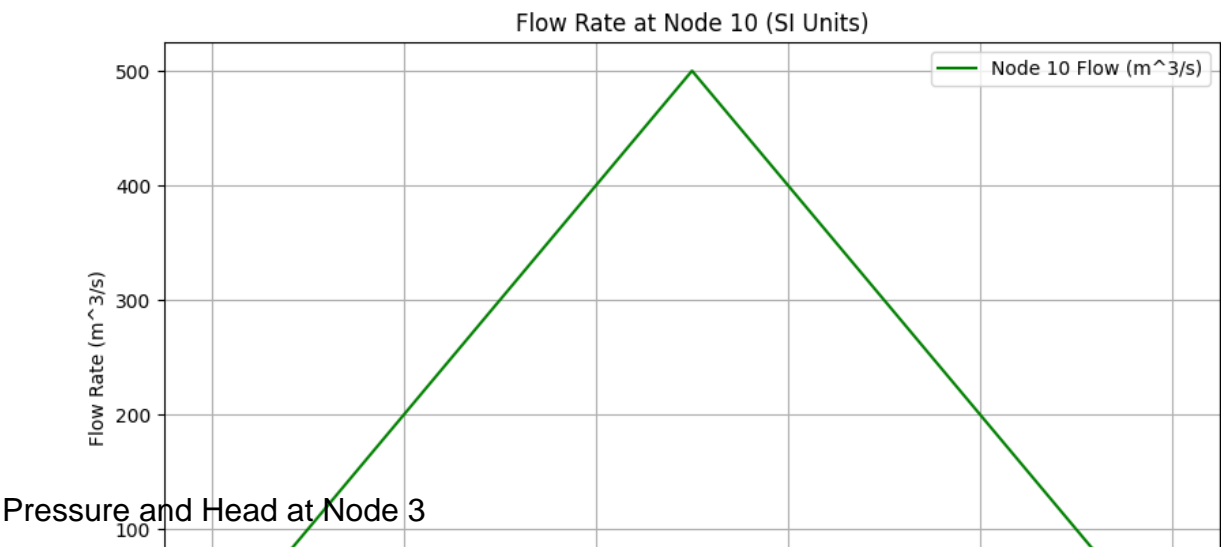
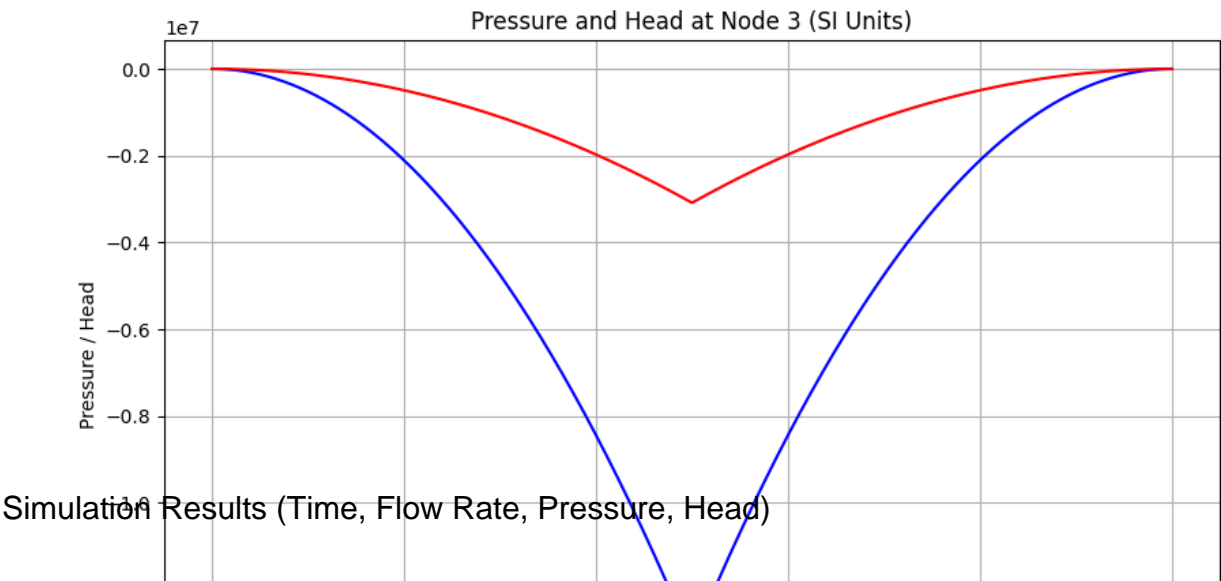


Network Simulation Report

Flow Rate at Node 10



Pressure and Head at Node 3



Simulation Results (Time, Flow Rate, Pressure, Head)

0.0	0.0	540.0	2308.905711680256	540.0
0.1	0.2	461.7253772085234	2308.7939879558076	539.5061163366553
0.2	0.4	226.901508834094	2300.4588167824613	538.0244653466211
0.30000000000000004	0.6	-164.47160512328872	2289.900198160218	535.5550470298973
0.4	0.8	-712.3939646636247	2275.1181320890782	532.0978613864842
0.5	1.0	-1416.8655697869132	2256.1126185690405	527.6529084163814
0.6000000000000001	1.2	-2277.886420493155	2232.883657600106	522.2201881195891

0.7000000000000000	1.4000000000000000	13295.456516782350	2205.431249182273	515.7997004961074
0.8	1.6	-4469.575858654499	2173.755393315544	608.3914455459362
0.9	1.8	-5800.244446109601	2137.856089999918	499.9954232690755
1.0	2.0	-7287.462279147654	2097.733339235394	490.6116336655254
1.1	2.2	-8931.229357768663	2053.387141021973	480.2400767352857
1.2000000000000000	2.4	-10731.54568197262	2004.817495359655	468.8807524783566
1.3	2.6	-12688.41125175953	1952.024402248439	456.5336608947379
1.4000000000000000	2.8000000000000000	314801.82606712940	5895.007861688327	443.1988019844298
1.5	3.0	-17071.79012808222	1833.767873679317	3428.8761757474321
1.6	3.2	-19498.30343461799	16768.304438221409	8413.5657821837449
1.7000000000000000	3.4	-22081.36598673672	14698.617555314605	4397.2676212933683
1.8	3.6	-24820.9777844384	1624.707224958903	7379.9816930763022
1.9000000000000000	3.8000000000000000	327717.13882772303	3546.573447154305	361.7079975325466
2.0	4.0	-30769.84911659061	16464.216221900809	342.4465346621015
2.1	4.2	-33979.10865104115	1377.635549198415	4322.1973044649668
2.2	4.4	-37344.91743107465	1286.831429047124	300.9603069411427
2.3000000000000000	4.6000000000000000	540867.27545669109	1191.803861446937	2278.7355420906291
2.4000000000000000	4.8	-44546.18272789047	5092.552846397852	6255.5230099134262
2.5	5.0	-48381.63924467285	5989.0783838998697	231.3227104095335
2.6	5.2	-52373.64500703814	4881.3804739529901	206.1346435789514
2.7	5.4	-56522.2000149864	769.4591165572134	179.9588094216798
2.8000000000000000	5.6000000000000000	560827.30426851761	1653.3143117125395	152.7952079377188
2.9000000000000000	5.8	-65288.95776763179	532.9460594189685	124.6438391270683
3.0	6.0	-69907.16051232889	9408.3543596765002	95.50470298972832
3.1	6.2	-74681.91250260895	5279.5392124851348	465.37779952569886
3.2	6.4	-79613.21373847198	146.5006178448711	64.26312873497965
3.3000000000000000	6.6000000000000000	584701.06421991796	9238575755711109	2.160690617571163

3.4000000000000000	6.8	-89945.4639469469	-132.24691378234604	-40.92951482652678
3.5	7.0	-95346.41291955873	-277.9558507693001	-65.00748759731417
3.6	7.2	-100903.9111377536	-427.88823520515285	-100.0732276947913
3.7	7.4000000000000001	-106617.95860153143	-582.0440670899028	-136.1267351189580
3.8000000000000000	7.6000000000000005	112488.55531089213	740.4233464235481	-173.1680098698137
3.9000000000000000	7.799999999999999	-118515.7012658358	-903.0260732060904	-211.1970519473589
4.0	8.0	-124699.39646636248	-1069.8522474375325	-250.2138613515942
4.1000000000000000	8.2	-131039.640912472	-1240.9018691178694	-290.2184380825184
4.2	8.4	-137536.43460416462	-2416.174938247106	-331.2107821401326
4.3	8.6	-144189.77754144007	-595.671454825237	-373.1908935244358
4.4	8.8	-150999.6697242986	-1779.3914188522683	-416.1587722354290
4.5	9.0	-157966.11115274002	-2967.3348303281955	-460.1144182731116
4.6000000000000000	9.2000000000000001	-165089.10182676435	-52159.50168925302	-505.0578316374835
4.7	9.4	-172368.6417463717	-2355.891995626741	-550.9890123285448
4.8000000000000001	9.6	-179804.7309115619	-2556.5057494493576	-597.9079603462953
4.9	9.8	-187397.3693223351	-2761.3429507208753	-645.8146756907362
5.0	10.0	-195146.5569786914	-2970.4035994412893	-694.7091583618661
5.1000000000000000	10.2000000000000001	1203052.29388063055	5183.6876956105984	744.5914083596854
5.2	10.4	-211114.58002815256	-3401.195239228807	-795.4614256841944
5.3000000000000001	10.6	-219333.41542125758	-3622.9262302959105	-847.3192103353924
5.4	10.8	-227708.80005994558	-3848.8806688119143	-900.1647623132809
5.5	11.0	-236240.73394421648	-4079.0585547768123	-953.9980816178577
5.6000000000000000	11.2000000000000001	1244929.21707407045	4313.459888190609	-1008.819168249124
5.7	11.4	-253774.24944950736	-4552.084669053304	-1064.628022207081
5.8000000000000001	11.6	-262775.83107052714	-4794.932897364894	-1121.424643491727
5.9	11.8	-271933.96193712985	-5042.004573125382	-1179.209032103062
6.0	12.0	-281248.64204931556	-5293.299696334768	-1237.981188041086

[illegible]

8.8	17.6	-605618.6788971946	-14044.282810449842	2284.635088941716
8.9	17.8	-619473.2871312858	-14418.057909677247	3372.052497353736
9.0	18.0	-633484.4446109601	-14796.05645635355	3460.457673092446
9.1	18.2	-647652.151336217	-15178.278450478743	3549.850616157844
9.2000000000000001	18.400000000000000	2661976.4073070574	-15564.723892052849	3640.231326549934
9.3	18.6	-676457.2125234809	-15955.392781075847	3731.599804268714
9.4	18.8	-691094.5669854868	-16350.285117547732	3823.95604931418
9.5	19.0	-705888.470693076	-16749.40090146852	3917.300061686337
9.6000000000000001	19.2	-720838.9236462477	-17152.740132838197	4011.63184138518
9.7000000000000001	19.400000000000000	2735945.9258450029	-17560.30281165679	4106.951388410719
9.8	19.6	-751209.4772893407	-17972.08893792427	4203.258702762945
9.9	19.8	-766629.5779792614	-18388.09851164065	4300.55378444186
10.0	20.0	-782206.2279147656	-18808.331532805925	4398.836633447465
10.100000000000000	20.2	-797939.4270958522	-19232.78800142009	4498.107249779757
10.200000000000000	20.400000000000000	2813829.1755225222	-19661.46791748316	4598.36563343874
10.3	20.6	-829875.4731947748	-20094.371280995136	4699.611784424415
10.4	20.8	-846078.3201126104	-20531.498091955997	4801.845702736779
10.5	21.0	-862437.7162760289	-20972.848350365748	4905.067388375828
10.600000000000000	21.2	-878953.6616850303	-21418.422056224405	5009.27684134157
10.700000000000000	21.400000000000000	2895626.1563396152	-21868.21920953198	5114.474061634004
10.8	21.6	-912455.2002397823	-22322.23981028842	5220.659049253122
10.9	21.8	-929440.793385533	-22780.483858493775	5327.831804198933
11.0	22.0	-946582.9357768659	-23242.951354148016	5435.99232647143
11.100000000000000	22.2	-963881.6274137825	-23709.64229725116	5545.14061607062
11.200000000000000	22.400000000000000	2981336.8682962818	-24180.556687803204	5655.2766729965
11.3	22.6	-998948.658424364	-24655.694525804145	5766.400497249067
11.4	22.8	-1016716.9977980294	-25135.055811253987	5878.512088828325

11.5	23.0	-1034641.886417277	-25618.64054415271	-5991.61144773427
11.600000000000000	23.2	-1052723.324282108	-26106.44872450034	-6105.69857396690
11.700000000000000	23.400000000000000	21070961.311392522	26598.48035229687	6220.773467526234
11.8	23.6	-1089355.847748519	-27094.7354275423	-6336.83612841224
11.9	23.8	-1107906.933350099	-27595.21395023661	-6453.88655662495
12.0	24.0	-1126614.568197262	-28099.91592037983	-6571.92475216434
12.100000000000000	24.2	-1145478.752290008	-28608.84133797195	-6690.95071503043
12.200000000000000	24.400000000000000	21164499.485628337	-29121.99020301297	-6810.96444522320
12.3	24.6	-1183676.768212248	-29639.36251550288	-6931.96594274266
12.4	24.8	-1203010.600041743	-30160.95827544168	-7053.95520758881
12.5	25.0	-1222500.981116821	-30686.77748282939	-7176.93223976166
12.600000000000000	25.2	-1242147.911437481	-31216.82013766599	-7300.89703926119
12.700000000000000	25.400000000000000	21261951.391003725	31751.0862399515	-7425.84960608741
12.8	25.6	-1281911.419815551	-32289.57578968590	-7551.78994024032
12.9	25.8	-1302027.997872961	-32832.28878686919	-7678.71804171992
13.0	26.0	-1322301.125175953	-33379.22523150139	-7806.63391052621
13.100000000000000	26.2	-1342730.801724529	-33930.38512358247	-7935.53754665919
13.200000000000000	26.400000000000000	21363317.027518687	34485.76846311246	-8065.42895011886
13.3	26.6	-1384059.802558428	-35045.37525009134	-8196.30812090521
13.4	26.8	-1404959.126843752	-35609.20548451912	-8328.17505901826
13.5	27.0	-1426015.000374660	-36177.2591663958	-8461.02976445800
13.600000000000000	27.2	-1447227.42315115	-36749.53629572137	-8594.87223722442
13.700000000000000	27.400000000000000	21468596.395173224	-37326.03687249585	-8729.70247731754
13.8	27.6	-1490121.916440879	-37906.76089671922	-8865.52048473735
13.9	27.8	-1511803.986954118	-38491.70836839149	-9002.32625948384
14.0	28.0	-1533642.606712939	-39080.87928751264	-9140.11980155702
14.100000000000000	28.2	-1555637.775717345	-39674.2736540827	-9278.90111095690

14.200000000000000	28.400000000000000	21577789.493967333	610271.89146810167	9418.670187683469
14.3	28.6	-1600097.761462904	-40873.73272956953	9559.42703173672
14.4	28.8	-1622562.578204057	911479.79743848628	-9701.171643116662
14.5	29.000000000000000	41645183.944190794	612090.08559485193	-9843.904021823293
14.600000000000000	29.199999999999999	61667961.859423113	812704.59719866646	9987.624167856611
14.700000000000000	29.400000000000000	21690896.323901017	-43323.33224992993	-10132.33208121662
14.8	29.600000000000000	51713987.337624502	413946.29074864228	510278.02776190332
14.9	29.799999999999999	71737234.900593570	444573.47269480349	510424.71120991671
15.0	30.0	-1760639.012808222	-45204.87808841363	610572.38242525679
15.100000000000000	30.2	-1784199.674268456	615840.50692947267	-10721.04140792356
15.200000000000000	30.400000000000000	21807916.884974273	916480.35921798061	510870.68815791702
15.3	30.6	-1831790.644925674	447124.43495393744	-11021.32267523716
15.4	30.8	-1855820.954122657	747772.73413734317	-11172.94495988400
15.5	31.000000000000000	41880007.812565224	218425.25676819779	611325.55501185753
15.600000000000000	31.199999999999999	61904351.220253372	619082.00284650129	-11479.15283115774
15.700000000000000	31.400000000000000	61928851.177187106	-49742.97237225373	-11633.73841778463
15.8	31.599999999999999	81953507.683366420	750408.16534545502	-11789.31177173824
15.9	31.8	-1978320.738791318	51077.58176610523	511945.87289301853
16.0	32.0	-2003290.343461799	751751.22163420435	412103.42178162550
16.1	32.2	-2028416.497377863	552429.08494975237	-12261.95843755917
16.2	32.4	-2053699.200539511	-53111.17171274927	-12421.48286081952
16.3	32.6	-2079138.452946740	253797.48192319507	-12581.99505140656
16.400000000000000	32.8	-2104734.254599552	-54488.01558108975	612743.49500932029
16.5	33.0	-2130486.605497949	-55182.77268643335	-12905.98273456072
16.6	33.2	-2156395.505641928	455881.75323922586	-13069.45822712783
16.7	33.4	-2182460.955031488	656584.95723946724	-13233.92148702163
16.8	33.6	-2208682.953666634	-57292.38468715754	-13399.37251424212

16.900000000000000	33.8	-2235061.501547361	758004.03558229672	-13565.81130878930
17.0	34.0	-2261596.598673672	458719.90992488479	-13733.23787066317
17.1	34.2	-2288288.245045565	559440.007714921776	-13901.65219986372
17.2	34.4	-2315136.440663041	-60164.32895240764	-14071.05429639097
17.3	34.6	-2342141.185526102	-60892.873637342425	-14241.44416024491
17.400000000000000	34.800000000000000	42369302.479634744	-61625.641769726108	-14412.82179142554
17.5	35.0	-2396620.322988969	-62362.63334955865	-14585.18718993285
17.6	35.2	-2424094.715588778	-63103.84837684013	-14758.54035576686
17.7	35.4	-2451725.657434168	-63849.28685157047	-14932.88128892755
17.8	35.6	-2479513.148525143	-64598.948773749755	-15108.20998941494
17.900000000000000	35.800000000000000	42507457.188861700	-65352.83414337792	-15284.52645722902
18.0	36.0	-2535557.7784438403	-66110.94296045497	-15461.83069236978
18.1	36.2	-2563814.917271562	-66873.27522498091	-15640.12269483723
18.2	36.4	-2592228.605344868	-67639.83093695574	-15819.40246463137
18.3	36.6	-2620798.842663758	-68410.61009637952	-15999.67000175221
18.400000000000000	36.800000000000000	42649525.62922823	-69185.61270325216	-16180.92530619973
18.5	37.0	-2678408.965038284	-69964.83875757367	-16363.16837797394
18.6	37.2	-2707448.8500939235	-70748.28825934415	-16546.39921707485
18.7	37.4	-2736645.284395143	-71535.96120856346	-16730.61782350243
18.8	37.6	-2765998.267941947	-72327.8576052317	-16915.82419725672
18.900000000000000	37.800000000000000	42795507.800734333	-73123.97744934882	-17102.01833833768
19.0	38.0	-2825173.882772303	-73924.32074091486	-17289.20024674535
19.1	38.2	-2854996.514055856	-74728.88747992978	-17477.36992247969
19.200000000000000	38.4	-2884975.694584991	-75537.67766639355	-17666.52736554072
19.3	38.6	-2915111.424359710	-76350.69130030632	-17856.67257592846
19.400000000000000	38.800000000000000	42945403.703380011	-77167.92838166792	-18047.80555364287
19.5	39.0	-2975852.531645895	-77989.38891047842	-18239.92629868398



19.6	39.2	-3006457.909157362	278815.07288673785	-18433.03481105178
19.700000000000000	39.4	-3037219.835914413	479644.98031044615	-18627.13109074626
19.8	39.6	-3068138.311917046	680479.11118160335	-18822.21513776744
19.900000000000000	39.800000000000000	43099213.337165263	-81317.46550020947	-19018.28695211530
20.0	40.0	-3130444.911659062	-82160.04326626447	-19215.34653378986
20.1	40.2	-3161833.035398444	483006.84447976836	-19413.39388279110
20.200000000000000	40.4	-3193377.708383408	43857.86914072112	-19612.42899911902
20.3	40.6	-3225078.930613956	44713.1172491228	-19812.45188277365
20.400000000000000	40.800000000000000	43256936.702090088	35572.58880497342	-20013.46253375496
20.5	41.0	-3288951.022811802	-86436.28380827291	-20215.46095206296
20.6	41.2	-3321121.892779099	-87304.2022590213	-20418.44713769766
20.700000000000000	41.4	-3353449.311991977	58176.34415721854	-20622.42109065903
20.8	41.6	-3385933.280450441	49052.70950286475	-20827.38281094711
20.900000000000000	41.800000000000000	43418573.798154487	39933.29829595983	-21033.33229856187
21.0	42.0	-3451370.865104115	-90818.11053650377	-21240.26955350331
21.1	42.2	-3484324.481299328	-91707.14622449668	-21448.19457577146
21.200000000000000	42.4	-3517434.646740121	82600.40535993839	-21657.10736536627
21.3	42.6	-3550701.361426499	-93497.8879428291	-21867.0079222878
21.400000000000000	42.800000000000000	43584124.625358461	-94399.59397316868	-22077.89624653601
21.5	43.0	-3617704.438536003	-95305.52345095712	-22289.77233811091
21.6	43.2	-3651440.80095913	-96215.67637619447	-22502.63619701249
21.700000000000000	43.4	-3685333.712627838	-97130.05274888068	-22716.48782324076
21.8	43.6	-3719383.173542131	-98048.65256901587	-22931.32721679573
21.900000000000000	43.800000000000000	43753589.183702007	-98971.47583659992	-23147.15437767738
22.0	44.0	-3787951.743107463	-99898.52255163284	-23363.96930588572
22.1	44.2	-3822470.851758507	5100829.7927141147	-23581.77200142076
22.200000000000000	44.4	-3857146.50965513	-101765.2863240454	-23800.56246428248

22.3	44.6	-3891978.716797337	-102705.00338142505	524020.34069447089
22.4000000000000000	44.8000000000000000	43926967.4731851276	6103648.94388625359	24241.106691986
22.5	45.0	-3962112.7788185	-104597.1078385310	224462.86045682778
22.6	45.2	-3997414.633697456	-105549.49523825735	24685.60198899626
22.7000000000000000	45.4	-4032873.0378219937	106506.10608543253	24909.33128849143
22.8	45.6	-4068487.991192118	-107466.9403800567	25134.0483553133
22.9000000000000000	45.8000000000000000	44104259.493807822	-108431.9981221297	25359.75318946185
23.0	46.0	-4140187.5456691086	109401.2793116516	-25586.44579093708
23.1	46.2	-4176272.1467759795	110374.7839486224	-25814.12615973900
23.2000000000000000	46.4	-4212513.297128434	-111352.5120330421	26042.79429586763
23.3	46.6	-4248910.99672647	-112334.46356491074	26272.45019932293
23.4000000000000000	46.8000000000000000	44285465.245570091	-113320.63854422826	26503.09387010493
23.5	47.0	-4322176.043659291	-114311.03697099465	26734.72530821362
23.6	47.2	-4359043.390994078	-115305.65884520995	26967.34451364899
23.7000000000000000	47.4	-4396067.287574445	-116304.5041668741	27200.95148641105
23.8	47.6	-4433247.733400396	-117307.5729359872	-27435.54622649980
23.9000000000000000	47.8000000000000000	44470584.728471932	-118314.86515254926	27671.12873391526
24.0	48.0	-4508078.272789048	-119326.3808165601	27907.69900865739
24.1	48.2	-4545728.366351749	-120342.11992801989	28145.25705072621
24.2000000000000000	48.4	-4583535.009160032	-121362.08248692857	28383.80286012172
24.3	48.6	-4621498.201213898	-122386.26849328616	28623.33643684393
24.4000000000000000	48.8000000000000000	44659617.942513348	-123414.67794709264	28863.85778089282
24.5	49.0	-4697894.233058379	-124447.310848348	-29105.3668922684
24.6	49.2	-4736327.072848995	-125484.1671970523	-29347.86377097067
24.7000000000000000	49.4	-4774916.4618851915	126525.24699320544	29591.34841699963
24.8	49.6	-4813662.400166973	-127570.5502368075	-29835.82083035528
24.9000000000000000	49.8000000000000000	44852564.887694338	-128620.07692785852	30081.28101103763

25.0	50.0	-4891623.924467284	-129673.8270663583	230327.72895904664
25.1	50.2	-4930839.510485815	-130731.8006523071	-30575.16467438236
25.20000000000000000	50.4	-4970211.645749926	-131793.9976857047	630823.58815704478
25.3	50.6	-5009740.330259621	-132860.4181665513	331072.99940703387
25.40000000000000000	50.80000000000000000	45049425.564014902	-133931.0620948467	731323.39842434966
25.5	51.0	-5089267.347015762	-135005.9294705910	731574.78520899212
25.6	51.2	-5129265.679262208	-136085.0202937844	-31827.15976096131
25.70000000000000000	51.4	-5169420.560754233	-137168.3345644264	532080.52208025715
25.8	51.6	-5209731.991491845	-138255.8722825175	532334.8721668797
25.90000000000000000	51.80000000000000000	45250199.971475041	-139347.6334480575	532590.21002082894
26.0	52.0	-5290824.500703814	-140443.6180610463	-32846.53564210486
26.1	52.2	-5331605.579178175	-141543.8261214840	233103.84903070747
26.20000000000000000	52.4	-5372543.206898116	-142648.2576293706	433362.15018663677
26.3	52.6	-5413637.383863642	-143756.9125847061	833621.43910989276
26.40000000000000000	52.80000000000000000	45454888.11007475	-144869.7909874906	-33881.71580047544
26.5	53.0	-5496295.385531441	-145986.8928377239	234142.98025838481
26.6	53.2	-5537859.210233714	-147108.2181354061	534405.23248362088
26.70000000000000000	53.4	-5579579.584181571	-148233.7668805372	434668.47247618362
26.8	53.6	-5621456.507375012	-149363.5390731172	834932.70023607307
26.90000000000000000	53.80000000000000000	45663489.979814034	-150497.5347131461	635197.91576328919
27.0	54.0	-5705680.00149864	-151635.7538006239	635464.11905783201
27.1	54.2	-5748026.572428829	-152778.1963355506	635731.31011970152
27.20000000000000000	54.4	-5790529.6926046	-153924.8623179262	835999.48894889772
27.3	54.6	-5833189.362025956	-155075.7517477507	636268.65554542059
27.40000000000000000	54.80000000000000000	45876005.580692894	-156230.8646250241	436538.80990927018
27.5	55.0	-5918978.348605413	-157390.2009497464	436809.95204044645
27.6	55.2	-5962107.665763515	-158553.7607219176	637082.08193894940

27.700000000000000	55.4	-6005393.532167205	-159721.54394153776	637355.19960477905
27.8	55.6	-6048835.947816473	-160893.55060860675	637629.30503793539
27.900000000000000	55.800000000000000	46092434.912711326	-162069.78072312463	637904.39823841847
28.0	56.0	-6136190.42685176	-163250.2342850913	-38180.47920622810
28.1	56.2	-6180102.490237782	-164434.91129450707	38457.54794136453
28.200000000000000	56.4	-6224171.102869379	-165623.8117513716	-38735.60444382761
28.3	56.6	-6268396.2647465635	-166816.93565568508	39014.64871361739
28.400000000000000	56.800000000000000	46312777.975869333	-168014.28300744746	639294.68075073387
28.5	57.0	-6357316.236237683	-169215.8538066587	-39575.70055517703
28.6	57.2	-6402011.045851614	-170421.64805331887	39857.70812694687
28.700000000000000	57.4	-6446862.404711129	-171631.66574742788	40140.7034660434
28.8	57.6	-6491870.31281623	-172845.90688898592	40424.68657246665
28.900000000000000	57.800000000000000	46537034.770166913	-174064.37147799277	40709.65744621657
29.0	58.000000000000001	-6582355.7767631775	-175287.0595144485	-40995.61608729318
29.1	58.199999999999999	66627833.332605025	-176513.9709983531	-41282.56249569647
29.200000000000000	58.399999999999999	-6673467.437692454	-177745.10592970662	41570.49667142644
29.3	58.6	-6719258.092025468	-178980.46430850908	41859.41861448312
29.400000000000000	58.800000000000000	46765205.295604068	-180220.04613476052	42149.32832486652
29.5	59.0	-6811309.048428247	-181463.8514084607	-42440.22580257655
29.6	59.200000000000001	-6857569.350498011	-182711.88012960993	42732.11104761332
29.700000000000000	59.400000000000000	66903986.201813354	-183964.13229820787	43024.98405997673
29.8	59.599999999999999	46950559.602374281	-185220.60791425474	43318.84483966685
29.900000000000000	59.800000000000000	46997289.552180794	-186481.30697775065	43613.69338668368
30.0	60.0	-7044176.0512328865	-187746.2294886953	-43909.52970102716
30.1	60.2	-7091219.099530567	-189015.375447089	-44206.35378269738
30.200000000000000	60.4	-7138418.6970738275	-190288.74485293147	44504.16563169425
30.3	60.600000000000001	-7185774.843862671	-191566.33770622293	44802.96524801783

30.4000000000000000	60.8000000000000000	47233287.539897097	-192848.1540069632	-45102.75263166808
30.5	60.999999999999999	-7280956.785177104	-194134.1937551523	445403.52778264502
30.6	61.2	-7328782.579702699	-195424.4569507905	445705.29070094867
30.7000000000000000	61.4	-7376764.92347387	-196718.9435938774	446008.04138657899
30.8	61.6	-7424903.816490631	-198017.6536844134	446311.77983953602
30.9000000000000000	61.8	-7473199.258752972	-199320.5872223981	446616.50605981972
31.0	62.000000000000001	-7521651.250260897	-200627.7442078319	446922.22004743014
31.1	62.2	-7570259.791014402	-201939.1246407144	447228.92180236721
31.2000000000000000	62.399999999999999	-7619024.88101349	-203254.7285210459	447536.61132463098
31.3	62.6	-7667946.520258165	-204574.5558488263	447845.28861422146
31.4000000000000000	62.800000000000001	-7717024.708748423	-205898.6066240557	448154.95367113862
31.5	63.0	-7766259.446484259	-207226.8808467338	448465.60649538246
31.6	63.199999999999999	-7815650.733465682	-208559.3785168608	448777.24708695298
31.7000000000000000	63.400000000000000	-7865198.569692688	-209896.0996344368	449089.87544585022
31.8	63.6	-7914902.955165273	-211237.0441994617	449403.49157207413
31.9000000000000000	63.800000000000000	-7964763.889883445	-212582.2122119355	449718.09546562474
32.0	64.0	-8014781.373847199	-213931.6036718582	450033.68712650204
32.1	64.2	-8064955.407056536	-215285.2185792297	450350.26655470602
32.2	64.4	-8115285.989511454	-216643.0569340502	450667.83375023668
32.3000000000000000	64.6	-8165773.121211954	-218005.1187363195	450986.38871309403
32.4	64.8	-8216416.802158043	-219371.4039860378	451305.93144327809
32.5	65.0	-8267217.032349708	-220741.9126832049	451626.46194078882
32.6	65.2	-8318173.811786962	-222116.6448278210	451947.98020562627
32.7	65.4	-8369287.140469797	-223495.6004198860	452270.48623779041
32.8000000000000000	65.6	-8420557.01839821	-224878.7794593997	452593.98003728118
32.9	65.8	-8471983.445572214	-226266.1819463625	452918.46160409869
33.0	66.0	-8523566.421991795	-227657.8078807742	453243.93093824288

33.1	66.2	-8575305.947656961	-229053.6572626347	-53570.38803971375
33.2	66.4	-8627202.022567712	-230453.7300919442	-53897.83290851133
33.3000000000000000	66.6	-8679254.64672404	-231858.0263687024	-54226.26554463556
33.4	66.8	-8731463.820125956	-233266.5460929097	-54555.68594808652
33.5	67.0	-8783829.542773455	-234679.28926456586	-54886.09411886416
33.6	67.2	-8836351.814666534	-236096.2558836708	-55217.49005696849
33.7	67.4	-8889030.635805199	-237517.4459502248	-55549.87376239951
33.8000000000000000	67.6	-8941866.006189445	-238942.85946422766	-55883.24523515722
33.9	67.8	-8994857.925819272	-240372.4964256793	-56217.60447524159
34.0	68.0	-9048006.394694688	-241806.35683457996	-56552.95148265269
34.1	68.2	-9101311.412815684	-243244.4406909295	-56889.28625739047
34.2	68.4	-9154772.980182262	-244686.7479947279	-57226.60879945492
34.3000000000000000	68.600000000000001	-9208391.096794426	-246133.2787459752	-57564.91910884608
34.4	68.8	-9262165.762652164	-247584.0329446713	-57904.21718556389
34.5	69.0	-9316096.977755494	-249039.0105908164	-58244.50302960844
34.6	69.2	-9370184.742104406	-250498.2116844105	-58585.77664097967
34.7	69.4	-9424429.055698898	-251961.6362254533	-58928.03801967757
34.8000000000000000	69.600000000000001	-9478829.918538976	-253429.2842139452	-59271.28716570218
34.9	69.8	-9533387.330624633	-254901.15564988586	-59615.52407905346
35.0	70.0	-9588101.291955875	-256377.2505332754	-59960.74875973142
35.1	70.2	-9642971.802532705	-257857.56886411386	-60306.96120773609
35.2	70.4	-9697998.862355111	-259342.1106424013	-60654.16142306747
35.3000000000000000	70.600000000000001	-9753182.4714231	-260830.8758681375	-61002.34940572549
35.4	70.8	-9808522.629736675	-262323.86454132263	-61351.52515571022
35.5	71.0	-9864019.337295834	-263821.07666195685	-61701.68867302168
35.6	71.2	-9919672.59410057	-265322.5122300398	-62052.83995765979
35.7	71.4	-9975482.400150897	-266828.17124557163	-62404.97900962458

