.800E+03	1.071E+03	2.285E+00
345	1	28097.24	-146.95	55.05	1	-2.750E-16	-8.564E-17	6.912E-17	1.972E+03	5.302E+02	-8.100E+02	-6.310E-17	-2.976E-16	1.571E+00	2.336E+03	1.668E+02	-4.217E-01
345	2	28106.74	-136.45	55.05	1	-2.716E-16	9.977E-16	7.772E-32	3.502E+03	-5.016E+03	-1.027E+03	9.977E-16	-2.716E-16	1.571E+00	3.624E+03	-5.138E+03	-1.183E-01
345	3	28097.24	-125.95	55.05	1	7.668E-16	-8.580E-16	-1.990E-31	1.690E+03	-1.150E+04	-2.432E+02	7.668E-16	-8.580E-16	0.000E+00	1.695E+03	-1.150E+04	-1.843E-02
345	4	28087.74	-136.45	55.05	1	-1.174E-15	-3.711E-18	-7.167E-32	5.862E+02	-6.274E+03	-1.529E+03	-3.711E-18	-1.174E-15	1.571E+00	9.115E+02	-6.599E+03	-2.097E-01
346	1	28152.24	-146.95	55.05	1	-4.228E-16	-1.277E-16	-3.387E-16	-3.792E+03	-2.690E+03	-1.338E+03	9.420E-17	-6.447E-16	1.571E+00	-1.794E+03	-4.687E+03	2.161E+00
346	2	28179.40	-136.45	55.05	1	-1.198E-15	3.684E-16	9.590E-32	-7.045E+03	-6.750E+03	6.004E+02	3.684E-16	-1.198E-15	1.571E+00	-6.279E+03	-7.516E+03	9.055E-01
346	3	28152.24	-125.95	55.05	1	3.659E-16	-1.462E-15	-2.238E-31	-3.983E+03	-8.676E+03	-1.794E+03	3.659E-16	-1.462E-15	0.000E+00	-3.376E+03	-9.283E+03	-3.263E-01
346	4	28125.07	-136.45	55.05	1	-1.186E-15	3.692E-16	-9.524E-32	-7.309E+02	-6.700E+03	-1.883E+03	3.692E-16	-1.186E-15	1.571E+00	-1.868E+02	-7.244E+03	-2.814E-01
347	1	28233.74	-146.95	55.05	1	1.656E-16	-3.601E-18	-3.341E-16	-3.792E+03	-2.690E+03	1.338E+03	4.256E-16	-2.636E-16	0.000E+00	-1.794E+03	-4.687E+03	9.807E-01
347	2	28260.90	-136.45	55.05	1	-2.849E-16	6.291E-16	5.596E-32	-7.309E+02	-6.700E+03	1.883E+03	6.291E-16	-2.849E-16	1.571E+00	-1.868E+02	-7.244E+03	2.814E-01
347	3	28233.74	-125.95	55.05	1	7.117E-16	-2.878E-16	-1.224E-31	-3.983E+03	-8.676E+03	1.794E+03	7.117E-16	-2.878E-16	0.000E+00	-3.376E+03	-9.283E+03	3.263E-01
347	4	28206.57	-136.45	55.05	1	-3.186E-16	5.604E-16	-5.382E-32	-7.045E+03	-6.750E+03	6.004E+02	5.604E-16	-3.186E-16	1.571E+00	-6.279E+03	-7.516E+03	9.055E-01
348	1	28288.74	-146.95	55.05	1	2.113E-16	1.398E-16	-2.742E-18	1.972E+03	5.302E+02	8.100E+02	2.114E-16	1.397E-16	0.000E+00	2.336E+03	1.668E+02	4.217E-01
348	2	28298.24	-136.45	55.05	1	-3.224E-17	1.128E-15	7.104E-32	5.862E+02	-6.274E+03	1.529E+03	1.128E-15	-3.224E-17	1.571E+00	9.115E+02	-6.599E+03	2.097E-01
348	3	28288.74	-125.95	55.05	1	7.923E-16	-8.456E-16	-2.006E-31	1.690E+03	-1.150E+04	2.432E+02	7.923E-16	-8.456E-16	0.000E+00	1.695E+03	-1.150E+04	1.843E-02
348	4	28279.24	-136.45	55.05	1	-9.396E-16	1.418E-16	-6.621E-32	3.502E+03	-5.016E+03	1.027E+03	1.418E-16	-9.396E-16	1.571E+00	3.624E+03	-5.138E+03	1.183E-01
349	1	28087.74	-60.35	55.05	1	-1.423E-15	-1.194E-16	-3.229E-16	-3.617E+04	-4.673E+02	-2.566E+03	-4.387E-17	-1.499E-15	1.571E+00	-2.838E+02	-3.635E+04	1.642E+00
349	2	28097.24	-100.58	55.05	1	-1.236E-15	-6.381E-17	7.175E-32	-2.363E+04	-3.420E+03	1.077E+02	-6.381E-17	-1.236E-15	1.571E+00	-3.420E+03	-2.364E+04	1.565E+00
349	3	28106.74	-60.35	55.05	1	3.280E-16	-1.089E-15	-1.735E-31	-3.610E+04	-1.242E+03	7.619E+02	3.280E-16	-1.089E-15	0.000E+00	-1.226E+03	-3.611E+04	1.549E+00
349	4	28097.24	-20.12	55.05	1	-1.483E-15	4.794E-16	-1.202E-31	-4.873E+04	7.093E+02	4.611E+02	4.794E-16	-1.483E-15	1.571E+00	7.136E+02	-4.873E+04	1.561E+00
350	1	28125.07	-60.35	55.05	1	-9.155E-16	7.938E-16	-9.666E-16	-3.698E+04	-3.479E+03	1.249E+03	1.229E-15	-1.351E-15	1.571E+00	-3.432E+03	-3.703E+04	1.534E+00

350	2	28152.24	-100.58	55.05	1	-1.334E-15	9.158E-16	1.378E-31	-1.828E+04	-1.414E+04	1.871E+03	9.158E-16	-1.334E-15	1.571E+00	-1.342E+04	-1.900E+04	1.203E+00
350	3	28179.40	-60.35	55.05	1	2.743E-15	-7.102E-16	-4.229E-31	-3.542E+04	-1.863E+04	1.257E+03	2.743E-15	-7.102E-16	0.000E+00	-1.854E+04	-3.551E+04	1.496E+00
350	4	28152.24	-20.12	55.05	1	-9.573E-16	3.287E-15	-2.599E-31	-5.181E+04	-1.499E+04	1.665E+03	3.287E-15	-9.573E-16	1.571E+00	-1.492E+04	-5.189E+04	1.526E+00
351	1	28206.57	-60.35	55.05	1	1.618E-15	-3.609E-15	8.364E-16	-3.542E+04	-1.863E+04	1.257E+03	1.749E-15	-3.740E-15	0.000E+00	-1.854E+04	-3.551E+04	1.496E+00
351	2	28233.74	-100.58	55.05	1	-6.213E-16	7.462E-16	8.373E-32	-1.828E+04	-1.414E+04	-1.871E+03	7.462E-16	-6.213E-16	1.571E+00	-1.342E+04	-1.900E+04	1.938E+00
351	3	28260.90	-60.35	55.05	1	-2.307E-16	-3.533E-15	-4.045E-31	-3.698E+04	-3.479E+03	-1.249E+03	-2.307E-16	-3.533E-15	0.000E+00	-3.432E+03	-3.703E+04	1.608E+00
351	4	28233.74	-20.12	55.05	1	-7.043E-15	1.163E-15	-5.024E-31	-5.181E+04	-1.499E+04	-1.665E+03	1.163E-15	-7.043E-15	1.571E+00	-1.492E+04	-5.189E+04	1.616E+00
352	1	28279.24	-60.35	55.05	1	-1.052E-15	2.329E-16	1.001E-16	-3.610E+04	-1.242E+03	-7.619E+02	2.406E-16	-1.059E-15	1.571E+00	-1.226E+03	-3.611E+04	1.593E+00
352	2	28288.74	-100.58	55.05	1	-1.355E-15	-2.019E-17	8.174E-32	-2.363E+04	-3.420E+03	-1.077E+02	-2.019E-17	-1.355E-15	1.571E+00	-3.420E+03	-2.364E+04	1.576E+00
352	3	28298.24	-60.35	55.05	1	7.552E-16	-7.546E-16	-1.849E-31	-3.617E+04	-4.673E+02	2.566E+03	7.552E-16	-7.546E-16	0.000E+00	-2.838E+02	-3.635E+04	1.499E+00
352	4	28288.74	-20.12	55.05	1	-1.187E-15	1.744E-15	-1.794E-31	-4.873E+04	7.093E+02	4.611E+02	1.744E-15	-1.187E-15	1.571E+00	7.136E+02	-4.873E+04	1.561E+00
353	1	28087.74	60.35	55.05	1	-7.604E-16	1.706E-16	5.327E-16	-3.617E+04	-4.673E+02	2.566E+03	4.125E-16	-1.002E-15	1.571E+00	-2.838E+02	-3.635E+04	1.499E+00
353	2	28097.24	20.12	55.05	1	-1.030E-15	6.343E-16	1.019E-31	-4.873E+04	7.093E+02	4.611E+02	6.343E-16	-1.030E-15	1.571E+00	7.136E+02	-4.873E+04	1.561E+00
353	3	28106.74	60.35	55.05	1	6.012E-17	-1.137E-15	-1.466E-31	-3.610E+04	-1.242E+03	-7.619E+02	6.012E-17	-1.137E-15	0.000E+00	-1.226E+03	-3.611E+04	1.593E+00
353	4	28097.24	100.58	55.05	1	-1.031E-15	-2.400E-16	-4.843E-32	-2.363E+04	-3.420E+03	-1.077E+02	-2.400E-16	-1.031E-15	1.571E+00	-3.420E+03	-2.364E+04	1.576E+00
354	1	28125.07	60.35	55.05	1	-6.536E-16	-4.592E-16	1.148E-15	-3.698E+04	-3.479E+03	-1.249E+03	5.959E-16	-1.709E-15	1.571E+00	-3.432E+03	-3.703E+04	1.608E+00
354	2	28152.24	20.12	55.05	1	-2.621E-15	1.627E-15	2.601E-31	-5.181E+04	-1.499E+04	1.665E+03	1.627E-15	-2.621E-15	1.571E+00	-1.492E+04	-5.189E+04	1.526E+00
354	3	28179.40	60.35	55.05	1	1.127E-15	-4.539E-15	-6.939E-31	-3.542E+04	-1.863E+04	-1.257E+03	1.127E-15	-4.539E-15	0.000E+00	-1.854E+04	-3.551E+04	1.645E+00
354	4	28152.24	100.58	55.05	1	-4.108E-15	5.777E-16	-2.869E-31	-1.828E+04	-1.414E+04	-1.871E+03	5.777E-16	-4.108E-15	1.571E+00	-1.342E+04	-1.900E+04	1.938E+00
355	1	28206.57	60.35	55.05	1	-4.572E-15	-3.709E-15	4.082E-15	-3.542E+04	-1.863E+04	-1.257E+03	-3.591E-17	-8.245E-15	1.571E+00	-1.854E+04	-3.551E+04	1.645E+00
355	2	28233.74	20.12	55.05	1	-9.610E-15	-2.154E-15	4.565E-31	-5.181E+04	-1.499E+04	-1.665E+03	-2.154E-15	-9.610E-15	1.571E+00	-1.492E+04	-5.189E+04	1.616E+00
355	3	28260.90	60.35	55.05	1	-8.671E-16	-8.206E-15	-8.987E-31	-3.698E+04	-3.479E+03	1.249E+03	-8.671E-16	-8.206E-15	0.000E+00	-3.432E+03	-3.703E+04	1.534E+00
355	4	28233.74	100.58	55.05	1	-8.391E-15	2.802E-15	-6.854E-31	-1.828E+04	-1.414E+04	1.871E+03	2.802E-15	-8.391E-15	1.571E+00	-1.342E+04	-1.900E+04	1.203E+00
356	1	28279.24	60.35	55.05	1	-5.412E-15	-2.913E-15	3.526E-15	-3.610E+04	-1.242E+03	7.619E+02	-4.215E-16	-7.903E-15	1.571E+00	-1.226E+03	-3.611E+04	1.549E+00
356	2	28288.74	20.12	55.05	1	-7.640E-15	3.964E-16	4.921E-31	-4.873E+04	7.093E+02	4.611E+02	3.964E-16	-7.640E-15	1.571E+00	7.136E+02	-4.873E+04	1.561E+00
356	3	28298.24	60.35	55.05	1	1.714E-16	-1.158E-14	-1.439E-30	-3.617E+04	-4.673E+02	-2.566E+03	1.714E-16	-1.158E-14	0.000E+00	-2.838E+02	-3.635E+04	1.642E+00
356	4	28288.74	100.58	55.05	1	-1.527E-14	2.780E-15	-1.105E-30	-2.363E+04	-3.420E+03	1.077E+02	2.780E-15	-1.527E-14	1.571E+00	-3.420E+03	-2.364E+04	1.565E+00
357	1	28097.24	125.95	55.05	1	-8.825E-17	2.222E-15	1.190E-15	1.690E+03	-1.150E+04	2.432E+02	2.725E-15	-5.915E-16	1.571E+00	1.695E+03	-1.150E+04	1.843E-02
357	2	28106.74	136.45	55.05	1	-8.642E-16	2.671E-15	2.165E-31	3.502E+03	-5.016E+03	1.027E+03	2.671E-15	-8.642E-16	1.571E+00	3.624E+03	-5.138E+03	1.183E-01
357	3	28097.24	146.95	55.05	1	2.564E-15	-4.754E-17	-3.198E-31	1.972E+03	5.302E+02	8.100E+02	2.564E-15	-4.754E-17	0.000E+00	2.336E+03	1.668E+02	4.217E-01
357	4	28087.74	136.45	55.05	1	6.348E-17	2.779E-15	-1.663E-31	5.862E+02	-6.274E+03	1.529E+03	2.779E-15	6.348E-17	1.571E+00	9.115E+02	-6.599E+03	2.097E-01
358	1	28152.24	125.95	55.05	1	-1.148E-15	6.671E-17	-1.029E-15	-3.983E+03	-8.676E+03	1.794E+03	6.541E-16	-1.735E-15	1.571E+00	-3.376E+03	-9.283E+03	3.263E-01
358	2	28179.40	136.45	55.05	1	-3.992E-15	6.982E-16	2.872E-31	-7.045E+03	-6.750E+03	6.004E+02	6.982E-16	-3.992E-15	1.571E+00	-6.279E+03	-7.516E+03	9.055E-01
358	3	28152.24	146.95	55.05	1	1.293E-15	-2.780E-15	-4.988E-31	-3.792E+03	-2.690E+03	1.338E+03	1.293E-15	-2.780E-15	0.000E+00	-1.794E+03	-4.687E+03	9.807E-01
358	4	28125.07	136.45	55.05	1	-1.571E-15	2.298E-15	-2.369E-31	-7.309E+02	-6.700E+03	1.883E+03	2.298E-15	-1.571E-15	1.571E+00	-1.868E+02	-7.244E+03	2.814E-01
359	1	28233.74	125.95	55.05	1	-3.176E-16	-7.825E-15	-5.219E-15	-3.983E+03	-8.676E+03	-1.794E+03	2.357E-15	-1.050E-14	0.000E+00	-3.376E+03	-9.283E+03	-3.263E-01
359	2	28260.90	136.45	55.05	1	-1.892E-14	4.153E-15	1.413E-30	-7.309E+02	-6.700E+03	-1.883E+03	4.153E-15	-1.892E-14	1.571E+00	-1.868E+02	-7.244E+03	-2.814E-01
359	3	28233.74	146.95	55.05	1	3.211E-15	-1.213E-14	-1.879E-30	-3.792E+03	-2.690E+03	-1.338E+03	3.211E-15	-1.213E-14	0.000E+00	-1.794E+03	-4.687E+03	2.161E+00
359	4	28206.57	136.45	55.05	1	-6.381E-15	4.086E-15	-6.409E-31	-7.045E+03	-6.750E+03	6.004E+02	4.086E-15	-6.381E-15	1.571E+00	-6.279E+03	-7.516E+03	9.055E-01
360	1	28288.74	125.95	55.05	1	-1.974E-15	9.391E-15	-3.710E-15	1.690E+03	-1.150E+04	-2.432E+02	1.049E-14	-3.078E-15	1.571E+00	1.695E+03	-1.150E+04	-1.843E-02
360	2	28298.24	136.45	55.05	1	-4.479E-15	3.007E-14	2.115E-30	5.862E+02	-6.274E+03	-1.529E+03	3.007E-14	-4.479E-15	1.571E+00	9.115E+02	-6.599E+03	-2.097E-01
360	3	28288.74	146.95	55.05	1	2.062E-14	-3.429E-15	-2.945E-30	1.972E+03	5.302E+02	-8.100E+02	2.062E-14	-3.429E-15	0.000E+00	2.336E+03	1.668E+02	-4.217E-01
360	4	28279.24	136.45	55.05	1	-1.270E-14	1.171E-14	-1.494E-30	3.502E+03	-5.016E+03	-1.027E+03	1.171E-14	-1.270E-14	1.571E+00	3.624E+03	-5.138E+03	-1.183E-01

361	1	28097.24	157.45	55.05	1	2.605E-16	1.054E-15	9.733E-16	2.630E+03	2.241E+03	1.351E+03	1.708E-15	-3.937E-16	1.571E+00	3.800E+03	1.071E+03	7.139E-01
361	2	28106.74	167.95	55.05	1	-9.202E-16	9.163E-16	1.125E-31	3.593E+03	1.507E+03	7.621E+02	9.163E-16	-9.202E-16	1.571E+00	3.842E+03	1.259E+03	3.155E-01
361	3	28097.24	178.45	55.05	1	1.520E-15	-2.044E-16	-2.112E-31	1.799E+03	4.482E+02	1.015E+03	1.520E-15	-2.044E-16	0.000E+00	2.343E+03	-9.608E+01	4.920E-01
361	4	28087.74	167.95	55.05	1	1.798E-16	2.455E-15	-1.393E-31	3.043E+02	1.587E+03	1.098E+03	2.455E-15	1.798E-16	1.571E+00	2.218E+03	-3.262E+02	1.050E+00
362	1	28152.24	157.45	55.05	1	-1.219E-15	4.594E-15	1.620E-15	-3.433E+03	-6.836E+02	1.030E+03	5.015E-15	-1.640E-15	1.571E+00	-3.403E+02	-3.776E+03	1.249E+00
362	2	28179.40	167.95	55.05	1	-1.107E-15	9.119E-15	6.261E-31	-7.515E+03	-1.102E+03	1.374E+02	9.119E-15	-1.107E-15	1.571E+00	-1.099E+03	-7.518E+03	1.549E+00
362	3	28152.24	178.45	55.05	1	4.248E-15	1.154E-15	-3.788E-31	-3.499E+03	-2.555E+02	2.401E+02	4.248E-15	1.154E-15	0.000E+00	-2.378E+02	-3.517E+03	1.497E+00
362	4	28125.07	167.95	55.05	1	-6.041E-16	1.370E-15	-1.208E-31	5.826E+02	-1.658E+02	3.706E+02	1.370E-15	-6.041E-16	1.571E+00	7.351E+02	-3.183E+02	3.903E-01
363	1	28233.74	157.45	55.05	1	-3.240E-15	-1.770E-14	-9.131E-15	-3.433E+03	-6.836E+02	-1.030E+03	1.176E-15	-2.212E-14	0.000E+00	-3.403E+02	-3.776E+03	1.892E+00
363	2	28260.90	167.95	55.05	1	-4.763E-14	1.662E-15	3.018E-30	5.826E+02	-1.658E+02	-3.706E+02	1.662E-15	-4.763E-14	1.571E+00	7.351E+02	-3.183E+02	-3.903E-01
363	3	28233.74	178.45	55.05	1	7.446E-16	-2.626E-14	-3.307E-30	-3.499E+03	-2.555E+02	-2.401E+02	7.446E-16	-2.626E-14	0.000E+00	-2.378E+02	-3.517E+03	1.644E+00
363	4	28206.57	167.95	55.05	1	-9.466E-15	8.973E-15	-1.129E-30	-7.515E+03	-1.102E+03	1.374E+02	8.973E-15	-9.466E-15	1.571E+00	-1.099E+03	-7.518E+03	1.549E+00
364	1	28288.74	157.45	55.05	1	7.671E-15	-1.540E-14	1.305E-14	2.630E+03	2.241E+03	-1.351E+03	1.355E-14	-2.129E-14	0.000E+00	3.800E+03	1.071E+03	-7.139E-01
364	2	28298.24	167.95	55.05	1	-1.748E-14	2.704E-14	2.726E-30	3.043E+02	1.587E+03	-1.098E+03	2.704E-14	-1.748E-14	1.571E+00	2.218E+03	-3.262E+02	2.092E+00
364	3	28288.74	178.45	55.05	1	3.445E-14	-3.053E-14	-7.958E-30	1.799E+03	4.482E+02	-1.015E+03	3.445E-14	-3.053E-14	0.000E+00	2.343E+03	-9.608E+01	-4.920E-01
364	4	28279.24	167.95	55.05	1	-3.994E-14	2.657E-14	-4.072E-30	3.593E+03	1.507E+03	-7.621E+02	2.657E-14	-3.994E-14	1.571E+00	3.842E+03	1.259E+03	-3.155E-01
365	1	30650.74	-167.95	57.60	1	-8.626E-01	9.201E-03	-4.583E-01	1.672E+03	3.708E+02	1.082E+03	2.058E-01	-1.059E+00	1.976E+00	2.284E+03	-2.413E+02	5.148E-01
365	2	30660.24	-178.45	57.60	1	-2.426E-02	-7.352E-01	-3.441E-01	3.920E+02	1.618E+03	9.816E+02	1.150E-01	-8.744E-01	-3.846E-01	2.162E+03	-1.522E+02	1.065E+00
365	3	30669.74	-167.95	57.60	1	5.549E-01	-4.097E-01	-6.928E-01	1.275E+03	3.284E+03	6.994E+02	9.167E-01	-7.715E-01	-4.813E-01	3.503E+03	1.055E+03	1.267E+00
365	4	30660.24	-157.45	57.60	1	-2.834E-01	3.347E-01	-8.070E-01	2.173E+03	2.538E+03	1.491E+03	8.898E-01	-8.385E-01	2.173E+00	3.857E+03	8.530E+02	8.463E-01
366	1	30688.07	-167.95	57.60	1	6.765E-01	4.013E-01	5.058E-01	-3.346E+02	3.518E+02	2.835E+02	1.063E+00	1.470E-02	6.526E+01	4.537E+02	-4.366E+02	1.226E+00
366	2	30715.24	-178.45	57.60	1	-8.702E-03	5.459E-01	6.653E-01	-2.201E+02	-3.495E+03	1.185E+02	9.894E-01	-4.522E-01	9.828E-01	-2.158E+02	-3.499E+03	3.611E-02
366	3	30742.40	-167.95	57.60	1	-5.707E-01	4.007E-01	8.246E-01	-8.731E+02	-7.299E+03	8.684E+01	8.720E-01	-1.042E+00	1.052E+00	-8.719E+02	-7.300E+03	1.351E-02
366	4	30715.24	-157.45	57.60	1	1.145E-01	2.561E-01	6.651E-01	-6.672E+02	-3.452E+03	7.835E+02	8.541E-01	-4.836E-01	8.384E-01	-4.619E+02	-3.657E+03	2.563E-01
367	1	30769.57	-167.95	57.60	1	-5.713E-01	3.971E-01	-8.243E-01	-8.752E+02	-7.298E+03	7.021E+01	8.689E-01	-1.043E+00	2.091E+00	-8.744E+02	-7.299E+03	1.093E-02
367	2	30796.74	-178.45	57.60	1	-2.782E-03	5.376E-01	-6.702E-01	-2.250E+02	-3.502E+03	-1.030E+02	9.900E-01	-4.552E-01	2.165E+00	-2.218E+02	-3.506E+03	-3.137E-02
367	3	30823.90	-167.95	57.60	1	6.849E-01	3.977E-01	-5.158E-01	-3.457E+02	3.390E+02	-2.727E+02	1.077E+00	5.858E-03	-6.496E-01	4.344E+02	-4.410E+02	1.907E+00
367	4	30796.74	-157.45	57.60	1	1.165E-01	2.572E-01	-6.700E-01	-6.733E+02	-3.456E+03	-7.649E+02	8.604E-01	-4.868E-01	2.304E+00	-4.770E+02	-3.653E+03	-2.513E-01
368	1	30842.24	-167.95	57.60	1	5.623E-01	-4.196E-01	7.091E-01	1.261E+03	3.265E+03	-6.908E+02	9.339E-01	-7.911E-01	4.826E-01	3.480E+03	1.046E+03	1.873E+00
368	2	30851.74	-178.45	57.60	1	-2.768E-02	-7.522E-01	3.535E-01	3.896E+02	1.604E+03	-9.777E+02	1.162E-01	-8.961E-01	3.866E-01	2.148E+03	-1.541E+02	2.078E+00
368	3	30861.24	-167.95	57.60	1	-8.823E-01	7.325E-03	4.698E-01	1.672E+03	3.728E+02	-1.078E+03	2.095E-01	-1.084E+00	1.164E+00	2.282E+03	-2.365E+02	-5.143E-01
368	4	30851.74	-157.45	57.60	1	-2.923E-01	3.400E-01	8.254E-01	2.164E+03	2.532E+03	-1.494E+03	9.077E-01	-8.600E-01	9.683E-01	3.853E+03	8.426E+02	2.295E+00
369	1	30660.24	-146.95	57.60	1	2.192E-02	-2.369E+00	7.252E-01	2.059E+03	1.469E+03	-9.456E+02	2.247E-01	-2.571E+00	2.727E-01	2.754E+03	7.734E+02	-6.344E-01
369	2	30669.74	-136.45	57.60	1	2.597E-01	-3.263E+00	4.248E-01	3.700E+03	-3.862E+03	-9.655E+02	3.102E-01	-3.313E+00	1.183E-01	3.821E+03	-3.983E+03	-1.250E-01
369	3	30660.24	-125.95	57.60	1	-3.504E-02	-2.355E+00	1.367E-01	1.829E+03	-1.055E+04	-2.007E+02	-2.701E-02	-2.363E+00	5.868E-02	1.832E+03	-1.055E+04	-1.621E-02
369	4	30650.74	-136.45	57.60	1	-2.728E-01	-1.461E+00	4.372E-01	4.716E+02	-5.435E+03	-1.495E+03	-1.292E-01	-1.604E+00	3.173E-01	8.284E+02	-5.792E+03	-2.343E-01
370	1	30715.24	-146.95	57.60	1	-2.842E-03	-1.612E+00	-6.196E-01	-3.709E+03	-2.014E+03	-1.121E+03	2.081E-01	-1.823E+00	-3.282E-01	-1.456E+03	-4.266E+03	2.033E+00
370	2	30742.40	-136.45	57.60	1	-2.894E-02	1.058E-01	-6.495E-01	-7.050E+03	-6.363E+03	-5.754E+02	6.914E-01	-6.145E-01	2.305E+00	-6.036E+03	-7.377E+03	2.087E+00
370	3	30715.24	-125.95	57.60	1	-5.663E-02	-1.589E+00	-6.202E-01	-3.920E+03	-8.032E+03	-1.769E+03	1.629E-01	-1.808E+00	-3.403E-01	-3.263E+03	-8.688E+03	-3.552E-01
370	4	30688.07	-136.45	57.60	1	-3.053E-02	-3.306E+00	-5.903E-01	-5.792E+02	-5.545E+03	-1.831E+03	7.260E-02	-3.409E+00	-1.730E-01	2.292E+01	-6.147E+03	-3.177E-01
371	1	30796.74	-146.95	57.60	1	-7.542E-03	-1.648E+00	6.248E-01	-3.709E+03	-1.994E+03	1.105E+03	2.033E-01	-1.859E+00	3.255E-01	-1.453E+03	-4.250E+03	1.115E+00
371	2	30823.90	-136.45	57.60	1	-3.350E-02	-3.380E+00	5.974E-01	-5.746E+02	-5.501E+03	1.824E+03	6.995E-02	-3.484E+00	1.715E-01	2.729E+01	-6.103E+03	3.187E-01
371	3	30796.74	-125.95	57.60	1	-5.784E-02	-1.627E+00	6.254E-01	-3.917E+03	-8.013E+03	1.763E+03	1.610E-01	-1.846E+00	3.365E-01	-3.263E+03	-8.668E+03	3.554E-01

371	4	30769.57	-136.45	57.60	1	-3.188E-02	1.054E-01	6.528E-01	-7.052E+03	-6.361E+03	-5.636E+02	6.931E-01	-6.196E-01	8.378E-01	-6.046E+03	-7.368E+03	2.081E+00
372	1	30851.74	-146.95	57.60	1	1.989E-02	-2.426E+00	-7.452E-01	2.061E+03	1.507E+03	9.483E+02	2.291E-01	-2.635E+00	-2.736E-01	2.772E+03	7.963E+02	6.433E-01
372	2	30861.24	-136.45	57.60	1	-2.786E-01	-1.503E+00	-4.520E-01	4.674E+02	-5.403E+03	1.490E+03	-1.298E-01	-1.652E+00	-3.180E-01	8.238E+02	-5.759E+03	2.348E-01
372	3	30851.74	-125.95	57.60	1	-3.557E-02	-2.413E+00	-1.466E-01	1.836E+03	-1.051E+04	1.964E+02	-2.656E-02	-2.422E+00	-6.137E-02	1.839E+03	-1.052E+04	1.590E-02
372	4	30842.24	-136.45	57.60	1	2.630E-01	-3.336E+00	-4.398E-01	3.708E+03	-3.817E+03	9.579E+02	3.159E-01	-3.389E+00	-1.199E-01	3.828E+03	-3.937E+03	1.247E-01
373	1	30650.74	-60.35	57.60	1	-1.438E+00	4.579E-02	-3.483E-03	-3.539E+04	-4.480E+02	-2.587E+03	4.580E-02	-1.438E+00	1.573E+00	-2.574E+02	-3.558E+04	1.644E+00
373	2	30660.24	-100.58	57.60	1	-1.410E+00	1.066E-01	3.575E-02	-2.283E+04	-3.391E+03	8.004E+01	1.075E-01	-1.411E+00	1.547E+00	-3.391E+03	-2.283E+04	1.567E+00
373	3	30669.74	-60.35	57.60	1	-1.395E+00	2.660E-02	-6.282E-03	-3.533E+04	-1.244E+03	7.532E+02	2.663E-02	-1.395E+00	1.575E+00	-1.227E+03	-3.535E+04	1.549E+00
373	4	30660.24	-20.12	57.60	1	-1.422E+00	-3.422E-02	-4.552E-02	-4.798E+04	7.164E+02	4.646E+02	-3.273E-02	-1.424E+00	1.604E+00	7.209E+02	-4.799E+04	1.561E+00