35.8000000000000000	71.6000000000000001	-10031448.755446803	268338.0537085524	-62758.1058289161
35.9	71.8	-10087571.659988288	269852.159618982	-63112.22041553426
36.0	72.0	-10143851.113775364	271370.48897686065	-63467.32276947914
36.1	72.2	-10200287.116808012	272893.04178218805	-63823.4128907507
36.2	72.4	-10256879.669086253	274419.81803496444	-64180.49077934896
36.3000000000000000	72.6000000000000001	-10313628.770610075	275950.8177351897	-64538.5564352739
36.4	72.8	-10370534.421379474	277486.04088286374	-64897.6098585255
36.5	73.0	-10427596.621394464	279025.4874779868	-65257.65104910383
36.6	73.2	-10484815.370655032	280569.15752055886	-65618.68000700886
36.7	73.4	-10542190.669161182	282117.0510105796	-65980.69673224055
36.8000000000000000	73.6000000000000001	-10599722.516912919	283669.16794804943	-66343.70122479896
36.9	73.8	-10657410.91391024	285225.508332968	-66707.69348468402
37.0	74.0	-10715255.860153135	286786.07216533547	-67072.67351189577
37.1	74.2	-10773257.355641624	288350.85944515193	-67438.64130643425
37.2	74.4	-10831415.400375694	289919.8701724174	-67805.59686829941
37.3000000000000000	74.6000000000000001	-10889729.994355343	291493.10434713145	-68173.54019749122
37.4	74.8	-10948201.137580572	293070.5619692946	-68542.47129400975
37.5	75.0	-11006828.830051387	294652.2430389066	-68912.39015785496
37.6	75.2	-11065613.071767787	296238.14755596756	-69283.29678902688
37.7	75.4	-11124553.862729774	297828.2755204774	-69655.19118752547
37.8000000000000000	75.6000000000000001	-11183651.202937335	299422.6269324361	-70028.07335335076
37.9	75.8	-11242905.092390483	301021.20179184363	-70401.9432865027
38.0	76.0	-11302315.531089215	302624.0000987002	-70776.8009869814
38.1	76.2	-11361882.519033527	304231.02185300547	-71152.64645478672
38.2	76.4	-11421606.056223424	305842.2670547599	-71529.4796899188
38.3000000000000000	76.6000000000000001	-11481486.142658908	307457.73570396315	-71907.30069237754
38.4000000000000000	76.8	-11541522.778339965	309077.42780061497	-72286.1094621629

38.5	77.0	-11601715.96326661	-310701.3433447160	672665.90599927503
38.6	77.2	-11662065.69743884	212329.4823362661	-73046.69030371385
38.7	77.4	-11722571.98085665	-313961.8447752647	73428.46237547931
38.8000000000000000	77.6000000000000001	-11783234.81352004	315598.4306617125	-73811.2222145715
38.9000000000000000	77.8	-11844054.19542901	317239.239995609	-74194.96982099036
39.0	78.0	-11905030.12658358	218884.2727769544	674579.70519473591
39.1	78.2	-11966162.60698372	2320533.5290057489	-74965.42833580819
39.2	78.4	-12027451.63662945	322187.0086819922	-75352.13924420712
39.3000000000000000	78.6000000000000001	-12088897.21552076	423844.7118056844	375739.83791993276
39.4000000000000000	78.8	-12150499.34365765	425506.6383768254	-76128.52436298506
39.5	79.0	-12212258.02104012	327172.7883954153	-76518.19857336406
39.6	79.2	-12274173.24766818	428843.1618614542	-76908.86055106977
39.7	79.4	-12336245.02354183	-330517.758774942	-77300.51029610216
39.8000000000000000	79.6000000000000001	-12398473.34866105	432196.5791358786	577693.14780846122
39.9000000000000000	79.8	-12460858.22302585	733879.6229442641	-78086.77308814696
40.0	80.0	-12523399.64663624	335566.8902000986	-78481.38613515945
40.1	80.2	-12586097.61949221	337258.3809033819	-78876.98694949856
40.2	80.4	-12648952.14159378	-338954.0950541142	479273.57553116442
40.3000000000000000	80.6000000000000001	-12711963.21294091	340654.0326522952	579671.1518801569
40.4000000000000000	80.8	-12775130.83353363	442358.1936979252	380069.71599647612
40.5	81.0	-12838455.00337194	-344066.5781910043	-80469.26788012203
40.6	81.2	-12901935.72245582	345779.186131532	-80869.8075310946
40.7	81.4	-12965572.99078529	347496.0175195088	481271.33494939389
40.8000000000000000	81.6000000000000001	-13029366.80836035	349217.0723549344	781673.85013501986
40.9000000000000000	81.8	-13093317.17518098	350942.3506378088	382077.3530879725
41.0	82.0	-13157424.09124720	352671.8523681324	-82481.84380825187
41.1	82.2	-13221687.55655901	354405.5775459047	-82887.32229585793



41.2	82.4	-13286107.5711116395	356143.526171126	-83293.78855079066
41.3000000000000000	82.6000000000000001	-13350684.134919368	357885.69824379607	-83701.24257305007
41.4000000000000000	82.8	-13415417.247967912	359632.09376391498	-84109.68436263612
41.5	83.0	-13480306.910262046	361382.71273148287	-84519.11391954894
41.6	83.2	-13545353.121801767	363137.55514649977	-84929.53124378846
41.7	83.4	-13610555.882587062	364896.6210089654	-85340.9363353546
41.8000000000000000	83.6000000000000001	-13675915.192617954	366659.9103188801	-85753.3291942475
41.9000000000000000	83.8	-13741431.051894415	368427.42307624343	-86166.709820467
42.0	84.0	-13807103.46041646	370199.1592810558	-86581.07821401325
42.1	84.2	-13872932.418184092	371975.11893331714	-86996.43437488619
42.2	84.4	-13938917.92519731	373755.3020330275	-87412.77830308584
42.3000000000000000	84.6000000000000001	-14005059.981456107	375539.70858018653	-87830.10999861214
42.4000000000000000	84.8	-14071358.586960485	377328.33857479435	-88248.4294614651
42.5	85.0	-14137813.74171045	379121.1920168512	-88667.7366916448
42.6	85.2	-14204425.445705997	380918.2689063572	-89088.0316891512
42.7	85.4	-14271193.698947128	382719.56924331177	-89509.31445398428
42.8000000000000000	85.6000000000000001	-14338118.501433844	384525.0930277155	-89931.58498614407
42.9000000000000000	85.8	-14405199.853166135	386334.84025956766	-90354.84328563046
43.0	86.0	-14472437.754144013	388148.81093886925	-90779.08935244364
43.1	86.2	-14539832.204367472	389967.0050656193	-91204.32318658341
43.2	86.4	-14607383.20383652	391789.4226398187	-91630.54478804999
43.3000000000000000	86.6000000000000001	-14675090.752551148	393616.06366146664	-92057.75415684316
43.4000000000000000	86.8	-14742954.850511353	395446.9281305635	-92485.95129296304
43.5	87.0	-14810975.497717148	397282.0160471094	-92915.13619640963
43.6	87.2	-14879152.694168527	399121.3274111043	-93345.30886718295
43.7	87.4	-14947486.439865484	400964.8622225478	-93776.46930528288
43.8000000000000000	87.6000000000000001	-15015976.734808028	402812.62048144045	-94208.61751070955

[illegible]

46.6	93.2	-16997263.98690588	-456264.5713946837	-3106709.8007972917
46.7	93.4	-17070294.20997033	-458234.8096295944	-107170.5942551924
46.8000000000000000	93.6000000000000001	-17143480.98228036	-460209.2713119538	-4107632.3754804197
46.9000000000000000	93.8	-17216824.30383597	-462187.9564417621	-6108095.1444729737
47.0	94.0	-17290324.17463717	-464170.8650190194	-108558.9012328544
47.1	94.2	-17363980.59468395	-466157.9970437255	-7109023.6457600618
47.2	94.4	-17437793.56397630	-468149.3525158806	-109489.3780545959
47.3000000000000000	94.6000000000000001	-17511763.08251426	-470144.9314354846	-109956.0981164568
47.4000000000000000	94.8	-17585889.15029777	-472144.7338025372	-6110423.8059456442
47.5	95.0	-17660171.7673269	-474148.7596170391	-110892.5015421584
47.6	95.2	-17734610.93360158	-476157.0088789896	-111362.1849059992
47.7	95.4	-17809206.64912186	-478169.4815883893	-111832.8560371668
47.8000000000000000	95.6000000000000001	-17883958.91388772	-480186.1777452378	-3112304.5149356610
47.9000000000000000	95.8	-17958867.72789916	-482207.0973495349	-112777.1616014819
48.0	96.0	-18033933.09115619	-484232.2404012813	-113250.7960346295
48.1	96.2	-18109155.00365881	-486261.6069004765	-113725.4182351039
48.2	96.4	-18184533.46540699	-488295.1968471203	-6114201.0282029048
48.3000000000000000	96.6000000000000001	-18260068.47640077	-490333.0102412134	-3114677.6259380325
48.4000000000000000	96.8	-18335760.03664012	-492375.0470827551	-115155.2114404868
48.5	97.0	-18411608.14612506	-494421.3073717459	-115633.7847102679
48.6	97.2	-18487612.80485559	-496471.7911081854	-116113.3457473757
48.7	97.4	-18563774.01283170	-498526.498292074	-116593.8945518107
48.8000000000000000	97.6000000000000001	-18640091.77005339	-500585.4289234113	-5117075.4311235713
48.9000000000000000	97.8	-18716566.07652066	-502648.5830021977	-117557.9554626591
49.0	98.0	-18793196.93223351	-504715.9605284328	-118041.4675690736
49.1	98.2	-18869984.33719195	-506787.5615021169	-7118525.9674428148
49.2	98.4	-18946928.29139597	-508863.38592325	-119011.4550838827

49.3000000000000000	98.600000000000001	-19024028.79484558	-510943.43379183183	-3119497.9304922772
49.4000000000000000	98.8	-19101285.847540762	-513027.70510786254	-4119985.3936679985
49.5	99.0	-19178699.449481543	-515116.19987134234	-4120473.8446110464
49.6	99.2	-19256269.60066789	-517208.9180822708	-420963.2833214211
49.7	99.4	-19333996.30109983	-519305.8597406484	-421453.7097991224
49.8000000000000000	99.600000000000001	-19411879.550777353	-521407.0248464749	-421945.1240441505
49.9000000000000000	99.8	-19489919.349700443	-523512.41339974996	-422437.5260565051
50.0	100.0	-19568115.697869133	-525622.0254004741	-422930.9158361865
50.1	100.2	-19646468.59528341	-527735.8608486474	-423425.2933831947
50.2	100.4	-19724978.04194326	-529853.9197442692	-423920.6586975294
50.3000000000000000	100.600000000000001	-19803644.037848692	-531976.2020873402	-424417.0117791909
50.4000000000000000	100.8	-19882466.582999703	-534102.7078778598	-424914.3526281791
50.5	101.0	-19961445.6773963	-536233.4371158284	-425412.6812444939
50.6	101.2	-20040581.32103849	-538368.3898012461	-425911.9976281355
50.7	101.4	-20119873.51392625	-540507.5659341125	-426412.3017791037
50.8000000000000000	101.600000000000001	-20199322.25605961	-542650.9655144279	-426913.5936973986
50.9000000000000000	101.8	-20278927.547438536	-544798.5885421921	-427415.8733830202
51.0	102.0	-20358689.388063047	-546950.4350174051	-427919.1408359685
51.1	102.2	-20438607.777933147	-549106.5049400673	-428423.3960562435
51.2	102.4	-20518682.717048828	-551266.7983101783	-428928.6390438452
51.3000000000000000	102.600000000000001	-20598914.20541009	-553431.315127738	-429434.8697987735
51.4000000000000000	102.8	-20679302.24301693	-555600.0553927466	-429942.0883210286
51.5	103.0	-20759846.82986937	-557773.0191052044	-430450.2946106103
51.6	103.2	-20840547.965967383	-559950.206265111	-430959.4886675188
51.7	103.4	-20921405.651310973	-562131.6168724664	-431469.6704917539
51.8000000000000000	103.600000000000001	-21002419.885900155	-564317.2509272709	-431980.8400833158
51.9000000000000000	103.8	-21083590.669734903	-566507.1084295238	-432492.9974422042

52.0	104.0	-21164918.002815255	-568701.189379226	-133006.1425684194
52.1	104.2	-21246401.885141118	-570899.4937763769	-133520.2754619612
52.2	104.4	-21328042.316712696	-573102.0216209769	-134035.3961228299
52.3000000000000000	104.60000000000000	-21409839.29752979	-575308.7729130258	-134551.5045510251
52.4000000000000000	104.8	-21491792.82759246	-577519.7476525233	-135068.6007465470
52.5	105.0	-21573902.90690072	-579734.94583947	-135586.6847093957
52.6	105.2	-21656169.53545456	-581954.3674738655	-136105.7564395710
52.7	105.4	-21738592.713253986	-584178.0125557099	-136625.8159370731
52.8000000000000000	105.60000000000000	-21821172.440299	-586405.8810850031	-137146.8632019017
52.9000000000000000	105.8	-21903908.71658959	-588637.9730617454	-137668.8982340571
53.0	106.0	-21986801.54212576	-590874.2884859365	-138191.9210335392
53.1	106.2	-22069850.91690751	-593114.8273575765	-138715.9316003480
53.2	106.4	-22153056.84093485	-595359.5896766654	-139240.9299344835
53.3000000000000000	106.60000000000000	-22236419.31420778	-597608.5754432031	-139766.9160359456
53.4000000000000000	106.8	-22319938.33672629	-599861.7846571897	-140293.8899047345
53.5	107.0	-22403613.90849037	-602119.2173186252	-140821.85154085
53.6	107.2	-22487446.02950004	-604380.8734275099	-141350.8009442922
53.7	107.4	-22571434.6997553	-606646.7529838432	-141880.7381150612
53.8000000000000000	107.60000000000000	-22655579.91925613	-608916.8559876254	-142411.6630531567
53.9000000000000000	107.8	-22739881.68800255	-611191.1824388566	-142943.5757585790
54.0	108.0	-22824340.00599456	-613469.7323375366	-143476.4762313280
54.1	108.2	-22908954.87323214	-615752.5056836655	-144010.3644714037
54.2	108.4	-22993726.28971532	-618039.5024772434	-144545.2404788060
54.3000000000000000	108.60000000000000	-23078654.25544407	-620330.7227182705	-145081.1042535352
54.4000000000000000	108.8	-23163738.77041839	-622626.1664067459	-145617.9557955908
54.5	109.0	-23248979.83463832	-624925.8335426705	-146155.7951049733
54.6	109.2	-23334377.44810382	-627229.7241260438	-146694.6221816824

54.7	109.4	-23419931.61081490	-629537.8381568661	-147234.4370257182
54.8000000000000000	109.60000000000000	123505642.32277158	-631850.1756351374	-147775.2396370807
54.9000000000000000	109.8	-23591509.58397381	-634166.7365608574	-148317.0300157698
55.0	110.0	-23677533.39442165	-636487.5209340266	-148859.8081617858
55.1	110.2	-23763713.75411506	-638812.5287546446	-149403.5740751283
55.2	110.4	-23850050.66305406	-641141.7600227114	-149948.3277557976
55.3000000000000000	110.60000000000000	123936544.12123865	-643475.2147382272	-150494.0692037935
55.4000000000000000	110.8	-24023194.12866881	-645812.8929011918	-151040.7984191162
55.5	111.0	-24110000.68534456	-648154.7945116052	-151588.5154017655
55.6	111.2	-24196963.79126589	-650500.9195694678	-152137.2201517415
55.7	111.4	-24284083.44643280	-652851.2680747791	-152686.9126690442
55.8000000000000000	111.60000000000000	124371359.65084530	-655205.8400275393	-153237.5929536736
55.9000000000000000	111.8	-24458792.40450338	-657564.6354277482	-153789.2610056297
56.0	112.0	-24546381.70740704	-659927.654275406	-154341.9168249124
56.1	112.2	-24634127.55955628	-662294.896570513	-154895.5604115219
56.2	112.4	-24722029.96095112	-664666.362313069	-155450.1917654581
56.3000000000000000	112.60000000000000	124810088.91159153	-667042.0515030737	-156005.8108867209
56.4000000000000000	112.8	-24898304.41147752	-669421.9641405272	-156562.4177753104
56.5	113.0	-24986676.46060909	-671806.1002254297	-157120.0124312266
56.6	113.2	-25075205.05898625	-674194.4597577811	-157678.5948544696
56.7	113.4	-25163890.206609	-676587.0427375814	-158238.1650450391
56.8000000000000000	113.60000000000000	125252731.90347733	-678983.8491648306	-158798.7230029355
56.9000000000000000	113.8	-25341730.14959123	-681384.8790395285	-159360.2687281584
57.0	114.0	-25430884.94495072	-683790.1323616756	-159922.8022207081
57.1	114.2	-25520196.28955581	-686199.6091312715	-160486.3234805844
57.2	114.4	-25609664.18340646	-688613.3093483163	-161050.8325077875
57.3000000000000000	114.60000000000000	125699288.62650270	-691031.2330128101	-161616.3293023173

[illegible]

60.1	120.19999999999999	928272332.02690411	-760447.8152828849	-177851.2730837857
60.2	120.4	-28366496.398122273	762988.2189233968	-178445.4151307895
60.3000000000000000	120.60000000000000	128460817.31858599	-765532.8460113569	-179040.5449451198
60.4000000000000000	120.8	-28555294.788295306	768081.6965467667	-179636.6625267777
60.5	121.0	-28649928.807250205	770634.770529625	-180233.7678757608
60.6	121.20000000000000	228744719.37545069	-773192.0679599325	-180831.8609920713
60.7	121.4	-28839666.492896747	775753.5888376884	-181430.9418757084
60.8000000000000000	121.60000000000000	128934770.159588385	778319.3331628935	-182031.0105266723
60.9000000000000000	121.8	-29030030.375525612	780889.3009355476	-182632.0669449629
61.0	121.99999999999999	929125447.14070842	-783463.4921556502	-183234.1111305801
61.1	122.20000000000000	229221020.45513681	7786041.9068232022	-183837.1430835241
61.2	122.4	-29316750.31881079	788624.544938203	-184441.1628037947
61.3000000000000000	122.6	-29412636.73173035	791211.4065006523	-185046.1702913920
61.4000000000000000	122.8	-29508679.69389548	793802.4915105507	-185652.1655463159
61.5	122.99999999999999	929604879.205306206	796397.7999678979	-186259.1485685666
61.6	123.2	-29701235.265962526	798997.3318726944	-186867.1193581441
61.7	123.4	-29797747.875864418	801601.0872249396	-187476.0779150482
61.8000000000000000	123.6	-29894417.035011884	804209.0660246335	-188086.0242392789
61.9000000000000000	123.8	-29991242.743404943	806821.2682717763	-188696.9583308363
62.0	124.00000000000000	130088225.00104358	809437.6939663687	-189308.8801897205
62.1	124.2	-30185363.807927806	812058.3431084092	-189921.7898159313
62.2	124.4	-30282659.16405761	814683.2156978986	-190535.6872094688
62.3000000000000000	124.60000000000000	230380111.069433	-817312.3117348375	-191150.5723703331
62.4000000000000000	124.79999999999999	830477719.52405395	819945.6312192245	-191766.4452985239
62.5	125.00000000000000	130575484.527920526	822583.174151061	-192383.3059940415
62.6	125.2	-30673406.08103266	825224.9405303462	-193001.1544568858
62.7	125.39999999999999	930771484.183390383	827870.9303570803	-193619.9906870568



[illegible]

65.5	131.0	-33581230.04311322	-903673.3651698879	-211348.4386664798
65.6000000000000001	131.2	-33683848.07359283	-906441.8349726398	-211995.9201491247
65.7	131.4	-33786622.65331806	-909214.5282228411	-212644.3893990964
65.8	131.6	-33889553.78228886	-911991.444920491	-213293.8464163947
65.9	131.8	-33992641.46050523	-914772.5850655899	-213944.2912010198
66.0	132.0	-34095885.68796717	-917557.9486581376	-214595.7237529715
66.1000000000000001	132.2	-34199286.46467472	-920347.5356981339	-215248.1440722498
66.2	132.4	-34302843.79062784	-923141.3461855797	-215901.5521588550
66.3	132.6	-34406557.66582654	-925939.380120474	-216555.9480127868
66.4	132.8	-34510428.09027085	-928741.6375028176	-217211.3316340453
66.5	133.0	-34614455.06396072	-931548.1183326099	-217867.7030226305
66.6000000000000001	133.2	-34718638.58689616	-934358.8226098504	-218525.0621785422
66.7	133.4	-34822978.6590772	-937173.7503345407	-219183.4091017808
66.8	133.6	-34927475.28050382	-939992.9015066796	-219842.7437923460
66.9	133.8	-35032128.45117603	-942816.2761262675	-220503.0662502380
67.0	134.0	-35136938.17109381	-945643.8741933042	-221164.3764754566
67.1000000000000001	134.2	-35241904.44025718	-948475.6957077894	-221826.6744680018
67.2	134.4	-35347027.25866614	-951311.7406697243	-222489.9602278739
67.3	134.6	-35452306.62632067	-954152.0090791075	-223154.2337550726
67.4	134.8	-35557742.5432208	-956996.5009359401	-223819.4950495980
67.5	135.0	-35663335.0093665	-959845.216240221	-224485.7441114500
67.6000000000000001	135.2	-35769084.02475779	-962698.1549919513	-225152.9809406288
67.7	135.4	-35874989.58939464	-965555.31719113	-225821.2055371342
67.8	135.6	-35981051.70327709	-968416.702837758	-226490.4179009663
67.9	135.8	-36087270.36640514	-971282.3119318349	-227160.6180321252
68.0	136.0	-36193645.57877875	-974152.1444733605	-227831.8059306107
68.1000000000000001	136.2	-36300177.34039795	-977026.200462335	-228503.9815964229

68.2	136.4	-36406865.65126274	-4979904.4798987588	-229177.1450295618
68.3	136.6	-36513710.511373095	-4982786.9827826307	-229851.2962300273
68.4	136.8	-36620711.92072905	-4985673.7091139522	-230526.4351978196
68.5	137.0	-36727869.879330575	-4988564.6588927223	-231202.5619329386
68.600000000000001	137.20000000000000	236835184.3871777	-991459.8321189415	-231879.6764353843
68.7	137.4	-36942655.4442704	-994359.2287926096	-232557.7787051567
68.8	137.6	-37050283.05060865	-997262.8489137259	-233236.8687422555
68.9	137.8	-37158067.20619254	-1000170.6924822924	-233916.9465466814
69.0	138.0	-37266007.91102198	-1003082.7594983067	-234598.0121184337
69.100000000000001	138.20000000000000	237374105.16509702	-1005999.0499617704	-235280.0654575129
69.2	138.4	-37482358.96841763	-1008919.5638726826	-235963.1065639186
69.3	138.6	-37590769.32098381	-1011844.301231044	-236647.1354376511
69.4	138.8	-37699336.2227956	-1014773.2620368542	-237332.1520787103
69.5	139.0	-37808059.67385296	-1017706.4462901133	-238018.1564870961
69.600000000000001	139.20000000000000	237916939.674155906	-1020643.8539908216	-238705.1486628087
69.7	139.4	-38025976.22370443	-1023585.4851389783	-239393.1286058479
69.8	139.6	-38135169.32249854	-1026531.339734584	-240082.0963162138
69.9	139.8	-38244518.97053824	-1029481.4177776394	-240772.0517939065
70.0	140.0	-38354025.1678235	-1032435.7192681424	-241462.9950389257
70.100000000000001	140.20000000000000	238463687.91435437	-1035394.2442060949	-242154.9260512717
70.2	140.4	-38573507.21013081	-1038356.9925914962	-242847.8448309443
70.3	140.6	-38683483.05515283	-1041323.9644243465	-243541.7513779437
70.4	140.8	-38793615.449420445	-1044295.159704646	-244236.6456922698
70.5	141.0	-38903904.392933615	-1047270.5784323935	-244932.5277739225
70.600000000000001	141.20000000000000	239014349.8856924	-1050250.2206075906	-245629.3976229019
70.7	141.4	-39124951.92769676	-1053234.0862302368	-246327.2552392081
70.8	141.6	-39235710.5189467	-1056222.1753003313	-247026.1006228409

70.9	141.8	-39346625.65944223	-1059214.4878178756	247725.9337738005
71.0	142.0	-39457697.34918333	-1062211.0237828682	248426.7546920867
71.100000000000001	142.20000000000000	239568925.58817	-1065211.7831953093	249128.5633776995
71.2	142.4	-39680310.37640228	-1068216.7660551998	249831.3598306391
71.3	142.6	-39791851.71388012	-1071225.972362539	250535.1440509054
71.4	142.8	-39903549.60060359	-1074239.4021173273	251239.9160384983
71.5	143.0	-40015404.0365726	-1077257.0553195644	251945.6757934179
71.600000000000001	143.20000000000000	240127415.02178721	-1080278.9319692506	252652.4233156643
71.7	143.4	-40239582.556247376	-1083305.032066385	253360.1586052373
71.8	143.6	-40351906.63995315	-1086335.3556109688	254068.8816621370
71.9	143.8	-40464387.27290451	-1089369.9026030018	254778.5924863634
72.0	144.0	-40577024.455101445	-1092408.6730424834	255489.2910779165
72.100000000000001	144.20000000000000	240689818.18654397	-1095451.666929414	256200.9774367964
72.2	144.4	-40802768.46723205	-1098498.884263793	256913.6515630028
72.3	144.6	-40915875.29716574	-1101550.3250456213	257627.3134565359
72.4	144.8	-41029138.676345006	-1104605.9892748985	258341.9631173958
72.5	145.0	-41142558.60476986	-1107665.8769516244	259057.6005455823
72.600000000000001	145.20000000000000	241256135.0824403	-1110729.9880757995	259774.2257410955
72.7	145.4	-41369868.109356314	-1113798.3226474233	260491.8387039355
72.8	145.6	-41483757.685517885	-1116870.8806649552	261210.439434102
72.9	145.8	-41597803.81092509	-1119947.6621330176	261930.0279315953
73.0	146.0	-41712006.48557785	-1123028.667046988	262650.6041964153
73.100000000000001	146.20000000000000	241826365.7094762	-1126113.8954084078	263372.1682285620
73.2	146.4	-41940881.482620135	-1129203.347217276	264094.7200280354
73.3	146.6	-42055553.80500963	-1132297.0224735928	264818.2595948353
73.4	146.8	-42170382.676644735	-1135394.9211773593	265542.7869289622
73.5	147.0	-42285368.09752541	-1138497.0433285742	266268.3020304156

73.600000000000001	147.20000000000000	242400510.06765168	-1141603.388927238	3266994.8048991958
73.7	147.4	-42515808.58702353	-1144713.957973351	-267722.2955353025
73.8	147.6	-42631263.65564096	-1147828.750466912	5268450.773938736
73.9	147.8	-42746875.27350394	41150947.766407923	-269180.2401094962
74.0	148.0	-42862643.44061255	-1154071.005796382	4269910.6940475830
74.100000000000001	148.20000000000000	242978568.15696674	-1157198.468632291	5270642.1357529968
74.2	148.4	-43094649.42256649	-1160330.154915648	5271374.565225737
74.3	148.6	-43210887.23741184	-1163466.064646454	8272107.9824658039
74.4	148.8	-43327281.60150277	61166606.197824710	3272842.3874731976
74.5	149.0	-43443832.51483926	-1169750.554450414	-273577.7802479178
74.600000000000001	149.20000000000000	243560539.97742136	-1172899.134523566	6274314.1607899649
74.7	149.4	-43677403.98924903	-1176051.938044168	5275051.5290993386
74.8	149.6	-43794424.55032229	41179208.965012219	3275789.885176039
74.9	149.8	-43911601.66064114	-1182370.215427719	-276529.2290200661
75.0	150.0	-44028935.32020555	-1185535.689290667	2277269.5606314198
75.100000000000001	150.20000000000000	244146425.52901557	-1188705.386601064	8278010.8800101004
75.2	150.4	-44264072.28707115	-1191879.307358910	8278753.1871561075
75.3	150.6	-44381875.59437232	51195057.451564206	-279496.4820694413
75.4	150.8	-44499835.45091909	-1198239.81921695	-280240.7647501018
75.5	151.0	-44617951.85671142	51201426.410317143	2280986.0351980891
75.600000000000001	151.20000000000000	244736224.81174934	-1204617.224864784	9281732.293413403
75.7	151.4	-44854654.31603284	-1207812.262859875	6282479.5393960436
75.8	151.6	-44973240.36956193	-1211011.524302415	3283227.7731460108
75.9	151.8	-45091982.97233660	51214215.009192404	-283976.9946633049
76.0	152.0	-45210882.12435686	-1217422.717529841	7284727.2039479256
76.100000000000001	152.20000000000000	245329937.82562269	-1220634.649314727	9285478.4009998729
76.2	152.4	-45449150.0761341	-1223850.804547062	6286230.5858191469

76.3	152.6	-45568518.8758911	-1227071.183226846	286983.7584057476
76.4	152.8	-45688044.224893704	1230295.785354080	1287737.9187596751
76.5	153.0	-45807726.123141855	1233524.610928762	1288493.0668809291
76.600000000000001	153.20000000000000	245927564.57063563	-1236757.659950893	1289249.2027695101
76.7	153.4	-46047559.56737493	-1239994.932420472	1290006.3264254175
76.800000000000001	153.6	-46167711.11335985	-1243236.428337500	1290764.4378486516
76.9	153.8	-46288019.20859037	-1246482.147701979	1291523.5370392126
77.0	154.0	-46408483.853066444	1249732.090513905	1292283.6239971001
77.100000000000001	154.20000000000000	246529105.04678812	-1252986.256773280	1293044.6987223144
77.2	154.4	-46649882.789755374	1256244.646480105	1293806.7612148554
77.300000000000001	154.6	-46770817.08196818	-1259507.259634377	1294569.8114747228
77.4	154.8	-46891907.9234266	-1262774.096236099	1295333.8495019172
77.5	155.0	-47013155.314130604	1266045.156285270	1296098.8752964383
77.600000000000001	155.20000000000000	247134559.254080184	1269320.439781890	1296864.8888582861
77.7	155.4	-47256119.743275344	1272599.946725959	1297631.8901874604
77.800000000000001	155.6	-47377836.78171607	-1275883.677117476	1298399.8792839614
77.9	155.8	-47499710.369402416	1279171.630956443	1299168.8561477893
78.0	156.0	-47621740.506334335	1282463.808242858	1299938.8207789437
78.100000000000001	156.20000000000000	247743927.192511834	1285760.208976723	1300709.7731774249
78.2	156.4	-47866270.4279349	-1289060.833158036	1301481.7133432327
78.300000000000001	156.6	-47988770.21260358	-1292365.680786798	1302254.6412763672
78.4	156.8	-48111426.54651781	-1295674.751863009	1303028.5569768284
78.5	157.0	-48234239.42967763	-1298988.046386669	1303803.4604446162
78.600000000000001	157.20000000000000	248357208.862083055	1302305.564357778	1304579.3516797310
78.7	157.4	-48480334.84373404	-1305627.305776335	1305356.2306821722
78.800000000000001	157.6	-48603617.37463061	-1308953.270642342	1306134.0974519402
78.9	157.8	-48727056.45477277	-1312283.458955798	1306912.9519890349

79.0	158.0	-48850652.0841605	-1315617.870716701	7307692.7942934562
79.1000000000000001	158.2000000000000002	48974404.26279383	-1318956.505925055	6308473.6243652043
79.2	158.4	-49098312.99067274	-1322299.364580857	6309255.442204279
79.3000000000000001	158.6	-49222378.26779722	-1325646.446684108	-310038.2478106803
79.4	158.8	-49346600.09416733	-1328997.752234808	6310822.0411844086
79.5	159.0	-49470978.46978295	-1332353.281232957	311606.8223254633
79.6000000000000001	159.2000000000000002	49595513.39464421	1335713.033678555	2312392.5912338448
79.7	159.4	-49720204.86875102	-1339077.009571601	6313179.3479095530
79.8000000000000001	159.6	-49845052.89210343	-1342445.208912097	2313967.0923525878
79.9	159.8	-49970057.46470143	-1345817.631700042	2314755.8245629495
80.0	160.0	-50095218.58654499	-1349194.277935435	315545.5445406377
80.1000000000000001	160.2000000000000002	50220536.25763414	-1352575.147618277	2316336.2522856526
80.2	160.4	-50346010.47796887	-1355960.240748568	2317127.9477979942
80.3000000000000001	160.6	-50471641.24754919	-1359349.557326308	-317920.6310776624
80.4	160.8	-50597428.56637511	-1362743.097351497	318714.3021246576
80.5	161.0	-50723372.43444659	1366140.860824135	-319508.9609389792
80.6000000000000001	161.2000000000000002	50849472.85176366	-1369542.847744221	320304.6075206276
80.7	161.4	-50975729.81832631	-1372949.058111757	321101.2418696027
80.8000000000000001	161.6	-51102143.33413453	1376359.491926741	321898.8639859044
80.9	161.8	-51228713.39918836	-1379774.149189175	322697.4738695329
81.0	162.0	-51355440.01348777	-1383193.029899057	7323497.0715204881
81.1000000000000001	162.2000000000000002	51482323.17703276	-1386616.134056389	6324297.6569387700
81.2	162.4	-51609362.88982331	-1390043.461661168	325099.2301243784
81.3000000000000001	162.6	-51736559.15185945	1393475.012713398	-325901.7910773136
81.4	162.8	-51863911.96314119	1396910.787213076	-326705.3397975755
81.5	163.0	-51991421.32366851	-1400350.785160202	327509.8762851642
81.6000000000000001	163.2000000000000002	52119087.23344142	-1403795.006554778	328315.4005400794

81.7	163.4	-52246909.69245988	-1407243.451396803	-329121.9125623214
81.800000000000001	163.6	-52374888.70072394	-1410696.1196862762	-329929.41235189
81.9	163.8	-52503024.25823359	-1414153.011423199	-330737.8999087855
82.0	164.0	-52631316.364988826	-1417614.1266075703	-331547.3752330075
82.100000000000001	164.20000000000000	252759765.02098965	-1421079.4652393907	-332357.8383245562
82.2	164.4	-52888370.22623604	-1424549.0273186595	-333169.2891834316
82.300000000000001	164.6	-53017131.98072799	-1428022.8128453773	-333981.7278096337
82.4	164.8	-53146050.28446558	-1431500.8218195448	-334795.1542031626
82.5	165.0	-53275125.13744871	-1434983.0542411597	-335609.5683640179
82.600000000000001	165.20000000000000	253404356.53967746	-1438469.510110225	-336424.9702922003
82.7	165.4	-53533744.491151765	-1441960.1894267383	-337241.3599877091
82.800000000000001	165.6	-53663288.99187165	-1445455.0921907004	-338058.7374505445
82.9	165.8	-53792990.04183712	-1448954.218402112	-338877.1026807068
83.0	166.0	-53922847.64104819	-1452457.5680609723	-339696.4556781957
83.100000000000001	166.20000000000000	254052861.78950484	-1455965.141167282	-340516.7964430115
83.2	166.4	-54183032.48720706	-1459476.9377210399	-341338.1249751538
83.300000000000001	166.6	-54313359.73415486	-1462992.9577222464	-342160.4412746227
83.4	166.8	-54443843.53034824	-1466513.2011709023	-342983.7453414183
83.5	167.0	-54574483.87578722	-1470037.668067007	-343808.0371755407
83.600000000000001	167.20000000000000	254705280.770471804	-1473566.3584105612	-344633.31677699
83.7	167.4	-54836234.21440194	-1477099.2722015632	-345459.5841457657
83.800000000000001	167.6	-54967344.20757766	-1480636.4094400145	-346286.839281868
83.9	167.8	-55098610.74999898	-1484177.7701259155	-347115.0821852973
84.0	168.0	-55230033.84166585	-1487723.3542592642	-347944.312856053
84.100000000000001	168.20000000000000	255361613.48257832	-1491273.1618400624	-348774.5312941355
84.2	168.4	-55493349.67273638	-1494827.1928683093	-349605.7374995447
84.300000000000001	168.6	-55625242.41214002	-1498385.4473440053	-350437.9314722807