374	1	30688.07	-60.35	57.60	1	-1.395E+00	2.781E-02	1.510E-01	-3.621E+04	-3.466E+03	1.242E+03	4.367E-02	-1.411E+00	1.466E+00	-3.419E+03	-3.626E+04	1.533E+00
374	2	30715.24	-100.58	57.60	1	-1.147E+00	9.664E-03	2.962E-01	-1.752E+04	-1.414E+04	1.876E+03	8.114E-02	-1.218E+00	1.334E+00	-1.331E+04	-1.836E+04	1.152E+00
374	3	30742.40	-60.35	57.60	1	-8.757E-01	-1.578E-01	1.666E-01	-3.467E+04	-1.874E+04	1.243E+03	-1.210E-01	-9.125E-01	1.354E+00	-1.865E+04	-3.476E+04	1.493E+00
374	4	30715.24	-20.12	57.60	1	-1.124E+00	-1.396E-01	2.140E-02	-5.107E+04	-1.501E+04	1.654E+03	-1.392E-01	-1.124E+00	1.549E+00	-1.494E+04	-5.115E+04	1.525E+00
375	1	30769.57	-60.35	57.60	1	-8.764E-01	-1.628E-01	-1.679E-01	-3.467E+04	-1.875E+04	1.247E+03	-1.253E-01	-9.139E-01	1.791E+00	-1.865E+04	-3.477E+04	1.493E+00
375	2	30796.74	-100.58	57.60	1	-1.165E+00	1.146E-02	-3.066E-01	-1.751E+04	-1.414E+04	-1.866E+03	8.655E-02	-1.240E+00	1.811E+00	-1.331E+04	-1.834E+04	1.989E+00
375	3	30823.90	-60.35	57.60	1	-1.430E+00	3.511E-02	-1.522E-01	-3.620E+04	-3.460E+03	-1.245E+03	5.075E-02	-1.446E+00	1.673E+00	-3.413E+03	-3.624E+04	1.609E+00
375	4	30796.74	-20.12	57.60	1	-1.142E+00	-1.391E-01	-1.347E-02	-5.107E+04	-1.501E+04	-1.655E+03	-1.389E-01	-1.142E+00	1.584E+00	-1.494E+04	-5.115E+04	1.617E+00
376	1	30842.24	-60.35	57.60	1	-1.431E+00	2.617E-02	9.695E-03	-3.532E+04	-1.244E+03	-7.494E+02	2.623E-02	-1.431E+00	1.564E+00	-1.228E+03	-3.533E+04	1.593E+00
376	2	30851.74	-100.58	57.60	1	-1.450E+00	1.088E-01	-3.951E-02	-2.281E+04	-3.391E+03	-7.970E+01	1.098E-01	-1.451E+00	1.596E+00	-3.391E+03	-2.281E+04	1.575E+00
376	3	30861.24	-60.35	57.60	1	-1.482E+00	4.874E-02	6.860E-03	-3.538E+04	-4.448E+02	2.593E+03	4.877E-02	-1.482E+00	1.566E+00	-2.534E+02	-3.557E+04	1.497E+00
376	4	30851.74	-20.12	57.60	1	-1.462E+00	-3.388E-02	5.607E-02	-4.798E+04	7.195E+02	4.661E+02	-3.168E-02	-1.465E+00	1.532E+00	7.239E+02	-4.798E+04	1.561E+00
377	1	30650.74	60.35	57.60	1	-1.438E+00	4.579E-02	3.483E-03	-3.539E+04	-4.480E+02	2.587E+03	4.580E-02	-1.438E+00	1.568E+00	-2.574E+02	-3.558E+04	1.497E+00
377	2	30660.24	20.12	57.60	1	-1.422E+00	-3.422E-02	4.552E-02	-4.798E+04	7.164E+02	4.646E+02	-3.273E-02	-1.424E+00	1.538E+00	7.209E+02	-4.799E+04	1.561E+00
377	3	30669.74	60.35	57.60	1	-1.395E+00	2.660E-02	6.282E-03	-3.533E+04	-1.244E+03	-7.532E+02	2.663E-02	-1.395E+00	1.566E+00	-1.227E+03	-3.535E+04	1.593E+00
377	4	30660.24	100.58	57.60	1	-1.410E+00	1.066E-01	-3.575E-02	-2.283E+04	-3.391E+03	-8.004E+01	1.075E-01	-1.411E+00	1.594E+00	-3.391E+03	-2.283E+04	1.575E+00
378	1	30688.07	60.35	57.60	1	-1.395E+00	2.781E-02	-1.510E-01	-3.621E+04	-3.466E+03	-1.242E+03	4.367E-02	-1.411E+00	1.675E+00	-3.419E+03	-3.626E+04	1.609E+00
378	2	30715.24	20.12	57.60	1	-1.124E+00	-1.396E-01	-2.140E-02	-5.107E+04	-1.501E+04	1.654E+03	-1.392E-01	-1.124E+00	1.593E+00	-1.494E+04	-5.115E+04	1.525E+00
378	3	30742.40	60.35	57.60	1	-8.757E-01	-1.578E-01	-1.666E-01	-3.467E+04	-1.874E+04	-1.243E+03	-1.210E-01	-9.125E-01	1.788E+00	-1.865E+04	-3.476E+04	1.648E+00
378	4	30715.24	100.58	57.60	1	-1.147E+00	9.664E-03	-2.962E-01	-1.752E+04	-1.414E+04	-1.876E+03	8.114E-02	-1.218E+00	1.808E+00	-1.331E+04	-1.836E+04	1.990E+00
379	1	30769.57	60.35	57.60	1	-8.764E-01	-1.628E-01	1.679E-01	-3.467E+04	-1.875E+04	-1.247E+03	-1.253E-01	-9.139E-01	1.351E+00	-1.865E+04	-3.477E+04	1.648E+00
379	2	30796.74	20.12	57.60	1	-1.142E+00	-1.391E-01	1.347E-02	-5.107E+04	-1.501E+04	-1.655E+03	-1.389E-01	-1.142E+00	1.557E+00	-1.494E+04	-5.115E+04	1.617E+00
379	3	30823.90	60.35	57.60	1	-1.430E+00	3.511E-02	1.522E-01	-3.620E+04	-3.460E+03	1.245E+03	5.075E-02	-1.446E+00	1.468E+00	-3.413E+03	-3.624E+04	1.533E+00
379	4	30796.74	100.58	57.60	1	-1.165E+00	1.146E-02	3.066E-01	-1.751E+04	-1.414E+04	1.866E+03	8.655E-02	-1.240E+00	1.331E+00	-1.331E+04	-1.834E+04	1.153E+00
380	1	30842.24	60.35	57.60	1	-1.431E+00	2.617E-02	-9.695E-03	-3.532E+04	-1.244E+03	7.494E+02	2.623E-02	-1.431E+00	1.577E+00	-1.228E+03	-3.533E+04	1.549E+00
380	2	30851.74	20.12	57.60	1	-1.462E+00	-3.388E-02	-5.607E-02	-4.798E+04	7.195E+02	4.661E+02	-3.168E-02	-1.465E+00	1.610E+00	7.239E+02	-4.798E+04	1.561E+00
380	3	30861.24	60.35	57.60	1	-1.482E+00	4.874E-02	-6.860E-03	-3.538E+04	-4.448E+02	-2.593E+03	4.877E-02	-1.482E+00	1.575E+00	-2.534E+02	-3.557E+04	1.644E+00
380	4	30851.74	100.58	57.60	1	-1.450E+00	1.088E-01	3.951E-02	-2.281E+04	-3.391E+03	7.970E+01	1.098E-01	-1.451E+00	1.545E+00	-3.391E+03	-2.281E+04	1.567E+00
381	1	30660.24	125.95	57.60	1	-3.504E-02	-2.355E+00	-1.367E-01	1.829E+03	-1.055E+04	2.007E+02	-2.701E-02	-2.363E+00	-5.868E-02	1.832E+03	-1.055E+04	1.621E-02
381	2	30669.74	136.45	57.60	1	2.597E-01	-3.263E+00	-4.248E-01	3.700E+03	-3.862E+03	9.655E+02	3.102E-01	-3.313E+00	-1.183E-01	3.821E+03	-3.983E+03	1.250E-01
381	3	30660.24	146.95	57.60	1	2.192E-02	-2.369E+00	-7.252E-01	2.059E+03	1.469E+03	9.456E+02	2.247E-01	-2.571E+00	-2.727E-01	2.754E+03	7.734E+02	6.344E-01
381	4	30650.74	136.45	57.60	1	-2.728E-01	-1.461E+00	-4.372E-01	4.716E+02	-5.435E+03	1.495E+03	-1.292E-01	-1.604E+00	-3.173E-01	8.284E+02	-5.792E+03	2.343E-01
382	1	30715.24	125.95	57.60	1	-5.663E-02	-1.589E+00	6.202E-01	-3.920E+03	-8.032E+03	1.769E+03	1.629E-01	-1.808E+00	3.403E-01	-3.263E+03	-8.688E+03	3.552E-01
382	2	30742.40	136.45	57.60	1	-2.894E-02	1.058E-01	6.495E-01	-7.050E+03	-6.363E+03	5.754E+02	6.914E-01	-6.145E-01	8.371E-01	-6.036E+03	-7.377E+03	1.055E+00

382	3	30715.24	146.95	57.60	1	-2.842E-03	-1.612E+00	6.196E-01	-3.709E+03	-2.014E+03	1.121E+03	2.081E-01	-1.823E+00	3.282E-01	-1.456E+03	-4.266E+03	1.109E+00
382	4	30688.07	136.45	57.60	1	-3.053E-02	-3.306E+00	5.903E-01	-5.792E+02	-5.545E+03	1.831E+03	7.260E-02	-3.409E+00	1.730E-01	2.292E+01	-6.147E+03	3.177E-01
383	1	30796.74	125.95	57.60	1	-5.784E-02	-1.627E+00	-6.254E-01	-3.917E+03	-8.013E+03	-1.763E+03	1.610E-01	-1.846E+00	-3.365E-01	-3.263E+03	-8.668E+03	-3.554E-01
383	2	30823.90	136.45	57.60	1	-3.350E-02	-3.380E+00	-5.974E-01	-5.746E+02	-5.501E+03	-1.824E+03	6.995E-02	-3.484E+00	-1.715E-01	2.729E+01	-6.103E+03	-3.187E-01
383	3	30796.74	146.95	57.60	1	-7.542E-03	-1.648E+00	-6.248E-01	-3.709E+03	-1.994E+03	-1.105E+03	2.033E-01	-1.859E+00	-3.255E-01	-1.453E+03	-4.250E+03	2.026E+00
383	4	30769.57	136.45	57.60	1	-3.188E-02	1.054E-01	-6.528E-01	-7.052E+03	-6.361E+03	5.636E+02	6.931E-01	-6.196E-01	2.304E+00	-6.046E+03	-7.368E+03	1.060E+00
384	1	30851.74	125.95	57.60	1	-3.557E-02	-2.413E+00	1.466E-01	1.836E+03	-1.051E+04	-1.964E+02	-2.656E-02	-2.422E+00	6.137E-02	1.839E+03	-1.052E+04	-1.590E-02
384	2	30861.24	136.45	57.60	1	-2.786E-01	-1.503E+00	4.520E-01	4.674E+02	-5.403E+03	-1.490E+03	-1.298E-01	-1.652E+00	3.180E-01	8.238E+02	-5.759E+03	-2.348E-01
384	3	30851.74	146.95	57.60	1	1.989E-02	-2.426E+00	7.452E-01	2.061E+03	1.507E+03	-9.483E+02	2.291E-01	-2.635E+00	2.736E-01	2.772E+03	7.963E+02	-6.433E-01
384	4	30842.24	136.45	57.60	1	2.630E-01	-3.336E+00	4.398E-01	3.708E+03	-3.817E+03	-9.579E+02	3.159E-01	-3.389E+00	1.199E-01	3.828E+03	-3.937E+03	-1.247E-01
385	1	30660.24	157.45	57.60	1	3.347E-01	-2.834E-01	-8.070E-01	2.538E+03	2.173E+03	1.491E+03	8.898E-01	-8.385E-01	-6.025E-01	3.857E+03	8.530E+02	7.245E-01
385	2	30669.74	167.95	57.60	1	-4.097E-01	5.549E-01	-6.928E-01	3.284E+03	1.275E+03	6.994E+02	9.167E-01	-7.715E-01	2.052E+00	3.503E+03	1.055E+03	3.041E-01
385	3	30660.24	178.45	57.60	1	-7.352E-01	-2.426E-02	-3.441E-01	1.618E+03	3.920E+02	9.816E+02	1.150E-01	-8.744E-01	1.955E+00	2.162E+03	-1.522E+02	5.062E-01
385	4	30650.74	167.95	57.60	1	9.201E-03	-8.626E-01	-4.583E-01	3.708E+02	1.672E+03	1.082E+03	2.058E-01	-1.059E+00	-4.052E-01	2.284E+03	-2.413E+02	1.056E+00
386	1	30715.24	157.45	57.60	1	2.561E-01	1.145E-01	6.651E-01	-3.452E+03	-6.672E+02	7.835E+02	8.541E-01	-4.836E-01	7.324E-01	-4.619E+02	-3.657E+03	1.315E+00
386	2	30742.40	167.95	57.60	1	4.007E-01	-5.707E-01	8.246E-01	-7.299E+03	-8.731E+02	8.684E+01	8.720E-01	-1.042E+00	5.192E-01	-8.719E+02	-7.300E+03	1.557E+00
386	3	30715.24	178.45	57.60	1	5.459E-01	-8.702E-03	6.653E-01	-3.495E+03	-2.201E+02	1.185E+02	9.894E-01	-4.522E-01	5.880E-01	-2.158E+02	-3.499E+03	1.535E+00
386	4	30688.07	167.95	57.60	1	4.013E-01	6.765E-01	5.058E-01	3.518E+02	-3.346E+02	2.835E+02	1.063E+00	1.470E-02	9.182E-01	4.537E+02	-4.366E+02	3.452E-01
387	1	30796.74	157.45	57.60	1	2.572E-01	1.165E-01	-6.700E-01	-3.456E+03	-6.733E+02	-7.649E+02	8.604E-01	-4.868E-01	-7.331E-01	-4.770E+02	-3.653E+03	1.822E+00
387	2	30823.90	167.95	57.60	1	3.977E-01	6.849E-01	-5.158E-01	3.390E+02	-3.457E+02	-2.727E+02	1.077E+00	5.858E-03	2.220E+00	4.344E+02	-4.410E+02	-3.363E-01
387	3	30796.74	178.45	57.60	1	5.376E-01	-2.782E-03	-6.702E-01	-3.502E+03	-2.250E+02	-1.030E+02	9.900E-01	-4.552E-01	-5.938E-01	-2.218E+02	-3.506E+03	1.602E+00
387	4	30769.57	167.95	57.60	1	3.971E-01	-5.713E-01	-8.243E-01	-7.298E+03	-8.752E+02	7.021E+01	8.689E-01	-1.043E+00	-5.199E-01	-8.744E+02	-7.299E+03	1.560E+00
388	1	30851.74	157.45	57.60	1	3.400E-01	-2.923E-01	8.254E-01	2.532E+03	2.164E+03	-1.494E+03	9.077E-01	-8.600E-01	6.025E-01	3.853E+03	8.426E+02	-7.240E-01
388	2	30861.24	167.95	57.60	1	7.325E-03	-8.823E-01	4.698E-01	3.728E+02	1.672E+03	-1.078E+03	2.095E-01	-1.084E+00	4.063E-01	2.282E+03	-2.365E+02	2.085E+00
388	3	30851.74	178.45	57.60	1	-7.522E-01	-2.768E-02	3.535E-01	1.604E+03	3.896E+02	-9.777E+02	1.162E-01	-8.961E-01	1.184E+00	2.148E+03	-1.541E+02	-5.075E-01
388	4	30842.24	167.95	57.60	1	-4.196E-01	5.623E-01	7.091E-01	3.265E+03	1.261E+03	-6.908E+02	9.339E-01	-7.911E-01	1.088E+00	3.480E+03	1.046E+03	-3.019E-01
389	1	33213.73	-167.95	60.15	1	-1.037E-15	-7.274E-15	3.249E-17	1.587E+03	3.043E+02	1.098E+03	-1.036E-15	-7.274E-15	0.000E+00	2.218E+03	-3.262E+02	5.211E-01
389	2	33223.23	-178.45	60.15	1	-2.793E-15	2.882E-15	3.475E-31	4.482E+02	1.799E+03	1.015E+03	2.882E-15	-2.793E-15	1.571E+00	2.343E+03	-9.608E+01	1.079E+00
389	3	33232.73	-167.95	60.15	1	7.287E-15	1.115E-15	-7.558E-31	1.507E+03	3.593E+03	7.621E+02	7.287E-15	1.115E-15	0.000E+00	3.842E+03	1.259E+03	1.255E+00
389	4	33223.23	-157.45	60.15	1	-2.747E-15	2.749E-15	-3.365E-31	2.241E+03	2.630E+03	1.351E+03	2.749E-15	-2.747E-15	1.571E+00	3.800E+03	1.071E+03	8.569E-01
390	1	33251.07	-167.95	60.15	1	-3.373E-16	-2.399E-15	-1.607E-17	-1.658E+02	5.826E+02	3.706E+02	-3.372E-16	-2.399E-15	0.000E+00	7.351E+02	-3.183E+02	1.180E+00
390	2	33278.23	-178.45	60.15	1	-2.814E-15	3.009E-15	3.565E-31	-2.555E+02	-3.499E+03	2.401E+02	3.009E-15	-2.814E-15	1.571E+00	-2.378E+02	-3.517E+03	7.347E-02
390	3	33305.40	-167.95	60.15	1	2.712E-15	2.838E-16	-2.973E-31	-1.102E+03	-7.515E+03	-1.374E+02	2.712E-15	2.838E-16	0.000E+00	-1.099E+03	-7.518E+03	-2.141E-02
390	4	33278.23	-157.45	60.15	1	-2.657E-15	2.722E-15	-3.294E-31	-6.836E+02	-3.433E+03	1.030E+03	2.722E-15	-2.657E-15	1.571E+00	-3.403E+02	-3.776E+03	3.216E-01
391	1	33332.57	-167.95	60.15	1	-4.211E-16	-2.162E-15	-1.098E-16	-1.102E+03	-7.515E+03	-1.374E+02	-4.142E-16	-2.169E-15	0.000E+00	-1.099E+03	-7.518E+03	-2.141E-02
391	2	33359.73	-178.45	60.15	1	-2.534E-15	2.910E-15	3.333E-31	-2.555E+02	-3.499E+03	-2.401E+02	2.910E-15	-2.534E-15	1.571E+00	-2.378E+02	-3.517E+03	-7.347E-02
391	3	33386.90	-167.95	60.15	1	2.928E-15	3.794E-16	-3.121E-31	-1.658E+02	5.826E+02	-3.706E+02	2.928E-15	3.794E-16	0.000E+00	7.351E+02	-3.183E+02	1.961E+00
391	4	33359.73	-157.45	60.15	1	-2.714E-15	3.063E-15	-3.537E-31	-6.836E+02	-3.433E+03	-1.030E+03	3.063E-15	-2.714E-15	1.571E+00	-3.403E+02	-3.776E+03	-3.216E-01
392	1	33405.23	-167.95	60.15	1	-1.125E-15	-7.118E-15	-1.045E-16	1.507E+03	3.593E+03	-7.621E+02	-1.123E-15	-7.119E-15	0.000E+00	3.842E+03	1.259E+03	1.886E+00
392	2	33414.73	-178.45	60.15	1	-2.636E-15	2.793E-15	3.324E-31	4.482E+02	1.799E+03	-1.015E+03	2.793E-15	-2.636E-15	1.571E+00	2.343E+03	-9.608E+01	2.063E+00
392	3	33424.23	-167.95	60.15	1	7.379E-15	1.245E-15	-7.512E-31	1.587E+03	3.043E+02	-1.098E+03	7.379E-15	1.245E-15	0.000E+00	2.218E+03	-3.262E+02	-5.211E-01
392	4	33414.73	-157.45	60.15	1	-2.831E-15	3.055E-15	-3.605E-31	2.241E+03	2.630E+03	-1.351E+03	3.055E-15	-2.831E-15	1.571E+00	3.800E+03	1.071E+03	2.285E+00
393	1	33223.23	-146.95	60.15	1	-3.969E-17	1.309E-16	-2.801E-15	1.972E+03	5.302E+02	-8.100E+02	2.848E-15	-2.756E-15	1.571E+00	2.336E+03	1.668E+02	-4.217E-01

393	2	33232.73	-136.45	60.15	1	1.282E-15	7.242E-15	3.649E-31	3.502E+03	-5.016E+03	-1.027E+03	7.242E-15	1.282E-15	1.571E+00	3.624E+03	-5.138E+03	-1.183E-01
393	3	33223.23	-125.95	60.15	1	2.904E-15	-2.776E-15	-6.955E-31	1.690E+03	-1.150E+04	-2.432E+02	2.904E-15	-2.776E-15	0.000E+00	1.695E+03	-1.150E+04	-1.843E-02
393	4	33213.73	-136.45	60.15	1	-7.272E-15	-1.033E-15	-3.820E-31	5.862E+02	-6.274E+03	-1.529E+03	-1.033E-15	-7.272E-15	1.571E+00	9.115E+02	-6.599E+03	-2.097E-01
394	1	33278.23	-146.95	60.15	1	1.049E-17	-1.059E-16	-3.007E-15	-3.792E+03	-2.690E+03	-1.338E+03	2.960E-15	-3.055E-15	0.000E+00	-1.794E+03	-4.687E+03	2.161E+00
394	2	33305.40	-136.45	60.15	1	1.005E-16	2.424E-15	1.423E-31	-7.045E+03	-6.750E+03	6.004E+02	2.424E-15	1.005E-16	1.571E+00	-6.279E+03	-7.516E+03	9.055E-01
394	3	33278.23	-125.95	60.15	1	2.428E-15	-2.780E-15	-6.378E-31	-3.983E+03	-8.676E+03	-1.794E+03	2.428E-15	-2.780E-15	0.000E+00	-3.376E+03	-9.283E+03	-3.263E-01
394	4	33251.07	-136.45	60.15	1	-2.761E-15	-2.115E-16	-1.561E-31	-7.309E+02	-6.700E+03	-1.883E+03	-2.115E-16	-2.761E-15	1.571E+00	-1.868E+02	-7.244E+03	-2.814E-01
395	1	33359.73	-146.95	60.15	1	3.395E-16	-1.416E-16	-2.789E-15	-3.792E+03	-2.690E+03	1.338E+03	2.899E-15	-2.701E-15	0.000E+00	-1.794E+03	-4.687E+03	9.807E-01
395	2	33386.90	-136.45	60.15	1	1.139E-16	2.973E-15	1.751E-31	-7.309E+02	-6.700E+03	1.883E+03	2.973E-15	1.139E-16	1.571E+00	-1.868E+02	-7.244E+03	2.814E-01
395	3	33359.73	-125.95	60.15	1	2.976E-15	-2.683E-15	-6.930E-31	-3.983E+03	-8.676E+03	1.794E+03	2.976E-15	-2.683E-15	0.000E+00	-3.376E+03	-9.283E+03	3.263E-01
395	4	33332.57	-136.45	60.15	1	-2.127E-15	-4.681E-16	-1.016E-31	-7.045E+03	-6.750E+03	6.004E+02	-4.681E-16	-2.127E-15	1.571E+00	-6.279E+03	-7.516E+03	9.055E-01
396	1	33414.73	-146.95	60.15	1	2.289E-16	4.208E-16	-2.460E-15	1.972E+03	5.302E+02	8.100E+02	2.787E-15	-2.137E-15	1.571E+00	2.336E+03	1.668E+02	4.217E-01
396	2	33424.23	-136.45	60.15	1	2.109E-15	7.406E-15	3.243E-31	5.862E+02	-6.274E+03	1.529E+03	7.406E-15	2.109E-15	1.571E+00	9.115E+02	-6.599E+03	2.097E-01
396	3	33414.73	-125.95	60.15	1	3.927E-15	-3.221E-15	-8.753E-31	1.690E+03	-1.150E+04	2.432E+02	3.927E-15	-3.221E-15	0.000E+00	1.695E+03	-1.150E+04	1.843E-02
396	4	33405.23	-136.45	60.15	1	-6.869E-15	-1.291E-15	-3.415E-31	3.502E+03	-5.016E+03	1.027E+03	-1.291E-15	-6.869E-15	1.571E+00	3.624E+03	-5.138E+03	1.183E-01
397	1	33213.73	-60.35	60.15	1	-8.226E-16	-3.621E-15	-1.126E-16	-3.617E+04	-4.673E+02	-2.566E+03	-8.181E-16	-3.625E-15	0.000E+00	-2.838E+02	-3.635E+04	1.642E+00
397	2	33223.23	-100.58	60.15	1	-5.141E-16	2.349E-16	4.586E-32	-2.363E+04	-3.420E+03	1.077E+02	2.349E-16	-5.141E-16	1.571E+00	-3.420E+03	-2.364E+04	1.565E+00
397	3	33232.73	-60.35	60.15	1	3.618E-15	3.538E-16	-3.998E-31	-3.610E+04	-1.242E+03	7.619E+02	3.618E-15	3.538E-16	0.000E+00	-1.226E+03	-3.611E+04	1.549E+00
397	4	33223.23	-20.12	60.15	1	-6.884E-16	4.962E-16	-7.254E-32	-4.873E+04	7.093E+02	4.611E+02	4.962E-16	-6.884E-16	1.571E+00	7.136E+02	-4.873E+04	1.561E+00
398	1	33251.07	-60.35	60.15	1	-3.640E-16	-1.199E-15	-2.757E-16	-3.698E+04	-3.479E+03	1.249E+03	-2.812E-16	-1.282E-15	0.000E+00	-3.432E+03	-3.703E+04	1.534E+00
398	2	33278.23	-100.58	60.15	1	-5.120E-16	2.813E-16	4.857E-32	-1.828E+04	-1.414E+04	1.871E+03	2.813E-16	-5.120E-16	1.571E+00	-1.342E+04	-1.900E+04	1.203E+00
398	3	33305.40	-60.35	60.15	1	1.438E-15	3.150E-16	-1.376E-31	-3.542E+04	-1.863E+04	-1.257E+03	1.438E-15	3.150E-16	0.000E+00	-1.854E+04	-3.551E+04	1.645E+00
398	4	33278.23	-20.12	60.15	1	-6.721E-16	1.093E-15	-1.081E-31	-5.181E+04	-1.499E+04	-3.930E+02	1.093E-15	-6.721E-16	1.571E+00	-1.499E+04	-5.181E+04	1.581E+00
399	1	33332.57	-60.35	60.15	1	-2.846E-17	-3.235E-15	-5.142E-17	-3.542E+04	-1.863E+04	-1.257E+03	-2.763E-17	-3.236E-15	0.000E+00	-1.854E+04	-3.551E+04	1.645E+00
399	2	33359.73	-100.58	60.15	1	-5.891E-16	7.087E-16	7.947E-32	-1.828E+04	-1.414E+04	-1.871E+03	7.087E-16	-5.891E-16	1.571E+00	-1.342E+04	-1.900E+04	1.938E+00
399	3	33386.90	-60.35	60.15	1	3.552E-16	-8.942E-16	-1.530E-31	-3.698E+04	-3.479E+03	-1.249E+03	3.552E-16	-8.942E-16	0.000E+00	-3.432E+03	-3.703E+04	1.608E+00
399	4	33359.73	-20.12	60.15	1	-4.334E-15	4.122E-16	-2.906E-31	-5.181E+04	-1.499E+04	-1.665E+03	4.122E-16	-4.334E-15	1.571E+00	-1.492E+04	-5.189E+04	1.616E+00
400	1	33405.23	-60.35	60.15	1	-5.377E-16	-4.427E-15	4.679E-16	-3.610E+04	-1.242E+03	-7.619E+02	-4.822E-16	-4.482E-15	0.000E+00	-1.226E+03	-3.611E+04	1.593E+00
400	2	33414.73	-100.58	60.15	1	-4.566E-16	6.083E-16	6.521E-32	-2.363E+04	-3.420E+03	-1.077E+02	6.083E-16	-4.566E-16	1.571E+00	-3.420E+03	-2.364E+04	1.576E+00
400	3	33424.23	-60.35	60.15	1	3.131E-15	8.897E-17	-3.725E-31	-3.617E+04	-4.673E+02	2.566E+03	3.131E-15	8.897E-17	0.000E+00	-2.838E+02	-3.635E+04	1.499E+00
400	4	33414.73	-20.12	60.15	1	-1.909E-15	1.252E-17	-1.176E-31	-4.873E+04	7.093E+02	-4.611E+02	1.252E-17	-1.909E-15	1.571E+00	7.136E+02	-4.873E+04	1.580E+00
401	1	33213.73	60.35	60.15	1	9.383E-17	3.700E-15	5.930E-17	-3.617E+04	-4.673E+02	2.566E+03	3.701E-15	9.286E-17	1.571E+00	-2.838E+02	-3.635E+04	1.499E+00
401	2	33223.23	20.12	60.15	1	-5.158E-16	1.310E-16	3.960E-32	-4.873E+04	7.093E+02	4.611E+02	1.310E-16	-5.158E-16	1.571E+00	7.136E+02	-4.873E+04	1.561E+00
401	3	33232.73	60.35	60.15	1	-8.770E-16	-3.633E-15	-3.375E-31	-3.610E+04	-1.242E+03	-7.619E+02	-8.770E-16	-3.633E-15	0.000E+00	-1.226E+03	-3.611E+04	1.593E+00
401	4	33223.23	100.58	60.15	1	-6.005E-16	2.689E-16	-5.323E-32	-2.363E+04	-3.420E+03	-1.077E+02	2.689E-16	-6.005E-16	1.571E+00	-3.420E+03	-2.364E+04	1.576E+00
402	1	33251.07	60.35	60.15	1	-1.381E-16	1.335E-15	8.622E-17	-3.698E+04	-3.479E+03	-1.249E+03	1.340E-15	-1.431E-16	1.571E+00	-3.432E+03	-3.703E+04	1.608E+00
402	2	33278.23	20.12	60.15	1	-6.692E-16	4.524E-16	6.867E-32	-5.181E+04	-1.499E+04	-3.930E+02	4.524E-16	-6.692E-16	1.571E+00	-1.499E+04	-5.181E+04	1.581E+00
402	3	33305.40	60.35	60.15	1	-2.668E-16	-1.629E-15	-1.668E-31	-3.542E+04	-1.863E+04	-1.257E+03	-2.668E-16	-1.629E-15	0.000E+00	-1.854E+04	-3.551E+04	1.645E+00
402	4	33278.23	100.58	60.15	1	-9.994E-16	5.176E-16	-9.289E-32	-1.828E+04	-1.414E+04	-1.871E+03	5.176E-16	-9.994E-16	1.571E+00	-1.342E+04	-1.900E+04	1.938E+00