84.4	168.8	-55757291.70078924	-1501947.9252671506	351271.1132123433
84.5	169.0	-55889497.53868402	-1505514.6266377436	352105.2827197325
84.600000000000001	169.20000000000000	256021859.925824426	1509085.5514557865	352940.4399944485
84.7	169.4	-56154378.86221039	-1512660.699721278	353776.5850364911
84.800000000000001	169.6	-56287054.34784194	-1516240.0714342182	354613.7178458604
84.9	169.8	-56419886.38271908	-1519823.6665946075	355451.8384225564
85.0	170.0	-56552874.9668418	-1523411.4852024456	356290.9467665792
85.100000000000001	170.20000000000000	256686020.10021009	-1527003.5272577328	357131.0428779286
85.2	170.4	-56819321.78282399	-1530599.7927604695	357972.1267566049
85.300000000000001	170.6	-56952780.01468345	-1534200.2817106538	358814.1984026076
85.4	170.8	-57086394.795788504	-1537804.9941082879	359657.2578159371
85.5	171.0	-57220166.12613914	-1541413.9299533705	360501.3049965932
85.600000000000001	171.20000000000000	257354094.00573538	-1545027.0892459026	361346.3399445762
85.7	171.4	-57488178.43457716	-1548644.4719858828	362192.3626598857
85.800000000000001	171.6	-57622419.412664525	-1552266.0781733114	363039.3731425218
85.9	171.8	-57756816.9399975	-1555891.9078081904	363887.3713924848
86.0	172.0	-57891371.016576044	-1559521.9608905176	364736.3574097745
86.100000000000001	172.20000000000000	258026081.64240019	-1563156.237420294	365586.3311943909
86.2	172.4	-58160948.81746989	-1566794.737397518	366437.2927463336
86.300000000000001	172.6	-58295972.541785168	-1570437.4608221916	367289.2420656032
86.4	172.8	-58431152.81534607	-1574084.4076943153	368142.1791521998
86.5	173.0	-58566489.63815253	-1577735.5780138867	368996.1040061228
86.600000000000001	173.20000000000000	258701983.01020459	-1581390.9717809074	369851.0166273726
86.7	173.4	-58837632.93150222	-1585050.5889953768	370706.9170159491
86.800000000000001	173.6	-58973439.40204541	-1588714.4296572946	371563.8051718521
86.9	173.8	-59109402.42183423	-1592382.4937666624	372421.6810950821
87.0	174.0	-59245521.9908686	-1596054.7813234783	373280.5447856385

87.1000000000000001	174.2000000000000000	259381798.109148555	51599731.292327743	37374140.396243521
87.2	174.4	-59518230.77667411	-1603412.026779458	-375001.2354687318
87.3000000000000001	174.6	-59654819.99344522	-1607096.984678619	375863.0624612681
87.4	174.8	-59791565.75946193	-1610786.166025231	376725.8772211314
87.5	175.0	-59928468.07472421	-1614479.570819292	377589.6797483214
87.6000000000000001	175.2000000000000000	260065526.93923212	-1618177.199060802	378454.4700428382
87.7	175.4	-60202742.35298555	-1621879.050749760	379320.2481046814
87.8000000000000001	175.6	-60340114.31598459	-1625585.125886167	380187.0139338514
87.9	175.8	-60477642.82822922	-1629295.424470024	-381054.7675303481
88.0	176.0	-60615327.88971943	-1633009.946501329	-381923.5088941716
88.1000000000000001	176.2000000000000000	260753169.50045524	-1636728.691980083	382793.2380253218
88.2	176.4	-60891167.6604366	-1640451.660906286	-383663.9549237984
88.3000000000000001	176.6	-61029322.36966354	-1644178.853279937	384535.6595896018
88.4	176.8	-61167633.62813612	-1647910.269101039	-385408.3520227322
88.5	177.0	-61306101.43585420	-1651645.908369588	386282.0322231889
88.6000000000000001	177.2000000000000000	261444725.79281793	-1655385.771085586	387156.7001909725
88.7	177.4	-61583506.6990272	-1659129.857249033	388032.3559260827
88.8000000000000001	177.6	-61722444.15448209	-1662878.166859930	388908.9994285197
88.9	177.8	-61861538.15918255	-1666630.699918276	389786.6306982835
89.0	178.0	-62000788.71312859	-1670387.456424069	390665.2497353736
89.1000000000000001	178.2000000000000000	262140195.81632019	-1674148.436377312	391544.8565397906
89.2	178.4	-62279759.46875738	-1677913.639778004	392425.4511115343
89.3000000000000001	178.6	-62419479.67044017	-1681683.066626145	393307.0334506046
89.4	178.8	-62559356.42136855	-1685456.716921735	394189.6035570018
89.5	179.0	-62699389.72154249	-1689234.590664774	-395073.1614307256
89.6000000000000001	179.2000000000000000	262839579.57096203	-1693016.687855261	395957.707071776
89.7	179.4	-62979925.96962715	-1696803.008493197	396843.2404801530

89.800000000000001	179.6	-63120428.91753785	-1700593.552578583	-397729.7616558568
89.9	179.8	-63261088.41469414	-1704388.3201114172	-398617.2705988874
90.0	180.0	-63401904.461096	-1708187.3110917003	-399505.7673092446
90.100000000000001	180.20000000000000	263542877.05674347	-1711990.5255194323	-400395.2517869285
90.2	180.4	-63684006.20163649	-1715797.963394613	-401285.7240319390
90.300000000000001	180.6	-63825291.89577509	-1719609.6247172423	-402177.1840442762
90.4	180.8	-63966734.13915931	-1723425.5094873214	-403069.6318239404
90.5	181.0	-64108332.931789085	-1727245.617704849	-403963.067370931
90.600000000000001	181.20000000000000	264250088.27366445	-1731069.9493698254	-404857.4906852483
90.7	181.4	-64392000.16478538	-1734898.5044822504	-405752.9017668922
90.800000000000001	181.6	-64534068.60515189	-1738731.2830421245	-406649.3006158629
90.9	181.8	-64676293.594764024	-1742568.2850494483	-407546.6872321605
91.0	182.0	-64818675.13362171	-1746409.5105042197	-408445.0616157844
91.100000000000001	182.20000000000000	264961213.22172501	-1750254.9594064413	-409344.4237667353
91.2	182.4	-65103907.85907388	-1754104.6317561113	-410244.7736850128
91.300000000000001	182.6	-65246759.0456683	-1757958.5275532294	-411146.1113706167
91.4	182.8	-65389766.78150836	-1761816.6467977967	-412048.4368235477
91.5	183.0	-65532931.066593945	-1765678.9894898133	-412951.7500438052
91.600000000000001	183.20000000000000	265676251.900925145	-1769545.5556292795	-413856.0510313896
91.7	183.4	-65819729.28450193	-1773416.3452161937	-414761.3397863005
91.800000000000001	183.6	-65963363.21732427	-1777291.3582505563	-415667.616308538
91.9	183.8	-66107153.69939222	-1781170.5947323684	-416574.8805981023
92.0	184.0	-66251100.73070574	-1785054.054661629	-417483.1326549932
92.100000000000001	184.20000000000000	266395204.31126486	-1788941.73803834	-418392.3724792111
92.2	184.4	-66539464.441069536	-1792833.6448624982	-419302.6000707553
92.300000000000001	184.6	-66683881.12011981	-1796729.775134106	-420213.8154296264
92.4	184.8	-66828454.34841568	-1800630.1288531623	-421126.0185558240

92.5	185.0	-66973184.12595712	-1804534.7060196684	422039.2094493487
92.600000000000001	185.20000000000000	267118070.45274417	-1808443.5066336226	422953.3881101997
92.7	185.4	-67263113.32877675	-1812356.5306950258	423868.5545383776
92.800000000000001	185.6	-67408312.75405495	-1816273.778203878	424784.7087338821
92.9	185.8	-67553668.72857873	-1820195.2491601796	425701.8506967133
93.0	186.0	-67699181.25234807	-1824120.9435639286	426619.9804268710
93.100000000000001	186.20000000000000	267844850.32536303	-1828050.8614151282	427539.0979243557
93.2	186.4	-67990675.94762352	-1831985.0027137757	428459.203189167
93.300000000000001	186.6	-68136658.11912963	-1835923.3674598723	429380.2962213049
93.4	186.8	-68282796.83988132	-1839865.9556534183	430302.3770207697
93.5	187.0	-68429092.10987858	-1843812.767294412	431225.4455875608
93.600000000000001	187.20000000000000	268575543.92912143	-1847763.802382856	432149.5019216789
93.7	187.4	-68722152.29760985	-1851719.0609187484	433074.5460231236
93.800000000000001	187.6	-68868917.2153439	-1855678.542902089	434000.5778918949
93.9	187.8	-69015838.6823235	-1859642.2483328797	434927.5975279932
94.0	188.0	-69162916.69854867	-1863610.1772111184	435855.6049314179
94.100000000000001	188.20000000000000	269310151.26401943	-1867582.329536806	436784.6001021694
94.2	188.4	-69457542.3787358	-1871558.705309943	437714.5830402476
94.300000000000001	188.6	-69605090.04269771	-1875539.3045305284	438645.5537456523
94.4	188.8	-69752794.25590524	-1879524.1271985632	439577.5122183839
94.5	189.0	-69900655.01835835	-1883513.1733140466	440510.4584584422
94.600000000000001	189.20000000000000	270048672.33005702	-1887506.4428769792	441444.3924658272
94.7	189.4	-70196846.19100128	-1891503.9358873598	442379.3142405386
94.800000000000001	189.6	-70345176.60119112	-1895505.6523451898	443315.2237825769
94.9	189.8	-70493663.56062655	-1899511.5922504694	444252.121091942
95.0	190.0	-70642307.0693076	-1903521.7556031973	445190.0061686336
95.100000000000001	190.20000000000000	270791107.12723418	-1907536.1424033744	446128.8790126521

95.2	190.4	-70940063.73440635	-1911554.752650999	-2147068.7396239969
95.3000000000000001	190.6	-71089176.8908241	-1915577.586346073	-2148009.5880026687
95.4	190.8	-71238446.59648745	-1919604.643488598	-2148951.4241486672
95.5	191.0	-71387872.85139638	-1923635.92407857	-2149894.2480619923
95.6000000000000001	191.2000000000000002	271537455.65555093	-1927671.428115992	-2150838.0597426442
95.7	191.4	-71687195.00895102	-1931711.155600862	-2151782.8591906227
95.8000000000000001	191.6	-71837090.91159666	-1935755.106533180	-2152728.6464059277
95.9	191.8	-71987143.36348794	-1939803.280912948	-2153675.4213885597
96.0	192.0	-72137352.36462477	-1943855.678740166	-2154623.1841385183
96.1000000000000001	192.2000000000000002	272287717.91500722	-1947912.300014832	-2155571.9346558036
96.2	192.4	-72438240.01463524	-1951973.144736946	-2156521.6729404156
96.3000000000000001	192.6	-72588918.66350882	-1956038.212906509	-2157472.3989923540
96.4	192.8	-72739753.86162798	-1960107.504523522	-2158424.1128116195
96.5	193.0	-72890745.60899273	-1964181.019587983	-2159376.8143982115
96.6000000000000001	193.2000000000000002	273041893.9056031	-1968258.758099894	-2160330.5037521303
96.7	193.4	-73193198.75145902	-1972340.720059253	-2161285.1808733755
96.8000000000000001	193.6	-73344660.1465605	-1976426.905466061	-2162240.8457619476
96.9	193.8	-73496278.0909076	-1980517.314320318	-2163197.4984178464
97.0	194.0	-73648052.58450027	-1984611.946622024	-2164155.1388410719
97.1000000000000001	194.2000000000000002	273799983.62733854	-1988710.802371178	-2165113.7670316240
97.2	194.4	-73952071.21942239	-1992813.881567782	-2166073.3829895028
97.3000000000000001	194.6	-74104315.36075181	-1996921.184211835	-2167033.9867147084
97.4	194.8	-74256716.05132681	-2001032.710303336	-2167995.5782072407
97.5	195.0	-74409273.29114738	-2005148.459842286	-2168958.1574670995
97.6000000000000001	195.2000000000000002	274561987.08021356	-2009268.432828686	-2169921.7244942852
97.7	195.4	-74714857.41852531	-2013392.629262534	-2170886.2792887974
97.8000000000000001	195.6	-74867884.30608265	-2017521.049143831	-2171851.8218506364

97.9	195.8	-75021067.74288557	-2021653.6924725776	-472818.3521798021
98.0	196.0	-75174407.72893406	-2025790.559248772	-473785.8702762944
98.100000000000001	196.20000000000000	275327904.26422817	-2029931.649472416	-474754.3761401135
98.2	196.4	-75481557.34876782	-2034076.9631435086	-475723.8697712593
98.300000000000001	196.6	-75635366.9825531	-2038226.50026205	-476694.3511697317
98.4	196.8	-75789333.16558392	-2042380.2608280408	-477665.8203355308
98.5	197.0	-75943455.89786035	-2046538.24484148	-478638.2772686566
98.600000000000001	197.20000000000000	276097735.17938232	-2050700.4523023684	-479611.7219691091
98.7	197.4	-76252171.01014993	-2054866.883210705	-480586.1544368883
98.800000000000001	197.6	-76406763.39016306	-2059037.537566491	-481561.5746719941
98.9	197.8	-76561512.31942183	-2063212.4153697263	-482537.9826744267
99.0	198.0	-76716417.79792619	-2067391.516620410	-483515.3784441859
99.100000000000001	198.20000000000000	276871479.8256761	-2071574.841318543	-484493.7619812719
99.2	198.4	-77026698.40267156	-2075762.3894641239	-485473.1332856844
99.300000000000001	198.6	-77182073.52891263	-2079954.161057154	-486453.4923574237
99.4	198.8	-77337605.20439932	-2084150.1560976345	-487434.8391964899
99.5	199.0	-77493293.42913157	-2088350.3745855622	-488417.1738028825
99.600000000000001	199.20000000000000	277649138.2031094	-2092554.8165209403	-489400.4961766021
99.7	199.4	-77805139.5263328	-2096763.4819037656	-490384.806317648
99.800000000000001	199.6	-77961297.39880179	-2100976.3707340406	-491370.1042260207
99.9	199.8	-78117611.8205164	-2105193.4830117645	-492356.3899017203
100.0	200.0	-78274082.79147655	-2109414.818736937	-493343.6633447463
100.10000000000000	200.20000000000000	278430710.31168231	-2113640.3779095598	-494331.9245550994
100.2	200.4	-78587494.38113365	-2117870.1605296303	-495321.173532779
100.30000000000000	200.6	-78744434.99983053	-2122104.166597149	-496311.4102777849
100.4	200.8	-78901532.16777302	-2126342.3961121175	-497302.6347901178
100.5	201.0	-79058785.88496108	-2130584.8490745346	-498294.8470697774

100.60000000000000	201.20000000000000	279216196.15139475	-2134831.525484401	3499288.0471167639
100.7	201.4	-79373762.96707399	-2139082.425341716	-500282.2349310768
100.80000000000000	201.6	-79531486.33199883	-2143337.548646480	3501277.4105127164
100.9	201.8	-79689366.24616922	-2147596.895398692	7502273.5738616828
101.0	202.0	-79847402.7095852	-2151860.465598354	5503270.7249779758
101.10000000000000	202.20000000000000	280005595.72224681	-2156128.259245465	5504268.8638615956
101.2	202.4	-80163945.28415395	-2160400.276340025	-505267.990512542
101.30000000000000	202.6	-80322451.39530669	-2164676.516882033	5506268.1049308151
101.4	202.8	-80481114.05570501	-2168956.980871490	7507269.2071164149
101.5	203.0	-80639933.26534891	-2173241.668308397	-508271.2970693413
101.60000000000000	203.20000000000000	280798909.02423844	-2177530.579192752	-509274.3747895946
101.7	203.4	-80958041.33237348	-2181823.713524556	3510278.4402771744
101.80000000000000	203.6	-81117330.18975413	-2186121.071303809	-511283.493532081
101.9	203.8	-81276775.5963804	-2190422.652530511	4512289.5345543143
102.0	204.0	-81436377.55225219	-2194728.457204661	-513296.563343874
102.10000000000000	204.20000000000000	281596136.0573696	-2199038.485326261	7514304.5799007609
102.2	204.4	-81756051.11173257	-2203352.73689531	-515313.584224974
102.30000000000000	204.6	-81916122.71534115	-2207671.211911807	-516323.576316514
102.4	204.8	-82076350.86819531	-2211993.910375754	3517334.5561753809
102.5	205.0	-82236735.57029502	-2216320.832287148	6518346.523801574
102.60000000000000	205.20000000000000	282397276.82164034	-2220651.977645993	-519359.4791950943
102.7	205.4	-82557974.62223126	-2224987.346452285	5520373.422355941
102.80000000000000	205.6	-82718828.97206773	-2229326.938706027	3521388.3532841144
102.9	205.8	-82879839.87114982	-2233670.754407219	-522404.2719796148
103.0	206.0	-83041007.31947747	-2238018.793555858	5523421.1784424415
103.10000000000000	206.20000000000000	283202331.3170507	-2242371.056151947	-524439.072672595
103.2	206.4	-83363811.86386952	-2246727.542195484	4525457.9546700752

103.30000000000000	206.6	-83525448.95993389	-2251088.2516864706	-526477.824434882
103.4	206.8	-83687242.60524389	-2255453.1846249066	-527498.6819670157
103.5	207.0	-83849192.79979949	-2259822.3410107903	-528520.5272664761
103.60000000000000	207.20000000000000	284011299.54360063	-2264195.720844124	-529543.3603332632
103.7	207.4	-84173562.83664735	-2268573.3241249053	-530567.1811673766
103.80000000000000	207.6	-84335982.67893964	-2272955.150853136	-531591.989768817
103.9	207.8	-84498559.07047759	-2277341.2010288164	-532617.7861375841
104.0	208.0	-84661292.01126102	-2281731.474651945	-533644.5702736777
104.10000000000000	208.20000000000000	284824181.50129011	-2286125.971722523	-534672.3421770984
104.2	208.4	-84987227.54056472	-2290524.6922405483	-535701.1018478452
104.30000000000000	208.6	-85150430.12908494	-2294927.6362060234	-536730.8492859189
104.4	208.8	-85313789.26685078	-2299334.8036189484	-537761.5844913196
104.5	209.0	-85477304.95386215	-2303746.194479321	-538793.3074640466
104.60000000000000	209.20000000000000	285640977.19011916	-2308161.808787144	-539826.0182041007
104.7	209.4	-85804805.97562173	-2312581.646542415	-540859.7167114812
104.80000000000000	209.6	-85968791.31036983	-2317005.707745134	-541894.4029861883
104.9	209.8	-86132933.1943636	-2321433.9923953027	-542930.0770282223
105.0	210.0	-86297231.62760288	-2325866.500492921	-543966.738837583
105.10000000000000	210.20000000000000	286461686.6100878	-2330303.232037988	-545004.3884142704
105.2	210.4	-86626298.14181826	-2334744.1870305026	-546043.0257582843
105.30000000000000	210.6	-86791066.2227943	-2339189.365470466	-547082.6508696247
105.4	210.8	-86955990.85301596	-2343638.7673578802	-548123.2637482923
105.5	211.0	-87121072.03248318	-2348092.392692743	-549164.8643942864
105.60000000000000	211.20000000000000	287286309.761196	-2352550.2414750536	-550207.4528076071
105.7	211.4	-87451704.03915437	-2357012.3137048134	-551251.0289882546
105.80000000000000	211.6	-87617254.86635835	-2361478.609382022	-552295.5929362287
105.9	211.8	-87782962.2428079	-2365949.12850668	-553341.1446515295



106.0	212.0	-87948826.16850305	-2370423.871078786	-554387.684134157
106.10000000000000	212.20000000000000	288114846.64344378	-2374902.837098342	-555435.2113841113
106.2	212.4	-88281023.66763008	-2379386.026565347	-556483.7264013923
106.30000000000000	212.6	-88447357.24106196	-2383873.4394797995	-557533.2291859997
106.4	212.8	-88613847.36373943	-2388365.075841702	-558583.7197379347
106.5	213.0	-88780494.03566247	-2392860.9356510523	-559635.1980571947
106.60000000000000	213.20000000000000	288947297.25683111	-2397361.0189078534	-560687.6641437827
106.7	213.4	-89114257.02724536	-2401865.325612102	-561741.117997697
106.80000000000000	213.6	-89281373.34690514	-2406373.8557637995	-562795.559618938
106.9	213.8	-89448646.21581052	-2410886.609362947	-563850.9890075058
107.0	214.0	-89616075.63396148	-2415403.5864095413	-564907.4061634
107.10000000000000	214.20000000000000	289783661.60135804	-2419924.786903587	-565964.8110866214
107.2	214.4	-89951404.1180002	-2424450.21084508	-567023.2037771691
107.30000000000000	214.6	-90119303.18388787	-2428979.8582340223	-568082.5842350435
107.4	214.8	-90287358.7990212	-2433513.729070414	-569142.9524602448
107.5	215.0	-90455570.9634001	-2438051.823354254	-570204.3084527727
107.60000000000000	215.20000000000000	290623939.67702454	-2442594.1410855423	-571266.6522126271
107.7	215.4	-90792464.93989459	-2447140.6822642805	-572329.9837398084
107.80000000000000	215.6	-90961146.7520102	-2451691.446890467	-573394.3030343163
107.9	215.8	-91129985.11337148	-2456246.4349641036	-574459.610096151
108.0	216.0	-91298980.02397825	-2460805.646485187	-575525.9049253123
108.10000000000000	216.20000000000000	291468131.48383065	-2465369.0814537215	-576593.1875218003
108.2	216.4	-91637439.49292856	-2469936.739869703	-577661.4578856148
108.30000000000000	216.6	-91806904.05127214	-2474508.621733134	-578730.7160167563
108.4	216.8	-91976525.15886126	-2479084.727044014	-579800.9619152243
108.5	217.0	-92146302.81569596	-2483665.0558023434	-580872.195581019
108.60000000000000	217.20000000000000	292316237.02177627	-2488249.6080081225	-581944.4170141408

108.7	217.4	-92486327.77710213	-2492838.383661348	-583017.6262145885
108.80000000000000	217.6	-92656575.0816736	-2497431.382762024	-584091.8231823635
108.9	217.8	-92826978.93549065	-2502028.605310148	-585167.007917465
109.0	218.0	-92997539.33855328	-2506630.051305723	-586243.1804198932
109.10000000000000	218.20000000000000	293168256.29086152	-2511235.720748745	-587320.3406896482
109.2	218.4	-93339129.79241529	-2515845.613639216	-588398.4887267296
109.30000000000000	218.6	-93510159.84321465	-2520459.729977136	-589477.6245311379
109.4	218.8	-93681346.44325961	-2525078.069762505	-590557.7481028729
109.5	219.0	-93852689.59255017	-2529700.632995323	-591638.8594419345
109.60000000000000	219.20000000000000	294024189.29108632	-2534327.419675590	-592720.9585483229
109.7	219.4	-94195845.538868	-2538958.429803306	-593804.045422038
109.80000000000000	219.6	-94367658.33589527	-2543593.663378470	-594888.1200630795
109.9	219.8	-94539627.68216817	-2548233.120401084	-595973.1824714481
110.0	220.0	-94711753.57768661	-2552876.800871147	-597059.2326471432
110.10000000000000	220.20000000000000	294884036.02245067	-2557524.704788659	-598146.270590165
110.2	220.4	-95056475.01646028	-2562176.832153619	-599234.2963005134
110.30000000000000	220.6	-95229070.5597155	-2566833.182966028	-600323.3097781887
110.4	220.8	-95401822.65221626	-2571493.757225886	-601413.3110231905
110.5	221.0	-95574731.29396264	-2576158.554933192	-602504.3000355188
110.60000000000000	221.20000000000000	295747796.48495458	-2580827.576087949	-603596.2768151743
110.7	221.4	-95921018.22519214	-2585500.820690154	-604689.2413621562
110.80000000000000	221.6	-96094396.51467526	-2590178.288739808	-605783.1936764648
110.9	221.8	-96267931.35340397	-2594859.980236910	-606878.1337581002
111.0	222.0	-96441622.74137825	-2599545.895181461	-607974.061607062
111.10000000000000	222.20000000000000	296615470.67859812	-2604236.033573462	-609070.9772233508
111.2	222.4	-96789475.16506357	-2608930.395412911	-610168.8806069662
111.30000000000000	222.6	-96963636.20077461	-2613628.980699809	-611267.771757908

111.4	222.8	-97137953.78573124	-2618331.789434157	-612367.650676177
111.5	223.0	-97312427.91993341	-2623038.821615952	-613468.5173617724
111.60000000000000	223.20000000000000	297487058.60338122	-2627750.077245197	-614570.3718146946
111.7	223.4	-97661845.83607458	-2632465.5563218906	-615673.2140349431
111.80000000000000	223.6	-97836789.6180135	-2637185.258846034	-616777.0440225188
111.9	223.8	-98011889.9491981	-2641909.184817625	-617881.8617774211
112.0	224.0	-98187146.82962815	-2646637.334236665	-618987.6672996497
112.10000000000000	224.20000000000000	298362560.25930388	-2651369.707103155	-620094.4605892055
112.2	224.4	-98538130.23822516	-2656106.303417092	-621202.2416460876
112.30000000000000	224.6	-98713856.76639202	-2660847.12317848	-622311.0104702967
112.4	224.8	-98889739.8438045	-2665592.166387317	-623420.7670618325
112.5	225.0	-99065779.4704625	-2670341.433043601	-624531.5114206946
112.60000000000000	225.20000000000000	299241975.64636612	-2675094.923147335	-625643.2435468837
112.7	225.4	-99418328.37151529	-2679852.636698518	-626755.9634403995
112.80000000000000	225.6	-99594837.6459101	-2684614.573697149	-627869.6711012417
112.9	225.8	-99771503.46955045	-2689380.73414323	-628984.3665294109
113.0	226.0	-99948325.84243637	-2694151.11803676	-630100.0497249067
113.10000000000000	226.20000000000000	2100125304.7645679	-2698925.725377738	-631216.7206877293
113.2	226.4	-100302440.2359450	-2703704.556166165	-632334.3794178783
113.30000000000000	226.6	-100479732.2565677	-2708487.610402041	-633453.0259153543
113.4	226.8	-100657180.826436	-2713274.888085366	-634572.6601801567
113.5	227.0	-100834785.9455498	-2718066.389216140	-635693.2822122859
113.60000000000000	227.20000000000000	2101012547.6139093	-2722862.113794363	-636814.892011742
113.7	227.4	-101190465.8315143	-2727662.061820034	-637937.4895785244
113.80000000000000	227.6	-101368540.5983649	-2732466.233293155	-639061.0749126336
113.9	227.8	-101546771.9144611	-2737274.628213725	-640185.6480140699
114.0	228.0	-101725159.7798029	-2742087.246581743	-641311.2088828324

114.10000000000000	228.20000000000000	2101903704.1943903	-2746904.088397211	-642437.7575189219
114.2	228.4	-102082405.15822324	2751725.153660127	-643565.2939223378
114.30000000000000	228.6	-102261262.6713017	-2756550.442370491	-644693.8180930804
114.4	228.8	-102440276.73362584	2761379.954528306	-645823.33003115
114.5	229.0	-102619447.34519555	2766213.6901335684	-646953.829736546
114.60000000000000	229.20000000000000	2102798774.5060108	-2771051.649186281	-648085.3172092692
114.7	229.4	-102978258.21607167	2775893.831686442	-649217.7924493187
114.80000000000000	229.6	-103157898.47537808	2780740.23763405	-650351.2554566944
114.9	229.8	-103337695.28393014	2785590.8670291095	-651485.7062313976
115.0	230.0	-103517648.64172772	2790445.719871616	-652621.144773427
115.10000000000000	230.20000000000000	2103697758.54877093	2795304.796161574	-653757.5710827836
115.2	230.4	-103878025.00505969	2800168.0958989784	-654894.9851594664
115.30000000000000	230.6	-104058448.01059404	2805035.619083832	-656033.387003476
115.4	230.8	-104239027.56537397	2809907.3657161347	-657172.7766148122
115.5	231.0	-104419763.66939947	2814783.335795887	-658313.1539934754
115.60000000000000	231.20000000000000	2104600656.32267064	2819663.529323088	-659454.5191394651
115.7	231.4	-104781705.52518728	2824547.946297738	-660596.8720527815
115.80000000000000	231.6	-104962911.27694952	2829436.586719836	-661740.2127334245
115.9	231.8	-105144273.57795739	2834329.4505893844	-662884.5411813946
116.0	232.00000000000000	3105325792.42821085	2839226.5379063804	-664029.8573966909
116.10000000000000	232.20000000000000	2105507467.82770985	2844127.8486708244	-665176.1613793138
116.2	232.4	-105689299.77645443	2849033.3828827194	-666323.453129264
116.30000000000000	232.6	-105871288.27444464	2853943.1405420615	-667471.7326465403
116.4	232.79999999999999	3106053433.32168038	2858857.1216488536	-668620.9999311435
116.5	233.0	-106235734.91816172	2863775.326203095	-669771.2549830734
116.60000000000000	233.20000000000000	5106418193.06388874	2868697.754204786	-670922.4978023304
116.7	233.40000000000000	3106600807.75886124	2873624.4056539237	-672074.7283889136

116.80000000000000	233.59999999999997	7106783579.00307928	2878555.28055051	-673227.9467428231
116.9	233.8	-106966506.79654299	2883490.378894547	-674382.15286406
117.0	234.0	-107149591.13925225	2888429.700686032	-675537.3467526232
117.10000000000000	234.20000000000002	107332832.03120711	-2893373.245924967	-676693.5284085134
117.2	234.4	-107516229.4724075	-2898321.0146113494	-677850.69783173
117.30000000000000	234.6	-107699783.4628535	-2903273.0067451815	-679008.8550222735
117.4	234.79999999999998	107883494.0025451	-2908229.2223264626	-680167.9999801436
117.5	234.99999999999997	108067361.09148227	2913189.661355192	-681328.1327053404
117.60000000000000	235.20000000000002	108251384.7296651	2918154.3238313724	-682489.2531978643
117.7	235.40000000000003	108435564.91709344	2923123.2097549993	-683651.3614577143
117.80000000000000	235.60000000000002	108619901.65376735	2928096.3191260756	-684814.4574848912
117.9	235.8	-108804394.93968685	2933073.6519446014	-685978.5412793948
118.0	236.0	-108989044.77485195	2938055.208210575	-687143.6128412249
118.10000000000000	236.2	-109173851.15926264	2943040.9879239984	-688309.6721703819
118.2	236.4	-109358814.09291886	2948030.9910848704	-689476.7192668655
118.30000000000000	236.6	-109543933.5758207	2953025.217693191	-690644.7541306757
118.4	236.80000000000004	109729209.60796818	2958023.6677489625	-691813.7767618132
118.5	236.99999999999997	109914642.18936113	2963026.3412521794	-692983.7871602766
118.60000000000000	237.20000000000002	110100231.31999975	2968033.238202848	-694154.785326067
118.7	237.4	-110285976.9998839	2973044.3586009643	-695326.7712591841
118.80000000000000	237.60000000000002	110471879.22901368	2978059.7024465306	-696499.7449596281
118.9	237.8	-110657938.00738902	2983079.2697395445	-697673.7064273983
119.0	238.0	-110844153.3350099	2988103.0604800065	-698848.6556624953
119.10000000000000	238.2	-111030525.21187642	2993131.0746679185	-700024.592664919
119.2	238.39999999999998	111217053.6379885	-2998163.3123032795	-701201.5174346695
119.30000000000000	238.6	-111403738.61334617	3003199.7733860905	-702379.429971747
119.4	238.80000000000004	111590580.13794947	3008240.45791635	-703558.3302761511

119.5	239.00000000000000	3111777578.2117983	-3013285.365894057	-704738.2183478815
119.60000000000000	239.20000000000000	2111964732.8348927	-3018334.497319213	6705919.0941869387
119.7	239.4	-112152044.0072327	43023387.85219182	-707100.957793323
119.80000000000000	239.6	-112339511.7288183	-3028445.430511873	7708283.8091670334
119.9	239.8	-112527135.9996494	53033507.232279376	6709467.6483080706
120.0	240.0	-112714916.8197262	-3038573.257494328	5710652.4752164347
120.10000000000000	240.20000000000000	5112902854.1890485	73043643.506156731	-711838.2898921258
120.2	240.39999999999998	8113090948.1076164	43048717.97826658	-713025.0923351429
120.30000000000000	240.59999999999997	7113279198.5754299	33053796.673823878	-714212.8825454869
120.4	240.8	-113467605.5924891	-3058879.592828627	7715401.6605231581
120.5	241.00000000000000	3113656169.1587937	53063966.735280824	4716591.4262681556
120.60000000000000	241.20000000000000	2113844889.2743439	83069058.101180468	7717782.1797804794
120.7	241.4	-114033765.9391398	-3074153.690527563	4718973.9210601303
120.80000000000000	241.6	-114222799.1531812	33079253.503322107	3720166.650107108
120.9	241.79999999999998	8114411988.9164682	-3084357.539564099	6721360.3669214123
121.0	242.0	-114601335.2290008	-3089465.799253540	6722555.0715030432
121.10000000000000	242.20000000000000	5114790838.0907789	63094578.282390431	5723750.763852001
121.2	242.40000000000000	3114980497.5018027	63099694.988974770	5724947.4439682853
121.30000000000000	242.59999999999997	7115170313.4620720	33104815.919006557	-726145.111851896
121.4	242.8	-115360285.9715869	93109941.072485794	3727343.7675028337
121.5	243.0	-115550415.0303474	23115070.449412480	5728543.4109210983
121.60000000000000	243.20000000000000	2115740700.6383535	43120204.049786614	7729744.0421066893
121.7	243.4	-115931142.7956051	83125341.873608198	5730945.6610596072
121.80000000000000	243.6	-116121741.5021024	33130483.920877230	4732148.2677798514
121.9	243.79999999999998	8116312496.7578452	43135630.191593711	7733351.8622674226
122.0	243.99999999999997	7116503408.5628336	83140780.685757641	7734556.4445223204
122.10000000000000	244.20000000000000	2116694476.9170677	23145935.403369022	-735762.0145445452

122.2	244.40000000000000	3116885701.82054725	3151094.3444278496	6736968.5723340964
122.30000000000000	244.60000000000000	2117077083.27327242	3156257.5089341267	738176.1178909744
122.4	244.8	-117268621.27524316	3161424.896887852	-739384.6512151787
122.5	245.0	-117460315.82645948	3166596.5082890266	740594.1723067099
122.60000000000000	245.2	-117652166.9269214	3171772.34313765	-741804.681165568
122.7	245.4	-117844174.5766289	3176952.401433721	743016.1777917525
122.80000000000000	245.6	-118036338.77558194	3182136.683177244	-744228.6621852639
122.9	245.80000000000000	4118228659.52378066	3187325.1883682148	745442.1343461022
123.0	245.99999999999999	7118421136.82122484	3192517.917006633	-746656.5942742667
123.10000000000000	246.20000000000000	2118613770.6679147	-3197714.869092501	747872.0419697582
123.2	246.4	-118806561.06385009	3202916.044625819	-749088.4774325766
123.30000000000000	246.60000000000000	2118999508.00903109	3208121.4436065853	750305.9006627214
123.4	246.8	-119192611.50345767	3213331.066034799	751524.3116601928
123.5	247.0	-119385871.54712978	3218544.911910462	752743.7104249909
123.60000000000000	247.2	-119579288.14004754	3223762.9812335745	753964.0969571156
123.7	247.39999999999999	3119772861.28221086	3228985.2740041367	755185.4712565673
123.80000000000000	247.6	-119966590.97361974	3234211.790222146	-756407.8333233452
123.9	247.80000000000000	4120160477.21427426	3239442.5298876073	757631.1831574508
124.0	248.00000000000000	3120354520.00417435	3244677.493000515	-758855.5207588822
124.10000000000000	248.20000000000000	2120548719.34331997	3249916.679560872	-760080.8461276405
124.2	248.4	-120743075.23171112	3255160.089568678	-761307.1592637255
124.30000000000000	248.6	-120937587.66934802	3260407.7230239315	762534.460167137
124.4	248.8	-121132256.65623045	3265659.579926635	-763762.7488378753
124.5	249.0	-121327082.19235842	3270915.6602767883	764992.0252759407
124.60000000000000	249.20000000000000	5121522064.2777320	3276175.964074391	-766222.2894813325
124.7	249.39999999999999	3121717202.91235113	3281440.4913194403	767453.5414540508
124.80000000000000	249.59999999999999	7121912498.09621584	3286709.2420119382	768685.7811940956

124.9	249.8	-122107949.82932623	3291982.216151889	-769919.008701468
125.0	250.00000000000000	3122303558.1116821	-3297259.413739285	-771153.2239761662
125.10000000000000	250.20000000000000	7122499322.94328365	3302540.8347741324	4772388.4270181918
125.2	250.4	-122695244.32413064	3307826.479256426	-773624.6178275434
125.30000000000000	250.6	-122891322.2542233	-3313116.3471861696	774861.796404222
125.4	250.79999999999999	3123087556.73356152	3318410.4385633618	776099.9627482272
125.5	251.0	-123283947.76214536	3323708.753388004	-777339.1168595592
125.60000000000000	251.20000000000000	5123480495.33997478	3329011.2916600946	778579.2587382179
125.7	251.40000000000000	3123677199.46704973	3334318.053379634	-779820.3883842033
125.80000000000000	251.59999999999999	7123874060.14337026	3339629.0385466213	781062.505797515
125.9	251.8	-124071077.36893643	3344944.247161059	-782305.610978154
126.0	252.0	-124268251.14374815	3350263.679222945	-783549.7039261194
126.10000000000000	252.20000000000000	5124465581.46780552	3355587.3347322815	784794.7846414119
126.2	252.4	-124663068.34110837	3360915.2136890637	786040.8531240302
126.30000000000000	252.6	-124860711.76365682	3366247.316093296	-787287.9093739757
126.4	252.79999999999999	3125058511.73545092	3371583.6419449775	788535.9533912477
126.5	252.99999999999999	7125256468.25649053	3376924.191244107	-789784.9851758465
126.60000000000000	253.20000000000000	2125454581.3267758	-3382268.963990689	-791035.0047277724
126.7	253.40000000000000	3125652850.9463066	-3387617.9601847176	792286.0120470248
126.80000000000000	253.60000000000000	2125851277.115083	-3392971.179826194	-793538.0071336036
126.9	253.8	-126049859.83310497	3398328.622915121	-794790.9899875093
127.0	254.0	-126248599.10037253	3403690.2894514957	796044.9606087416
127.10000000000000	254.20000000000000	5126447494.91688572	3409056.17943532	-797299.9189973007
127.2	254.4	-126646547.28264436	3414426.2928665914	798555.865153186
127.30000000000000	254.6	-126845756.19764867	3419800.629745313	-799812.7990763985
127.4	254.80000000000000	4127045121.6618986	-3425179.190071485	-801070.7207669378
127.5	254.99999999999999	7127244643.675394	-3430561.9738451038	802329.6302248033



127.60000000000000	255.20000000000000	2127444322.2381351	3435948.981066172	503589.5274499959
127.7	255.4	-127644157.3501217	3441340.21173469	-804850.4124425149
127.80000000000000	255.60000000000000	2127844149.0113539	3446735.665850656	606112.285202361
127.9	255.80000000000000	7128044297.2218318	4452135.343414072	-807375.1457295335
128.0	256.0	-128244601.9815551	3457539.244424935	408638.9940240326
128.1	256.2	-128445063.2905241	3462947.368883247	-809903.8300858582
128.20000000000000	256.4	-128645681.1487386	3468359.716789009	511169.6539150109
128.3	256.6	-128846455.5561988	3473776.288142221	-812436.4655114904
128.4	256.8	-129047386.5129045	3479197.082942879	813704.2648752963
128.5	257.0	-129248474.0188558	3484622.101190989	-814973.052006429
128.6	257.2	-129449718.0740527	3490051.342886545	-816242.8269048881
128.70000000000000	257.4	-129651118.6784951	3495484.808029550	617513.5895706738
128.8	257.6	-129852675.8321832	3500922.496620008	-818785.3400037871
128.9	257.8	-130054389.5351169	3506364.408657911	820058.0782042263
129.0	258.0	-130256259.7872961	3511810.544143264	-821331.8041719925
129.1	258.2	-130458286.5887208	3517260.903076065	822606.5179070851
129.20000000000000	258.4	-130660469.9393912	3522715.485456316	823882.2194095047
129.3	258.6	-130862809.8393073	3528174.291284017	825158.908679251
129.4	258.8	-131065306.2884688	3533637.320559166	-826436.5857163239
129.5	259.0	-131267959.2868759	3539104.573281763	-827715.2505207234
129.6	259.2	-131470768.8345286	3544576.049451809	-828994.9030924495
129.70000000000000	259.4	-131673734.9314269	3550051.749069303	-830275.5434315022
129.8	259.6	-131876857.5775708	3555531.672134249	-831557.1715378823
129.9	259.8	-132080136.7729602	3561015.818646641	-832839.7874115882
130.0	260.0	-132283572.5175953	3566504.188606483	-834123.3910526213
130.1	260.2	-132487164.8114759	3571996.782013773	835407.9824609809
130.20000000000000	260.4	-132690913.6546021	3577493.598868513	836693.5616366672

130.3	260.6	-132894819.046974	-3582994.639170703	-837980.1285796806
130.4	260.8	-133098880.9885914	-3588499.90292034	-839267.6832900203
130.5	261.0	-133303099.4794543	-3594009.3901174273	-840556.2257676868
130.6	261.2	-133507474.5195629	-3599523.100761962	-841845.7560126799
130.70000000000000	261.4	-133712006.10891703	-3605041.0348539464	-843136.2740249997
130.8	261.6	-133916694.24751674	-3610563.1923933807	-844427.7798046465
130.9	261.8	-134121538.93536204	-3616089.573380261	-845720.2733516194
131.0	262.0	-134326540.1724529	-3621620.177814592	-847013.7546659192
131.1	262.2	-134531697.95878935	-3627155.005696372	-848308.2237475459
131.20000000000000	262.4	-134737012.29437134	-3632694.0570256	-849603.680596499
131.3	262.6	-134942483.17919904	-3638237.331802279	-850900.1252127793
131.4	262.8	-135148110.61327225	-3643784.8300264054	-852197.5575963858
131.5	263.0	-135353894.59659106	-3649336.5516979815	-853495.9777473193
131.6	263.2	-135559835.12915543	-3654892.4968170044	-854795.385665579
131.70000000000000	263.4	-135765932.21096537	-3660452.6653834777	-856095.7813511657
131.8	263.6	-135972185.84202096	-3666017.0573974005	-857397.1648040792
131.9	263.8	-136178596.02232206	-3671585.672858772	-858699.5360243195
132.0	264.0	-136385162.75186872	-3677158.511767591	-860002.8950118861
132.1	264.2	-136591886.03066096	-3682735.5741238585	-861307.2417667792
132.20000000000000	264.4	-136798765.85869884	-3688316.859927576	-862612.5762889994
132.3	264.6	-137005802.23598233	-3693902.369178745	-863918.8985785467
132.4	264.8	-137212995.16251138	-3699492.1018773597	-865226.2086354202
132.5	265.0	-137420344.63828596	-3705086.0580234244	-866534.5064596205
132.6	265.2	-137627850.66330618	-3710684.237616937	-867843.7920511472
132.70000000000000	265.4	-137835513.23757195	-3716286.6406578994	-869154.065410001
132.8	265.6	-138043332.36108344	-3721893.267146311	-870465.3265361813
132.9	265.8	-138251308.03384036	-3727504.117082171	-871777.5754296884

133.0	266.0	-138459440.25584286	6733119.1904654806	673090.8120905223
133.1	266.2	-138667729.02709094	6738738.487296236	674405.036518682
133.20000000000000	266.4	-138876174.34758464	6744362.007574443	675720.248714169
133.3	266.6	-139084776.21732396	6749989.7513001	677036.4486769832
133.4	266.8	-139293534.63630882	6755621.718473204	678353.6364071234
133.5	267.0	-139502449.60453928	6761257.909093757	679671.8119045907
133.6	267.2	-139711521.1220153	6766898.3231617594	680990.9751693843
133.70000000000000	267.4	-139920749.18873692	6772542.96067721	682311.1262015046
133.8	267.6	-140130133.80470416	6778191.821640111	683632.2650009523
133.9	267.8	-140339674.96991694	6783844.9060504595	684954.3915677259
134.0	268.0	-140549372.6843753	6789502.2139082574	686277.5059018265
134.1	268.2	-140759226.94807923	6795163.745213504	687601.6080032538
134.20000000000000	268.4	-140969237.76102868	6800829.4999661986	688926.6978720075
134.3	268.6	-141179405.12322387	6806499.4781663446	690252.7755080884
134.4	268.8	-141389729.03466454	6812173.679813938	691579.8409114958
134.5	269.0	-141600209.49535084	6817852.104908979	692907.8940822296
134.6	269.2	-141810846.50528267	6823534.7534514717	694236.9350202905
134.70000000000000	269.4	-142021640.0644601	6829221.6254414106	695566.9637256777
134.8	269.6	-142232590.1728832	6834912.7208788013	696897.9801983922
134.9	269.8	-142443696.83055177	6840608.0397636383	698229.9844384327
135.0	270.0	-142654960.037466	6846307.5820959257	699562.9764458004
135.1	270.2	-142866379.79362577	6852011.3478756609	700896.9562204944
135.20000000000000	270.4	-143077956.09903115	6857719.337102846	702231.9237625154
135.3	270.6	-143289688.95368215	6863431.54977748	703567.879071863
135.4	270.8	-143501578.3575786	6869147.985899561	704904.8221485369
135.5	271.0	-143713624.31072068	6874868.6454690923	706242.7529925379
135.6	271.2	-143925826.81310838	6880593.5284860726	707581.6716038655

135.70000000000000	271.4	-144138185.86474165	3886322.634950502	-908921.5779825198
135.8	271.6	-144350701.46562055	3892055.964862381	-910262.472128501
135.9	271.8	-144563373.615745	-3897793.518221707	-911604.3540418086
136.0	272.0	-144776202.315115	-3903535.2950284835	912947.2237224431
136.1	272.2	-144989187.56373063	3909281.2952827066	914291.0811704037
136.20000000000000	272.4	-145202329.3615918	-3915031.5189843806	915635.9263856916
136.3	272.6	-145415627.70869863	3920785.9661335046	916981.7593683064
136.4	272.8	-145629082.60505095	3926544.636730076	-918328.5801182474
136.5	273.0	-145842694.05064887	3932307.5307740937	919676.3886355148
136.6	273.2	-146056462.04549235	3938074.648265563	-921025.1849201092
136.70000000000000	273.40000000000003	146270386.58958155	3943845.989204483	-922374.9689720309
136.8	273.6	-146484467.68291616	3949621.55359085	-923725.7407912789
136.9	273.8	-146698705.32549646	3955401.3414246645	925077.500377853
137.0	274.0	-146913099.5173223	-3961185.35270593	-926430.2477317544
137.1	274.2	-147127650.25839373	3966973.587434644	-927783.9828529825
137.20000000000000	274.40000000000003	147342357.54871082	3972766.045610807	-929138.7057415373
137.3	274.6	-147557221.38827342	3978562.727234419	-930494.4163974187
137.4	274.8	-147772241.77708164	3984363.632305479	-931851.1148206268
137.5	275.0	-147987418.71513537	3990168.760823988	-933208.8010111613
137.6	275.2	-148202752.20243466	3995978.1127899447	934567.4749690223
137.70000000000000	275.40000000000003	148418242.23897964	4001791.688203353	-935927.1366942107
137.8	275.6	-148633888.82477015	4007609.487064209	-937287.7861867256
137.9	275.8	-148849691.95980623	4013431.5093725133	938649.4234465669
138.0	276.0	-149065651.6440879	-4019257.7551282668	940012.048473735
138.1	276.2	-149281767.87761515	4025088.2243314683	941375.6612682296
138.20000000000000	276.40000000000003	149498040.66038808	4030922.916982122	-942740.2618300517
138.3	276.6	-149714469.99240652	4036761.833080223	-944105.8501591999

138.4	276.8	-149931055.8736705	-4042604.972625772	-945472.4262556747
138.5	277.0	-150147798.3041801	-4048452.335618769	-946839.9901194763
138.6	277.2	-150364697.2839352	-4054303.922059217	-948208.5417506045
138.70000000000000	277.40000000000003	150581752.8129361	4060159.731947114	-949578.0811490599
138.8	277.6	-150798964.8911823	-4066019.765282456	-950948.608314841
138.9	277.8	-151016333.5186743	-4071884.022065251	-952320.1232479494
139.0	278.0	-151233858.6954118	-4077752.502295493	-953692.6259483844
139.1	278.2	-151451540.4213949	-4083625.205973184	-955066.116416146
139.20000000000000	278.40000000000003	151669378.6966236	4089502.133098326	-956440.5946512348
139.3	278.6	-151887373.5210979	-4095383.283670915	-957816.0606536499
139.4	278.8	-152105524.8948177	-4101268.657690953	-959192.5144233915
139.5	279.0	-152323832.8177831	-4107158.255158442	-960569.9559604604
139.6	279.2	-152542297.2899941	-4113052.076073377	-961948.3852648553
139.70000000000000	279.40000000000003	152760918.3114507	4118950.120435762	-963327.8023365773
139.8	279.6	-152979695.8821529	-4124852.388245598	-964708.2071756263
139.9	279.8	-153198630.0021006	-4130758.879502879	-966089.599782001
140.0	280.0	-153417720.671294	-4136669.594207609	-967471.9801557027
140.1	280.2	-153636967.8897329	-4142584.532359789	-968855.3482967314
140.20000000000000	280.40000000000003	153856371.6574174	4148503.693959420	-970239.7042050869
140.3	280.6	-154075931.9743475	-4154427.079006499	-971625.047880769
140.4	280.8	-154295648.8405232	-4160354.687501026	-973011.3793237775
140.5	281.0	-154515522.2559444	-4166286.519443001	-974398.6985341129
140.6	281.2	-154735552.2206113	-4172222.574832426	-975787.0055117749
140.70000000000000	281.40000000000003	154955738.7345238	4178162.853669301	-977176.300256764
140.8	281.6	-155176081.7976817	-4184107.355953624	-978566.5827690794
140.9	281.8	-155396581.4100853	-4190056.081685396	-979957.8530487216
141.0	282.0	-155617237.5717345	-4196009.030864616	-981350.1110956902

141.1	282.2	-155838050.28262925	4201966.203491285	-982743.3569099857
141.20000000000000	282.40000000000000	3156059019.5427696	-4207927.599565404	-984137.5904916079
141.3	282.6	-156280145.35215557	4213893.219086972	-985532.811840557
141.4	282.8	-156501427.71078706	4219863.062055988	-986929.0209568326
141.5	283.0	-156722866.61866415	4225837.128472453	-988326.2178404346
141.6	283.2	-156944462.0757868	4231815.418336366	-989724.4024913637
141.70000000000000	283.40000000000000	3157166214.08215508	4237797.931647731	-991123.5749096198
141.8	283.6	-157388122.63776892	4243784.668406543	-992523.7350952021
141.9	283.8	-157610187.7426283	4249775.628612804	-993924.8830481111
142.0	284.0	-157832409.3967333	4255770.812266513	-995327.0187683468
142.1	284.2	-158054787.60008383	4261770.219367669	-996730.1422559087
142.20000000000000	284.40000000000000	3158277322.35268006	4267773.849916278	-998134.2535107982
142.3	284.6	-158500013.65452182	4273781.7039123345	-999539.3525330139
142.4	284.8	-158722861.50560912	4279793.78135584	-1000945.439322556
142.5	285.0	-158945865.90594202	4285810.082246794	-1002352.513879425
142.6	285.2	-159169026.85552052	4291830.606585196	-1003760.576203621
142.70000000000000	285.40000000000000	3159392344.35434467	4297855.35437105	-1005169.626295144
142.8	285.6	-159615818.40241435	4303884.32560435	-1006579.664153993
142.9	285.8	-159839448.99972954	4309917.5202851	-1007990.689780169
143.0	286.0	-160063236.14629042	4315954.938413298	-1009402.703173671
143.1	286.2	-160287179.84209678	4321996.579988945	-1010815.704334501
143.20000000000000	286.40000000000000	3160511280.08714885	4328042.445012042	-1012229.693262657
143.3	286.6	-160735536.8814463	4334092.533482586	-1013644.669958139
143.4	286.8	-160959950.22498953	4340146.845400581	-1015060.634420949
143.5	287.0	-161184520.11777827	4346205.380766024	-1016477.586651085
143.6	287.2	-161409246.5598126	4352268.139578915	-1017895.526648548
143.70000000000000	287.40000000000000	3161634129.55109257	4358335.121839258	-1019314.454413337

143.8	287.6	-161859169.091618	-4364406.327547047	-1020734.369945453
143.9	287.8	-162084365.1813891	-4370481.756702285	-1022155.273244896
144.0	288.0	-162309717.8204057	-4376561.409304974	-1023577.164311666
144.1	288.2	-162535227.008668	-4382645.28535511	-1025000.043145762
144.20000000000000	288.40000000000003	162760892.7461759	-4388733.384852696	-1026423.909747185
144.3	288.6	-162986715.0329292	-4394825.70779773	-1027848.764115935
144.4	288.8	-163212693.8689282	-4400922.254190212	-1029274.606252011
144.5	289.0	-163438829.2541728	-4407023.024030144	-1030701.436155414
144.6	289.2	-163665121.1886629	-4413128.017317525	-1032129.253826143
144.70000000000000	289.40000000000003	163891569.6723987	-4419237.234052355	-1033558.059264200
144.8	289.6	-164118174.7053800	-4425350.674234634	-1034987.852469583
144.9	289.8	-164344936.2876069	-4431468.337864362	-1036418.633442292
145.0	290.0	-164571854.4190794	-4437590.224941538	-1037850.402182329
145.1	290.2	-164798929.0997975	-4443716.335466164	-1039283.158689692
145.20000000000000	290.40000000000003	165026160.3297612	-4449846.669438239	-1040716.902964382
145.3	290.6	-165253548.1089704	-4455981.226857763	-1042151.635006399
145.4	290.8	-165481092.4374252	-4462120.007724735	-1043587.354815742
145.5	291.0	-165708793.3151256	-4468263.012039154	-1045024.062392411
145.6	291.2	-165936650.7420715	-4474410.239801024	-1046461.757736408
145.70000000000000	291.40000000000003	166164664.7182631	-4480561.691010344	-1047900.440847731
145.8	291.6	-166392835.2437003	-4486717.365667111	-1049340.111726381
145.9	291.8	-166621162.3183830	-4492877.263771327	-1050780.770372358
146.0	292.0	-166849645.9423113	-4499041.385322992	-1052222.416785661
146.1	292.2	-167078286.1154853	-4505209.730322108	-1053665.050966291
146.20000000000000	292.40000000000003	167307082.8379048	-4511382.298768672	-1055108.672914248
146.3	292.6	-167536036.1095699	-4517559.090662683	-1056553.282629531
146.4	292.8	-167765145.9304805	-4523740.106004145	-1057998.880112141

146.5	293.0	-167994412.30063677	4529925.344793055	-1059445.465362078
146.6	293.2	-168223835.2200385	-4536114.807029411	-1060893.038379341
146.70000000000000	293.40000000000000	3168453414.688686	-4542308.492713221	-1062341.599163932
146.8	293.6	-168683150.70657897	4548506.401844477	-1063791.147715848
146.9	293.8	-168913043.27371755	4554708.534423184	-1065241.684035092
147.0	294.0	-169143092.39010167	4560914.890449337	-1066693.208121662
147.1	294.2	-169373298.05573136	4567125.46992294	-1068145.719975559
147.20000000000000	294.40000000000000	3169603660.2706067	-4573340.272843994	-1069599.219596783
147.3	294.6	-169834179.03472763	4579559.299212495	-1071053.706985333
147.4	294.8	-170064854.34809408	4585782.549028444	-1072509.182141210
147.5	295.0	-170295686.2107062	-4592010.022291843	-1073965.645064413
147.6	295.2	-170526674.6225638	-4598241.719002691	-1075423.095754944
147.70000000000000	295.40000000000000	3170757819.5836671	-4604477.63916099	-1076881.534212801
147.8	295.6	-170989121.09401584	4610717.782766733	-1078340.960437985
147.9	295.8	-171220579.15361026	4616962.149819927	-1079801.374430495
148.0	296.0	-171452193.76245016	4623210.740320571	-1081262.776190332
148.1	296.2	-171683964.92053574	4629463.554268664	-1082725.165717496
148.20000000000000	296.40000000000000	3171915892.62786698	4635720.591664206	-1084188.543011986
148.3	296.6	-172147976.88444367	4641981.852507196	-1085652.908073804
148.4	296.8	-172380217.690266	-4648247.336797634	-1087118.260902947
148.5	297.0	-172612615.0453339	-4654517.044535522	-1088584.601499418
148.6	297.2	-172845168.94964734	4660790.97572086	-1090051.929863215
148.70000000000000	297.40000000000000	3173077879.40320647	4667069.130353646	-1091520.24599434
148.8	297.6	-173310746.40601107	4673351.508433881	-1092989.549892790
148.9	297.8	-173543769.95806122	4679638.109961562	-1094459.841558567
149.0	298.0	-173776950.05935708	4685928.934936696	-1095931.120991671
149.1	298.2	-174010286.70989844	4692223.983359276	-1097403.388192101



149.20000000000000	298.40000000000000	3174243779.9096855	-4698523.255229307	-1098876.643159859
149.3	298.6	-174477429.65871805	4704826.750546788	-1100350.885894943
149.4	298.8	-174711235.9569961	-4711134.469311714	-1101826.116397354
149.5	299.0	-174945198.80451986	4717446.411524091	-1103302.334667091
149.6	299.2	-175179318.20128915	4723762.577183918	-1104779.540704156
149.70000000000000	299.40000000000000	3175413594.1473041	-4730082.966291193	-1106257.734508547
149.8	299.6	-175648026.64256456	4736407.578845916	-1107736.916080264
149.9	299.8	-175882615.68707064	4742736.414848089	-1109217.085419308
150.0	300.0	-176117361.2808222	-4749069.474297709	-1110698.242525679
150.1	300.2	-176352263.4238194	-4755406.757194778	-1112180.387399376
150.20000000000000	300.40000000000000	3176587322.11606225	4761748.263539299	-1113663.520040401
150.3	300.6	-176822537.35755062	4768093.9933312675	-1115147.640448752
150.4	300.8	-177057909.14828458	4774443.946570685	-1116632.74862443
150.5	301.0	-177293437.48826414	4780798.12325755	-1118118.844567434
150.6	301.2	-177529122.37748927	4787156.523391864	-1119605.928277765
150.70000000000000	301.40000000000000	3177764963.81596005	4793519.1469736295	-1121093.999755423
150.8	301.6	-178000961.80367634	4799885.994002842	-1122583.059000407
150.9	301.8	-178237116.3406382	-4806257.064479503	-1124073.106012718
151.0	302.0	-178473427.4268457	-4812632.358403613	-1125564.140792356
151.1	302.2	-178709895.0622987	-4819011.8757751705	-1127056.163339320
151.20000000000000	302.40000000000000	3178946519.2469974	-4825395.61659418	-1128549.173653612
151.3	302.6	-179183299.98094156	4831783.580860637	-1130043.171735229
151.4	302.8	-179420237.26413134	4838175.768574542	-1131538.157584174
151.5	303.0	-179657331.09656674	4844572.179735897	-1133034.131200445
151.6	303.2	-179894581.4782477	-4850972.814344701	-1134531.092584043
151.70000000000000	303.40000000000000	3180131988.40917426	4857377.672400955	-1136029.041734968
151.8	303.6	-180369551.88934636	4863786.753904657	-1137527.978653219

151.9	303.8	-180607271.9187641	-4870200.0588558065	-1139027.903338797
152.0	304.0	-180845148.4974274	-4876617.587254407	-1140528.815791702
152.1	304.2	-181083181.6253363	-4883039.339100454	-1142030.716011933
152.20000000000000	304.40000000000000	3181321371.3024908	-4889465.314393953	-1143533.603999491
152.3	304.6	-181559717.5288908	-4895895.513134898	-1145037.479754376
152.4	304.8	-181798220.3045364	-4902329.935323291	-1146542.343276587
152.5	305.0	-182036879.6294276	-4908768.580959136	-1148048.194566125
152.6	305.2	-182275695.5035644	-4915211.450042428	-1149555.033622990
152.70000000000000	305.40000000000000	3182514667.9269468	-4921658.542573172	-1151062.860447182
152.8	305.6	-182753796.8995748	-4928109.8585513625	-1152571.675038700
152.9	305.8	-182993082.4214483	-4934565.397977001	-1154081.477397545
153.0	306.0	-183232524.4925674	-4941025.160850088	-1155592.267523716
153.1	306.2	-183472123.1129322	-4947489.147170626	-1157104.045417215
153.20000000000000	306.40000000000000	3183711878.2825425	-4953957.356938614	-1158616.811078040
153.3	306.6	-183951790.00139835	-4960429.790154047	-1160130.564506191
153.4	306.8	-184191858.2694997	-4966906.446816931	-1161645.30570167
153.5	307.0	-184432083.0868468	-4973387.326927262	-1163161.034664475
153.60000000000000	307.2	-184672464.4534393	-4979872.430485044	-1164677.751394606
153.70000000000000	307.40000000000000	3184913002.3692776	-4986361.757490277	-1166195.455892065
153.8	307.6	-185153696.8343614	-4992855.307942956	-1167714.148156850
153.9	307.8	-185394547.8486908	-4999353.081843085	-1169233.828188962
154.0	308.0	-185635555.41226575	-5005855.079190661	-1170754.495988400
154.10000000000000	308.2	-185876719.52508625	-5012361.299985688	-1172276.151555165
154.20000000000000	308.40000000000000	3186118040.1871525	-5018871.744228164	-1173798.794889257
154.3	308.6	-186359517.3984641	-5025386.411918088	-1175322.425990676
154.4	308.8	-186601151.1590214	-5031905.3030554615	-1176847.044859421
154.5	309.0	-186842941.4688242	-5038428.417640281	-1178372.651495493

154.60000000000000	309.2	-187084888.32787275	5044955.755672551	-1179899.24589889
154.70000000000000	309.40000000000000	3187326991.7361668	-5051487.317152272	-1181426.828069617
154.8	309.6	-187569251.6937064	-5058023.102079439	-1182955.398007669
154.9	309.8	-187811668.20049158	5064563.110454057	-1184484.955713047
155.0	310.0	-188054241.25652245	5071107.342276123	-1186015.501185753
155.10000000000000	310.2	-188296970.86179873	5077655.797545638	-1187547.034425785
155.20000000000000	310.40000000000000	3188539857.0163207	5084208.476262603	-1189079.555433144
155.3	310.6	-188782899.7200883	-5090765.3784270175	-1190613.064207829
155.4	310.8	-189026098.97310135	5097326.504038879	-1192147.560749841
155.5	311.0	-189269454.77536008	5103891.8530981885	-1193683.045059180
155.60000000000000	311.2	-189512967.1268643	-5110461.425604947	-1195219.517135845
155.70000000000000	311.40000000000000	3189756636.0276142	5117035.221559157	-1196756.976979838
155.8	311.6	-190000461.47760963	5123613.240960815	-1198295.424591157
155.9	311.8	-190244443.4768507	-5130195.48380992	-1199834.859969802
156.0	312.0	-190488582.0253373	-5136781.950106475	-1201375.283115774
156.10000000000000	312.2	-190732877.12306947	5143372.639850479	-1202916.694029073
156.20000000000000	312.40000000000000	3190977328.7700473	5149967.553041934	-1204459.092709699
156.3	312.6	-191221936.96627065	5156566.689680835	-1206002.479157651
156.4	312.8	-191466701.71173965	5163170.049767187	-1207546.85337293
156.5	313.0	-191711623.00645417	5169777.633300986	-1209092.215355536
156.60000000000000	313.2	-191956700.85041428	5176389.440282234	-1210638.565105469
156.70000000000000	313.40000000000000	3192201935.24362	-5183005.470710932	-1212185.902622728
156.8	313.6	-192447326.18607125	5189625.724587078	-1213734.227907313
156.9	313.8	-192692873.67776802	5196250.201910672	-1215283.540959226
157.0	314.0	-192938577.71871048	5202878.902681717	-1216833.841778465
157.10000000000000	314.2	-193184438.3088985	-5209511.82690021	-1218385.13036503
157.20000000000000	314.40000000000000	3193430455.4483322	-5216148.974566154	-1219937.406718924

157.3	314.6	-193676629.13701135	5222790.345679545	-1221490.670840143
157.4	314.8	-193922959.37493616	5229435.940240383	-1223044.922728689
157.5	315.0	-194169446.16210645	5236085.758248672	-1224600.162384561
157.60000000000000	315.2	-194416089.49852243	5242739.79970441	-1226156.389807761
157.70000000000000	315.40000000000000	3194662889.384184	-5249398.064607598	-1227713.604998287
157.8	315.6	-194909845.81909114	5256060.552958232	-1229271.807956139
157.9	315.8	-195156958.80324373	5262727.264756314	-1230830.998681318
158.0	316.0	-195404228.336642	-5269398.200001849	-1232391.177173825
158.10000000000000	316.2	-195651654.41928586	5276073.35869483	-1233952.343433657
158.20000000000000	316.40000000000000	3195899237.05117533	5282752.740835263	-1235514.497460817
158.3	316.6	-196146976.23231038	5289436.346423142	-1237077.639255303
158.4	316.8	-196394871.96269095	5296124.175458471	-1238641.768817116
158.5	317.0	-196642924.24231714	5302816.227941247	-1240206.886146255
158.60000000000000	317.2	-196891133.0711889	5309512.5038714735	-1241772.991242721
158.70000000000000	317.40000000000000	3197139498.4493063	-5316213.003249152	-1243340.084106515
158.8	317.6	-197388020.3766693	5322917.7260742765	-1244908.164737634
158.9	317.8	-197636698.85327774	5329626.672346848	-1246477.233136080
159.0	318.0	-197885533.87913182	5336339.842066869	-1248047.289301853
159.10000000000000	318.2	-198134525.45423147	5343057.235234341	-1249618.333234953
159.20000000000000	318.40000000000000	3198383673.57857686	5349778.851849262	-1251190.364935379
159.3	318.6	-198632978.25216764	5356504.6919116285	-1252763.384403132
159.4	318.8	-198882439.4750041	-5363234.755421448	-1254337.391638212
159.5	319.0	-199132057.2470861	-5369969.042378713	-1255912.386640618
159.60000000000000	319.2	-199381831.5684137	5376707.552783429	-1257488.369410351
159.70000000000000	319.40000000000000	3199631762.43898693	5383450.286635595	-1259065.339947411
159.8	319.6	-199881849.85880566	5390197.24393521	-1260643.298251798
159.9	319.8	-200132093.82787007	5396948.424682271	-1262222.244323511

160.0	320.0	-200382494.34617996	5403703.828876782	-1263802.178162551
160.10000000000000	320.2	-200633051.41373542	5410463.456518741	-1265383.099768917
160.20000000000000	320.40000000000000	3200883765.03053656	5417227.307608149	-1266965.009142610
160.3	320.6	-201134635.19658318	5423995.382145006	-1268547.906283630
160.4	320.8	-201385661.91187552	5430767.680129314	-1270131.791191976
160.5	321.0	-201636845.17641336	5437544.201561069	-1271716.663867650
160.60000000000000	321.2	-201888184.99019676	5444324.946440273	-1273302.52431065
160.70000000000000	321.40000000000000	3202139681.3532259	5451109.91476693	-1274889.372520977
160.8	321.6	-202391334.2655004	5457899.106541032	-1276477.208498630
160.9	321.8	-202643143.72702062	5464692.521762582	-1278066.032243610
161.0	322.0	-202895109.73778632	5471490.160431582	-1279655.843755917
161.10000000000000	322.2	-203147232.2977976	5478292.022548028	-1281246.643035550
161.20000000000000	322.40000000000000	3203399511.4070546	5485098.108111928	-1282838.430082510
161.3	322.6	-203651947.06555712	5491908.417123275	-1284431.204896797
161.4	322.8	-203904539.2733052	5498722.94958207	-1286024.967478411
161.5	323.0	-204157288.03029892	5505541.705488315	-1287619.717827351
161.60000000000000	323.2	-204410193.33653814	5512364.684842008	-1289215.455943617
161.70000000000000	323.40000000000000	3204663255.192023	5519191.887643152	-1290812.181827211
161.8	323.6	-204916473.59675348	5526023.313891742	-1292409.89547813
161.9	323.8	-205169848.55072942	5532858.963587783	-1294008.596896378
162.0	324.0	-205423380.05395105	5539698.836731272	-1295608.286081952
162.10000000000000	324.2	-205677068.10641816	5546542.93332221	-1297208.963034852
162.20000000000000	324.40000000000000	3205930912.70813105	5553391.253360598	-1298810.627755080
162.3	324.6	-206184913.8590893	5560243.796846433	-1300413.280242633
162.4	324.8	-206439071.55929324	5567100.563779716	-1302016.920497513
162.5	325.0	-206693385.80874273	5573961.554160451	-1303621.548519721
162.60000000000000	325.2	-206947856.60743785	5580826.767988632	-1305227.164309254