403	1	33332.57	60.35	60.15	1	-7.929E-16	-1.207E-15	-1.781E-16	-3.542E+04	-1.863E+04	-1.257E+03	-7.269E-16	-1.273E-15	0.000E+00	-1.854E+04	-3.551E+04	1.645E+00
403	2	33359.73	20.12	60.15	1	-4.623E-15	-3.699E-16	2.604E-31	-5.181E+04	-1.499E+04	-1.665E+03	-3.699E-16	-4.623E-15	1.571E+00	-1.492E+04	-5.189E+04	1.616E+00
403	3	33386.90	60.35	60.15	1	-5.722E-16	-4.184E-15	-4.423E-31	-3.698E+04	-3.479E+03	1.249E+03	-5.722E-16	-4.184E-15	0.000E+00	-3.432E+03	-3.703E+04	1.534E+00
403	4	33359.73	100.58	60.15	1	-2.371E-15	6.073E-16	-1.824E-31	-1.828E+04	-1.414E+04	1.871E+03	6.073E-16	-2.371E-15	1.571E+00	-1.342E+04	-1.900E+04	1.203E+00



404	1	33405.23	60.35	60.15	1	-4.553E-16	-8.119E-16	4.244E-16	-3.610E+04	-1.242E+03	7.619E+02	-1.732E-16	-1.094E-15	0.000E+00	-1.226E+03	-3.611E+04	1.549E+00
404	2	33414.73	20.12	60.15	1	-3.323E-15	-1.992E-17	2.022E-31	-4.873E+04	7.093E+02	-4.611E+02	-1.992E-17	-3.323E-15	1.571E+00	7.136E+02	-4.873E+04	1.580E+00
404	3	33424.23	60.35	60.15	1	-2.350E-15	-8.040E-15	-6.968E-31	-3.617E+04	-4.673E+02	-2.566E+03	-2.350E-15	-8.040E-15	0.000E+00	-2.838E+02	-3.635E+04	1.642E+00
404	4	33414.73	100.58	60.15	1	-7.667E-15	-6.480E-16	-4.298E-31	-2.363E+04	-3.420E+03	1.077E+02	-6.480E-16	-7.667E-15	1.571E+00	-3.420E+03	-2.364E+04	1.565E+00
405	1	33223.23	125.95	60.15	1	2.524E-16	8.861E-16	2.793E-15	1.690E+03	-1.150E+04	2.432E+02	3.380E-15	-2.242E-15	1.571E+00	1.695E+03	-1.150E+04	1.843E-02
405	2	33232.73	136.45	60.15	1	-6.906E-15	-8.896E-16	3.684E-31	3.502E+03	-5.016E+03	1.027E+03	-8.896E-16	-6.906E-15	1.571E+00	3.624E+03	-5.138E+03	1.183E-01
405	3	33223.23	146.95	60.15	1	3.814E-15	-2.789E-15	-8.085E-31	1.972E+03	5.302E+02	8.100E+02	3.814E-15	-2.789E-15	0.000E+00	2.336E+03	1.668E+02	4.217E-01
405	4	33213.73	136.45	60.15	1	2.697E-15	7.262E-15	-2.795E-31	5.862E+02	-6.274E+03	1.529E+03	7.262E-15	2.697E-15	1.571E+00	9.115E+02	-6.599E+03	2.097E-01
406	1	33278.23	125.95	60.15	1	-3.305E-16	-2.323E-15	2.432E-15	-3.983E+03	-8.676E+03	1.794E+03	1.301E-15	-3.954E-15	0.000E+00	-3.376E+03	-9.283E+03	3.263E-01
406	2	33305.40	136.45	60.15	1	-5.701E-15	-2.272E-15	2.100E-31	-7.045E+03	-6.750E+03	6.004E+02	-2.272E-15	-5.701E-15	1.571E+00	-6.279E+03	-7.516E+03	9.055E-01
406	3	33278.23	146.95	60.15	1	2.152E-15	-4.655E-15	-8.335E-31	-3.792E+03	-2.690E+03	1.338E+03	2.152E-15	-4.655E-15	0.000E+00	-1.794E+03	-4.687E+03	9.807E-01
406	4	33251.07	136.45	60.15	1	2.355E-16	2.582E-15	-1.437E-31	-7.309E+02	-6.700E+03	1.883E+03	2.582E-15	2.355E-16	1.571E+00	-1.868E+02	-7.244E+03	2.814E-01
407	1	33359.73	125.95	60.15	1	4.156E-16	5.736E-15	4.268E-15	-3.983E+03	-8.676E+03	-1.794E+03	8.105E-15	-1.953E-15	1.571E+00	-3.376E+03	-9.283E+03	-3.263E-01
407	2	33386.90	136.45	60.15	1	-3.540E-15	1.726E-14	1.274E-30	-7.309E+02	-6.700E+03	-1.883E+03	1.726E-14	-3.540E-15	1.571E+00	-1.868E+02	-7.244E+03	-2.814E-01
407	3	33359.73	146.95	60.15	1	6.995E-15	-1.503E-15	-1.041E-30	-3.792E+03	-2.690E+03	-1.338E+03	6.995E-15	-1.503E-15	0.000E+00	-1.794E+03	-4.687E+03	2.161E+00
407	4	33332.57	136.45	60.15	1	-5.370E-15	3.291E-15	-5.303E-31	-7.045E+03	-6.750E+03	6.004E+02	3.291E-15	-5.370E-15	1.571E+00	-6.279E+03	-7.516E+03	9.055E-01
408	1	33414.73	125.95	60.15	1	-5.375E-15	5.179E-15	-4.690E-16	1.690E+03	-1.150E+04	-2.432E+02	5.200E-15	-5.395E-15	1.571E+00	1.695E+03	-1.150E+04	-1.843E-02
408	2	33424.23	136.45	60.15	1	-1.735E-14	4.547E-15	1.341E-30	5.862E+02	-6.274E+03	-1.529E+03	4.547E-15	-1.735E-14	1.571E+00	9.115E+02	-6.599E+03	-2.097E-01
408	3	33414.73	146.95	60.15	1	2.513E-14	-1.590E-14	-5.025E-30	1.972E+03	5.302E+02	-8.100E+02	2.513E-14	-1.590E-14	0.000E+00	2.336E+03	1.668E+02	-4.217E-01
408	4	33405.23	136.45	60.15	1	-2.323E-16	2.208E-14	-1.366E-30	3.502E+03	-5.016E+03	-1.027E+03	2.208E-14	-2.323E-16	1.571E+00	3.624E+03	-5.138E+03	-1.183E-01
409	1	33223.23	157.45	60.15	1	-4.903E-17	-9.049E-17	3.014E-15	2.630E+03	2.241E+03	1.351E+03	2.944E-15	-3.083E-15	0.000E+00	3.800E+03	1.071E+03	7.139E-01
409	2	33232.73	167.95	60.15	1	-7.098E-15	-1.848E-15	3.215E-31	3.593E+03	1.507E+03	7.621E+02	-1.848E-15	-7.098E-15	1.571E+00	3.842E+03	1.259E+03	3.155E-01
409	3	33223.23	178.45	60.15	1	2.969E-15	-3.059E-15	-7.382E-31	1.799E+03	4.482E+02	1.015E+03	2.969E-15	-3.059E-15	0.000E+00	2.343E+03	-9.608E+01	4.920E-01
409	4	33213.73	167.95	60.15	1	1.651E-15	7.065E-15	-3.316E-31	3.043E+02	1.587E+03	1.098E+03	7.065E-15	1.651E-15	1.571E+00	2.218E+03	-3.262E+02	1.050E+00
410	1	33278.23	157.45	60.15	1	2.781E-16	-1.191E-16	2.314E-15	-3.433E+03	-6.836E+02	1.030E+03	2.402E-15	-2.243E-15	0.000E+00	-3.403E+02	-3.776E+03	1.249E+00
410	2	33305.40	167.95	60.15	1	-3.739E-15	1.597E-15	3.267E-31	-7.515E+03	-1.102E+03	1.374E+02	1.597E-15	-3.739E-15	1.571E+00	-1.099E+03	-7.518E+03	1.549E+00
410	3	33278.23	178.45	60.15	1	3.165E-15	-3.666E-15	-8.366E-31	-3.499E+03	-2.555E+02	2.401E+02	3.165E-15	-3.666E-15	0.000E+00	-2.378E+02	-3.517E+03	1.497E+00
410	4	33251.07	167.95	60.15	1	-4.632E-16	2.264E-15	-1.670E-31	5.826E+02	-1.658E+02	3.706E+02	2.264E-15	-4.632E-16	1.571E+00	7.351E+02	-3.183E+02	3.903E-01
411	1	33359.73	157.45	60.15	1	-2.323E-15	-4.379E-15	2.191E-15	-3.433E+03	-6.836E+02	-1.030E+03	-9.312E-16	-5.771E-15	0.000E+00	-3.403E+02	-3.776E+03	1.892E+00
411	2	33386.90	167.95	60.15	1	-1.479E-14	6.690E-18	9.060E-31	5.826E+02	-1.658E+02	-3.706E+02	6.690E-18	-1.479E-14	1.571E+00	7.351E+02	-3.183E+02	-3.903E-01
411	3	33359.73	178.45	60.15	1	1.645E-15	-1.149E-14	-1.609E-30	-3.499E+03	-2.555E+02	-2.401E+02	1.645E-15	-1.149E-14	0.000E+00	-2.378E+02	-3.517E+03	1.644E+00
411	4	33332.57	167.95	60.15	1	-5.221E-15	3.458E-15	-5.314E-31	-7.515E+03	-1.102E+03	1.374E+02	3.458E-15	-5.221E-15	1.571E+00	-1.099E+03	-7.518E+03	1.549E+00
412	1	33414.73	157.45	60.15	1	9.808E-15	2.041E-14	-1.536E-14	2.630E+03	2.241E+03	-1.351E+03	3.136E-14	-1.143E-15	1.571E+00	3.800E+03	1.071E+03	-7.139E-01
412	2	33424.23	167.95	60.15	1	-1.078E-14	4.928E-14	3.677E-30	3.043E+02	1.587E+03	-1.098E+03	4.928E-14	-1.078E-14	1.571E+00	2.218E+03	-3.262E+02	2.092E+00
412	3	33414.73	178.45	60.15	1	2.683E-14	2.761E-15	-2.948E-30	1.799E+03	4.482E+02	-1.015E+03	2.683E-14	2.761E-15	0.000E+00	2.343E+03	-9.608E+01	-4.920E-01
412	4	33405.23	167.95	60.15	1	-6.412E-15	2.772E-14	-2.090E-30	3.593E+03	1.507E+03	-7.621E+02	2.772E-14	-6.412E-15	1.571E+00	3.842E+03	1.259E+03	-3.155E-01
413	1	35776.73	-167.95	62.70	1	-8.626E-01	9.201E-03	-4.583E-01	1.672E+03	3.708E+02	1.082E+03	2.058E-01	-1.059E+00	1.976E+00	2.284E+03	-2.413E+02	5.148E-01
413	2	35786.23	-178.45	62.70	1	-2.426E-02	-7.352E-01	-3.441E-01	3.920E+02	1.618E+03	9.816E+02	1.150E-01	-8.744E-01	-3.846E-01	2.162E+03	-1.522E+02	1.065E+00
413	3	35795.73	-167.95	62.70	1	5.549E-01	-4.097E-01	-6.928E-01	1.275E+03	3.284E+03	6.994E+02	9.167E-01	-7.715E-01	-4.813E-01	3.503E+03	1.055E+03	1.267E+00
413	4	35786.23	-157.45	62.70	1	-2.834E-01	3.347E-01	-8.070E-01	2.173E+03	2.538E+03	1.491E+03	8.898E-01	-8.385E-01	2.173E+00	3.857E+03	8.530E+02	8.463E-01
414	1	35814.07	-167.95	62.70	1	6.765E-01	4.013E-01	5.058E-01	-3.346E+02	3.518E+02	2.835E+02	1.063E+00	1.470E-02	6.526E-01	4.537E+02	-4.366E+02	1.226E+00
414	2	35841.23	-178.45	62.70	1	-8.702E-03	5.459E-01	6.653E-01	-2.201E+02	-3.495E+03	1.185E+02	9.894E-01	-4.522E-01	9.828E-01	-2.158E+02	-3.499E+03	3.611E-02
414	3	35868.40	-167.95	62.70	1	-5.707E-01	4.007E-01	8.246E-01	-8.731E+02	-7.299E+03	8.684E+01	8.720E-01	-1.042E+00	1.052E+00	-8.719E+02	-7.300E+03	1.351E-02

414	4	35841.23	-157.45	62.70	1	1.145E-01	2.561E-01	6.651E-01	-6.672E+02	-3.452E+03	7.835E+02	8.541E-01	-4.836E-01	8.384E-01	-4.619E+02	-3.657E+03	2.563E-01
415	1	35895.57	-167.95	62.70	1	-5.713E-01	3.971E-01	-8.243E-01	-8.752E+02	-7.298E+03	7.021E+01	8.689E-01	-1.043E+00	2.091E+00	-8.744E+02	-7.299E+03	1.093E-02
415	2	35922.73	-178.45	62.70	1	-2.782E-03	5.376E-01	-6.702E-01	-2.250E+02	-3.502E+03	-1.030E+02	9.900E-01	-4.552E-01	2.165E+00	-2.218E+02	-3.506E+03	-3.137E-02
415	3	35949.90	-167.95	62.70	1	6.849E-01	3.977E-01	-5.158E-01	-3.457E+02	3.390E+02	-2.727E+02	1.077E+00	5.858E-03	-6.496E-01	4.344E+02	-4.410E+02	1.907E+00
415	4	35922.73	-157.45	62.70	1	1.165E-01	2.572E-01	-6.700E-01	-6.733E+02	-3.456E+03	-7.649E+02	8.604E-01	-4.868E-01	2.304E+00	-4.770E+02	-3.653E+03	-2.513E-01
416	1	35968.23	-167.95	62.70	1	5.623E-01	-4.196E-01	7.091E-01	1.261E+03	3.265E+03	-6.908E+02	9.339E-01	-7.911E-01	4.826E-01	3.480E+03	1.046E+03	1.873E+00
416	2	35977.73	-178.45	62.70	1	-2.768E-02	-7.522E-01	3.535E-01	3.896E+02	1.604E+03	-9.777E+02	1.162E-01	-8.961E-01	3.866E-01	2.148E+03	-1.541E+02	2.078E+00
416	3	35987.23	-167.95	62.70	1	-8.823E-01	7.325E-03	4.698E-01	1.672E+03	3.728E+02	-1.078E+03	2.095E-01	-1.084E+00	1.164E+00	2.282E+03	-2.365E+02	-5.143E-01
416	4	35977.73	-157.45	62.70	1	-2.923E-01	3.400E-01	8.254E-01	2.164E+03	2.532E+03	-1.494E+03	9.077E-01	-8.600E-01	9.683E-01	3.853E+03	8.426E+02	2.295E+00
417	1	35786.23	-146.95	62.70	1	2.192E-02	-2.369E+00	7.252E-01	2.059E+03	1.469E+03	-9.456E+02	2.247E-01	-2.571E+00	2.727E-01	2.754E+03	7.734E+02	-6.344E-01
417	2	35795.73	-136.45	62.70	1	2.597E-01	-3.263E+00	4.248E-01	3.700E+03	-3.862E+03	-9.655E+02	3.102E-01	-3.313E+00	1.183E-01	3.821E+03	-3.983E+03	-1.250E-01
417	3	35786.23	-125.95	62.70	1	-3.504E-02	-2.355E+00	1.367E-01	1.829E+03	-1.055E+04	-2.007E+02	-2.701E-02	-2.363E+00	5.868E-02	1.832E+03	-1.055E+04	-1.621E-02
417	4	35776.73	-136.45	62.70	1	-2.728E-01	-1.461E+00	4.372E-01	4.716E+02	-5.435E+03	-1.495E+03	-1.292E-01	-1.604E+00	3.173E-01	8.284E+02	-5.792E+03	-2.343E-01
418	1	35841.23	-146.95	62.70	1	-2.842E-03	-1.612E+00	-6.196E-01	-3.709E+03	-2.014E+03	-1.121E+03	2.081E-01	-1.823E+00	-3.282E-01	-1.456E+03	-4.266E+03	2.033E+00
418	2	35868.40	-136.45	62.70	1	-2.894E-02	1.058E-01	-6.495E-01	-7.050E+03	-6.363E+03	-5.754E+02	6.914E-01	-6.145E-01	2.305E+00	-6.036E+03	-7.377E+03	2.087E+00
418	3	35841.23	-125.95	62.70	1	-5.663E-02	-1.589E+00	-6.202E-01	-3.920E+03	-8.032E+03	-1.769E+03	1.629E-01	-1.808E+00	-3.403E-01	-3.263E+03	-8.688E+03	-3.552E-01
418	4	35814.07	-136.45	62.70	1	-3.053E-02	-3.306E+00	-5.903E-01	-5.792E+02	-5.545E+03	-1.831E+03	7.260E-02	-3.409E+00	-1.730E-01	2.292E+01	-6.147E+03	-3.177E-01
419	1	35922.73	-146.95	62.70	1	-7.542E-03	-1.648E+00	6.248E-01	-3.709E+03	-1.994E+03	1.105E+03	2.033E-01	-1.859E+00	3.255E-01	-1.453E+03	-4.250E+03	1.115E+00
419	2	35949.90	-136.45	62.70	1	-3.350E-02	-3.380E+00	5.974E-01	-5.746E+02	-5.501E+03	1.824E+03	6.995E-02	-3.484E+00	1.715E-01	2.729E+01	-6.103E+03	3.187E-01
419	3	35922.73	-125.95	62.70	1	-5.784E-02	-1.627E+00	6.254E-01	-3.917E+03	-8.013E+03	1.763E+03	1.610E-01	-1.846E+00	3.365E-01	-3.263E+03	-8.668E+03	3.554E-01
419	4	35895.57	-136.45	62.70	1	-3.188E-02	1.054E-01	6.528E-01	-7.052E+03	-6.361E+03	-5.636E+02	6.931E-01	-6.196E-01	8.378E-01	-6.046E+03	-7.368E+03	2.081E+00
420	1	35977.73	-146.95	62.70	1	1.989E-02	-2.426E+00	-7.452E-01	2.061E+03	1.507E+03	9.483E+02	2.291E-01	-2.635E+00	-2.736E-01	2.772E+03	7.963E+02	6.433E-01
420	2	35987.23	-136.45	62.70	1	-2.786E-01	-1.503E+00	-4.520E-01	4.674E+02	-5.403E+03	1.490E+03	-1.298E-01	-1.652E+00	-3.180E-01	8.238E+02	-5.759E+03	2.348E-01
420	3	35977.73	-125.95	62.70	1	-3.557E-02	-2.413E+00	-1.466E-01	1.836E+03	-1.051E+04	1.964E+02	-2.656E-02	-2.422E+00	-6.137E-02	1.839E+03	-1.052E+04	1.590E-02
420	4	35968.23	-136.45	62.70	1	2.630E-01	-3.336E+00	-4.398E-01	3.708E+03	-3.817E+03	9.579E+02	3.159E-01	-3.389E+00	-1.199E-01	3.828E+03	-3.937E+03	1.247E-01
421	1	35776.73	-60.35	62.70	1	-1.438E+00	4.579E-02	-3.483E-03	-3.539E+04	-4.480E+02	-2.587E+03	4.580E-02	-1.438E+00	1.573E+00	-2.574E+02	-3.558E+04	1.644E+00
421	2	35786.23	-100.58	62.70	1	-1.410E+00	1.066E-01	3.575E-02	-2.283E+04	-3.391E+03	8.004E+01	1.075E-01	-1.411E+00	1.547E+00	-3.391E+03	-2.283E+04	1.567E+00
421	3	35795.73	-60.35	62.70	1	-1.395E+00	2.660E-02	-6.282E-03	-3.533E+04	-1.244E+03	7.532E+02	2.663E-02	-1.395E+00	1.575E+00	-1.227E+03	-3.535E+04	1.549E+00
421	4	35786.23	-20.12	62.70	1	-1.422E+00	-3.422E-02	-4.552E-02	-4.798E+04	7.164E+02	4.646E+02	-3.273E-02	-1.424E+00	1.604E+00	7.209E+02	-4.799E+04	1.561E+00
422	1	35814.07	-60.35	62.70	1	-1.395E+00	2.781E-02	1.510E-01	-3.621E+04	-3.466E+03	1.242E+03	4.367E-02	-1.411E+00	1.466E+00	-3.419E+03	-3.626E+04	1.533E+00
422	2	35841.23	-100.58	62.70	1	-1.147E+00	9.664E-03	2.962E-01	-1.752E+04	-1.414E+04	1.876E+03	8.114E-02	-1.218E+00	1.334E+00	-1.331E+04	-1.836E+04	1.152E+00
422	3	35868.40	-60.35	62.70	1	-8.757E-01	-1.578E-01	1.666E-01	-3.467E+04	-1.874E+04	1.243E+03	-1.210E-01	-9.125E-01	1.354E+00	-1.865E+04	-3.476E+04	1.493E+00
422	4	35841.23	-20.12	62.70	1	-1.124E+00	-1.396E-01	2.140E-02	-5.107E+04	-1.501E+04	1.654E+03	-1.392E-01	-1.124E+00	1.549E+00	-1.494E+04	-5.115E+04	1.525E+00
423	1	35895.57	-60.35	62.70	1	-8.764E-01	-1.628E-01	-1.679E-01	-3.467E+04	-1.875E+04	1.247E+03	-1.253E-01	-9.139E-01	1.791E+00	-1.865E+04	-3.477E+04	1.493E+00
423	2	35922.73	-100.58	62.70	1	-1.165E+00	1.146E-02	-3.066E-01	-1.751E+04	-1.414E+04	-1.866E+03	8.655E-02	-1.240E+00	1.811E+00	-1.331E+04	-1.834E+04	1.989E+00
423	3	35949.90	-60.35	62.70	1	-1.430E+00	3.511E-02	-1.522E-01	-3.620E+04	-3.460E+03	-1.245E+03	5.075E-02	-1.446E+00	1.673E+00	-3.413E+03	-3.624E+04	1.609E+00
423	4	35922.73	-20.12	62.70	1	-1.142E+00	-1.391E-01	-1.347E-02	-5.107E+04	-1.501E+04	1.655E+03	-1.389E-01	-1.142E+00	1.584E+00	-1.494E+04	-5.115E+04	1.525E+00
424	1	35968.23	-60.35	62.70	1	-1.431E+00	2.617E-02	9.695E-03	-3.532E+04	-1.244E+03	-7.494E+02	2.623E-02	-1.431E+00	1.564E+00	-1.228E+03	-3.533E+04	1.593E+00
424	2	35977.73	-100.58	62.70	1	-1.450E+00	1.088E-01	-3.951E-02	-2.281E+04	-3.391E+03	-7.970E+01	1.098E-01	-1.451E+00	1.596E+00	-3.391E+03	-2.281E+04	1.575E+00
424	3	35987.23	-60.35	62.70	1	-1.482E+00	4.874E-02	6.860E-03	-3.538E+04	-4.448E+02	2.593E+03	4.877E-02	-1.482E+00	1.566E+00	-2.534E+02	-3.557E+04	1.497E+00
424	4	35977.73	-20.12	62.70	1	-1.462E+00	-3.388E-02	5.607E-02	-4.798E+04	7.195E+02	4.661E+02	-3.168E-02	-1.465E+00	1.532E+00	7.239E+02	-4.798E+04	1.561E+00
425	1	35776.73	60.35	62.70	1	-1.438E+00	4.579E-02	3.483E-03	-3.539E+04	-4.480E+02	2.587E+03	4.580E-02	-1.438E+00	1.568E+00	-2.574E+02	-3.558E+04	1.497E+00
425	2	35786.23	20.12	62.70	1	-1.422E+00	-3.422E-02	4.552E-02	-4.798E+04	7.164E+02	4.646E+02	-3.273E-02	-1.424E+00	1.538E+00	7.209E+02	-4.799E+04	1.561E+00

425	3	35795.73	60.35	62.70	1	-1.395E+00	2.660E-02	6.282E-03	-3.533E+04	-1.244E+03	-7.532E+02	2.663E-02	-1.395E+00	1.566E+00	-1.227E+03	-3.535E+04	1.593E+00
425	4	35786.23	100.58	62.70	1	-1.410E+00	1.066E-01	-3.575E-02	-2.283E+04	-3.391E+03	-8.004E+01	1.075E-01	-1.411E+00	1.594E+00	-3.391E+03	-2.283E+04	1.575E+00
426	1	35814.07	60.35	62.70	1	-1.395E+00	2.781E-02	-1.510E-01	-3.621E+04	-3.466E+03	-1.242E+03	4.367E-02	-1.411E+00	1.675E+00	-3.419E+03	-3.626E+04	1.609E+00
426	2	35841.23	20.12	62.70	1	-1.124E+00	-1.396E-01	-2.140E-02	-5.107E+04	-1.501E+04	1.654E+03	-1.392E-01	-1.124E+00	1.593E+00	-1.494E+04	-5.115E+04	1.525E+00
426	3	35868.40	60.35	62.70	1	-8.757E-01	-1.578E-01	-1.666E-01	-3.467E+04	-1.874E+04	-1.243E+03	-1.210E-01	-9.125E-01	1.788E+00	-1.865E+04	-3.476E+04	1.648E+00
426	4	35841.23	100.58	62.70	1	-1.147E+00	9.664E-03	-2.962E-01	-1.752E+04	-1.414E+04	-1.876E+03	8.114E-02	-1.218E+00	1.808E+00	-1.331E+04	-1.836E+04	1.990E+00
427	1	35895.57	60.35	62.70	1	-8.764E-01	-1.628E-01	1.679E-01	-3.467E+04	-1.875E+04	-1.247E+03	-1.253E-01	-9.139E-01	1.351E+00	-1.865E+04	-3.477E+04	1.648E+00
427	2	35922.73	20.12	62.70	1	-1.142E+00	-1.391E-01	1.347E-02	-5.107E+04	-1.501E+04	1.655E+03	-1.389E-01	-1.142E+00	1.557E+00	-1.494E+04	-5.115E+04	1.525E+00
427	3	35949.90	60.35	62.70	1	-1.430E+00	3.511E-02	1.522E-01	-3.620E+04	-3.460E+03	1.245E+03	5.075E-02	-1.446E+00	1.468E+00	-3.413E+03	-3.624E+04	1.533E+00
427	4	35922.73	100.58	62.70	1	-1.165E+00	1.146E-02	3.066E-01	-1.751E+04	-1.414E+04	1.866E+03	8.655E-02	-1.240E+00	1.331E+00	-1.331E+04	-1.834E+04	1.153E+00
428	1	35968.23	60.35	62.70	1	-1.431E+00	2.617E-02	-9.695E-03	-3.532E+04	-1.244E+03	7.494E+02	2.623E-02	-1.431E+00	1.577E+00	-1.228E+03	-3.533E+04	1.549E+00
428	2	35977.73	20.12	62.70	1	-1.462E+00	-3.388E-02	-5.607E-02	-4.798E+04	7.195E+02	4.661E+02	-3.168E-02	-1.465E+00	1.610E+00	7.239E+02	-4.798E+04	1.561E+00
428	3	35987.23	60.35	62.70	1	-1.482E+00	4.874E-02	-6.860E-03	-3.538E+04	-4.448E+02	-2.593E+03	4.877E-02	-1.482E+00	1.575E+00	-2.534E+02	-3.557E+04	1.644E+00
428	4	35977.73	100.58	62.70	1	-1.450E+00	1.088E-01	3.951E-02	-2.281E+04	-3.391E+03	7.970E+01	1.098E-01	-1.451E+00	1.545E+00	-3.391E+03	-2.281E+04	1.567E+00
429	1	35786.23	125.95	62.70	1	-3.504E-02	-2.355E+00	-1.367E-01	1.829E+03	-1.055E+04	2.007E+02	-2.701E-02	-2.363E+00	-5.868E-02	1.832E+03	-1.055E+04	1.621E-02
429	2	35795.73	136.45	62.70	1	2.597E-01	-3.263E+00	-4.248E-01	3.700E+03	-3.862E+03	9.655E+02	3.102E-01	-3.313E+00	-1.183E-01	3.821E+03	-3.983E+03	1.250E-01
429	3	35786.23	146.95	62.70	1	2.192E-02	-2.369E+00	-7.252E-01	2.059E+03	1.469E+03	9.456E+02	2.247E-01	-2.571E+00	-2.727E-01	2.754E+03	7.734E+02	6.344E-01
429	4	35776.73	136.45	62.70	1	-2.728E-01	-1.461E+00	-4.372E-01	4.716E+02	-5.435E+03	1.495E+03	-1.292E-01	-1.604E+00	-3.173E-01	8.284E+02	-5.792E+03	2.343E-01
430	1	35841.23	125.95	62.70	1	-5.663E-02	-1.589E+00	6.202E-01	-3.920E+03	-8.032E+03	1.769E+03	1.629E-01	-1.808E+00	3.403E-01	-3.263E+03	-8.688E+03	3.552E-01
430	2	35868.40	136.45	62.70	1	-2.894E-02	1.058E-01	6.495E-01	-7.050E+03	-6.363E+03	5.754E+02	6.914E-01	-6.145E-01	8.371E-01	-6.036E+03	-7.377E+03	1.055E+00
430	3	35841.23	146.95	62.70	1	-2.842E-03	-1.612E+00	6.196E-01	-3.709E+03	-2.014E+03	1.121E+03	2.081E-01	-1.823E+00	3.282E-01	-1.456E+03	-4.266E+03	1.109E+00
430	4	35814.07	136.45	62.70	1	-3.053E-02	-3.306E+00	5.903E-01	-5.792E+02	-5.545E+03	1.831E+03	7.260E-02	-3.409E+00	1.730E-01	2.292E+01	-6.147E+03	3.177E-01
431	1	35922.73	125.95	62.70	1	-5.784E-02	-1.627E+00	-6.254E-01	-3.917E+03	-8.013E+03	-1.763E+03	1.610E-01	-1.846E+00	-3.365E-01	-3.263E+03	-8.668E+03	-3.554E-01
431	2	35949.90	136.45	62.70	1	-3.350E-02	-3.380E+00	-5.974E-01	-5.746E+02	-5.501E+03	-1.824E+03	6.995E-02	-3.484E+00	-1.715E-01	2.729E+01	-6.103E+03	-3.187E-01
431	3	35922.73	146.95	62.70	1	-7.542E-03	-1.648E+00	-6.248E-01	-3.709E+03	-1.994E+03	-1.105E+03	2.033E-01	-1.859E+00	-3.255E-01	-1.453E+03	-4.250E+03	2.026E+00
431	4	35895.57	136.45	62.70	1	-3.188E-02	1.054E-01	-6.528E-01	-7.052E+03	-6.361E+03	5.636E+02	6.931E-01	-6.196E-01	2.304E+00	-6.046E+03	-7.368E+03	1.060E+00