162.70000000000000	325.40000000000000	3207202483.9553785	5587696.205264266	-1306833.767866115
162.8	325.6	-207457267.8525647	5594569.865987345	-1308441.359190302
162.9	325.8	-207712208.2989966	5601447.750157874	-1310049.938281816
163.0	326.0	-207967305.2946739	5608329.857775852	-1311659.505140656
163.10000000000000	326.2	-208222558.8395970	5615216.188841279	-1313270.059766824
163.20000000000000	326.40000000000000	3208477968.9337657	-5622106.743354155	-1314881.602160317
163.3	326.6	-208733535.5771798	5629001.521314479	-1316494.132321138
163.4	326.8	-208989258.7698395	5635900.522722254	-1318107.650249285
163.5	327.0	-209245138.5117448	5642803.747577474	-1319722.155944759
163.60000000000000	327.2	-209501174.8028957	5649711.195880145	-1321337.649407559
163.70000000000000	327.40000000000000	3209757367.6432923	5656622.867630267	-1322954.130637687
163.8	327.6	-210013717.0329343	5663538.762827838	-1324571.599635142
163.9	327.8	-210270222.9718220	5670458.881472855	-1326190.056399922
164.0	328.0	-210526885.4599553	5677383.223565322	-1327809.500932030
164.10000000000000	328.2	-210783704.4973341	5684311.789105236	-1329429.933231464
164.20000000000000	328.40000000000000	3211040680.0839586	5691244.578092604	-1331051.353298225
164.3	328.6	-211297812.2198286	5698181.590527416	-1332673.761132312
164.4	328.8	-211555100.9049442	5705122.826409679	-1334297.156733726
164.5	329.0	-211812546.1393052	5712068.285739388	-1335921.540102467
164.60000000000000	329.2	-212070147.9229120	5719017.968516549	-1337546.911238534
164.70000000000000	329.40000000000000	3212327906.2557644	-5725971.87474116	-1339173.270141929
164.8	329.6	-212585821.1378623	5732930.004413219	-1340800.616812650
164.9	329.8	-212843892.5692058	5739892.357532726	-1342428.951250697
165.0	330.0	-213102120.5497948	5746858.934099679	-1344058.273456071
165.10000000000000	330.2	-213360505.0796295	5753829.734114084	-1345688.583428772
165.20000000000000	330.40000000000000	3213619046.1587098	5760804.757575941	-1347319.881168801
165.3	330.6	-213877743.7870356	5767784.004485244	-1348952.166676155

165.4	330.8	-214136597.96460706	5774767.474841995	-1350585.439950836
165.5	331.0	-214395608.69142404	5781755.168646194	-1352219.700992844
165.60000000000000	331.2	-214654775.96748656	5788747.085897842	-1353854.949802178
165.70000000000000	331.40000000000000	3214914099.7927948	5795743.226596942	-1355491.186378839
165.8	331.6	-215173580.1673485	5802743.59074349	-1357128.410722827
165.9	331.8	-215433217.0911478	5809748.178337485	-1358766.622834142
166.0	332.0	-215693010.5641927	5816756.989378931	-1360405.822712783
166.10000000000000	332.2	-215952960.5864831	5823770.023867823	-1362046.010358750
166.20000000000000	332.40000000000000	3216213067.1580193	5830787.281804168	-1363687.185772046
166.3	332.6	-216473330.2788010	5837808.76318796	-1365329.348952667
166.4	332.8	-216733749.9488282	5844834.468019201	-1366972.499900615
166.5	333.0	-216994326.1681011	5851864.396297889	-1368616.638615889
166.60000000000000	333.2	-217255058.9366194	5858898.548024027	-1370261.765098490
166.70000000000000	333.40000000000000	3217515948.2543835	5865936.923197615	-1371907.879348419
166.8	333.6	-217776994.1213929	5872979.52181865	-1373554.981365673
166.9	333.8	-218038196.5376482	5880026.343887135	-1375203.071150255
167.0	334.0	-218299555.5031489	5887077.389403069	-1376852.148702163
167.10000000000000	334.2	-218561071.0178952	5894132.658366451	-1378502.214021397
167.20000000000000	334.40000000000000	3218822743.0818872	5901192.150777285	-1380153.267107959
167.3	334.6	-219084571.6951246	5908255.866635567	-1381805.307961848
167.4	334.8	-219346556.8576077	5915323.805941294	-1383458.336583062
167.5	335.0	-219608698.5693363	5922395.968694472	-1385112.352971603
167.60000000000000	335.2	-219870996.8303106	5929472.354895099	-1386767.357127472
167.70000000000000	335.40000000000000	3220133451.6405304	5936552.964543178	-1388423.349050667
167.8	335.6	-220396062.9999959	5943637.797638702	-1390080.328741189
167.9	335.8	-220658830.9087068	5950726.854181675	-1391738.296199037
168.0	336.0	-220921755.3666634	5957820.134172097	-1393397.251424212

168.10000000000000	336.2	-221184836.3738655	-5964917.637609969	-1395057.194416713
168.20000000000000	336.40000000000000	3221448073.9303133	-5972019.36449529	-1396718.125176542
168.3	336.6	-221711468.0360066	-5979125.31482806	-1398380.043703697
168.4	336.8	-221975018.6909454	-5986235.488608278	-1400042.949998179
168.5	337.0	-222238725.8951299	-5993349.885835946	-1401706.844059987
168.60000000000000	337.2	-222502589.6485600	-6000468.506511061	-1403371.725889122
168.70000000000000	337.40000000000000	3222766609.9512357	-6007591.35063363	-1405037.595485585
168.8	337.6	-223030786.803157	-6014718.418203643	-1406704.452849373
168.9	337.8	-223295120.2043238	-6021849.709221107	-1408372.297980488
169.0	338.0	-223559610.1547361	-6028985.223686016	-1410041.130878930
169.10000000000000	338.2	-223824256.6543941	-6036124.961598376	-1411710.951544698
169.20000000000000	338.40000000000000	3224089059.7032976	-6043268.922958188	-1413381.759977794
169.3	338.6	-224354019.3014468	-6050417.107765445	-1415053.556178216
169.4	338.8	-224619135.4488415	-6057569.516020153	-1416726.340145964
169.5	339.0	-224884408.1454819	-6064726.147722308	-1418400.111881039
169.60000000000000	339.2	-225149837.3913677	-6071887.002871914	-1420074.871383441
169.70000000000000	339.40000000000000	3225415423.1864992	-6079052.081468969	-1421750.618653170
169.8	339.6	-225681165.5308763	-6086221.383513472	-1423427.353690226
169.9	339.8	-225947064.424499	-6093394.909005423	-1425105.076494608
170.0	340.0	-226213119.8673672	-6100572.657944823	-1426783.787066316
170.10000000000000	340.2	-226479331.8594809	-6107754.630331672	-1428463.485405351
170.20000000000000	340.40000000000000	3226745700.4008404	-6114940.826165972	-1430144.171511714
170.3	340.6	-227012225.4914453	-6122131.24544772	-1431825.845385403
170.4	340.8	-227278907.1312959	-6129325.888176918	-1433508.507026419
170.5	341.0	-227545745.3203920	-6136524.754353561	-1435192.156434761
170.60000000000000	341.2	-227812740.0587337	-6143727.843977657	-1436876.793610430
170.70000000000000	341.40000000000000	3228079891.3463211	-6150935.157049200	-1438562.418553426



170.8	341.6	-228347199.18315408	6158146.693568193	-1440249.031263748
170.9	341.8	-228614663.5692325	-6165362.453534634	-1441936.631741397
171.0	342.0	-228882284.5045565	76172582.436948523	-1443625.219986372
171.10000000000000	342.2	-229150061.98912618	6179806.643809861	51445314.795998675
171.20000000000000	342.40000000000000	3229417996.0229415	-6187035.074118651	-1447005.359778304
171.3	342.6	-229686086.6060022	-6194267.727874886	-1448696.911325260
171.4	342.8	-229954333.7383086	-6201504.605078571	51450389.450639542
171.5	343.0	-230222737.4198605	76208745.705729705	-1452082.977721151
171.60000000000000	343.2	-230491297.6506581	6215991.029828288	-1453777.492570087
171.70000000000000	343.40000000000000	3230760014.4307013	6223240.577374321	-1455472.995186350
171.8	343.6	-231028887.7599900	76230494.348367802	-1457169.485569939
171.9	343.8	-231297917.6385243	6237752.342808732	-1458866.963720855
172.0	344.0	-231567104.0663042	-6245014.560697111	-1460565.429639098
172.10000000000000	344.2	-231836447.0433296	6252281.002032938	-1462264.883324667
172.20000000000000	344.40000000000000	3232105946.5696007	6259551.666816216	-1463965.324777563
172.3	344.6	-232375602.6451173	76266826.555046941	-1465666.753997786
172.4	344.8	-232645415.2698795	8274105.666725113	-1467369.170985334
172.5	345.0	-232915384.4438873	6281389.001850736	-1469072.575740210
172.60000000000000	345.2	-233185510.1671407	-6288676.560423808	-1470776.968262413
172.70000000000000	345.40000000000000	3233455792.4396397	6295968.342444331	-1472482.348551943
172.8	345.6	-233726231.2613843	-6303264.347912302	-1474188.716608799
172.9	345.8	-233996826.6323744	76310564.57682772	-1475896.072432982
173.0	346.0	-234267578.5526101	6317869.029190588	-1477604.416024491
173.10000000000000	346.2	-234538487.0220914	6325177.705000904	-1479313.747383327
173.20000000000000	346.40000000000000	3234809552.0408183	6332490.60425867	-1481024.066509490
173.3	346.6	-235080773.6087907	6339807.726963884	-1482735.37340298
173.4	346.8	-235352151.7260089	26347129.073116549	-1484447.668063796

173.5	347.0	-235623686.3924724	46354454.642716659	-1486160.950491939
173.60000000000000	347.2	-235895377.6081816	46361784.43576422	-1487875.220687408
173.70000000000000	347.40000000000000	3236167225.3731364	46369118.452259231	-1489590.478650205
173.8	347.6	-236439229.6873369	46376456.69220169	-1491306.724380328
173.9	347.8	-236711390.5507828	46383799.155591596	-1493023.957877777
174.0	348.0	-236983707.9634743	46391145.842428953	-1494742.179142553
174.10000000000000	348.2	-237256181.9254115	46398496.752713759	-1496461.388174657
174.20000000000000	348.40000000000000	3237528812.4365942	46405851.886446015	-1498181.584974087
174.3	348.6	-237801599.4970225	46413211.24362572	-1499902.769540843
174.4	348.8	-238074543.1066964	46420574.824252873	-1501624.941874927
174.5	349.0	-238347643.2656158	46427942.628327473	-1503348.101976337
174.60000000000000	349.2	-238620899.9737809	46435314.655849521	-1505072.249845072
174.70000000000000	349.40000000000000	3238894313.2311915	46442690.90681902	-1506797.385481136
174.8	349.6	-239167883.0378477	46450071.381235968	-1508523.508884526
174.9	349.8	-239441609.3937495	46457456.079100365	-1510250.620055242
175.0	350.0	-239715492.2988968	46464845.000412211	-1511978.718993286
175.10000000000000	350.2	-239989531.7532898	46472238.145171505	-1513707.805698655
175.20000000000000	350.40000000000000	3240263727.7569284	46479635.51337825	-1515437.880171352
175.3	350.6	-240538080.3098125	46487037.105032443	-1517168.942411376
175.4	350.8	-240812589.4119421	46494442.920134082	-1518900.992418725
175.5	351.0	-241087255.0633175	46501852.958683172	-1520634.030193402
175.60000000000000	351.2	-241362077.2639383	46509267.220679712	-1522368.055735405
175.70000000000000	351.40000000000000	3241637056.0138049	46516685.706123702	-1524103.069044736
175.8	351.6	-241912191.3129168	46524108.415015137	-1525839.070121392
175.9	351.8	-242187483.1612745	46531535.347354023	-1527576.058965376
176.0	352.0	-242462931.5588776	46538966.503140356	-1529314.035576686
176.10000000000000	352.2	-242738536.5057265	46546401.88237414	-1531052.999955323

176.20000000000000	352.40000000000000	3243014298.00182098	6553841.485055376	-1532792.952101287
176.3	352.6	-243290216.04716083	6561285.311184055	-1534533.892014577
176.4	352.8	-243566290.64174643	6568733.360760184	-1536275.819695193
176.5	353.0	-243842521.78557748	6576185.633783764	-1538018.735143137
176.60000000000000	353.2	-244118909.47865418	6583642.130254792	-1539762.638358407
176.70000000000000	353.40000000000000	3244395453.72097656	6591102.850173272	-1541507.529341005
176.8	353.6	-244672154.51254445	6598567.793539196	-1543253.408090929
176.9	353.8	-244949011.8533578	6606036.960352569	-1545000.274608178
177.0	354.0	-245226025.7434168	6613510.350613394	-1546748.128892755
177.10000000000000	354.2	-245503196.1827215	6620987.9643216655	-1548496.970944659
177.20000000000000	354.40000000000000	3245780523.1712717	6628469.801477388	-1550246.80076389
177.3	354.6	-246058006.7090675	6635955.862080559	-1551997.618350447
177.4	354.8	-246335646.7961088	6643446.146131176	-1553749.423704330
177.5	355.0	-246613443.4323958	6650940.653629244	-1555502.216825541
177.60000000000000	355.2	-246891396.61792836	6658439.384574762	-1557255.997714078
177.70000000000000	355.40000000000000	3247169506.35270643	6665942.33896773	-1559010.766369943
177.8	355.6	-247447772.6367302	6673449.516808146	-1560766.522793133
177.9	355.8	-247726195.46999943	6680960.918096007	-1562523.266983650
178.0	356.0	-248004774.85251433	6688476.542831318	-1564280.998941494
178.10000000000000	356.2	-248283510.78427467	6695996.39101408	-1566039.718666664
178.20000000000000	356.40000000000000	3248562403.26528075	6703520.462644292	-1567799.426159162
178.3	356.6	-248841452.29553238	6711048.757721951	-1569560.121418986
178.4	356.8	-249120657.8750295	6718581.276247059	-1571321.804446137
178.5	357.0	-249400020.00377232	6726118.018219616	-1573084.475240614
178.60000000000000	357.2	-249679538.68176073	6733658.983639623	-1574848.133802419
178.70000000000000	357.40000000000000	3249959213.90899473	6741204.172507077	-1576612.780131549
178.8	357.6	-250239045.68547422	6748753.584821981	-1578378.414228007

178.9	357.8	-250519034.0111993	-6756307.220584334	-1580145.03609179
179.0	358.0	-250799178.88616994	-6763865.079794136	-1581912.645722902
179.10000000000000	358.2	-251079480.3103862	-6771427.162451384	-1583681.243121339
179.20000000000000	358.40000000000003	251359938.28384814	6778993.468556086	-1585450.828287103
179.3	358.6	-251640552.80655554	-6786563.998108234	-1587221.401220194
179.4	358.8	-251921323.87850857	-6794138.751107831	-1588992.961920612
179.5	359.0	-252202251.49970725	-6801717.727554877	-1590765.510388356
179.60000000000000	359.2	-252483335.67015138	-6809300.927449373	-1592539.046623427
179.70000000000000	359.40000000000003	252764576.3898412	6816888.3507913165	1594313.570625825
179.8	359.6	-253045973.65877655	-6824479.997580709	-1596089.082395549
179.9	359.8	-253327527.47695744	-6832075.86781755	-1597865.581932600
180.0	360.0	-253609237.84438407	-6839675.961501841	-1599643.069236978
180.10000000000000	360.2	-253891104.76105615	-6847280.278633581	-1601421.544308683
180.20000000000000	360.40000000000003	254173128.2269739	6854888.81921277	-1603201.007147714
180.3	360.6	-254455308.242137	-6862501.583239406	-1604981.457754072
180.4	360.8	-254737644.8065459	-6870118.570713492	-1606762.896127756
180.5	361.0	-255020137.92020035	-6877739.7816350255	-1608545.322268767
180.60000000000000	361.2	-255302787.58310032	-6885365.216004011	-1610328.736177105
180.70000000000000	361.40000000000003	255585593.79524598	6892994.873820444	-1612113.137852769
180.8	361.6	-255868556.55663717	-6900628.7550843265	-1613898.527295761
180.9	361.8	-256151675.86727396	-6908266.859795658	-1615684.904506079
181.0	362.0	-256434951.72715628	-6915909.187954436	-1617472.269483724
181.10000000000000	362.2	-256718384.1362842	-6923555.739560666	-1619260.622228695
181.20000000000000	362.40000000000003	257001973.09465784	6931206.514614342	-1621049.962740993
181.3	362.6	-257285718.6022769	-6938861.513115468	-1622840.291020617
181.4	362.8	-257569620.65914157	-6946520.735064042	-1624631.607067568
181.5	363.0	-257853679.26525176	-6954184.180460066	-1626423.910881846

181.60000000000000	363.2	-258137894.4206076	-6961851.849303538	-1628217.20246345
181.70000000000000	363.40000000000000	3258422266.1252091	-6969523.741594464	-1630011.481812383
181.8	363.6	-258706794.3790561	-6977199.857332833	-1631806.74892864
181.9	363.8	-258991479.1821487	-6984880.196518653	-1633603.003812226
182.0	364.0	-259276320.53448686	-6992564.759151919	-1635400.246463137
182.10000000000000	364.2	-259561318.4360706	-7000253.545232638	-1637198.476881376
182.20000000000000	364.40000000000000	3259846472.8869000	-7007946.554760806	-1638997.69506694
182.3	364.6	-260131783.886975	-7015643.787736420	-1640797.901019833
182.4	364.8	-260417251.4362955	-7023345.244159485	-1642599.094740051
182.5	365.0	-260702875.5348615	-7031050.924029996	-1644401.276227595
182.60000000000000	365.2	-260988656.1826731	-7038760.827347957	-1646204.445482467
182.70000000000000	365.40000000000000	3261274593.3797305	-7046474.95411337	-1648008.602504666
182.8	365.6	-261560687.1260333	-7054193.304326229	-1649813.747294190
182.9	365.8	-261846937.4215818	-7061915.877986537	-1651619.879851042
183.0	366.0	-262133344.2663757	-7069642.675094294	-1653427.000175221
183.10000000000000	366.2	-262419907.6604153	-7077373.695649501	-1655235.108266726
183.20000000000000	366.40000000000000	3262706627.6037006	-7085108.939652158	-1657044.204125558
183.3	366.6	-262993504.0962313	-7092848.407102263	-1658854.287751717
183.4	366.8	-263280537.1380077	-7100592.097999817	-1660665.359145202
183.5	367.0	-263567726.7290297	-7108340.012344818	-1662477.418306014
183.60000000000000	367.2	-263855072.8692971	-7116092.150137265	-1664290.465234151
183.70000000000000	367.40000000000000	3264142575.5588102	-7123848.511377167	-1666104.499929617
183.8	367.6	-264430234.7975689	-7131609.096064514	-1667919.522392409
183.9	367.8	-264718050.5855730	-7139373.904199312	-1669735.532622527
184.0	368.0	-265006022.9228229	-7147142.935781558	-1671552.530619973
184.10000000000000	368.2	-265294151.8093183	-7154916.190811255	-1673370.516384745
184.20000000000000	368.40000000000000	3265582437.2450594	-7162693.669288401	-1675189.489916844

184.3	368.6	-265870879.23004606	7170475.371212994	-1677009.45121627
184.4	368.8	-266159477.76427817	7178261.296585034	-1678830.400283021
184.5	369.0	-266448232.84775594	7186051.445404525	-1680652.337117100
184.60000000000000	369.2	-266737144.48047937	7193845.817671465	-1682475.261718505
184.70000000000000	369.40000000000000	3267026212.66244826	7201644.413385856	-1684299.174087238
184.8	369.6	-267315437.39366266	7209447.232547691	-1686124.074223296
184.9	369.8	-267604818.67412287	7217254.275156978	-1687949.962126682
185.0	370.0	-267894356.50382844	7225065.541213714	-1689776.837797394
185.10000000000000	370.2	-268184050.88277977	7232881.030717897	-1691604.701235433
185.20000000000000	370.40000000000000	3268473901.81097667	7240700.743669532	-1693433.552440799
185.3	370.6	-268763909.28841895	7248524.680068614	-1695263.391413491
185.4	370.8	-269054073.3151077	7256352.839915145	-1697094.218153510
185.5	371.0	-269344393.89104057	7264185.223209125	-1698926.032660856
185.60000000000000	371.2	-269634871.01621987	7272021.829950552	-1700758.834935528
185.70000000000000	371.40000000000000	3269925504.69064457	7279862.660139433	-1702592.624977528
185.8	371.6	-270216294.91431497	7287707.713775767	-1704427.402786853
185.9	371.8	-270507241.68723077	7295556.990859532	-1706263.168363505
186.0	372.0	-270798345.00939226	7303410.491390756	-1708099.921707484
186.10000000000000	372.2	-271089604.88079937	7311268.215369429	-1709937.662818797
186.20000000000000	372.40000000000000	3271381021.30145204	7319130.162795554	-1711776.391697423
186.3	372.6	-271672594.27135026	7326996.333669123	-1713616.108343382
186.4	372.8	-271964323.79049417	7334866.727990144	-1715456.812756668
186.5	373.0	-272256209.85888344	7342741.345758612	-1717298.504937280
186.60000000000000	373.2	-272548252.47651857	7350620.186974531	-1719141.184885227
186.70000000000000	373.40000000000000	3272840451.64339917	7358503.2516378965	-1720984.852600485
186.8	373.6	-273132807.35952537	7366390.539748713	-1722829.508083078
186.9	373.8	-273425319.6248977	7374282.051306979	-1724675.151332998

187.0	374.0	-273717988.4395143	47382177.78631269	-1726521.782350243
187.10000000000000	374.2	-274010813.8033771	-7390077.744765851	-1728369.401134815
187.20000000000000	374.40000000000000	3274303795.7164858	-7397981.926666465	-1730218.007686715
187.3	374.6	-274596934.1788398	-7405890.332014524	-1732067.602005941
187.4	374.8	-274890229.1904394	67413802.960810034	-1733918.184092495
187.5	375.0	-275183680.7512848	-7421719.8130529905	-1735769.753946374
187.60000000000000	375.2	-275477288.8613756	-7429640.888743398	-1737622.31156758
187.70000000000000	375.40000000000000	3275771053.520712	-7437566.187881254	-1739475.856956113
187.8	375.6	-276064974.7292940	67445495.71046656	-1741330.390111973
187.9	375.8	-276359052.4871215	-7453429.456499312	-1743185.911035159
188.0	376.0	-276653286.7941947	-7461367.425979515	-1745042.419725672
188.10000000000000	376.2	-276947677.6505133	67469309.618907164	-1746899.916183511
188.20000000000000	376.40000000000000	3277242225.0560778	-7477256.035282266	-1748758.400408677
188.3	376.6	-277536929.0108876	-7485206.6751048155	-1750617.872401177
188.4	376.8	-277831789.5149432	-7493161.538374813	-1752478.332160990
188.5	377.0	-278126806.5682441	67501120.62509226	-1754339.779688136
188.60000000000000	377.2	-278421980.1707908	67509083.935257154	-1756202.214982609
188.70000000000000	377.40000000000000	3278717310.3225832	-7517051.468869502	-1758065.638044409
188.8	377.6	-279012797.0236209	67525023.225929295	-1759930.048873536
188.9	377.8	-279308440.2739044	-7532999.206436537	-1761795.447469989
189.0	378.0	-279604240.0734334	-7540979.410391228	-1763661.833833768
189.10000000000000	378.2	-279900196.4222079	-7548963.837793367	-1765529.207964875
189.20000000000000	378.40000000000000	3280196309.3202281	-7556952.488642957	-1767397.569863308
189.3	378.6	-280492578.7674938	-7564945.362939995	-1769266.919529068
189.4	378.8	-280789004.7640051	-7572942.460684479	-1771137.256962154
189.5	379.0	-281085587.3097620	67580943.781876417	-1773008.582162567
189.60000000000000	379.2	-281382326.4047645	-7588949.3265158	-1774880.895130307

189.70000000000000	379.40000000000000	3281679222.04901254	7596959.094602637	-1776754.195865374
189.8	379.6	-281976274.2425062	-7604973.086136918	51778628.484367768
189.9	379.8	-282273482.9852456	-7612991.301118650	51780503.760637488
190.0	380.0	-282570848.2772303	-7621013.739547831	-1782380.024674534
190.10000000000000	380.2	-282868370.1184607	-7629040.401424459	-1784257.276478908
190.20000000000000	380.40000000000000	3283166048.5089367	7637071.286748539	-1786135.516050608
190.3	380.6	-283463883.4486583	-7645106.395520066	-1788014.743389635
190.4	380.8	-283761874.9376254	-7653145.727739039	-1789894.958495987
190.5	381.0	-284060022.9758380	-7661189.283405463	-1791776.161369667
190.60000000000000	381.2	-284358327.5632964	-7669237.062519336	-1793658.352010674
190.70000000000000	381.40000000000000	3284656788.7000004	-7677289.065080663	-1795541.530419009
190.8	381.6	-284955406.3859498	-7685345.291089433	-1797425.696594669
190.9	381.8	-285254180.6211449	-7693405.740545653	-1799310.850537655
191.0	382.0	-285553111.4055856	-7701470.413449322	-1801196.992247969
191.10000000000000	382.2	-285852198.7392717	-7709539.309800439	-1803084.121725609
191.20000000000000	382.40000000000000	3286151442.6222037	-7717612.429599008	-1804972.238970576
191.3	382.6	-286450843.054381	-7725689.772845025	-1806861.343982871
191.4	382.8	-286750400.0358041	-7733771.339538489	-1808751.436762490
191.5	383.0	-287050113.5664725	-7741857.129679400	-1810642.517309437
191.60000000000000	383.2	-287349983.6463866	-7749947.143267763	-1812534.585623710
191.70000000000000	383.40000000000000	3287650010.2755464	-7758041.380303575	-1814427.641705311
191.8	383.6	-287950193.4539518	-7766139.840786836	-1816321.685554238
191.9	383.8	-288250533.1816026	-7774242.524717545	-1818216.717170492
192.0	384.0	-288551029.4584991	-7782349.432095705	-1820112.736554073
192.10000000000000	384.2	-288851682.2846411	-7790460.56292131	-1822009.743704979
192.20000000000000	384.40000000000000	3289152491.6600289	-7798575.91719437	-1823907.738623215
192.3	384.6	-289453457.5846621	-7806695.494914874	-1825806.721308775



192.4	384.8	-289754580.05854094	7814819.296082828	-1827706.691761662
192.5	385.0	-290055859.0816653	-7822947.320698229	-1829607.649981876
192.60000000000000	385.2	-290357294.6540352	-7831079.56876108	-1831509.595969416
192.70000000000000	385.40000000000003	290658886.77565086	7839216.040271381	-1833412.529724283
192.8	385.6	-290960635.4465119	-7847356.735229129	-1835316.451246477
192.9	385.8	-291262540.66661865	7855501.653634327	-1837221.360535998
193.0	386.0	-291564602.4359709	-7863650.795486975	-1839127.257592846
193.10000000000000	386.2	-291866820.7545689	-7871804.160787072	-1841034.14241702
193.20000000000000	386.40000000000003	292169195.6224124	-7879961.74953462	-1842942.015008521
193.3	386.6	-292471727.0395013	7888123.56172961	-1844850.875367348
193.4	386.8	-292774415.0058360	7896289.597372053	-1846760.723493502
193.5	387.0	-293077259.52141625	7904459.856461945	-1848671.559386983
193.60000000000000	387.2	-293380260.5862421	-7912634.338999285	-1850583.383047790
193.70000000000000	387.40000000000003	293683418.2003135	-7920813.044984078	-1852496.194475925
193.8	387.6	-293986732.3636305	-7928995.974416314	-1854409.993671385
193.9	387.8	-294290203.076193	-7937183.127296	-1856324.780634173
194.0	388.0	-294593830.338001	-7945374.503623137	-1858240.555364287
194.10000000000000	388.2	-294897614.1490547	7953570.103397722	-1860157.317861728
194.20000000000000	388.40000000000003	295201554.5093542	-7961769.926619755	-1862075.068126496
194.3	388.6	-295505651.41889906	7969973.973289239	-1863993.806158590
194.4	388.8	-295809904.87768954	7978182.24340617	-1865913.531958011
194.5	389.0	-296114314.8857255	-7986394.736970552	-1867834.245524759
194.60000000000000	389.2	-296418881.44300723	7994611.453982381	-1869755.946858833
194.70000000000000	389.40000000000003	296723604.5495345	-8002832.394441661	-1871678.635960235
194.8	389.6	-297028484.2053073	-8011057.558348388	-1873602.312828963
194.9	389.8	-297333520.4103255	-8019286.945702564	-1875526.977465017
195.0	390.0	-297638713.1645896	-8027520.556504188	-1877452.629868398

195.10000000000000	390.2	-297944062.468099	-8035758.390753261	-1879379.270039105
195.20000000000000	390.40000000000000	3298249568.32085425	48044000.448449787	-1881306.897977140
195.3	390.6	-298555230.722855	-8052246.729593758	-1883235.513682501
195.4	390.8	-298861049.67410123	3060497.234185179	-1885165.117155189
195.5	391.0	-299167025.17459315	5068751.962224048	-1887095.708395204
195.60000000000000	391.2	-299473157.22433054	8077010.913710367	-1889027.287402545
195.70000000000000	391.40000000000000	3299779445.8233137	-8085274.088644135	-1890959.854177214
195.8	391.6	-300085890.9715423	-8093541.487025351	-1892893.408719208
195.9	391.8	-300392492.66901654	8101813.108854016	-1894827.95102853
196.0	392.0	-300699250.91573624	8110088.954130128	-1896763.481105177
196.10000000000000	392.2	-301006165.71170163	8118369.022853691	-1898699.998949152
196.20000000000000	392.40000000000000	3301313237.0569126	-8126653.315024704	-1900637.504560453
196.3	392.6	-301620464.95136917	8134941.830643167	-1902575.997939082
196.4	392.8	-301927849.39507127	8143234.569709075	-1904515.479085037
196.5	393.0	-302235390.3880191	-8151531.532222435	-1906455.947998319
196.60000000000000	393.2	-302543087.9302123	-8159832.718183242	-1908397.404678926
196.70000000000000	393.40000000000000	3302850942.0216513	-8168138.127591499	-1910339.849126862
196.8	393.6	-303158952.66233563	8176447.760447203	-1912283.281342123
196.9	393.8	-303467119.85226568	8184761.616750359	-1914227.701324711
197.0	394.0	-303775443.59144133	8193079.696500962	-1916173.109074626
197.10000000000000	394.2	-304083923.8798624	-8201401.999699011	-1918119.504591867
197.20000000000000	394.40000000000000	3304392560.7175293	-8209728.526344514	-1920066.887876436
197.3	394.6	-304701354.1044417	-8218059.276437462	-1922015.258928331
197.4	394.8	-305010304.04059964	8226394.249977861	-1923964.617747553
197.5	395.0	-305319410.5260032	-8234733.446965708	-1925914.964334101
197.60000000000000	395.2	-305628673.56065226	8243076.867401004	-1927866.298687976
197.70000000000000	395.40000000000000	3305938093.14454705	-8251424.5112837525	-1929818.620809178

197.8	395.6	-306247669.2776873	-8259776.378613945	-1931771.930697706
197.9	395.8	-306557401.9600732	-8268132.469391591	-1933726.228353562
198.0	396.0	-306867291.1917047	-8276492.783616681	-1935681.513776743
198.10000000000000	396.2	-307177336.9725817	-8284857.321289222	-1937637.786967252
198.20000000000000	396.40000000000000	-307487539.3027044	-8293226.082409212	-1939595.047925087
198.3	396.6	-307797898.1820724	-8301599.06697665	-1941553.296650249
198.4	396.8	-308108413.6106862	-8309976.274991536	-1943512.533142737
198.5	397.0	-308419085.5885456	-8318357.706453874	-1945472.757402553
198.60000000000000	397.2	-308729914.1156505	-8326743.361363659	-1947433.969429695
198.70000000000000	397.40000000000000	-309040899.1920011	-8335133.239720897	-1949396.169224165
198.8	397.6	-309352040.8175972	-8343527.341525578	-1951359.356785959
198.9	397.8	-309663338.992439	-8351925.666777711	-1953323.532115081
199.0	398.0	-309974793.7165262	-8360328.215477291	-1955288.695211530
199.10000000000000	398.2	-310286404.9898591	-8368734.987624319	-1957254.846075305
199.20000000000000	398.40000000000000	-310598172.8124376	-8377145.983218801	-1959221.984706408
199.3	398.6	-310910097.1842616	-8385561.202260729	-1961190.111104837
199.4	398.8	-311222178.1053312	-8393980.644750103	-1963159.225270592
199.5	399.0	-311534415.5756463	-8402404.31068693	-1965129.327203674
199.60000000000000	399.2	-311846809.5952071	-8410832.200071204	-1967100.416904083
199.70000000000000	399.40000000000000	-312159360.1640136	-8419264.31290293	-1969072.494371819
199.8	399.6	-312472067.2820655	-8427700.6491821	-1971045.559606881
199.9	399.8	-312784930.9493630	-8436141.20890872	-1973019.612609269
200.0	400.0	-313097951.1659061	-8444585.99208279	-1974994.653378985
200.10000000000000	400.2	-313411127.9316948	-8453034.998704309	-1976970.681916027
200.20000000000000	400.40000000000000	-313724461.2467292	-8461488.228773281	-1978947.698220397
200.3	400.6	-314037951.1110090	-8469945.682289695	-1980925.702292092
200.4	400.8	-314351597.5245346	-8478407.359253561	-1982904.694131115