432	1	35977.73	125.95	62.70	1	-3.557E-02	-2.413E+00	1.466E-01	1.836E+03	-1.051E+04	-1.964E+02	-2.656E-02	-2.422E+00	6.137E-02	1.839E+03	-1.052E+04	-1.590E-02
432	2	35987.23	136.45	62.70	1	-2.786E-01	-1.503E+00	4.520E-01	4.674E+02	-5.403E+03	-1.490E+03	-1.298E-01	-1.652E+00	3.180E-01	8.238E+02	-5.759E+03	-2.348E-01
432	3	35977.73	146.95	62.70	1	1.989E-02	-2.426E+00	7.452E-01	2.061E+03	1.507E+03	-9.483E+02	2.291E-01	-2.635E+00	2.736E-01	2.772E+03	7.963E+02	-6.433E-01
432	4	35968.23	136.45	62.70	1	2.630E-01	-3.336E+00	4.398E-01	3.708E+03	-3.817E+03	-9.579E+02	3.159E-01	-3.389E+00	1.199E-01	3.828E+03	-3.937E+03	-1.247E-01
433	1	35786.23	157.45	62.70	1	3.347E-01	-2.834E-01	-8.070E-01	2.538E+03	2.173E+03	1.491E+03	8.898E-01	-8.385E-01	-6.025E-01	3.857E+03	8.530E+02	7.245E-01
433	2	35795.73	167.95	62.70	1	-4.097E-01	5.549E-01	-6.928E-01	3.284E+03	1.275E+03	6.994E+02	9.167E-01	-7.715E-01	2.052E+00	3.503E+03	1.055E+03	3.041E-01
433	3	35786.23	178.45	62.70	1	-7.352E-01	-2.426E-02	-3.441E-01	1.618E+03	3.920E+02	9.816E+02	1.150E-01	-8.744E-01	1.955E+00	2.162E+03	-1.522E+02	5.062E-01
433	4	35776.73	167.95	62.70	1	9.201E-03	-8.626E-01	-4.583E-01	3.708E+02	1.672E+03	1.082E+03	2.058E-01	-1.059E+00	-4.052E-01	2.284E+03	-2.413E+02	1.056E+00
434	1	35841.23	157.45	62.70	1	2.561E-01	1.145E-01	6.651E-01	-3.452E+03	-6.672E+02	7.835E+02	8.541E-01	-4.836E-01	7.324E-01	-4.619E+02	-3.657E+03	1.315E+00
434	2	35868.40	167.95	62.70	1	4.007E-01	-5.707E-01	8.246E-01	-7.299E+03	-8.731E+02	8.684E+01	8.720E-01	-1.042E+00	5.192E-01	-8.719E+02	-7.300E+03	1.557E+00
434	3	35841.23	178.45	62.70	1	5.459E-01	-8.702E-03	6.653E-01	-3.495E+03	-2.201E+02	1.185E+02	9.894E-01	-4.522E-01	5.880E-01	-2.158E+02	-3.499E+03	1.535E+00
434	4	35814.07	167.95	62.70	1	4.013E-01	6.765E-01	5.058E-01	3.518E+02	-3.346E+02	2.835E+02	1.063E+00	1.470E-02	9.182E-01	4.537E+02	-4.366E+02	3.452E-01
435	1	35922.73	157.45	62.70	1	2.572E-01	1.165E-01	-6.700E-01	-3.456E+03	-6.733E+02	-7.649E+02	8.604E-01	-4.868E-01	-7.331E-01	-4.770E+02	-3.653E+03	1.822E+00
435	2	35949.90	167.95	62.70	1	3.977E-01	6.849E-01	-5.158E-01	3.390E+02	-3.457E+02	-2.727E+02	1.077E+00	5.858E-03	2.220E+00	4.344E+02	-4.410E+02	-3.363E-01
435	3	35922.73	178.45	62.70	1	5.376E-01	-2.782E-03	-6.702E-01	-3.502E+03	-2.250E+02	-1.030E+02	9.900E-01	-4.552E-01	-5.938E-01	-2.218E+02	-3.506E+03	1.602E+00
435	4	35895.57	167.95	62.70	1	3.971E-01	-5.713E-01	-8.243E-01	-7.298E+03	-8.752E+02	7.021E+01	8.689E-01	-1.043E+00	-5.199E-01	-8.744E+02	-7.299E+03	1.560E+00
436	1	35977.73	157.45	62.70	1	3.400E-01	-2.923E-01	8.254E-01	2.532E+03	2.164E+03	-1.494E+03	9.077E-01	-8.600E-01	6.025E-01	3.853E+03	8.426E+02	-7.240E-01

436	2	35987.23	167.95	62.70	1	7.325E-03	-8.823E-01	4.698E-01	3.728E+02	1.672E+03	-1.078E+03	2.095E-01	-1.084E+00	4.063E-01	2.282E+03	-2.365E+02	2.085E+00
436	3	35977.73	178.45	62.70	1	-7.522E-01	-2.768E-02	3.535E-01	1.604E+03	3.896E+02	-9.777E+02	1.162E-01	-8.961E-01	1.184E+00	2.148E+03	-1.541E+02	-5.075E-01
436	4	35968.23	167.95	62.70	1	-4.196E-01	5.623E-01	7.091E-01	3.265E+03	1.261E+03	-6.908E+02	9.339E-01	-7.911E-01	1.088E+00	3.480E+03	1.046E+03	-3.019E-01
437	1	38339.73	-167.95	65.25	1	-7.583E-08	-5.055E-07	-1.665E-16	1.587E+03	3.043E+02	1.098E+03	-7.583E-08	-5.055E-07	-3.876E-10	2.218E+03	-3.262E+02	5.211E-01
437	2	38349.23	-178.45	65.25	1	-4.857E-17	-4.857E-17	1.944E-07	4.482E+02	1.799E+03	1.015E+03	1.944E-07	-1.944E-07	7.854E-01	2.343E+03	-9.608E+01	1.079E+00
437	3	38358.73	-167.95	65.25	1	7.583E-08	5.055E-07	2.370E-14	1.507E+03	3.593E+03	7.621E+02	5.055E-07	7.583E-08	1.571E+00	3.842E+03	1.259E+03	1.255E+00
437	4	38349.23	-157.45	65.25	1	1.055E-15	1.055E-15	-1.944E-07	2.241E+03	2.630E+03	1.351E+03	1.944E-07	-1.944E-07	-7.854E-01	3.800E+03	1.071E+03	8.569E-01
438	1	38377.06	-167.95	65.25	1	-2.652E-08	-1.768E-07	2.914E-16	-1.658E+02	5.826E+02	3.706E+02	-2.652E-08	-1.768E-07	1.940E-09	7.351E+02	-3.183E+02	1.180E+00
438	2	38404.23	-178.45	65.25	1	1.568E-15	1.568E-15	1.944E-07	-2.555E+02	-3.499E+03	2.401E+02	1.944E-07	-1.944E-07	7.854E-01	-2.378E+02	-3.517E+03	7.347E-02
438	3	38431.40	-167.95	65.25	1	2.652E-08	1.768E-07	6.259E-15	-1.102E+03	-7.515E+03	-1.374E+02	1.768E-07	2.652E-08	1.571E+00	-1.099E+03	-7.518E+03	-2.141E-02
438	4	38404.23	-157.45	65.25	1	1.291E-15	1.291E-15	-1.944E-07	-6.836E+02	-3.433E+03	1.030E+03	1.944E-07	-1.944E-07	-7.854E-01	-3.403E+02	-3.776E+03	3.216E-01
439	1	38458.57	-167.95	65.25	1	-2.652E-08	-1.768E-07	9.645E-16	-1.102E+03	-7.515E+03	-1.374E+02	-2.652E-08	-1.768E-07	6.419E-09	-1.099E+03	-7.518E+03	-2.141E-02
439	2	38485.73	-178.45	65.25	1	1.148E-15	1.148E-15	1.944E-07	-2.555E+02	-3.499E+03	-2.401E+02	1.944E-07	-1.944E-07	7.854E-01	-2.378E+02	-3.517E+03	-7.347E-02
439	3	38512.90	-167.95	65.25	1	2.652E-08	1.768E-07	7.196E-15	-1.658E+02	5.826E+02	-3.706E+02	1.768E-07	2.652E-08	1.571E+00	7.351E+02	-3.183E+02	1.961E+00
439	4	38485.73	-157.45	65.25	1	1.804E-16	1.804E-16	-1.944E-07	-6.836E+02	-3.433E+03	-1.030E+03	1.944E-07	-1.944E-07	-7.854E-01	-3.403E+02	-3.776E+03	-3.216E-01
440	1	38531.23	-167.95	65.25	1	-7.583E-08	-5.055E-07	3.886E-16	1.507E+03	3.593E+03	-7.621E+02	-7.583E-08	-5.055E-07	9.044E-10	3.842E+03	1.259E+03	1.886E+00
440	2	38540.73	-178.45	65.25	1	-2.665E-15	-2.665E-15	1.944E-07	4.482E+02	1.799E+03	-1.015E+03	1.944E-07	-1.944E-07	7.854E-01	2.343E+03	-9.608E+01	2.063E+00
440	3	38550.23	-167.95	65.25	1	7.583E-08	5.055E-07	2.148E-14	1.587E+03	3.043E+02	-1.098E+03	5.055E-07	7.583E-08	1.571E+00	2.218E+03	-3.262E+02	-5.211E-01
440	4	38540.73	-157.45	65.25	1	3.747E-16	3.747E-16	-1.944E-07	2.241E+03	2.630E+03	-1.351E+03	1.944E-07	-1.944E-07	-7.854E-01	3.800E+03	1.071E+03	2.285E+00
441	1	38349.23	-146.95	65.25	1	4.163E-16	1.998E-15	-1.944E-07	1.972E+03	5.302E+02	-8.100E+02	1.944E-07	-1.944E-07	-7.854E-01	2.336E+03	1.668E+02	-4.217E-01
441	2	38358.73	-136.45	65.25	1	5.055E-07	7.583E-08	-2.470E-14	3.502E+03	-5.016E+03	-1.027E+03	5.055E-07	7.583E-08	-5.749E-08	3.624E+03	-5.138E+03	-1.183E-01
441	3	38349.23	-125.95	65.25	1	-3.553E-15	-3.553E-15	1.944E-07	1.690E+03	-1.150E+04	-2.432E+02	1.944E-07	-1.944E-07	7.854E-01	1.695E+03	-1.150E+04	-1.843E-02
441	4	38339.73	-136.45	65.25	1	-5.055E-07	-7.583E-08	-5.321E-13	5.862E+02	-6.274E+03	-1.529E+03	-7.583E-08	-5.055E-07	1.571E+00	9.115E+02	-6.599E+03	-2.097E-01
442	1	38404.23	-146.95	65.25	1	6.661E-16	-1.277E-15	-1.944E-07	-3.792E+03	-2.690E+03	-1.338E+03	1.944E-07	-1.944E-07	-7.854E-01	-1.794E+03	-4.687E+03	2.161E+00
442	2	38431.40	-136.45	65.25	1	1.768E-07	2.652E-08	-6.051E-15	-7.045E+03	-6.750E+03	6.004E+02	1.768E-07	2.652E-08	-4.027E-08	-6.279E+03	-7.516E+03	9.055E-01
442	3	38404.23	-125.95	65.25	1	1.606E-15	1.606E-15	1.944E-07	-3.983E+03	-8.676E+03	-1.794E+03	1.944E-07	-1.944E-07	7.854E-01	-3.376E+03	-9.283E+03	-3.263E-01
442	4	38377.06	-136.45	65.25	1	-1.768E-07	-2.652E-08	-4.330E-15	-7.309E+02	-6.700E+03	-1.883E+03	-2.652E-08	-1.768E-07	1.571E+00	-1.868E+02	-7.244E+03	-2.814E-01
443	1	38485.73	-146.95	65.25	1	9.923E-16	-1.277E-15	-1.944E-07	-3.792E+03	-2.690E+03	1.338E+03	1.944E-07	-1.944E-07	-7.854E-01	-1.794E+03	-4.687E+03	9.807E-01
443	2	38512.90	-136.45	65.25	1	1.768E-07	2.652E-08	-6.883E-15	-7.309E+02	-6.700E+03	1.883E+03	1.768E-07	2.652E-08	-4.581E-08	-1.868E+02	-7.244E+03	2.814E-01
443	3	38485.73	-125.95	65.25	1	-6.835E-16	-6.835E-16	1.944E-07	-3.983E+03	-8.676E+03	1.794E+03	1.944E-07	-1.944E-07	7.854E-01	-3.376E+03	-9.283E+03	3.263E-01
443	4	38458.57	-136.45	65.25	1	-1.768E-07	-2.652E-08	-5.440E-15	-7.045E+03	-6.750E+03	6.004E+02	-2.652E-08	-1.768E-07	1.571E+00	-6.279E+03	-7.516E+03	9.055E-01
444	1	38540.73	-146.95	65.25	1	-4.302E-16	-7.661E-15	-1.944E-07	1.972E+03	5.302E+02	8.100E+02	1.944E-07	-1.944E-07	-7.854E-01	2.336E+03	1.668E+02	4.217E-01
444	2	38550.23	-136.45	65.25	1	5.055E-07	7.583E-08	-2.470E-14	5.862E+02	-6.274E+03	1.529E+03	5.055E-07	7.583E-08	-5.749E-08	9.115E+02	-6.599E+03	2.097E-01
444	3	38540.73	-125.95	65.25	1	-4.260E-15	-4.260E-15	1.944E-07	1.690E+03	-1.150E+04	2.432E+02	1.944E-07	-1.944E-07	7.854E-01	1.695E+03	-1.150E+04	1.843E-02
444	4	38531.23	-136.45	65.25	1	-5.055E-07	-7.583E-08	-2.470E-14	3.502E+03	-5.016E+03	1.027E+03	-7.583E-08	-5.055E-07	1.571E+00	3.624E+03	-5.138E+03	1.183E-01
445	1	38339.73	-60.35	65.25	1	-3.791E-08	-2.528E-07	3.275E-15	-3.617E+04	-4.673E+02	-2.566E+03	-3.791E-08	-2.528E-07	1.524E-08	-2.838E+02	-3.635E+04	1.642E+00
445	2	38349.23	-100.58	65.25	1	1.730E-15	1.730E-15	2.536E-08	-2.363E+04	-3.420E+03	1.077E+02	2.536E-08	-2.536E-08	7.854E-01	-3.420E+03	-2.364E+04	1.565E+00
445	3	38358.73	-60.35	65.25	1	3.791E-08	2.528E-07	2.470E-14	-3.610E+04	-1.242E+03	7.619E+02	2.528E-07	3.791E-08	1.571E+00	-1.226E+03	-3.611E+04	1.549E+00
445	4	38349.23	-20.12	65.25	1	2.899E-15	2.899E-15	-2.536E-08	-4.873E+04	7.093E+02	4.611E+02	2.536E-08	-2.536E-08	-7.854E-01	7.136E+02	-4.873E+04	1.561E+00
446	1	38377.06	-60.35	65.25	1	-1.326E-08	-8.839E-08	2.956E-15	-3.698E+04	-3.479E+03	1.249E+03	-1.326E-08	-8.839E-08	3.935E-08	-3.432E+03	-3.703E+04	1.534E+00
446	2	38404.23	-100.58	65.25	1	1.220E-15	1.220E-15	2.536E-08	-1.828E+04	-1.414E+04	1.871E+03	2.536E-08	-2.536E-08	7.854E-01	-1.342E+04	-1.900E+04	1.203E+00