200.5	401.0	-314665400.4873054	-48486873.259664873	-1984884.673737464
200.60000000000000	401.2	-314979359.9993221	-18495343.383523637	-1986865.641111114
200.70000000000000	401.40000000000000	3315293476.0605843	-38503817.730829848	-1988847.596252142
200.8	401.6	-315607748.67109203	-3512296.301583512	-1990830.539160471
200.9	401.8	-315922177.8308455	-58520779.095784621	-1992814.469836127
201.0	402.0	-316236763.5398444	-48529266.11343318	-1994799.38827911
201.10000000000000	402.2	-316551505.7980889	-78537757.354529187	-1996785.294489419
201.20000000000000	402.40000000000000	3316866404.6055791	-18546252.819072647	-1998772.188467055
201.3	402.6	-317181459.9623148	-38554752.507063553	-2000760.070212018
201.4	402.8	-317496671.868296	-48563256.418501904	-2002748.939724307
201.5	403.0	-317812040.3235228	-38571764.553387707	-2004738.797003922
201.60000000000000	403.2	-318127565.3279952	-48580276.911720961	-2006729.642050865
201.70000000000000	403.40000000000000	3318443246.8817133	-38588793.493501663	-2008721.474865135
201.8	403.6	-318759084.9846769	-38597314.298729813	-2010714.295446731
201.9	403.8	-319075079.6368860	-38605839.32740541	-2012708.103795653
202.0	404.0	-319391230.8383408	-38614368.57952846	-2014702.899911903
202.10000000000000	404.2	-319707538.5890412	-38622902.055098955	-2016698.683795479
202.20000000000000	404.40000000000000	3320024002.8889872	-48631439.754116902	-2018695.455446382
202.3	404.6	-320340623.7381787	-38639981.676582297	-2020693.214864611
202.4	404.8	-320657401.1366158	-38648527.82249514	-2022691.962050168
202.5	405.0	-320974335.0842985	-38657078.191855432	-2024691.697003050
202.60000000000000	405.2	-321291425.5812268	-38665632.784663174	-2026692.419723260
202.70000000000000	405.40000000000000	3321608672.6274007	-48674191.600918368	-2028694.130210797
202.8	405.6	-321926076.2228200	-48682754.640621003	-2030696.828465659
202.9	405.8	-322243636.3674850	-48691321.903771091	-2032700.514487849
203.0	406.0	-322561353.0613957	-38699893.390368627	-2034705.188277365
203.10000000000000	406.2	-322879226.3045519	-38708469.100413613	-2036710.849834208

203.20000000000000	406.40000000000000	3323197256.0969537	-8717049.033906048	-2038717.499158378
203.3	406.6	-323515442.438601	-8725633.190845933	-2040725.136249874
203.4	406.8	-323833785.3294939	-8734221.571233265	-2042733.761108697
203.5	407.0	-324152284.7696324	-8742814.175068047	-2044743.373734847
203.60000000000000	407.2	-324470940.7590166	-8751411.002350276	-2046753.974128323
203.70000000000000	407.40000000000000	3324789753.2976463	-8760012.053079957	-2048765.562289127
203.8	407.6	-325108722.3855216	-8768617.327257086	-2050778.138217257
203.9	407.8	-325427848.0226423	-8777226.82488166	-2052791.701912713
204.0	408.0	-325747130.2090087	-8785840.545953685	-2054806.253375496
204.10000000000000	408.2	-326066568.9446207	-8794458.49047316	-2056821.792605606
204.20000000000000	408.40000000000000	3326386164.2294784	-8803080.658440087	-2058838.319603043
204.3	408.6	-326705916.0635816	-8811707.04985446	-2060855.834367806
204.4	408.8	-327025824.4469303	-8820337.664716281	-2062874.336899896
204.5	409.0	-327345889.3795247	-8828972.50302555	-2064893.827199312
204.60000000000000	409.2	-327666110.8613646	-8837611.56478227	-2066914.305266056
204.70000000000000	409.40000000000000	3327986488.8924501	-8846254.849986438	-2068935.771100126
204.8	409.6	-328307023.4727812	-8854902.358638057	-2070958.224701523
204.9	409.8	-328627714.6023579	-8863554.090737123	-2072981.666070247
205.0	410.0	-328948562.2811801	-8872210.046283634	-2075006.095206296
205.10000000000000	410.2	-329269566.5092479	-8880870.225277595	-2077031.512109672
205.20000000000000	410.40000000000000	3329590727.2865614	-8889534.627719015	-2079057.916780377
205.3	410.6	-329912044.6131204	-8898203.253607873	-2081085.309218407
205.4	410.8	-330233518.4889250	-8906876.102944184	-2083113.689423764
205.5	411.0	-330555148.9139752	-8915553.175727945	-2085143.057396447
205.60000000000000	411.2	-330876935.8882709	-8924234.47195915	-2087173.413136457
205.70000000000000	411.40000000000000	3331198879.4118123	-8932919.991637811	-2089204.756643795
205.8	411.6	-331520979.4845993	-8941609.734763917	-2091237.087918459

205.9	411.8	-331843236.1066318	-8950303.701337473	-2093270.406960449
206.0	412.0	-332165649.27790993	-8959001.891358474	-2095304.713769765
206.10000000000000	412.2	-332488218.99843335	-8967704.304826926	-2097340.008346409
206.20000000000000	412.40000000000000	-332810945.2682028	-8976410.941742828	-2099376.29069038
206.3	412.6	-333133828.0872177	-8985121.80210618	-2101413.560801677
206.4	412.8	-333456867.455478	-8993836.885916978	-2103451.818680301
206.5	413.0	-333780063.372984	-9002556.193175225	-2105491.064326251
206.60000000000000	413.2	-334103415.8397356	-9011279.723880922	-2107531.297739528
206.70000000000000	413.40000000000000	-334426924.8557328	-9020007.478034072	-2109572.518920132
206.8	413.6	-334750590.42097557	-9028739.455634667	-2111614.727868063
206.9	413.8	-335074412.535464	-9037475.65668271	-2113657.92458332
207.0	414.0	-335398391.1991979	-9046216.081178201	-2115702.109065904
207.10000000000000	414.2	-335722526.41217726	-9054960.729121143	-2117747.281315814
207.20000000000000	414.40000000000000	-336046818.17440253	-9063709.600511536	-2119793.441333052
207.3	414.6	-336371266.4858731	-9072462.695349373	-2121840.589117616
207.4	414.8	-336695871.34658927	-9081220.013634663	-2123888.724669506
207.5	415.0	-337020632.75655115	-9089981.555367397	-2125937.847988723
207.60000000000000	415.2	-337345550.7157585	-9098747.320547586	-2127987.959075268
207.70000000000000	415.40000000000000	-337670625.22421163	-9107517.309175223	-2130039.057929139
207.8	415.6	-337995856.28191024	-9116291.521250306	-2132091.144550336
207.9	415.8	-338321243.8888544	-9125069.956772836	-2134144.218938859
208.0	416.0	-338646788.0450441	-9133852.615742821	-2136198.281094711
208.10000000000000	416.2	-338972488.7504794	-9142639.49816025	-2138253.331017888
208.20000000000000	416.40000000000000	-339298346.0051605	-9151430.604025133	-2140309.368708393
208.3	416.6	-339624359.8090869	-9160225.93333746	-2142366.394166223
208.4	416.8	-339950530.1622589	-9169025.486097235	-2144424.407391381
208.5	417.0	-340276857.0646765	-9177829.262304459	-2146483.408383864

208.60000000000000	417.2	-340603340.5163398	-9186637.261959136	-2148543.397143675
208.70000000000000	417.40000000000000	3340929980.51724863	3195449.48506126	-2150604.373670813
208.8	417.6	-341256777.0674031	-9204265.931610834	-2152666.337965278
208.9	417.8	-341583730.16680306	9213086.601607855	-2154729.290027069
209.0	418.0	-341910839.8154486	-9221911.495052326	-2156793.229856187
209.10000000000000	418.2	-342238106.0133398	-9230740.611944243	-2158858.157452631
209.20000000000000	418.40000000000000	3342565528.76047665	9239573.952283617	-2160924.072816402
209.3	418.6	-342893108.0568591	-9248411.516070433	-2162990.9759475
209.4	418.8	-343220843.9024869	-9257253.3033047	-2165058.866845925
209.5	419.0	-343548736.2973602	9266099.313986413	-2167127.745511675
209.60000000000000	419.2	-343876785.2414794	-9274949.548115576	-2169197.611944752
209.70000000000000	419.40000000000000	3344204990.73484415	9283804.005692191	-2171268.466145158
209.8	419.6	-344533352.7774543	-9292662.686716253	-2173340.308112889
209.9	419.8	-344861871.3693101	-9301525.591187766	-2175413.137847947
210.0	420.0	-345190546.5104115	-9310392.719106724	-2177486.955350332
210.10000000000000	420.2	-345519378.2007586	-9319264.070473133	-2179561.760620042
210.20000000000000	420.40000000000000	3345848366.44035125	9328139.645286992	-2181637.553657081
210.3	420.6	-346177511.22918934	9337019.443548298	-2183714.334461446
210.4	420.8	-346506812.567273	-9345903.465257052	-2185792.103033137
210.5	421.0	-346836270.45460236	9354791.710413257	-2187870.859372155
210.60000000000000	421.2	-347165884.8911772	-9363684.179016905	-2189950.603478499
210.70000000000000	421.40000000000000	3347495655.87699779	9372580.871068012	-2192031.335352171
210.8	421.6	-347825583.4120638	-9381481.786566563	-2194113.054993169
210.9	421.8	-348155667.4963754	-9390386.925512563	-2196195.762401494
211.0	422.0	-348485908.12993276	9399296.287906012	-2198279.457577145
211.10000000000000	422.2	-348816305.3127356	-9408209.873746907	-2200364.140520123
211.20000000000000	422.40000000000000	3349146859.044784	-9417127.683035254	-2202449.811230428

211.3	422.6	-349477569.32607794	9426049.71577105	-2204536.46970806
211.4	422.8	-349808436.1566175	-9434975.971954295	-2206624.115953018
211.5	423.0	-350139459.53640264	9443906.45158499	-2208712.749965303
211.60000000000000	423.2	-350470639.4654335	-9452841.15466313	-2210802.371744915
211.70000000000000	423.40000000000000	3350801975.94370985	9461780.081188723	-2212892.981291854
211.8	423.6	-351133468.9712315	-9470723.23116176	-2214984.578606118
211.9	423.8	-351465118.547999	-9479670.60458225	-2217077.163687709
212.0	424.0	-351796924.67401224	9488622.201450186	-2219170.736536628
212.10000000000000	424.2	-352128887.34927076	9497578.021765571	-2221265.297152872
212.20000000000000	424.40000000000000	3352461006.57377505	9506538.06552841	-2223360.845536445
212.3	424.6	-352793282.3475248	-9515502.332738696	-2225457.381687343
212.4	424.8	-353125714.6705203	-9524470.823396428	-2227554.905605569
212.5	425.0	-353458303.5427614	-9533443.53750161	-2229653.417291121
212.60000000000000	425.2	-353791048.9642478	-9542420.47505424	-2231752.916743999
212.70000000000000	425.40000000000000	3354123950.9349801	-9551401.63605432	-2233853.403964204
212.8	425.6	-354457009.4549578	-9560387.020501848	-2235954.878951736
212.9	425.8	-354790224.524181	-9569376.628396828	-2238057.341706595
213.0	426.0	-355123596.1426498	-9578370.459739251	-2240160.792228779
213.10000000000000	426.2	-355457124.31036425	9587368.514529128	-2242265.230518291
213.20000000000000	426.40000000000000	3355790809.02732444	9596370.792766454	-2244370.656575130
213.3	426.6	-356124650.29353017	9605377.29445123	-2246477.070399296
213.4	426.8	-356458648.1089814	-9614388.019583449	-2248584.471990788
213.5	427.0	-356792802.4736782	-9623402.968163121	-2250692.861349607
213.60000000000000	427.2	-357127113.38762057	9632422.14019024	-2252802.238475752
213.70000000000000	427.40000000000000	3357461580.85080856	9641445.53566481	-2254912.603369224
213.8	427.6	-357796204.86324215	9650473.154586827	-2257023.956030023
213.9	427.8	-358130985.4249213	-9659504.996956298	-2259136.296458149



214.0	428.0	-358465922.535846	-9668541.062773207	-2261249.6246536
214.10000000000000	428.2	-358801016.19601625	-9677581.352037571	-2263363.940616379
214.20000000000000	428.40000000000000	3359136266.4054322	-9686625.864749389	-2265479.244346485
214.3	428.6	-359471673.1640936	-9695674.60090865	-2267595.535843917
214.4	428.8	-359807236.4720007	-9704727.560515363	-2269712.815108676
214.5	429.0	-360142956.3291533	-9713784.74356952	-2271831.082140761
214.60000000000000	429.2	-360478832.73555154	-9722846.15007113	-2273950.336940174
214.70000000000000	429.40000000000000	3360814865.6911954	-9731911.780020189	-2276070.579506913
214.8	429.6	-361151055.19608486	-9740981.633416697	-2278191.809840979
214.9	429.8	-361487401.25021976	-9750055.710260652	-2280314.027942371
215.0	430.0	-361823903.8536003	-9759134.010552058	-2282437.233811090
215.10000000000000	430.2	-362160563.00622636	-9768216.534290906	-2284561.427447135
215.20000000000000	430.40000000000000	3362497378.7080981	-9777303.281477211	-2286686.608850508
215.3	430.6	-362834350.9592155	-9786394.25211096	-2288812.778021207
215.4	430.8	-363171479.7595784	-9795489.446192162	-2290939.934959233
215.5	431.0	-363508765.1091867	-9804588.86372081	-2293068.079664585
215.60000000000000	431.2	-363846207.00804085	-9813692.504696907	-2295197.212137264
215.70000000000000	431.40000000000000	3364183805.4561405	-9822800.369120458	-2297327.332377271
215.8	431.6	-364521560.4534859	-9831912.456991456	-2299458.440384604
215.9	431.8	-364859472.00007653	-9841028.768309897	-2301590.536159263
216.0	432.0	-365197540.095913	-9850149.30307579	-2303723.619701248
216.10000000000000	432.2	-365535764.7409949	-9859274.061289134	-2305857.691010562
216.20000000000000	432.40000000000000	3365874145.9353226	-9868403.042949928	-2307992.750087201
216.3	432.6	-366212683.67889565	-9877536.248058163	-2310128.796931166
216.4	432.8	-366551377.9717142	-9886673.676613854	-2312265.831542459
216.5	433.0	-366890228.8137786	-9895815.32861699	-2314403.853921078
216.60000000000000	433.2	-367229236.2050885	-9904961.204067579	-2316542.864067025

216.70000000000000	433.40000000000000	3367568400.14564407	9914111.302965615	-2318682.861980297
216.8	433.6	-367907720.63544506	9923265.625311099	-2320823.847660897
216.9	433.8	-368247197.6744917	-9932424.17110403	-2322965.821108823
217.0	434.0	-368586831.2627838	-9941586.940344414	-2325108.782324076
217.10000000000000	434.2	-368926621.4003216	-9950753.933032246	-2327252.731306656
217.20000000000000	434.40000000000000	3369266568.08710504	9959925.14916753	-2329397.668056563
217.3	434.6	-369606671.3231341	-9969100.588750258	-2331543.592573795
217.4	434.8	-369946931.1084085	-9978280.251780434	-2333690.504858354
217.5	435.0	-370287347.4429287	-9987464.13825806	-2335838.404910241
217.60000000000000	435.2	-370627920.3266944	-9996652.248183137	-2337987.292729454
217.70000000000000	435.40000000000000	3370968649.7597058	-10005844.581555663	-2340137.168315993
217.8	435.6	-371309535.7419626	-10015041.138375636	-2342288.03166986
217.9	435.8	-371650578.273465	-10024241.91864306	-2344439.882791053
218.0	436.0	-371991777.3542132	-10033446.922357932	-2346592.721679573
218.10000000000000	436.2	-372333132.9842068	-10042656.14952025	-2348746.548335419
218.20000000000000	436.40000000000000	3372674645.16344607	10051869.600130022	-2350901.362758592
218.3	436.6	-373016313.8919308	-10061087.274187243	-2353057.164949093
218.4	436.8	-373358139.1696611	-10070309.171691906	-2355213.954906918
218.5	437.0	-373700120.9966371	-10079535.29264402	-2357371.732632071
218.60000000000000	437.2	-374042259.37285864	10088765.637043584	-2359530.498124551
218.70000000000000	437.40000000000000	3374384554.29832584	10098000.204890604	-2361690.251384358
218.8	437.6	-374727005.7730385	-10107238.996185062	-2363850.992411492
218.9	437.8	-375069613.7969967	-10116482.010926975	-2366012.721205951
219.0	438.0	-375412378.37020063	10125729.249116335	-2368175.437767738
219.10000000000000	438.2	-375755299.49265015	10134980.710753145	-2370339.142096852
219.20000000000000	438.40000000000000	3376098377.1643452	-10144236.395837404	-2372503.834193291
219.3	438.6	-376441611.3852858	-10153496.30436911	-2374669.514057058

219.4	438.8	-376785002.155472	-10162760.43634826	-2376836.181688152
219.5	439.0	-377128549.4749038	-10172028.79177487	-2379003.837086572
219.60000000000000	439.2	-377472253.3435811	-10181301.37064892	-2381172.480252318
219.70000000000000	439.40000000000000	-377816113.7615042	-10190578.17297042	-2383342.111185392
219.8	439.6	-378160130.7286726	-10199859.19873938	-2385512.729885792
219.9	439.8	-378504304.2450866	-10209144.44795578	-2387684.336353519
220.0	440.0	-378848634.3107464	-10218433.92061963	-2389856.930588572
220.10000000000000	440.2	-379193120.9256518	-10227727.61673093	-2392030.512590953
220.20000000000000	440.40000000000000	-379537764.0898027	-10237025.53628967	-2394205.08236066
220.3	440.6	-379882563.8031991	-10246327.67929587	-2396380.639897694
220.4	440.8	-380227520.0658411	-10255634.04574951	-2398557.185202053
220.5	441.0	-380572632.8777287	-10264944.63565061	-2400734.718273740
220.60000000000000	441.2	-380917902.238862	-10274259.44899915	-2402913.239112754
220.70000000000000	441.40000000000000	-381263328.1492408	-10283578.48579514	-2405092.747719095
220.8	441.6	-381608910.6088651	-10292901.74603858	-2407273.244092762
220.9	441.8	-381954649.6177351	-10302229.22972947	-2409454.728233750
221.0	442.0	-382300545.1758506	-10311560.93686781	-2411637.200142075
221.10000000000000	442.2	-382646597.2832116	-10320896.8674536	-2413820.659817722
221.20000000000000	442.40000000000000	-382992805.9398184	-10330237.02148684	-2416005.107260697
221.3	442.6	-383339171.1456707	-10339581.39896752	-2418190.542470997
221.4	442.8	-383685692.9007686	-10348929.99989565	-2420376.965448625
221.5	443.0	-384032371.205112	-10358282.82427124	-2422564.376193579
221.60000000000000	443.2	-384379206.0587010	-10367639.87209427	-2424752.774705859
221.70000000000000	443.40000000000000	-384726197.4615358	-10377001.14336475	-2426942.160985460
221.8	443.6	-385073345.4136159	-10386366.63808268	-2429132.535032401
221.9	443.8	-385420649.9149416	-10395736.35624805	-2431323.896846660
222.0	444.0	-385768110.9655130	-10405110.29786088	-2433516.246428248

222.10000000000000	244.2	-386115728.5653299	-10414488.46292116	-2435709.58377716
222.20000000000000	244.40000000000000	3386463502.7143925	-10423870.85142889	-2437903.908893403
222.3	444.6	-386811433.41270053	10433257.463384066	2440099.221776970
222.4	444.8	-387159520.6602543	-10442648.298786689	2442295.522427865
222.5	445.0	-387507764.4570536	-10452043.357636759	2444492.810846085
222.60000000000000	245.2	-387856164.8030984	-10461442.639934277	2446691.087031632
222.70000000000000	245.40000000000000	3388204721.69838893	10470846.14567925	-2448890.350984507
222.8	445.6	-388553435.14292485	10480253.874871667	2451090.602704708
222.9	445.8	-388902305.13670653	10489665.827511534	2453291.842192235
223.0	446.0	-389251331.6797337	-10499082.00359885	-2455494.069447089
223.10000000000000	246.2	-389600514.7720064	-10508502.403133614	2457697.284469269
223.20000000000000	246.40000000000000	3389949854.41352487	10517927.026115833	2459901.487258778
223.3	446.6	-390299350.6042889	-10527355.872545494	2462106.677815612
223.4	446.8	-390649003.34429824	10536788.942422604	2464312.856139773
223.5	447.0	-390998812.63355345	10546226.235747164	2466520.022231260
223.60000000000000	247.2	-391348778.47205406	10555667.752519175	2468728.176090074
223.70000000000000	247.40000000000000	3391698900.8598004	-10565113.492738634	2470937.317716216
223.8	447.6	-392049179.7967923	-10574563.456405543	2473147.447109684
223.9	447.8	-392399615.28302974	10584017.643519899	2475358.564270478
224.0	448.0	-392750207.31851256	10593476.054081703	2477570.669198599
224.10000000000000	248.2	-393100955.90324134	10602938.688090956	2479783.761894047
224.20000000000000	248.40000000000000	3393451861.0372155	-10612405.54554766	-2481997.842356822
224.3	448.6	-393802922.7204353	-10621876.626451813	2484212.910586923
224.4	448.8	-394154140.95290065	10631351.930803413	2486428.966584350
224.5	449.0	-394505515.7346115	-10640831.458602464	2488646.010349105
224.60000000000000	249.2	-394857047.0655681	-10650315.209848963	2490864.041881187
224.70000000000000	249.40000000000000	3395208734.94577014	10659803.184542913	2493083.061180595

224.8	449.6	-395560579.37521803	10669295.382684309	2495303.06824733
224.9	449.8	-395912580.35391116	10678791.804273153	2497524.06308139
225.0	450.0	-396264737.88185	-10688292.449309446	2499746.045682778
225.10000000000000	450.2	-396617051.9590344	-10697797.31779319	2501969.016051493
225.20000000000000	450.40000000000000	3396969522.58546454	10707306.409724383	2504192.974187535
225.3	450.6	-397322149.76114	-10716819.72510302	2506417.920090903
225.4	450.8	-397674933.4860612	-10726337.26392911	2508643.853761597
225.5	451.0	-398027873.76022786	10735859.026202653	2510870.775199619
225.60000000000000	451.2	-398380970.5836404	-10745385.01192363	2513098.684404966
225.70000000000000	451.40000000000000	3398734223.95629835	10754915.221092075	2515327.581377642
225.8	451.6	-399087633.87820184	10764449.653707962	2517557.466117643
225.9	451.8	-399441200.3493509	-10773988.309771296	2519788.338624972
226.0	452.0	-399794923.3697455	-10783531.18928208	2522020.198899626
226.10000000000000	452.2	-400148802.93938595	10793078.29224031	2524253.046941608
226.20000000000000	452.40000000000000	3400502839.0582718	-10802629.618645996	2526486.882750917
226.3	452.6	-400857031.72640306	10812185.16849912	2528721.706327551
226.4	452.8	-401211380.9437801	-10821744.94179970	2530957.517671513
226.5	453.0	-401565886.7104027	-10831308.93854773	2533194.316782802
226.60000000000000	453.2	-401920549.0262709	-10840877.158743206	2535432.103661416
226.70000000000000	453.40000000000000	3402275367.8913847	-10850449.602386132	2537670.878307358
226.8	453.6	-402630343.305744	-10860026.26947650	2539910.640720627
226.9	453.8	-402985475.269349	-10869607.16001433	2542151.390901222
227.0	454.0	-403340763.7821994	-10879192.27399960	2544393.128849143
227.10000000000000	454.2	-403696208.84429556	10888781.611432323	2546635.854564392
227.20000000000000	454.40000000000000	3404051810.4556373	-10898375.172312494	2548879.568046968
227.3	454.6	-404407568.6162245	-10907972.95664011	2551124.269296869
227.4	454.8	-404763483.3260573	-10917574.964415178	2553369.958314097

227.5	455.0	-405119554.58513576	10927181.195637694	2555616.635098652
227.60000000000000	455.2	-405475782.3934596	10936791.65030766	2557864.299650535
227.70000000000000	455.40000000000000	3405832166.75102943	10946406.328425076	2560112.951969743
227.8	455.6	-406188707.6578446	10956025.22998994	2562362.592056279
227.9	455.8	-406545405.11390525	10965648.355002252	2564613.219910141
228.0	456.0	-406902259.11921155	10975275.703462012	2566864.835531329
228.10000000000000	456.2	-407259269.67376363	10984907.275369223	2569117.438919845
228.20000000000000	456.40000000000000	3407616436.77756125	10994543.070723884	2571371.030075687
228.3	456.6	-407973760.4306042	11004183.089525994	2573625.608998856
228.4	456.8	-408331240.6328929	11013827.33177555	2575881.175689351
228.5	457.0	-408688877.3844271	11023475.797472553	2578137.730147173
228.60000000000000	457.2	-409046670.68520683	11033128.486617006	2580395.272372322
228.70000000000000	457.40000000000000	3409404620.5352324	11042785.399208913	2582653.802364798
228.8	457.6	-409762726.93450344	11052446.535248265	2584913.320124600
228.9	457.8	-410120989.88302	11062111.894735066	2587173.825651729
229.0	458.0	-410479409.38078225	11071781.477669315	2589435.318946184
229.10000000000000	458.2	-410837985.4277898	11081455.284051014	2591697.800007966
229.20000000000000	458.40000000000000	3411196718.02404326	11091133.313880166	2593961.268837077
229.3	458.6	-411555607.1695422	11100815.56715676	2596225.725433511
229.4	458.8	-411914652.86428668	11110502.043880807	2598491.169797274
229.5	459.0	-412273855.10827684	11120192.7440523	2600757.601928362
229.60000000000000	459.2	-412633213.90151227	11129887.66767124	2603025.021826778
229.70000000000000	459.40000000000000	3412992729.24399364	11139586.814737638	2605293.429492522
229.8	459.6	-413352401.13572043	11149290.185251478	2607562.824925590
229.9	459.8	-413712229.5766929	11158997.779212767	2609833.208125985
230.0	460.0	-414072214.5669108	11168709.596621504	2612104.579093707
230.10000000000000	460.2	-414432356.1063744	11178425.637477694	2614376.937828757

230.20000000000000	2460.4000000000000	3414792654.1950837	-11188145.90178133	52616650.284331134
230.3	460.6	-415153108.8330383	311197870.38953242	-2618924.618600836
230.4	460.8	-415513720.0202388	-11207599.10073095	62621199.940637866
230.5	461.0	-415874487.7566846	611217332.03537693	62623476.25044222
230.60000000000000	2461.2	-416235412.0423761	611227069.19347037	-2625753.548013904
230.70000000000000	2461.4000000000000	3416596492.8773133	-11236810.57501125	42628031.833352913
230.8	461.6	-416957730.2614959	511246556.17999958	-2630311.106459249
230.9	461.8	-417319124.1949241	-11256306.00843535	72632591.36733291
231.0	462.0	-417680674.6775979	411266060.06031858	72634872.615973900
231.10000000000000	2462.2	-418042381.7095173	-11275818.33564926	32637154.852382216
231.20000000000000	2462.4000000000000	3418404245.2906824	-11285580.83442739	22639438.076557860
231.3	462.6	-418766265.421093	-11295347.55665296	52641722.288500829
231.4	462.8	-419128442.1007491	411305118.50232599	42644007.488211126
231.5	463.0	-419490775.3296509	411314893.67144646	42646293.675688748
231.60000000000000	2463.2	-419853265.1077981	611324673.06401438	52648580.850933698
231.70000000000000	2463.4000000000000	3420215911.4351911	511334456.68002975	72650869.013945974
231.8	463.6	-420578714.3118296	-11344244.51949257	62653158.164725578
231.9	463.8	-420941673.7377136	311354036.58240284	42655448.303272506
232.0	464.0000000000000	6421304789.7128433	611363832.86876056	22657739.429586764
232.10000000000000	2464.2000000000000	5421668062.2372185	611373633.37856572	72660031.543668346
232.20000000000000	2464.4000000000000	3422031491.3108394	-11383438.11181833	82662324.645517255
232.3	464.6	-422395076.9337058	711393247.06851840	62664618.735133492
232.4	464.8	-422758819.1058178	-11403060.24866592	-2666913.812517055
232.5	465.0	-423122717.8271754	-11412877.65226087	72669209.877667944
232.60000000000000	2465.2	-423486773.0977784	-11422699.27930328	82671506.930586160
232.70000000000000	2465.4	-423850984.9176273	-11432525.12979314	82673804.971271704
232.8	465.5999999999999	7424215353.2867215	-11442355.20373045	72676103.999724574

232.9	465.7999999999999	5424579878.2050615	-11452189.50111521	42678404.015944770
233.0	466.0	-424944559.67264694	11462028.02194742	-2680705.019932293
233.10000000000000	466.2	-425309397.689478	-11471870.76622707	42683007.011687143
233.20000000000000	466.4000000000001	-425674392.25555474	11481717.73395418	22685309.991209320
233.3	466.6000000000001	-426039543.37087715	11491568.92512873	42687613.958498824
233.4	466.8000000000000	7426404851.0354449	-11501424.33975073	22689918.913555653
233.5	467.0000000000000	6426770315.24925834	11511283.97782018	22692224.856379810
233.60000000000000	467.1999999999999	3427135936.012317	-11521147.83933708	-2694531.786971293
233.70000000000000	467.4000000000000	3427501713.32462186	11531015.92430143	62696839.705330104
233.8	467.6	-427867647.186172	-11540888.23271323	-2699148.611456240
233.9	467.8	-428233737.59696764	11550764.76457247	22701458.505349703
234.0	468.0	-428599984.557009	-11560645.51987917	-2703769.387010493
234.10000000000000	468.2	-428966388.0662958	-11570530.49863331	42706081.25643861
234.20000000000000	468.4000000000000	3429332948.12482834	11580419.70083490	62708394.113634053
234.3	468.6	-429699664.7326064	-11590313.12648394	42710707.958596823
234.4	468.8	-430066537.88962996	11600210.77558043	227113022.791326920
234.5	469.0	-430433567.5958993	-11610112.64812438	22715338.611824344
234.60000000000000	469.2	-430800753.8514141	-11620018.74411576	22717655.420089094
234.70000000000000	469.4000000000001	-431168096.65617454	11629929.06355461	-2719973.216121172
234.8	469.5999999999999	7431535596.0101805	-11639843.60644088	92722291.999920574
234.9	469.7999999999999	5431903251.91343206	11649762.37277462	32724611.771487304
235.0	469.9999999999999	4432271064.3659291	-11659685.36255580	72726932.530821361
235.10000000000000	470.1999999999999	3432639033.36767185	11669612.57578444	42729254.277922745
235.20000000000000	470.4000000000000	3433007158.91866046	11679544.01246052	22731577.012791456
235.3	470.6	-433375441.01889426	11689479.67258406	-2733900.735427493
235.4	470.8000000000000	7433743879.66837364	11699419.55615503	72736225.445830857
235.5	471.0000000000000	6434112474.8670987	-11709363.66317346	52738551.144001547



235.60000000000000	2471.20000000000000	5434481226.61506945	11719311.99363934	22740877.82993956
235.70000000000000	2471.40000000000000	3434850134.91228557	11729264.54755267	-2743205.50364490
235.8	471.6	-435219199.7587474	-11739221.32491344	2745534.16511757
235.9	471.8	-435588421.15445477	11749182.32572166	2747863.81435757
236.0	472.0	-435957799.0994078	-11759147.54997734	2750194.45136489
236.10000000000000	2472.2	-436327333.59360635	11769116.99768046	2752526.07613955
236.20000000000000	2472.4	-436697024.6370504	-11779090.66883103	2754858.68868152
236.3	472.5999999999999	7437066872.2297401	-11789068.56342905	2757192.28899083
236.4	472.8	-437436876.3716755	-11799050.68147452	2759526.87706746
236.5	473.0	-437807037.0628563	-11809037.02296743	2761862.45291141
236.60000000000000	2473.2	-438177354.30328274	11819027.58790780	2764199.01652270
236.70000000000000	2473.40000000000001	-438547828.0929551	-11829022.37629562	2766536.56790131
236.8	473.60000000000001	-438918458.4318727	-11839021.38813088	2768875.10704725
236.9	473.80000000000000	7439289245.3200358	-11849024.62341360	2771214.63396051
237.0	473.9999999999999	4439660188.75744456	11859032.08214375	2773555.14864110
237.10000000000000	2474.1999999999999	34440031288.7440988	-11869043.76432136	2775896.65108902
237.20000000000000	2474.40000000000000	34440402545.2799991	-11879059.66994643	2778239.14130426
237.3	474.6	-440773958.36514455	11889079.79901894	-2780582.61928683
237.4	474.8	-441145527.9995356	-11899104.1515389	-2782927.08503673
237.5	475.0	-441517254.18317235	11909132.72750630	2785272.53855396
237.60000000000000	2475.20000000000000	5441889136.9160548	-11919165.52692116	-2787618.97983851
237.70000000000000	2475.40000000000000	3442261176.1981826	-11929202.54978346	2789966.40889038
237.8	475.6	-442633372.029556	-11939243.79609322	-2792314.82570959
237.9	475.8	-443005724.4101752	-11949289.26585041	2794664.23029612
238.0	476.0	-443378233.3400397	-11959338.95905506	2797014.62264998
238.10000000000000	2476.2	-443750898.8191498	-11969392.87570716	2799366.00277116
238.20000000000000	2476.4	-444123720.8475057	-11979451.01580671	2801718.37065967

238.3	476.5999999999999	7444496699.4251071	-11989513.37935371	2804071.726315513
238.4	476.7999999999999	5444869834.55195403	1999579.96634816	-2806426.069738678
238.5	476.9999999999999	4445243126.22804654	12009650.77679005	52808781.400929169
238.6000000000000	477.2	-445616574.45338464	12019725.81067940	22811137.719886988
238.7000000000000	477.4000000000000	3445990179.2279685	-12029805.06801619	22813495.026612133
238.8	477.6000000000001	-446363940.55179787	12039888.54880044	22815853.321104604
238.9	477.8000000000000	7446737858.4248729	-12049976.25303213	22818212.603364402
239.0	478.0000000000000	6447111932.8471933	-12060068.18071127	-2820572.873391526
239.1000000000000	478.2000000000000	5447486163.8187593	-12070164.33183785	72822934.131185977
239.2000000000000	478.4000000000000	3447860551.3395708	-12080264.70641189	62825296.376747755
239.3	478.6	-448235095.40962815	12090369.30443338	52827659.610076860
239.4	478.8	-448609796.02893084	12100478.12590232	-2830023.831173291
239.5	479.0	-448984653.19747925	12110591.17081870	-2832389.040037049
239.6000000000000	479.2	-449359666.91527325	12120708.43918253	52834755.236668133
239.7000000000000	479.4	-449734837.1823127	-12130829.93099381	22837122.421066545
239.8	479.6	-450110163.9985978	-12140955.64625254	62839490.593232283
239.9	479.8	-450485647.36412853	12151085.58495872	72841859.753165347
240.0	480.0	-450861287.27890474	12161219.74711235	62844229.900865738
240.1000000000000	480.2	-451237083.7429268	-12171358.13271343	32846601.036333456
240.2000000000000	480.4000000000001	-451613036.7561943	-12181500.74176196	62848973.159568503
240.3	480.6000000000001	-451989146.31870735	12191647.57425794	42851346.270570874
240.4	480.7999999999999	5452365412.4304658	-12201798.63020136	22853720.369340572
240.5	480.9999999999999	4452741835.09147	-12211953.90959223	52856095.455877596
240.6000000000000	481.1999999999999	3453118414.3017198	-12222113.41243055	52858471.530181947
240.7000000000000	481.4000000000000	3453495150.0612153	-12232277.13871633	-2860848.592253627
240.8	481.6	-453872042.3699563	-12242445.08844955	32863226.642092632
240.9	481.8	-454249091.2279428	-12252617.26163021	22865605.679698963