446	3	38431.40	-60.35	65.25	1	1.326E-08	8.839E-08	6.183E-15	-3.542E+04	-1.863E+04	-1.257E+03	8.839E-08	1.326E-08	1.571E+00	-1.854E+04	-3.551E+04	1.645E+00
446	4	38404.23	-20.12	65.25	1	-1.002E-15	-1.002E-15	-2.536E-08	-5.181E+04	-1.499E+04	1.665E+03	2.536E-08	-2.536E-08	-7.854E-01	-1.492E+04	-5.189E+04	1.526E+00

447	1	38458.57	-60.35	65.25	1	-1.326E-08	-8.839E-08	4.559E-15	-3.542E+04	-1.863E+04	-1.257E+03	-1.326E-08	-8.839E-08	6.068E-08	-1.854E+04	-3.551E+04	1.645E+00
447	2	38485.73	-100.58	65.25	1	-1.900E-15	-1.900E-15	2.536E-08	-1.828E+04	-1.414E+04	-1.871E+03	2.536E-08	-2.536E-08	7.854E-01	-1.342E+04	-1.900E+04	1.938E+00
447	3	38512.90	-60.35	65.25	1	1.326E-08	8.839E-08	6.301E-15	-3.698E+04	-3.479E+03	-1.249E+03	8.839E-08	1.326E-08	1.571E+00	-3.432E+03	-3.703E+04	1.608E+00
447	4	38485.73	-20.12	65.25	1	1.023E-15	1.023E-15	-2.536E-08	-5.181E+04	-1.499E+04	-1.665E+03	2.536E-08	-2.536E-08	-7.854E-01	-1.492E+04	-5.189E+04	1.616E+00
448	1	38531.23	-60.35	65.25	1	-3.791E-08	-2.528E-07	1.665E-15	-3.610E+04	-1.242E+03	-7.619E+02	-3.791E-08	-2.528E-07	7.752E-09	-1.226E+03	-3.611E+04	1.593E+00
448	2	38540.73	-100.58	65.25	1	-4.791E-15	-4.791E-15	2.536E-08	-2.363E+04	-3.420E+03	-1.077E+02	2.536E-08	-2.536E-08	7.854E-01	-3.420E+03	-2.364E+04	1.576E+00
448	3	38550.23	-60.35	65.25	1	3.791E-08	2.528E-07	2.515E-14	-3.617E+04	-4.673E+02	2.566E+03	2.528E-07	3.791E-08	1.571E+00	-2.838E+02	-3.635E+04	1.499E+00
448	4	38540.73	-20.12	65.25	1	-4.455E-15	-4.455E-15	-2.536E-08	-4.873E+04	7.093E+02	-4.611E+02	2.536E-08	-2.536E-08	-7.854E-01	7.136E+02	-4.873E+04	1.580E+00
449	1	38339.73	60.35	65.25	1	3.791E-08	2.528E-07	-2.054E-15	-3.617E+04	-4.673E+02	2.566E+03	2.528E-07	3.791E-08	1.571E+00	-2.838E+02	-3.635E+04	1.499E+00
449	2	38349.23	20.12	65.25	1	3.641E-15	3.641E-15	-2.536E-08	-4.873E+04	7.093E+02	4.611E+02	2.536E-08	-2.536E-08	-7.854E-01	7.136E+02	-4.873E+04	1.561E+00
449	3	38358.73	60.35	65.25	1	-3.791E-08	-2.528E-07	1.921E-14	-3.610E+04	-1.242E+03	-7.619E+02	-3.791E-08	-2.528E-07	8.940E-08	-1.226E+03	-3.611E+04	1.593E+00
449	4	38349.23	100.58	65.25	1	2.203E-16	2.203E-16	2.536E-08	-2.363E+04	-3.420E+03	-1.077E+02	2.536E-08	-2.536E-08	7.854E-01	-3.420E+03	-2.364E+04	1.576E+00
450	1	38377.06	60.35	65.25	1	1.326E-08	8.839E-08	-6.328E-15	-3.698E+04	-3.479E+03	-1.249E+03	8.839E-08	1.326E-08	1.571E+00	-3.432E+03	-3.703E+04	1.608E+00
450	2	38404.23	20.12	65.25	1	-3.187E-15	-3.187E-15	-2.536E-08	-5.181E+04	-1.499E+04	1.665E+03	2.536E-08	-2.536E-08	-7.854E-01	-1.492E+04	-5.189E+04	1.526E+00
450	3	38431.40	60.35	65.25	1	-1.326E-08	-8.839E-08	-3.594E-15	-3.542E+04	-1.863E+04	-1.257E+03	-1.326E-08	-8.839E-08	-4.784E-08	-1.854E+04	-3.551E+04	1.645E+00
450	4	38404.23	100.58	65.25	1	-2.098E-15	-2.098E-15	2.536E-08	-1.828E+04	-1.414E+04	-1.871E+03	2.536E-08	-2.536E-08	7.854E-01	-1.342E+04	-1.900E+04	1.938E+00
451	1	38458.57	60.35	65.25	1	1.326E-08	8.839E-08	-8.105E-15	-3.542E+04	-1.863E+04	-1.257E+03	8.839E-08	1.326E-08	1.571E+00	-1.854E+04	-3.551E+04	1.645E+00
451	2	38485.73	20.12	65.25	1	1.625E-15	1.625E-15	-2.536E-08	-5.181E+04	-1.499E+04	-1.665E+03	2.536E-08	-2.536E-08	-7.854E-01	-1.492E+04	-5.189E+04	1.616E+00
451	3	38512.90	60.35	65.25	1	-1.326E-08	-8.839E-08	-5.683E-15	-3.698E+04	-3.479E+03	1.249E+03	-1.326E-08	-8.839E-08	-7.564E-08	-3.432E+03	-3.703E+04	1.534E+00
451	4	38485.73	100.58	65.25	1	1.634E-15	1.634E-15	2.536E-08	-1.828E+04	-1.414E+04	1.871E+03	2.536E-08	-2.536E-08	7.854E-01	-1.342E+04	-1.900E+04	1.203E+00
452	1	38531.23	60.35	65.25	1	3.791E-08	2.528E-07	-3.275E-15	-3.610E+04	-1.242E+03	7.619E+02	2.528E-07	3.791E-08	1.571E+00	-1.226E+03	-3.611E+04	1.549E+00
452	2	38540.73	20.12	65.25	1	-9.489E-16	-9.489E-16	-2.536E-08	-4.873E+04	7.093E+02	-4.611E+02	2.536E-08	-2.536E-08	-7.854E-01	7.136E+02	-4.873E+04	1.580E+00
452	3	38550.23	60.35	65.25	1	-3.791E-08	-2.528E-07	2.193E-14	-3.617E+04	-4.673E+02	-2.566E+03	-3.791E-08	-2.528E-07	1.021E-07	-2.838E+02	-3.635E+04	1.642E+00
452	4	38540.73	100.58	65.25	1	6.418E-16	6.418E-16	2.536E-08	-2.363E+04	-3.420E+03	1.077E+02	2.536E-08	-2.536E-08	7.854E-01	-3.420E+03	-2.364E+04	1.565E+00
453	1	38349.23	125.95	65.25	1	-6.925E-15	1.110E-16	1.944E-07	1.690E+03	-1.150E+04	2.432E+02	1.944E-07	-1.944E-07	7.854E-01	1.695E+03	-1.150E+04	1.843E-02
453	2	38358.73	136.45	65.25	1	-5.055E-07	-7.583E-08	-2.592E-14	3.502E+03	-5.016E+03	1.027E+03	-7.583E-08	-5.055E-07	1.571E+00	3.624E+03	-5.138E+03	1.183E-01
453	3	38349.23	146.95	65.25	1	-7.355E-16	-7.355E-16	-1.944E-07	1.972E+03	5.302E+02	8.100E+02	1.944E-07	-1.944E-07	-7.854E-01	2.336E+03	1.668E+02	4.217E-01
453	4	38339.73	136.45	65.25	1	5.055E-07	7.583E-08	-5.375E-13	5.862E+02	-6.274E+03	1.529E+03	5.055E-07	7.583E-08	-1.251E-06	9.115E+02	-6.599E+03	2.097E-01
454	1	38404.23	125.95	65.25	1	-4.309E-15	-8.105E-15	1.944E-07	-3.983E+03	-8.676E+03	1.794E+03	1.944E-07	-1.944E-07	7.854E-01	-3.376E+03	-9.283E+03	3.263E-01
454	2	38431.40	136.45	65.25	1	-1.768E-07	-2.652E-08	-1.381E-15	-7.045E+03	-6.750E+03	6.004E+02	-2.652E-08	-1.768E-07	1.571E+00	-6.279E+03	-7.516E+03	9.055E-01
454	3	38404.23	146.95	65.25	1	-5.378E-15	-5.378E-15	-1.944E-07	-3.792E+03	-2.690E+03	1.338E+03	1.944E-07	-1.944E-07	-7.854E-01	-1.794E+03	-4.687E+03	9.807E-01
454	4	38377.06	136.45	65.25	1	1.768E-07	2.652E-08	1.478E-15	-7.309E+02	-6.700E+03	1.883E+03	1.768E-07	2.652E-08	9.837E-09	-1.868E+02	-7.244E+03	2.814E-01
455	1	38485.73	125.95	65.25	1	5.072E-15	-2.942E-15	1.944E-07	-3.983E+03	-8.676E+03	-1.794E+03	1.944E-07	-1.944E-07	7.854E-01	-3.376E+03	-9.283E+03	-3.263E-01
455	2	38512.90	136.45	65.25	1	-1.768E-07	-2.652E-08	4.635E-15	-7.309E+02	-6.700E+03	-1.883E+03	-2.652E-08	-1.768E-07	1.571E+00	-1.868E+02	-7.244E+03	-2.814E-01
455	3	38485.73	146.95	65.25	1	8.257E-16	8.257E-16	-1.944E-07	-3.792E+03	-2.690E+03	-1.338E+03	1.944E-07	-1.944E-07	-7.854E-01	-1.794E+03	-4.687E+03	2.161E+00
455	4	38458.57	136.45	65.25	1	1.768E-07	2.652E-08	5.329E-15	-7.045E+03	-6.750E+03	6.004E+02	1.768E-07	2.652E-08	3.547E-08	-6.279E+03	-7.516E+03	9.055E-01
456	1	38540.73	125.95	65.25	1	8.701E-15	1.921E-14	1.944E-07	1.690E+03	-1.150E+04	-2.432E+02	1.944E-07	-1.944E-07	7.854E-01	1.695E+03	-1.150E+04	-1.843E-02
456	2	38550.23	136.45	65.25	1	-5.055E-07	-7.583E-08	-1.948E-14	5.862E+02	-6.274E+03	-1.529E+03	-7.583E-08	-5.055E-07	1.571E+00	9.115E+02	-6.599E+03	-2.097E-01
456	3	38540.73	146.95	65.25	1	1.240E-14	1.240E-14	-1.944E-07	1.972E+03	5.302E+02	-8.100E+02	1.944E-07	-1.944E-07	-7.854E-01	2.336E+03	1.668E+02	-4.217E-01
456	4	38531.23	136.45	65.25	1	5.055E-07	7.583E-08	-1.987E-14	3.502E+03	-5.016E+03	-1.027E+03	5.055E-07	7.583E-08	-4.625E-08	3.624E+03	-5.138E+03	-1.183E-01
457	1	38349.23	157.45	65.25	1	5.218E-15	-1.332E-15	1.944E-07	2.630E+03	2.241E+03	1.351E+03	1.944E-07	-1.944E-07	7.854E-01	3.800E+03	1.071E+03	7.139E-01
457	2	38358.73	167.95	65.25	1	-5.055E-07	-7.583E-08	-2.393E-14	3.593E+03	1.507E+03	7.621E+02	-7.583E-08	-5.055E-07	1.571E+00	3.842E+03	1.259E+03	3.155E-01
457	3	38349.23	178.45	65.25	1	-2.047E-15	-2.047E-15	-1.944E-07	1.799E+03	4.482E+02	1.015E+03	1.944E-07	-1.944E-07	-7.854E-01	2.343E+03	-9.608E+01	4.920E-01

457	4	38339.73	167.95	65.25	1	5.055E-07	7.583E-08	-5.356E-13	3.043E+02	1.587E+03	1.098E+03	5.055E-07	7.583E-08	-1.246E-06	2.218E+03	-3.262E+02	1.050E+00
458	1	38404.23	157.45	65.25	1	-6.432E-15	-6.051E-15	1.944E-07	-3.433E+03	-6.836E+02	1.030E+03	1.944E-07	-1.944E-07	7.854E-01	-3.403E+02	-3.776E+03	1.249E+00
458	2	38431.40	167.95	65.25	1	-1.768E-07	-2.652E-08	-3.164E-15	-7.515E+03	-1.102E+03	1.374E+02	-2.652E-08	-1.768E-07	1.571E+00	-1.099E+03	-7.518E+03	1.549E+00
458	3	38404.23	178.45	65.25	1	-7.390E-15	-7.390E-15	-1.944E-07	-3.499E+03	-2.555E+02	2.401E+02	1.944E-07	-1.944E-07	-7.854E-01	-2.378E+02	-3.517E+03	1.497E+00
458	4	38377.06	167.95	65.25	1	1.768E-07	2.652E-08	-2.026E-15	5.826E+02	-1.658E+02	3.706E+02	1.768E-07	2.652E-08	-1.348E-08	7.351E+02	-3.183E+02	3.903E-01
459	1	38485.73	157.45	65.25	1	5.232E-15	-1.832E-15	1.944E-07	-3.433E+03	-6.836E+02	-1.030E+03	1.944E-07	-1.944E-07	7.854E-01	-3.403E+02	-3.776E+03	1.892E+00
459	2	38512.90	167.95	65.25	1	-1.768E-07	-2.652E-08	-8.639E-15	5.826E+02	-1.658E+02	-3.706E+02	-2.652E-08	-1.768E-07	1.571E+00	7.351E+02	-3.183E+02	-3.903E-01
459	3	38485.73	178.45	65.25	1	-2.959E-15	-2.959E-15	-1.944E-07	-3.499E+03	-2.555E+02	-2.401E+02	1.944E-07	-1.944E-07	-7.854E-01	-2.378E+02	-3.517E+03	1.644E+00
459	4	38458.57	167.95	65.25	1	1.768E-07	2.652E-08	6.752E-15	-7.515E+03	-1.102E+03	1.374E+02	1.768E-07	2.652E-08	4.493E-08	-1.099E+03	-7.518E+03	1.549E+00
460	1	38540.73	157.45	65.25	1	1.416E-15	-2.143E-14	1.944E-07	2.630E+03	2.241E+03	-1.351E+03	1.944E-07	-1.944E-07	7.854E-01	3.800E+03	1.071E+03	-7.139E-01
460	2	38550.23	167.95	65.25	1	-5.055E-07	-7.583E-08	-4.857E-14	3.043E+02	1.587E+03	-1.098E+03	-7.583E-08	-5.055E-07	1.571E+00	2.218E+03	-3.262E+02	2.092E+00
460	3	38540.73	178.45	65.25	1	-1.454E-14	-1.454E-14	-1.944E-07	1.799E+03	4.482E+02	-1.015E+03	1.944E-07	-1.944E-07	-7.854E-01	2.343E+03	-9.608E+01	-4.920E-01
460	4	38531.23	167.95	65.25	1	5.055E-07	7.583E-08	-4.802E-14	3.593E+03	1.507E+03	-7.621E+02	5.055E-07	7.583E-08	-1.118E-07	3.842E+03	1.259E+03	-3.155E-01