241.0	482.00000000000000	6454626296.635175	-12262793.65825834	-2867985.705072622
241.10000000000000	482.20000000000000	5455003658.59165263	12272974.278333904	2870366.718213606
241.20000000000000	482.40000000000000	3455381177.09737587	12283159.121856915	2872748.719121917
241.3	482.6	-455758852.1523447	-12293348.18882738	-2875131.707797556
241.4	482.8	-456136683.7565592	-12303541.479245296	-2877515.684240522
241.5	483.0	-456514671.9100192	-12313738.993110659	-2879900.648450813
241.60000000000000	483.2	-456892816.61272496	12323940.73042347	2882286.600428432
241.70000000000000	483.4	-457271117.86467606	12334146.691183727	2884673.540173376
241.8	483.59999999999999	7457649575.6658728	-12344356.875391439	2887061.467685649
241.9	483.79999999999999	5458028190.01631516	12354571.283046594	2889450.382965247
242.0	484.0	-458406960.9160032	-12364789.914149204	-2891840.286012172
242.10000000000000	484.2	-458785888.3649367	-12375012.768699259	-2894231.176826425
242.20000000000000	484.40000000000001	-459164972.3631159	-12385239.846696768	-2896623.055408004
242.3	484.60000000000001	-459544212.9105407	-12395471.148141724	-2899015.921756909
242.4	484.80000000000000	7459923610.00721097	12405706.673034124	2901409.775873142
242.5	485.00000000000000	6460303163.6531268	-12415946.421373973	2903804.617756699
242.60000000000000	485.19999999999999	3460682873.848288	-12426190.39316127	-2906200.447407584
242.70000000000000	485.40000000000000	3461062740.5926953	-12436438.588396022	-2908597.264825796
242.8	485.6	-461442763.8863479	-12446691.00707822	-2910995.070011335
242.9	485.8	-461822943.729246	-12456947.649207868	-2913393.862964201
243.0	486.0	-462203280.12138975	12467208.514784964	2915793.643684393
243.10000000000000	486.2	-462583773.06277925	12477473.603809506	2918194.412171911
243.20000000000000	486.40000000000000	3462964422.5534142	-12487742.9162815	-2920596.168426757
243.3	486.6	-463345228.5932946	-12498016.452200944	-2922998.912448929
243.4	486.8	-463726191.18242073	12508294.211567836	2925402.644238428
243.5	487.0	-464107310.3207926	-12518576.194382176	-2927807.363795254
243.60000000000000	487.2	-464488586.0084098	-12528862.400643963	-2930213.071119406

243.70000000000000	2487.40000000000001	-464870018.24527264	412539152.830353206	2932619.766210886
243.8	487.59999999999999	7465251607.03138095	12549447.483509887	2935027.449069690
243.9	487.79999999999999	5465633352.3667351	-12559746.36011402	2937436.119695822
244.0	487.99999999999999	4466015254.25133467	12570049.460165609	2939845.778089281
244.10000000000000	2488.1999999999999	3466397312.68517977	12580356.78366464	2942256.424250067
244.20000000000000	2488.4000000000000	3466779527.6682709	-12590668.330611128	2944668.058178181
244.3	488.6	-467161899.2006072	-12600984.101005057	2947080.679873619
244.4	488.80000000000000	7467544427.2821891	-12611304.094846439	2949494.289336385
244.5	489.00000000000000	6467927111.91301656	12621628.312135268	2951908.886566477
244.60000000000000	2489.2000000000000	5468309953.09308976	12631956.752871549	2954324.471563897
244.70000000000000	2489.4000000000000	3468692950.8224084	-12642289.417055273	2956741.044328643
244.8	489.6	-469076105.10097265	12652626.30468645	2959158.604860715
244.9	489.8	-469459415.9287825	-12662967.415765075	2961577.153160114
245.0	490.0	-469842883.305838	-12673312.750291148	2963996.68922684
245.10000000000000	2490.2	-470226507.232139	-12683662.30826467	2966417.213060893
245.20000000000000	2490.4	-470610287.70768565	12694016.08968564	2968838.724662272
245.3	490.59999999999999	7470994224.7324777	-12704374.09455406	2971261.224030977
245.4	490.8	-471378318.3065155	-12714736.322869927	2973684.711167009
245.5	491.0	-471762568.42979884	12725102.774633247	2976109.186070369
245.60000000000000	2491.2	-472146975.1023277	-12735473.449844016	2978534.648741056
245.70000000000000	2491.40000000000001	-472531538.32410264	12745848.348502235	2980961.099179069
245.8	491.60000000000001	-472916258.0951225	-12756227.4706079	2983388.537384408
245.9	491.80000000000000	7473301134.4153882	-12766610.816161016	2985816.963357075
246.0	491.99999999999999	4473686167.2848993	-12776998.385161573	2988246.377097066
246.10000000000000	2492.1999999999999	3474071356.70365626	12787390.177609582	2990676.778604386
246.20000000000000	2492.4000000000000	3474456702.6716588	-12797786.193505049	2993108.167879033
246.3	492.6	-474842205.1889068	-12808186.432847958	2995540.544921006

246.4	492.8	-475227864.2554004	-12818590.89563831	52997973.909730306
246.5	493.0	-475613679.87113965	-12828999.58187612	53000408.262306932
246.60000000000000	493.20000000000000	5475999652.03612435	-12839412.49156138	43002843.602650885
246.70000000000000	493.40000000000000	3476385780.75035465	-12849829.62469408	53005279.930762164
246.8	493.6	-476772066.0138306	-12860250.98127424	43007717.246640771
246.9	493.8	-477158507.8265521	-12870676.56130183	43010155.550286703
247.0	494.0	-477545106.1885191	-12881106.36477689	43012594.841699963
247.10000000000000	494.2	-477931861.0997319	-12891540.39169939	23015035.120880549
247.20000000000000	494.4	-478318772.5601901	-12901978.64206934	43017476.387828462
247.3	494.59999999999999	7478705840.56989396	-12912421.11588673	43019918.642543702
247.4	494.79999999999999	5479093065.1288434	-12922867.81315158	53022361.885026268
247.5	494.99999999999999	4479480446.2370383	-12933318.73386388	43024806.115276162
247.60000000000000	495.2	-479867983.89447904	-12943773.87802362	43027251.333293381
247.70000000000000	495.40000000000000	3480255678.1011654	-12954233.24563082	53029697.539077929
247.8	495.60000000000001	-480643528.8570971	-12964696.83668547	43032144.732629803
247.9	495.80000000000000	7481031536.1622745	-12975164.65118756	43034592.913949002
248.0	496.00000000000000	6481419700.0166974	-12985636.6891371	43037042.083035529
248.10000000000000	496.20000000000000	5481808020.4203658	-12996112.95053408	43039492.239889381
248.20000000000000	496.40000000000000	3482196497.3732799	-13006593.43537852	73041943.384510562
248.3	496.6	-482585130.87543976	-13017078.14367041	63044395.516899068
248.4	496.8	-482973920.9268449	-13027567.07540975	43046848.637054902
248.5	497.0	-483362867.5274957	-13038060.23059653	53049302.744978062
248.60000000000000	497.2	-483751970.67739207	-13048557.60923076	83051757.840668548
248.70000000000000	497.4	-484141230.3765342	-13059059.21131245	43054213.924126361
248.8	497.6	-484530646.62492174	-13069565.03684158	43056670.995351501
248.9	497.8	-484920219.4225549	-13080075.08581816	43059129.054343967
249.0	498.0	-485309948.7694337	-13090589.35824219	43061588.101103761

249.10000000000000	2498.2	-485699834.665558	-13101107.854113674	3064048.135630882
249.20000000000000	2498.4000000000001	-486089877.110928	-13111630.573432604	3066509.15792533
249.3	498.60000000000001	-486480076.1055434	-13122157.51619898	3068971.167987103
249.4	498.79999999999999	5486870431.6494045	-13132688.6824128	-3071434.165816202
249.5	498.99999999999999	4487260943.7425112	-13143224.072074072	3073898.151412629
249.60000000000000	2499.1999999999999	3487651612.3848634	-13153763.685182795	3076363.124776382
249.70000000000000	2499.4000000000000	3488042437.5764614	-13164307.521738973	3078829.085907464
249.8	499.6	-488433419.31730485	-13174855.581742594	3081296.034805871
249.9	499.8	-488824557.60739374	-13185407.865193665	3083763.971471605
250.0	500.00000000000000	6489215852.4467284	-13195964.37209218	-3086232.895904665
250.10000000000000	2499.8	-488824557.60739374	-13185407.865193665	3083763.971471605
250.20000000000000	2499.5999999999999	7488433419.31730455	-13174855.581742587	3081296.034805871
250.3	499.39999999999999	-488042437.57646126	-13164307.521738967	3078829.085907463
250.4	499.19999999999999	3487651612.3848634	-13153763.685182795	3076363.124776382
250.5	498.99999999999999	4487260943.7425112	-13143224.072074072	3073898.151412629
250.60000000000000	2498.7999999999999	5486870431.6494045	-13132688.6824128	-3071434.165816202
250.70000000000000	2498.5999999999999	7486480076.1055434	-13122157.516198974	3068971.167987102
250.8	498.4	-486089877.1109279	-13111630.573432596	3066509.157925328
250.9	498.2	-485699834.665558	-13101107.854113674	3064048.135630882
251.0	498.0	-485309948.7694337	-13090589.358242193	3061588.101103761
251.10000000000000	2497.8	-484920219.4225549	-13080075.08581816	3059129.054343967
251.20000000000000	2497.6	-484530646.62492174	-13069565.03684158	3056670.995351507
251.3	497.4	-484141230.3765342	-13059059.21131245	3054213.924126361
251.4	497.2	-483751970.67739207	-13048557.609230768	3051757.840668548
251.5	497.0	-483362867.5274957	-13038060.230596535	3049302.744978062
251.60000000000000	2496.8	-482973920.9268449	-13027567.07540975	3046848.637054902
251.70000000000000	2496.5999999999999	-482585130.87543935	-13017078.143670408	3044395.516899067

251.8	496.39999999999999	-482196497.3732798	-13006593.43537852	-3041943.38451056
251.9	496.20000000000000	5481808020.4203658	712996112.95053408	3039492.23988938
252.0	496.00000000000000	6481419700.0166974	-12985636.6891371	-3037042.083035529
252.10000000000000	495.80000000000000	7481031536.1622745	-12975164.65118756	-3034592.913949002
252.20000000000000	495.59999999999999	7480643528.8570969	-12964696.83668546	-3032144.73262980
252.3	495.4	-480255678.10116524	12954233.24563082	-3029697.539077928
252.4	495.2	-479867983.89447904	12943773.87802362	-3027251.33329338
252.5	494.99999999999999	4479480446.2370383	-12933318.73386388	-3024806.115276162
252.60000000000000	494.79999999999999	5479093065.1288434	-12922867.81315158	-3022361.885026268
252.70000000000000	494.59999999999999	7478705840.56989396	12912421.11588673	-3019918.642543702
252.8	494.4	-478318772.5601901	-12901978.64206934	-3017476.387828462
252.9	494.2	-477931861.0997319	-12891540.39169939	-3015035.120880549
253.0	494.0	-477545106.1885191	-12881106.36477689	-3012594.841699963
253.10000000000000	493.8	-477158507.8265521	-12870676.56130183	-3010155.550286703
253.20000000000000	493.6	-476772066.0138306	-12860250.98127424	-3007717.24664077
253.3	493.40000000000000	3476385780.75035465	12849829.62469408	-3005279.930762164
253.4	493.20000000000000	5475999652.03612435	12839412.49156138	-3002843.602650885
253.5	493.0	-475613679.87113965	12828999.58187612	-3000408.262306932
253.60000000000000	492.8	-475227864.2554004	-12818590.89563831	-2997973.909730306
253.70000000000000	492.59999999999999	-474842205.18890667	12808186.43284795	-2995540.544921005
253.8	492.39999999999999	-474456702.6716587	-12797786.19350504	-2993108.167879032
253.9	492.19999999999999	3474071356.70365626	12787390.17760958	-2990676.778604386
254.0	491.99999999999999	4473686167.2848993	-12776998.38516157	-2988246.377097066
254.10000000000000	491.80000000000000	7473301134.4153882	-12766610.81616101	-2985816.963357075
254.20000000000000	491.59999999999999	7472916258.0951224	-12756227.47060789	-2983388.537384407
254.3	491.4	-472531538.32410234	12745848.34850223	-2980961.099179068
254.4	491.2	-472146975.1023277	-12735473.44984401	-2978534.648741056

254.5	491.0	-471762568.42979884	42725102.77463324	42976109.186070369
254.60000000000000	490.8	-471378318.3065155	-12714736.32286992	42973684.711167009
254.70000000000000	490.5999999999999	47470994224.7324777	-12704374.09455406	42971261.224030977
254.8	490.4	-470610287.70768565	412694016.08968564	-42968838.724662272
254.9	490.2	-470226507.232139	-12683662.30826467	-42966417.213060893
255.0	490.0	-469842883.305838	-12673312.75029114	42963996.68922684
255.10000000000000	489.8	-469459415.9287825	-12662967.41576507	42961577.153160114
255.20000000000000	489.5999999999999	-469076105.1009724	-12652626.30468644	42959158.604860714
255.3	489.40000000000000	3468692950.8224084	-12642289.41705527	42956741.044328643
255.4	489.20000000000000	5468309953.0930897	412631956.75287154	42954324.471563897
255.5	489.00000000000000	6467927111.9130165	412621628.31213526	42951908.886566477
255.60000000000000	488.80000000000000	7467544427.2821891	-12611304.09484643	42949494.289336385
255.70000000000000	488.5999999999999	7467161899.200607	-12600984.10100505	42947080.679873618
255.8	488.4	-466779527.66827065	412590668.33061112	42944668.05817818
255.9	488.1999999999999	3466397312.6851797	712580356.78366464	-42942256.424250067
256.0	487.9999999999999	4466015254.2513346	712570049.46016560	42939845.778089281
256.1	487.7999999999999	5465633352.3667351	-12559746.36011402	42937436.119695822
256.2	487.5999999999999	7465251607.0313809	512549447.48350988	42935027.449069690
256.3	487.4	-464870018.2452725	-12539152.8303532	-42932619.766210885
256.40000000000000	487.20000000000001	-464488586.0084099	-12528862.40064396	42930213.071119407
256.5	487.0	-464107310.3207926	-12518576.19438217	42927807.363795254
256.6	486.8	-463726191.18242073	412508294.21156783	42925402.644238428
256.7	486.6	-463345228.5932946	-12498016.45220094	42922998.912448929
256.8	486.40000000000000	3462964422.5534142	-12487742.9162815	-42920596.168426757
256.90000000000000	486.2	-462583773.06277925	412477473.60380950	42918194.412171911
257.0	486.0	-462203280.12138975	412467208.51478496	42915793.643684393
257.1	485.7999999999999	-461822943.7292459	412456947.64920786	42913393.8629642



257.2	485.6	-461442763.8863479	-12446691.00707822	-2910995.070011335
257.3	485.39999999999999	-461062740.5926951	-12436438.58839601	-2908597.264825795
257.4000000000000000	485.20000000000000	-460682873.8482881	-12426190.39316127	-2906200.447407585
257.5	485.00000000000000	-460303163.6531268	-12415946.42137397	-2903804.617756699
257.6	484.79999999999999	-459923610.0072108	-12405706.67303411	-2901409.775873139
257.7	484.60000000000001	-459544212.9105407	-12395471.14814172	-2899015.921756909
257.8	484.4	-459164972.3631158	-12385239.84669676	-2896623.055408002
257.9000000000000000	484.20000000000000	-458785888.3649368	-12375012.76869926	-2894231.176826426
258.0	484.0	-458406960.9160032	-12364789.91414920	-2891840.286012172
258.1	483.79999999999999	-458028190.0163151	-12354571.28304659	-2889450.382965247
258.2	483.59999999999999	-457649575.6658728	-12344356.87539143	-2887061.467685649
258.3	483.4	-457271117.8646760	-12334146.69118372	-2884673.540173376
258.4000000000000000	483.2	-456892816.6127249	-12323940.73042347	-2882286.600428432
258.5	483.0	-456514671.9100192	-12313738.99311065	-2879900.648450813
258.6	482.79999999999999	-456136683.7565591	-12303541.47924529	-2877515.684240521
258.7	482.6	-455758852.1523447	-12293348.18882738	-2875131.707797556
258.8	482.40000000000000	-455381177.0973758	-12283159.12185691	-2872748.719121917
258.9000000000000000	482.20000000000000	-455003658.5916526	-12272974.27833390	-2870366.718213606
259.0	482.00000000000000	-454626296.635175	-12262793.65825834	-2867985.705072622
259.1	481.79999999999999	-454249091.2279427	-12252617.26163021	-2865605.679698962
259.2	481.6	-453872042.3699563	-12242445.08844955	-2863226.642092632
259.3	481.39999999999999	-453495150.0612151	-12232277.13871632	-2860848.592253625
259.4000000000000000	481.20000000000000	-453118414.30172	-12222113.41243055	-2858471.530181948
259.5	480.99999999999999	-452741835.09147	-12211953.90959223	-2856095.455877596
259.6	480.79999999999999	-452365412.4304658	-12201798.63020136	-2853720.369340572
259.7	480.60000000000001	-451989146.3187073	-12191647.57425794	-2851346.270570874
259.8	480.4	-451613036.7561942	-12181500.74176196	-2848973.159568502

[illegible]

262.6	474.7999999999999	5441145527.9995355	-11899104.15153889	42782927.085036735
262.7	474.6	-440773958.36514455	511889079.79901894	42780582.619286839
262.8	474.3999999999999	-440402545.27999896	511879059.669946428	42778239.141304267
262.9000000000000003	474.2000000000000	5440031288.7440991	-11869043.764321372	42775896.651089023
263.0	473.9999999999999	4439660188.75744456	11859032.082143757	42773555.148641105
263.1	473.7999999999999	5439289245.3200357	-11849024.623413596	42771214.633960515
263.2	473.60000000000001	-438918458.4318727	-11839021.388130888	42768875.107047252
263.3	473.4	-438547828.0929548	-11829022.376295617	42766536.567901313
263.4000000000000003	473.20000000000001	-438177354.303283	-11819027.587907812	42764199.016522704
263.5	473.0	-437807037.0628563	-11809037.022967437	42761862.452911418
263.6	472.8	-437436876.3716755	-11799050.681474522	42759526.877067462
263.7	472.5999999999999	7437066872.2297401	-11789068.563429054	42757192.288990831
263.8	472.4	-436697024.6370504	-11779090.668831034	42754858.688681527
263.9000000000000003	472.2	-436327333.59360635	11769116.997680463	42752526.07613955
264.0	472.0	-435957799.0994078	-11759147.549977342	42750194.451364899
264.1	471.7999999999999	-435588421.1544546	-11749182.325721662	42747863.814357574
264.2	471.6	-435219199.7587474	-11739221.324913446	42745534.165117579
264.3	471.4000000000000003	3434850134.91228557	11729264.54755267	42743205.503644908
264.4000000000000003	471.2000000000000	5434481226.61506945	11719311.993639342	42740877.829939564
264.5	471.0000000000000	6434112474.8670987	-11709363.663173465	42738551.144001547
264.6	470.7999999999999	5433743879.66837347	11699419.556155033	42736225.445830856
264.7	470.6	-433375441.01889426	11689479.67258406	42733900.735427493
264.8	470.4	-433007158.91866016	11679544.012460522	42731577.012791455
264.9000000000000003	470.2000000000000	5432639033.367672	-11669612.575784447	42729254.277922746
265.0	469.9999999999999	4432271064.3659291	-11659685.362555807	42726932.530821361
265.1	469.7999999999999	5431903251.91343206	11649762.372774623	42724611.771487304
265.2	469.5999999999999	7431535596.0101805	-11639843.606440889	42722291.999920574

265.3	469.4	-431168096.6561744	-11629929.06355460	42719973.216121170
265.4000000000000000	469.2000000000000001	-430800753.85141426	-11620018.744115772	42717655.420089095
265.5	469.0	-430433567.5958993	-11610112.64812438	42715338.611824344
265.6	468.8	-430066537.88962996	-11600210.77558043	42713022.791326920
265.7	468.6	-429699664.7326064	-11590313.12648394	42710707.958596823
265.8	468.4000000000000000	-4293332948.12482834	-11580419.70083490	42708394.113634053
265.9000000000000000	468.2	-428966388.0662958	-11570530.49863331	42706081.25643861
266.0	468.0	-428599984.557009	-11560645.51987917	42703769.387010493
266.1	467.7999999999999999	-428233737.5969675	-11550764.76457247	42701458.505349702
266.2	467.6	-427867647.186172	-11540888.23271323	42699148.611456240
266.3	467.3999999999999999	-427501713.32462156	-11531015.92430142	42696839.705330102
266.4000000000000000	467.2000000000000000	-427135936.01231724	-11521147.83933708	42694531.786971294
266.5	467.0000000000000000	-4267770315.24925834	-11511283.97782018	42692224.856379810
266.6	466.7999999999999999	-426404851.03544456	-11501424.33975073	42689918.913555652
266.7	466.6000000000000001	-426039543.37087715	-11491568.92512873	42687613.958498824
266.8	466.4	-425674392.2555546	-11481717.73395417	42685309.99120932
266.9000000000000000	466.2000000000000000	-425309397.68947816	-11471870.76622708	42683007.011687144
267.0	466.0	-424944559.67264694	-11462028.02194742	42680705.019932293
267.1	465.7999999999999999	-424579878.2050615	-11452189.50111521	42678404.015944770
267.2	465.5999999999999999	-424215353.2867215	-11442355.20373045	42676103.999724574
267.3	465.4	-423850984.9176273	-11432525.12979314	42673804.971271704
267.4000000000000000	465.2	-423486773.0977784	-11422699.27930328	42671506.930586160
267.5	465.0	-423122717.8271754	-11412877.65226087	42669209.877667944
267.6	464.7999999999999999	-422758819.1058176	-11403060.24866591	42666913.812517054
267.7	464.6	-422395076.93370587	-11393247.06851840	42664618.735133492
267.8	464.4000000000000000	-422031491.3108394	-11383438.11181833	42662324.645517255
267.9000000000000000	464.2000000000000000	-421668062.23721856	-11373633.37856572	42660031.543668346

268.0	464.00000000000000	6421304789.71284336	-11363832.86876056	22657739.429586764
268.1	463.79999999999999	5420941673.7377135	-11354036.582402838	22655448.303272505
268.2	463.6	-420578714.3118296	-11344244.519492576	22653158.164725578
268.3	463.4	-420215911.4351911	-11334456.680029754	22650869.013945974
268.40000000000000	463.20000000000000	5419853265.1077983	-11324673.064014385	22648580.850933698
268.5	463.0	-419490775.32965094	-11314893.67144646	22646293.675688748
268.6	462.79999999999999	5419128442.1007491	-11305118.50232599	22644007.488211125
268.7	462.6	-418766265.421093	-11295347.556652965	22641722.288500829
268.8	462.4	-418404245.2906824	-11285580.83442739	22639438.07655786
268.90000000000000	462.20000000000000	5418042381.7095174	-11275818.335649269	22637154.852382218
269.0	462.0	-417680674.67759794	-11266060.06031858	22634872.615973900
269.1	461.79999999999999	5417319124.19492406	-11256306.00843535	22632591.367332911
269.2	461.6	-416957730.26149595	-11246556.17999958	22630311.106459249
269.3	461.4	-416596492.8773132	-11236810.575011248	22628031.833352912
269.40000000000000	461.20000000000000	5416235412.0423762	-11227069.19347037	22625753.548013904
269.5	461.0	-415874487.75668466	-11217332.035376936	22623476.250442221
269.6	460.79999999999999	5415513720.02023864	-11207599.10073095	22621199.940637865
269.7	460.6	-415153108.83303833	-11197870.38953242	22618924.618600836
269.8	460.4	-414792654.19508356	-11188145.90178133	22616650.284331132
269.90000000000000	460.20000000000000	5414432356.10637456	-11178425.637477696	22614376.937828758
270.0	460.0	-414072214.5669108	-11168709.596621504	22612104.579093707
270.1	459.79999999999999	5413712229.57669276	-11158997.77921276	22609833.208125985
270.2	459.6	-413352401.13572043	-11149290.185251478	22607562.824925590
270.3	459.4	-412992729.24399364	-11139586.814737633	22605293.42949252
270.40000000000000	459.20000000000000	5412633213.9015125	-11129887.667671246	22603025.021826779
270.5	459.0	-412273855.10827684	-11120192.7440523	22600757.601928362
270.6	458.79999999999999	5411914652.86428654	-11110502.043880804	22598491.169797273

270.7	458.6	-411555607.1695422	-11100815.56715676	-2596225.72543351
270.8	458.4	-411196718.0240431	-11091133.31388016	-2593961.268837076
270.9000000000000000	458.2000000000000000	5410837985.42779005	11081455.28405101	2591697.800007967
271.0	458.0	-410479409.38078225	-11071781.47766931	-2589435.318946184
271.1	457.7999999999999999	5410120989.8830199	-11062111.89473506	-2587173.825651728
271.2	457.6	-409762726.9345034	-11052446.53524826	-2584913.320124600
271.3	457.4	-409404620.53523225	-11042785.39920891	-2582653.802364798
271.4000000000000000	457.2000000000000000	5409046670.68520695	11033128.486617008	2580395.272372322
271.5	457.0	-408688877.3844271	-11023475.797472553	-2578137.730147173
271.6	456.7999999999999999	5408331240.6328928	-11013827.33177554	-2575881.175689351
271.7	456.6	-407973760.4306042	-11004183.089525994	-2573625.608998856
271.8	456.4	-407616436.77756107	-10994543.070723884	-2571371.030075687
271.9000000000000000	456.2000000000000000	5407259269.6737637	-10984907.275369223	-2569117.438919845
272.0	456.0	-406902259.11921155	-10975275.70346201	-2566864.835531329
272.1	455.7999999999999999	5406545405.11390525	-10965648.35500225	-2564613.21991014
272.2	455.6	-406188707.6578446	-10956025.22998994	-2562362.592056279
272.3	455.4	-405832166.75102925	-10946406.328425074	-2560112.951969743
272.4000000000000000	455.2000000000000000	5405475782.3934598	-10936791.65030766	-2557864.299650535
272.5	455.0	-405119554.58513576	-10927181.195637694	-2555616.635098652
272.6	454.7999999999999999	5404763483.3260573	-10917574.964415176	-2553369.958314097
272.7	454.6	-404407568.6162245	-10907972.95664011	-2551124.269296869
272.8	454.4	-404051810.45563716	-10898375.172312493	-2548879.568046967
272.9000000000000000	454.2000000000000000	5403696208.84429556	-10888781.61143232	-2546635.854564393
273.0	454.0	-403340763.7821994	-10879192.27399960	-2544393.128849143
273.1	453.7999999999999999	5402985475.269349	-10869607.160014328	-2542151.390901222
273.2	453.6	-402630343.305744	-10860026.269476507	-2539910.640720627
273.3	453.4	-402275367.8913846	-10850449.60238613	-2537670.878307358

273.40000000000000	453.19999999999999	3401920549.02627075	10840877.1587432	-2535432.103661415
273.5	453.0	-401565886.7104027	-10831308.93854773	-2533194.316782802
273.6	452.79999999999999	5401211380.94378	-10821744.94179969	72530957.517671512
273.7	452.6	-400857031.72640306	10812185.16849912	-2528721.706327551
273.8	452.4	-400502839.0582716	-10802629.61864598	82526486.882750915
273.90000000000000	452.19999999999999	3400148802.9393858	-10793078.29224030	92524253.046941607
274.0	452.0	-399794923.3697455	-10783531.18928208	-2522020.198899626
274.1	451.79999999999999	5399441200.34935075	10773988.30977129	62519788.338624972
274.2	451.6	-399087633.87820184	10764449.65370796	22517557.466117643
274.3	451.4	-398734223.9562983	-10754915.22109207	52515327.581377642
274.40000000000000	451.19999999999999	3398380970.5836403	-10745385.01192363	52513098.684404966
274.5	451.0	-398027873.76022786	10735859.02620265	32510870.775199619
274.6	450.79999999999999	5397674933.4860612	-10726337.26392911	-2508643.853761597
274.7	450.6	-397322149.76114	-10716819.72510302	42506417.920090903
274.8	450.4	-396969522.5854643	-10707306.40972438	-2504192.974187534
274.90000000000000	450.19999999999999	3396617051.9590341	10697797.31779318	72501969.016051492
275.0	450.0	-396264737.88185	-10688292.44930944	62499746.045682778
275.1	449.79999999999999	5395912580.3539111	-10678791.80427315	32497524.063081391
275.2	449.6	-395560579.37521803	10669295.38268430	92495303.06824733
275.3	449.4	-395208734.94577014	10659803.18454291	-2493083.061180594
275.40000000000000	449.19999999999999	3394857047.06556785	10650315.20984895	72490864.041881186
275.5	449.0	-394505515.7346115	-10640831.45860246	42488646.010349105
275.6	448.79999999999999	5394154140.9529004	-10631351.93080341	-2486428.96658435
275.7	448.6	-393802922.7204353	-10621876.62645181	32484212.910586923
275.8	448.4	-393451861.0372155	-10612405.54554766	-2481997.842356821
275.90000000000000	448.19999999999999	3393100955.9032411	-10602938.68809095	62479783.761894047
276.0	448.0	-392750207.31851256	10593476.05408170	32477570.669198599

276.1	447.7999999999999	5392399615.2830297	-10584017.64351989	72475358.564270477
276.2	447.6	-392049179.7967923	-10574563.456405543	2473147.447109684
276.3	447.4	-391698900.85980034	10565113.492738634	2470937.317716216
276.40000000000000	447.1999999999999	3391348778.47205406	10555667.752519174	2468728.176090074
276.5	447.0	-390998812.63355345	10546226.235747164	2466520.022231260
276.6	446.7999999999999	5390649003.3442982	-10536788.942422602	2464312.856139772
276.7	446.6	-390299350.6042889	-10527355.872545494	2462106.677815612
276.8	446.4	-389949854.41352487	10517927.026115827	2459901.487258777
276.90000000000000	446.1999999999999	3389600514.7720064	-10508502.403133612	2457697.284469269
277.0	446.0	-389251331.6797337	-10499082.00359885	2455494.069447089
277.1	445.7999999999999	5388902305.13670635	10489665.82751153	2453291.842192234
277.2	445.6	-388553435.14292485	10480253.874871667	2451090.602704708
277.3	445.4	-388204721.6983888	-10470846.145679248	2448890.350984507
277.40000000000000	445.1999999999999	3387856164.8030984	-10461442.639934275	2446691.087031632
277.5	445.0	-387507764.4570536	-10452043.357636759	2444492.810846085
277.6	444.7999999999999	5387159520.66025424	10442648.298786685	2442295.522427864
277.7	444.6	-386811433.41270053	10433257.463384066	2440099.221776970
277.8	444.4	-386463502.7143924	-10423870.851428885	2437903.908893402
277.90000000000000	444.1999999999999	3386115728.5653299	-10414488.46292116	2435709.583777161
278.0	444.0	-385768110.96551305	10405110.297860887	2433516.246428248
278.1	443.7999999999999	5385420649.91494155	10395736.356248057	2431323.89684666
278.2	443.6	-385073345.4136159	-10386366.638082683	2429132.535032401
278.3	443.4	-384726197.4615357	-10377001.143364752	2426942.160985466
278.40000000000000	443.1999999999999	3384379206.05870086	10367639.87209427	2424752.774705858
278.5	443.0	-384032371.205112	-10358282.82427124	2422564.376193579
278.6	442.7999999999999	5383685692.9007685	-10348929.999895655	2420376.965448624
278.7	442.6	-383339171.1456707	-10339581.39896752	2418190.542470997



278.8	442.4	-382992805.93981826	10330237.021486836	2416005.107260696
278.9000000000000003	442.1999999999999993	382646597.2832115	-10320896.867453597	2413820.659817722
279.0	442.0	-382300545.1758506	-10311560.93686781	-2411637.200142075
279.1	441.7999999999999995	381954649.617735	-10302229.229729472	2409454.728233755
279.2	441.6	-381608910.6088651	-10292901.746038588	2407273.244092762
279.3	441.4	-381263328.1492406	-10283578.485795142	2405092.747719093
279.4000000000000003	441.1999999999999993	380917902.2388618	-10274259.448999148	2402913.239112753
279.5	441.0	-380572632.87772876	-10264944.63565061	-2400734.718273740
279.6	440.7999999999999995	380227520.065841	-10255634.045749513	2398557.185202053
279.7	440.6	-379882563.8031991	-10246327.679295873	2396380.639897694
279.8	440.4	-379537764.08980256	-10237025.536289674	2394205.082360659
279.9000000000000003	440.1999999999999993	379193120.9256516	-10227727.616730925	2392030.512590952
280.0	440.0	-378848634.31074643	-10218433.92061963	-2389856.930588572
280.1	439.7999999999999995	378504304.24508667	-10209144.447955778	2387684.336353518
280.2	439.6	-378160130.7286726	-10199859.19873938	-2385512.729885792
280.3	439.4	-377816113.76150405	-10190578.172970425	2383342.111185392
280.4000000000000003	439.1999999999999993	377472253.343581	-10181301.37064892	-2381172.480252317
280.5	439.0	-377128549.4749038	-10172028.79177487	-2379003.837086572
280.6	438.7999999999999995	376785002.155472	-10162760.436348263	2376836.18168815
280.7	438.6	-376441611.3852858	-10153496.30436911	-2374669.514057058
280.8	438.4	-376098377.1643451	-10144236.395837404	2372503.83419329
280.9000000000000003	438.1999999999999993	375755299.4926501	-10134980.710753143	-2370339.14209685
281.0	438.0	-375412378.37020063	-10125729.249116335	-2368175.437767738
281.1	437.7999999999999995	375069613.7969967	-10116482.010926973	2366012.72120595
281.2	437.6	-374727005.7730385	-10107238.996185062	-2363850.992411492
281.3	437.4	-374384554.2983258	-10098000.204890598	2361690.251384358
281.4000000000000003	437.1999999999999993	374042259.37285846	-10088765.637043584	-2359530.49812455

281.5	437.0	-373700120.9966371	-10079535.29264402	-2357371.732632071
281.6	436.7999999999999	5373358139.16966105	10070309.171691902	2355213.954906918
281.7	436.6	-373016313.8919308	-10061087.274187243	-2353057.164949093
281.8	436.4	-372674645.1634459	-10051869.600130018	-2350901.362758592
281.90000000000000	436.1999999999999	3372333132.9842066	-10042656.149520248	-2348746.548335418
282.0	436.0	-371991777.3542132	-10033446.922357932	-2346592.721679573
282.1	435.7999999999999	5371650578.2734649	-10024241.918643055	2344439.882791052
282.2	435.6	-371309535.7419626	-10015041.138375636	-2342288.03166986
282.3	435.4	-370968649.7597057	-10005844.581555663	-2340137.168315993
282.40000000000000	435.1999999999999	3370627920.3266942	-9996652.248183133	-2337987.292729453
282.5	435.0	-370287347.4429287	-9987464.13825806	-2335838.404910241
282.6	434.7999999999999	5369946931.1084085	-9978280.25178043	-2333690.504858353
282.7	434.6	-369606671.3231341	-9969100.588750258	-2331543.592573795
282.8	434.4	-369266568.0871050	-9959925.149167527	-2329397.668056561
282.90000000000000	434.1999999999999	3368926621.4003216	-9950753.933032243	-2327252.731306655
283.0	434.0	-368586831.2627838	-9941586.940344414	-2325108.782324076
283.1	433.7999999999999	5368247197.6744916	-9932424.17110403	-2322965.821108823
283.2	433.6	-367907720.63544506	-9923265.625311099	-2320823.847660897
283.3	433.4	-367568400.14564395	-9914111.302965613	-2318682.861980297
283.40000000000000	433.1999999999999	3367229236.2050884	-9904961.204067577	-2316542.864067024
283.5	433.0	-366890228.8137786	-9895815.32861699	-2314403.853921078
283.6	432.7999999999999	5366551377.9717142	-9886673.67661385	-2312265.831542459
283.7	432.6	-366212683.67889565	-9877536.248058163	-2310128.796931166
283.8	432.4	-365874145.93532234	-9868403.042949922	-2307992.7500872
283.90000000000000	432.1999999999999	3365535764.7409948	-9859274.061289128	-2305857.691010560
284.0	432.0	-365197540.095913	-9850149.30307579	-2303723.619701248
284.1	431.7999999999999	5364859472.0000765	-9841028.768309895	-2301590.536159262

284.2	431.6	-364521560.4534859	79831912.456991456	-2299458.440384604
284.3	431.4	-364183805.4561405	-9822800.369120456	-2297327.332377271
284.4000000000000000	431.19999999999999	3363846207.0080408	-9813692.504696906	-2295197.212137264
284.5	431.0	-363508765.1091867	79804588.86372081	-2293068.079664585
284.6	430.79999999999999	5363171479.7595782	-9795489.446192162	-2290939.934959233
284.7	430.6	-362834350.9592155	-9786394.25211096	-2288812.778021207
284.8	430.4	-362497378.7080981	-9777303.28147721	-2286686.608850508
284.9000000000000000	430.19999999999999	3362160563.0062262	49768216.534290904	-2284561.427447135
285.0	430.0	-361823903.8536003	-9759134.010552058	-2282437.233811090
285.1	429.79999999999999	5361487401.2502197	-9750055.710260648	-2280314.027942370
285.2	429.6	-361151055.1960848	69740981.633416697	-2278191.809840979
285.3	429.4	-360814865.6911953	79731911.780020187	-2276070.579506912
285.4000000000000000	429.19999999999999	3360478832.7355515	49722846.150071127	-2273950.336940173
285.5	429.0	-360142956.3291533	-9713784.74356952	-2271831.082140761
285.6	428.79999999999999	5359807236.4720006	69704727.560515359	-2269712.815108676
285.7	428.6	-359471673.1640936	-9695674.60090865	-2267595.535843917
285.8	428.4	-359136266.4054322	-9686625.864749385	-2265479.244346484
285.9000000000000000	428.19999999999999	3358801016.1960162	59677581.352037568	-2263363.940616378
286.0	428.0	-358465922.535846	-9668541.062773207	-2261249.6246536
286.1	427.79999999999999	5358130985.4249211	59659504.99695629	-2259136.296458148
286.2	427.6	-357796204.8632421	59650473.154586827	-2257023.956030023
286.3	427.4	-357461580.8508085	-9641445.535664808	-2254912.603369224
286.4000000000000000	427.19999999999999	3357127113.3876204	-9632422.140190238	-2252802.238475751
286.5	427.0	-356792802.4736782	-9623402.968163121	-2250692.861349607
286.6	426.79999999999999	5356458648.1089812	59614388.019583449	-2248584.471990788
286.7	426.6	-356124650.2935301	79605377.29445123	-2246477.070399296
286.8	426.4	-355790809.0273243	-9596370.792766452	-2244370.656575130

286.90000000000000	426.19999999999999	3355457124.3103642	-9587368.514529128	-2242265.230518291
287.0	426.0	-355123596.1426498	-9578370.459739251	-2240160.792228779
287.1	425.79999999999999	5354790224.5241809	-9569376.628396824	-2238057.341706594
287.2	425.6	-354457009.4549578	-9560387.020501848	-2235954.878951736
287.3	425.4	-354123950.93498	-9551401.63605432	-2233853.403964204
287.40000000000000	425.19999999999999	3353791048.9642476	-9542420.475054238	-2231752.916743998
287.5	425.0	-353458303.5427614	-9533443.53750161	-2229653.417291121
287.6	424.79999999999999	5353125714.6705202	-9524470.823396424	-2227554.905605568
287.7	424.6	-352793282.3475248	-9515502.332738696	-2225457.381687343
287.8	424.4	-352461006.573775	-9506538.065528408	-2223360.845536445
287.90000000000000	424.19999999999999	3352128887.3492706	-9497578.021765571	-2221265.297152872
288.0	424.0	-351796924.6740122	-9488622.201450186	-2219170.736536628
288.1	423.79999999999999	5351465118.547999	-9479670.604582246	-2217077.163687709
288.2	423.6	-351133468.9712315	-9470723.23116176	-2214984.578606118
288.3	423.4	-350801975.9437095	-9461780.081188718	-2212892.981291852
288.40000000000000	423.19999999999999	3350470639.4654332	-9452841.154663125	-2210802.371744913
288.5	423.0	-350139459.5364026	-9443906.45158499	-2208712.749965303
288.6	422.79999999999999	5349808436.1566174	-9434975.97195429	-2206624.115953017
288.7	422.6	-349477569.3260779	-9426049.71577105	-2204536.46970806
288.8	422.4	-349146859.0447839	-9417127.683035254	-2202449.811230428
288.90000000000000	422.19999999999999	3348816305.3127355	-9408209.873746905	-2200364.140520123
289.0	422.0	-348485908.1299327	-9399296.287906012	-2198279.457577145
289.1	421.79999999999999	5348155667.4963754	-9390386.925512558	-2196195.762401493
289.2	421.6	-347825583.4120638	-9381481.786566563	-2194113.054993169
289.3	421.4	-347495655.8769977	-9372580.87106801	-2192031.335352170
289.40000000000000	421.19999999999999	3347165884.891177	-9363684.179016903	-2189950.603478498
289.5	421.0	-346836270.4546023	-9354791.710413257	-2187870.859372155

289.6	420.7999999999999	5346506812.5672729	-9345903.46525705	-2185792.103033137
289.7	420.6	-346177511.2291893	49337019.443548298	-2183714.334461446
289.8	420.4	-345848366.4403512	-9328139.64528699	-2181637.553657080
289.9000000000000	420.1999999999999	3345519378.2007584	49319264.070473129	-2179561.760620042
290.0	420.0	-345190546.5104115	-9310392.719106724	-2177486.955350332
290.1	419.7999999999999	5344861871.36931	-9301525.591187762	-2175413.137847947
290.2	419.6	-344533352.7774543	-9292662.686716253	-2173340.308112889
290.3	419.4	-344204990.734844	-9283804.00569219	-2171268.466145158
290.4000000000000	419.1999999999999	3343876785.2414793	-9274949.548115574	-2169197.611944752
290.5	419.0	-343548736.2973602	49266099.313986413	-2167127.745511675
290.6	418.7999999999999	5343220843.9024867	49257253.303304696	-2165058.866845924
290.7	418.6	-342893108.0568591	-9248411.516070433	-2162990.9759475
290.8	418.4	-342565528.7604766	-9239573.952283615	-2160924.072816402
290.9000000000000	418.1999999999999	3342238106.0133398	-9230740.611944243	-2158858.157452630
291.0	418.0	-341910839.8154486	-9221911.495052326	-2156793.229856187
291.1	417.7999999999999	5341583730.1668030	49213086.601607854	-2154729.290027068
291.2	417.6	-341256777.0674031	-9204265.931610834	-2152666.337965278
291.3	417.4	-340929980.5172486	49195449.48506126	-2150604.373670813
291.4000000000000	417.1999999999999	3340603340.5163398	-9186637.261959132	-2148543.397143675
291.5	417.0	-340276857.0646765	-9177829.262304459	-2146483.408383864
291.6	416.7999999999999	5339950530.1622588	-9169025.486097232	-2144424.40739138
291.7	416.6	-339624359.8090869	-9160225.93333746	-2142366.394166223
291.8	416.4	-339298346.0051604	-9151430.60402513	-2140309.368708392
291.9000000000000	416.1999999999999	3338972488.7504794	-9142639.498160249	-2138253.331017888
292.0	416.0	-338646788.0450441	-9133852.615742821	-2136198.281094711
292.1	415.7999999999999	5338321243.8888542	49125069.956772836	-2134144.218938859
292.2	415.6	-337995856.2819102	49116291.521250306	-2132091.144550336

292.3	415.4	-337670625.22421163	3107517.30917522	-2130039.057929138
292.4000000000000003	415.19999999999999	3337345550.71575844	9098747.320547583	-2127987.959075267
292.5	415.0	-337020632.75655115	9089981.555367397	-2125937.847988723
292.6	414.79999999999999	5336695871.34658915	9081220.013634657	-2123888.724669505
292.7	414.6	-336371266.4858731	9072462.695349373	-2121840.589117616
292.8	414.4	-336046818.1744024	9063709.600511534	-2119793.441333052
292.9000000000000003	414.19999999999999	3335722526.41217715	9054960.729121141	-2117747.281315814
293.0	414.0	-335398391.1991979	9046216.081178201	-2115702.109065904
293.1	413.79999999999999	5335074412.5354638	9037475.656682707	-2113657.924583319
293.2	413.6	-334750590.42097557	9028739.455634667	-2111614.727868063
293.3	413.4	-334426924.8557328	9020007.478034068	-2109572.518920131
293.4000000000000003	413.19999999999999	3334103415.83973557	9011279.723880922	-2107531.297739527
293.5	413.0	-333780063.372984	9002556.193175225	-2105491.064326251
293.6	412.79999999999999	5333456867.45547795	8993836.885916976	-2103451.818680300
293.7	412.6	-333133828.0872177	8985121.80210618	-2101413.560801677
293.8	412.4	-332810945.2682027	8976410.941742826	-2099376.290690379
293.9000000000000003	412.19999999999999	3332488218.99843335	8967704.304826923	-2097340.008346408
294.0	412.0	-332165649.27790993	8959001.891358474	-2095304.713769765
294.1	411.79999999999999	5331843236.10663176	8950303.70133747	-2093270.406960448
294.2	411.6	-331520979.4845993	8941609.734763917	-2091237.087918459
294.3	411.4	-331198879.41181225	8932919.99163781	-2089204.756643795
294.4000000000000003	411.19999999999999	3330876935.88827085	8924234.47195915	-2087173.413136457
294.5	411.0	-330555148.91397524	8915553.175727945	-2085143.057396447
294.6	410.79999999999999	5330233518.488925	8906876.102944182	-2083113.689423763
294.7	410.6	-329912044.6131204	8898203.253607873	-2081085.309218407
294.8	410.4	-329590727.2865613	8889534.627719011	-2079057.916780376
294.9000000000000003	410.19999999999999	3329269566.5092479	8880870.225277595	-2077031.512109672

295.0	410.0	-328948562.2811801	-8872210.046283634	-2075006.095206296
295.1	409.7999999999999	5328627714.6023578	-8863554.09073712	-2072981.666070246
295.2	409.6	-328307023.4727812	-8854902.358638057	-2070958.224701523
295.3	409.4	-327986488.8924501	-8846254.849986438	-2068935.771100126
295.4000000000000000	409.1999999999999	3327666110.8613645	-8837611.564782266	-2066914.305266055
295.5	409.0	-327345889.3795247	-8828972.50302555	-2064893.827199312
295.6	408.7999999999999	5327025824.4469303	-8820337.664716277	-2062874.336899895
295.7	408.6	-326705916.0635816	-8811707.04985446	-2060855.834367806
295.8	408.4	-326386164.2294783	-8803080.658440083	-2058838.319603042
295.9000000000000000	408.1999999999999	3326066568.9446206	-8794458.49047316	-2056821.792605606
296.0	408.0	-325747130.20900875	-8785840.545953685	-2054806.253375496
296.1	407.7999999999999	5325427848.02264225	-8777226.824881658	-2052791.701912712
296.2	407.6	-325108722.3855216	-8768617.327257086	-2050778.138217257
296.3	407.4	-324789753.2976462	-8760012.053079957	-2048765.562289127
296.4000000000000000	407.1999999999999	3324470940.75901645	-8751411.002350273	-2046753.974128323
296.5	407.0	-324152284.76963246	-8742814.175068047	-2044743.373734847
296.6	406.7999999999999	5323833785.3294939	-8734221.571233261	-2042733.761108697
296.7	406.6	-323515442.438601	-8725633.190845933	-2040725.136249874
296.8	406.4	-323197256.0969536	-8717049.033906046	-2038717.499158377
296.9000000000000000	406.1999999999999	3322879226.3045517	-8708469.100413611	-2036710.849834207
297.0	406.0	-322561353.0613957	-8699893.390368627	-2034705.188277365
297.1	405.7999999999999	5322243636.3674849	-8691321.90377109	-2032700.514487848
297.2	405.6	-321926076.22282004	-8682754.640621003	-2030696.828465659
297.3	405.4	-321608672.62740046	-8674191.600918362	-2028694.130210796
297.4000000000000000	405.1999999999999	3321291425.5812265	-8665632.78466317	-2026692.419723259
297.5	405.0	-320974335.0842985	-8657078.191855432	-2024691.697003050
297.6	404.7999999999999	5320657401.1366157	-8648527.822495136	-2022691.962050167

297.7	404.6	-320340623.73817873	3639981.676582297	-2020693.214864611
297.8	404.4	-320024002.88898706	3631439.7541169	-2018695.455446381
297.90000000000000	404.19999999999999	3319707538.5890411	-8622902.055098953	-2016698.683795478
298.0	404.0	-319391230.8383408	-8614368.57952846	-2014702.899911903
298.1	403.79999999999999	5319075079.63688606	3605839.327405408	-2012708.103795653
298.2	403.6	-318759084.98467696	3597314.298729813	-2010714.295446731
298.3	403.4	-318443246.8817132	-8588793.493501658	-2008721.474865134
298.40000000000000	403.19999999999999	3318127565.3279951	-8580276.911720958	-2006729.642050864
298.5	403.0	-317812040.3235228	-8571764.553387707	-2004738.797003922
298.6	402.79999999999999	5317496671.8682959	-8563256.418501904	-2002748.939724307
298.7	402.6	-317181459.9623148	-8554752.507063553	-2000760.070212018
298.8	402.4	-316866404.6055791	-8546252.819072643	-1998772.188467055
298.90000000000000	402.19999999999999	3316551505.7980888	-8537757.354529185	-1996785.294489418
299.0	402.0	-316236763.5398444	-8529266.11343318	-1994799.388279111
299.1	401.79999999999999	5315922177.8308453	-8520779.095784618	-1992814.469836126
299.2	401.6	-315607748.67109203	3512296.301583512	-1990830.539160471
299.3	401.4	-315293476.06058425	3503817.730829848	-1988847.596252142
299.40000000000000	401.19999999999999	3314979359.999322	-8495343.383523634	-1986865.641111139
299.5	401.0	-314665400.4873054	-8486873.259664873	-1984884.673737464
299.6	400.79999999999999	5314351597.5245343	-8478407.359253556	-1982904.694131114
299.7	400.6	-314037951.11100906	3469945.682289695	-1980925.702292092
299.8	400.4	-313724461.2467292	-8461488.228773277	-1978947.698220396
299.90000000000000	400.19999999999999	3313411127.93169475	3453034.998704307	-1976970.681916027
300.0	400.0	-313097951.16590613	3444585.99208279	-1974994.653378985
300.1	399.79999999999999	5312784930.949363	-8436141.20890872	-1973019.612609269
300.2	399.6	-312472067.2820655	-8427700.6491821	-1971045.559606881
300.3	399.4	-312159360.16401356	3419264.312902926	-1969072.494371818



300.40000000000000	399.19999999999999	3311846809.5952071	-8410832.2000712	-1967100.416904082
300.5	399.0	-311534415.5756463	-8402404.31068693	-1965129.327203674
300.6	398.79999999999999	5311222178.105331	-8393980.644750101	-1963159.225270591
300.7	398.6	-310910097.1842616	-8385561.202260729	-1961190.111104837
300.8	398.4	-310598172.8124375	-8377145.9832188	-1959221.984706407
300.90000000000000	398.19999999999999	3310286404.9898591	-8368734.987624318	-1957254.846075305
301.0	398.0	-309974793.7165262	-8360328.215477291	-1955288.695211530
301.1	397.79999999999999	5309663338.9924389	-8351925.666777708	-1953323.532115080
301.2	397.6	-309352040.8175972	-8343527.341525578	-1951359.356785959
301.3	397.4	-309040899.1920011	-8335133.239720893	-1949396.169224163
301.40000000000000	397.19999999999999	3308729914.1156505	-8326743.361363656	-1947433.969429694
301.5	397.0	-308419085.5885456	-8318357.706453874	-1945472.757402553
301.6	396.79999999999999	5308108413.6106862	-8309976.274991535	-1943512.533142737
301.7	396.6	-307797898.1820724	-8301599.06697665	-1941553.296650249
301.8	396.4	-307487539.3027041	-8293226.082409209	-1939595.047925087
301.90000000000000	396.19999999999999	3307177336.9725815	-8284857.321289217	-1937637.786967251
302.0	396.0	-306867291.1917047	-8276492.783616681	-1935681.513776743
302.1	395.79999999999999	5306557401.9600731	-8268132.469391587	-1933726.228353561
302.2	395.6	-306247669.2776873	-8259776.378613945	-1931771.930697706
302.3	395.4	-305938093.1445469	-8251424.511283751	-1929818.620809178
302.40000000000000	395.19999999999999	3305628673.5606521	-8243076.867401004	-1927866.298687976
302.5	395.0	-305319410.5260032	-8234733.446965708	-1925914.964334101
302.6	394.79999999999999	5305010304.0405995	-8226394.249977859	-1923964.617747552
302.7	394.6	-304701354.1044417	-8218059.276437462	-1922015.258928331
302.8	394.4	-304392560.7175292	-8209728.526344509	-1920066.887876435
302.90000000000000	394.19999999999999	3304083923.8798624	-8201401.999699009	-1918119.504591867
303.0	394.0	-303775443.5914413	-8193079.696500962	-1916173.109074626

303.1	393.79999999999999	5303467119.8522656	-8184761.616750355	-1914227.701324710
303.2	393.6	-303158952.66233563	3176447.760447203	-1912283.281342123
303.3	393.4	-302850942.02165115	3168138.127591496	-1910339.849126861
303.40000000000000	393.19999999999999	3302543087.9302122	-8159832.718183239	-1908397.404678926
303.5	393.0	-302235390.3880191	-8151531.532222435	-1906455.947998319
303.6	392.79999999999999	5301927849.3950712	-8143234.569709072	-1904515.479085036
303.7	392.6	-301620464.95136917	3134941.830643167	-1902575.997939082
303.8	392.4	-301313237.05691254	3126653.315024702	-1900637.504560453
303.90000000000000	392.19999999999999	3301006165.7117015	-8118369.022853689	-1898699.998949151
304.0	392.0	-300699250.91573624	3110088.954130128	-1896763.481105177
304.1	391.79999999999999	5300392492.66901636	3101813.1088540135	-1894827.951028529
304.2	391.6	-300085890.9715423	-8093541.487025351	-1892893.408719208
304.3	391.4	-299779445.82331365	3085274.088644135	-1890959.854177214
304.40000000000000	391.19999999999999	3299473157.2243305	-8077010.913710363	-1889027.287402545
304.5	391.0	-299167025.17459315	3068751.962224048	-1887095.708395204
304.6	390.79999999999999	5298861049.6741012	-8060497.234185176	-1885165.117155189
304.7	390.6	-298555230.722855	-8052246.729593758	-1883235.513682501
304.8	390.4	-298249568.3208542	-8044000.448449783	-1881306.89797714
304.90000000000000	390.19999999999999	3297944062.468099	-8035758.390753261	-1879379.270039105
305.0	390.0	-297638713.1645896	-8027520.556504188	-1877452.629868398
305.1	389.79999999999999	5297333520.41032547	3019286.945702559	-1875526.977465016
305.2	389.6	-297028484.2053073	-8011057.558348388	-1873602.312828963
305.3	389.4	-296723604.5495343	-8002832.394441659	-1871678.635960234
305.40000000000000	389.19999999999999	3296418881.44300705	7994611.453982378	-1869755.946858833
305.5	389.0	-296114314.8857255	-7986394.736970552	-1867834.245524759
305.6	388.79999999999999	5295809904.87768936	7978182.243406168	-1865913.531958010
305.7	388.6	-295505651.41889906	7969973.973289239	-1863993.806158590

305.8	388.4	-295201554.5093541	-7961769.926619755	-1862075.068126496
305.90000000000000	388.19999999999999	3294897614.1490547	-7953570.103397718	-1860157.317861727
306.0	388.0	-294593830.338001	-7945374.503623137	-1858240.555364287
306.1	387.79999999999999	5294290203.076193	-7937183.127295998	-1856324.780634172
306.2	387.6	-293986732.3636305	-7928995.974416314	-1854409.993671385
306.3	387.4	-293683418.2003133	-7920813.044984071	-1852496.194475924
306.40000000000000	387.19999999999999	3293380260.5862418	-7912634.338999282	-1850583.383047789
306.5	387.0	-293077259.52141625	-7904459.856461945	-1848671.559386983
306.6	386.79999999999999	5292774415.0058359	-7896289.597372052	-1846760.723493501
306.7	386.6	-292471727.0395013	-7888123.56172961	-1844850.875367348
306.8	386.4	-292169195.6224123	-7879961.749534617	-1842942.015008520
306.90000000000000	386.19999999999999	3291866820.7545687	-7871804.160787067	-1841034.142417018
307.0	386.0	-291564602.4359709	-7863650.795486975	-1839127.257592846
307.1	385.79999999999999	5291262540.6666186	-7855501.653634326	-1837221.360535997
307.20000000000000	385.6	-290960635.4465119	-7847356.735229129	-1835316.451246477
307.3	385.4	-290658886.7756508	-7839216.040271379	-1833412.529724283
307.40000000000000	385.19999999999999	3290357294.6540351	-7831079.568761077	-1831509.595969415
307.5	385.0	-290055859.0816653	-7822947.320698229	-1829607.649981876
307.6	384.79999999999999	5289754580.0585408	-7814819.296082824	-1827706.691761661
307.70000000000000	384.6	-289453457.5846621	-7806695.494914874	-1825806.721308775
307.8	384.4	-289152491.6600288	-7798575.917194366	-1823907.738623214
307.90000000000000	384.19999999999999	3288851682.2846411	-7790460.562921307	-1822009.743704979
308.0	384.0	-288551029.4584991	-7782349.432095705	-1820112.736554073
308.1	383.79999999999999	5288250533.1816025	-7774242.524717543	-1818216.717170492
308.20000000000000	383.6	-287950193.4539518	-7766139.840786836	-1816321.685554238
308.3	383.4	-287650010.2755464	-7758041.380303574	-1814427.641705311
308.40000000000000	383.19999999999999	3287349983.6463866	-7749947.143267762	-1812534.585623710

308.5	383.0	-287050113.5664725	-7741857.1296794005	-1810642.517309437
308.6	382.79999999999995	286750400.03580385	7733771.339538484	-1808751.436762489
308.700000000000005	382.6	-286450843.054381	-7725689.772845025	-1806861.343982871
308.8	382.4	-286151442.6222035	-7717612.429599006	-1804972.238970576
308.900000000000003	382.19999999999993	285852198.73927176	7709539.3098004395	-1803084.121725609
309.0	382.0	-285553111.4055856	-7701470.413449322	-1801196.992247969
309.1	381.79999999999995	285254180.62114483	7693405.740545652	-1799310.850537655
309.200000000000005	381.6	-284955406.38594985	-7685345.291089433	-1797425.696594669
309.3	381.4	-284656788.70000035	-7677289.065080659	-1795541.530419008
309.400000000000003	381.19999999999993	284358327.5632964	7669237.062519334	-1793658.352010674
309.5	381.0	-284060022.97583807	-7661189.283405463	-1791776.161369667
309.6	380.79999999999995	283761874.9376252	7653145.727739036	-1789894.958495987
309.700000000000005	380.6	-283463883.4486583	-7645106.395520066	-1788014.743389635
309.8	380.4	-283166048.5089366	-7637071.286748534	-1786135.516050607
309.900000000000003	380.19999999999993	282868370.11846066	7629040.401424457	-1784257.276478907
310.0	380.0	-282570848.2772303	-7621013.739547831	-1782380.024674534
310.1	379.79999999999995	282273482.9852454	7612991.301118648	-1780503.760637487
310.200000000000005	379.6	-281976274.2425062	-7604973.0861369185	-1778628.484367768
310.3	379.4	-281679222.04901254	-7596959.094602634	-1776754.195865374
310.400000000000003	379.19999999999993	281382326.4047644	7588949.326515798	-1774880.895130307
310.5	379.0	-281085587.30976206	-7580943.781876417	-1773008.582162567
310.6	378.79999999999995	280789004.76400506	7572942.460684478	-1771137.256962154
310.700000000000005	378.6	-280492578.7674938	-7564945.362939995	-1769266.919529068
310.8	378.4	-280196309.32022804	-7556952.488642955	-1767397.569863308
310.900000000000003	378.19999999999993	279900196.4222078	7548963.837793363	-1765529.207964874
311.0	378.0	-279604240.0734334	-7540979.410391228	-1763661.833833768
311.1	377.79999999999995	279308440.2739043	7532999.206436534	-1761795.447469988

311.20000000000000000000	377.6	-279012797.02362096	7525023.225929295	-1759930.048873536
311.3	377.4	-278717310.3225831	-7517051.468869499	-1758065.638044409
311.40000000000000000000	377.19999999999999	3278421980.1707907	7509083.935257152	-1756202.214982608
311.5	377.0	-278126806.5682441	7501120.62509226	-1754339.779688136
311.6	376.79999999999999	5277831789.5149431	-7493161.53837481	-1752478.332160989
311.70000000000000000000	376.6	-277536929.0108876	-7485206.675104815	-1750617.872401171
311.8	376.4	-277242225.0560776	7477256.035282263	-1748758.400408677
311.90000000000000000000	376.19999999999999	3276947677.6505132	7469309.618907163	-1746899.916183510
312.0	376.0	-276653286.7941947	-7461367.425979515	-1745042.419725672
312.1	375.79999999999999	5276359052.4871214	7453429.456499311	-1743185.911035158
312.20000000000000000000	375.6	-276064974.7292940	7445495.71046656	-1741330.390111973
312.3	375.4	-275771053.5207119	7437566.187881253	-1739475.856956112
312.40000000000000000000	375.19999999999999	3275477288.8613754	7429640.888743395	-1737622.311567579
312.5	375.0	-275183680.7512848	-7421719.813052990	-1735769.753946374
312.6	374.79999999999999	5274890229.1904394	-7413802.960810032	-1733918.184092494
312.70000000000000000000	374.6	-274596934.1788398	-7405890.332014524	-1732067.602005941
312.8	374.4	-274303795.7164856	-7397981.926666463	-1730218.007686715
312.90000000000000000000	374.19999999999999	3274010813.8033771	-7390077.744765851	-1728369.401134815
313.0	374.0	-273717988.4395143	7382177.78631269	-1726521.782350243
313.1	373.79999999999999	5273425319.6248969	-7374282.051306975	-1724675.151332997
313.20000000000000000000	373.6	-273132807.3595253	-7366390.539748713	-1722829.508083078
313.3	373.4	-272840451.6433990	7358503.251637896	-1720984.852600485
313.40000000000000000000	373.19999999999999	3272548252.4765184	7350620.186974528	-1719141.184885219
313.5	373.0	-272256209.8588834	7342741.345758612	-1717298.504937280
313.6	372.79999999999999	5271964323.7904941	-7334866.727990142	-1715456.812756667
313.70000000000000000000	372.6	-271672594.2713502	7326996.333669123	-1713616.108343382
313.8	372.4	-271381021.301452	-7319130.162795551	-1711776.391697422

313.90000000000000	372.19999999999999	3271089604.88079923	7311268.215369428	-1709937.662818789
314.0	372.0	-270798345.00939226	7303410.491390756	-1708099.921707484
314.1	371.79999999999999	5270507241.6872307	-7295556.990859529	-1706263.168363504
314.20000000000000	371.6	-270216294.9143149	-7287707.71377576	-1704427.402786853
314.3	371.4	-269925504.6906445	-7279862.66013943	-1702592.624977527
314.40000000000000	371.19999999999999	3269634871.0162197	-7272021.829950551	-1700758.834935527
314.5	371.0	-269344393.8910405	-7264185.223209125	-1698926.032660856
314.6	370.79999999999999	5269054073.3151069	-7256352.839915142	-1697094.21815351
314.70000000000000	370.6	-268763909.2884189	-7248524.680068614	-1695263.391413491
314.8	370.4	-268473901.8109765	-7240700.74366953	-1693433.552440799
314.90000000000000	370.19999999999999	3268184050.8827796	-7232881.030717893	-1691604.701235432
315.0	370.0	-267894356.5038284	-7225065.541213714	-1689776.837797394
315.1	369.79999999999999	5267604818.6741226	-7217254.275156977	-1687949.962126681
315.20000000000000	369.6	-267315437.3936626	-7209447.232547691	-1686124.074223296
315.3	369.4	-267026212.6624481	-7201644.413385851	-1684299.174087237
315.40000000000000	369.19999999999999	3266737144.4804791	-7193845.817671463	-1682475.261718503
315.5	369.0	-266448232.8477559	-7186051.445404525	-1680652.337117100
315.6	368.79999999999999	5266159477.7642780	-7178261.296585034	-1678830.400283021
315.70000000000000	368.6	-265870879.2300460	-7170475.371212994	-1677009.45121627
315.8	368.4	-265582437.2450594	-7162693.669288398	-1675189.489916843
315.90000000000000	368.19999999999999	3265294151.8093183	-7154916.190811252	-1673370.516384744
316.0	368.0	-265006022.9228229	-7147142.935781558	-1671552.530619973
316.1	367.79999999999999	5264718050.5855730	-7139373.90419931	-1669735.532622527
316.20000000000000	367.6	-264430234.7975689	-7131609.096064514	-1667919.522392409
316.3	367.4	-264142575.5588102	-7123848.511377166	-1666104.499929617
316.40000000000000	367.19999999999999	3263855072.8692969	-7116092.150137262	-1664290.465234151
316.5	367.0	-263567726.7290297	-7108340.012344818	-1662477.418306014

316.6	366.79999999999999	5263280537.1380076	-7100592.097999813	-1660665.35914520
316.70000000000000	366.6	-262993504.0962313	47092848.407102263	-1658854.287751717
316.8	366.4	-262706627.6037005	527085108.939652156	-1657044.204125557
316.90000000000000	366.19999999999999	3262419907.6604153	-7077373.695649498	-1655235.108266725
317.0	366.0	-262133344.2663757	57069642.675094294	-1653427.000175221
317.1	365.79999999999999	5261846937.4215817	57061915.877986535	-1651619.879851042
317.20000000000000	365.6	-261560687.1260333	77054193.304326229	-1649813.747294190
317.3	365.4	-261274593.3797305	-7046474.954113368	-1648008.602504665
317.40000000000000	365.19999999999999	3260988656.1826731	7038760.827347955	-1646204.445482460
317.5	365.0	-260702875.5348615	57031050.924029996	-1644401.276227595
317.6	364.79999999999999	5260417251.4362953	7023345.244159481	-1642599.094740050
317.70000000000000	364.6	-260131783.886975	-7015643.787736420	51640797.901019833
317.8	364.4	-259846472.8868999	57007946.554760804	-1638997.695066941
317.90000000000000	364.19999999999999	3259561318.4360705	57000253.545232636	-1637198.476881375
318.0	364.0	-259276320.5344868	66992564.759151919	-1635400.246463137
318.1	363.79999999999999	5258991479.1821486	46984880.19651865	-1633603.003812220
318.20000000000000	363.6	-258706794.3790561	-6977199.857332833	-1631806.748928641
318.3	363.4	-258422266.1252089	76969523.741594461	-1630011.481812383
318.40000000000000	363.19999999999999	3258137894.4206075	-6961851.849303537	-1628217.202463451
318.5	363.0	-257853679.2652517	66954184.180460066	-1626423.910881840
318.6	362.79999999999999	5257569620.6591414	86946520.735064042	-1624631.607067568
318.70000000000000	362.6	-257285718.6022769	-6938861.513115468	-1622840.291020617
318.8	362.4	-257001973.0946577	26931206.514614342	-1621049.962740993
318.90000000000000	362.19999999999999	3256718384.1362841	46923555.739560663	-1619260.622228694
319.0	362.0	-256434951.7271562	86915909.187954436	-1617472.269483724
319.1	361.79999999999999	5256151675.8672738	76908266.859795656	-1615684.904506079
319.20000000000000	361.6	-255868556.5566371	76900628.755084326	51613898.527295761

319.3	361.4	-255585593.7952459	-6892994.873820443	-1612113.137852769
319.40000000000000	361.19999999999999	3255302787.58310026	6885365.216004009	-1610328.736177104
319.5	361.0	-255020137.92020035	6877739.781635025	-1608545.322268767
319.6	360.79999999999999	5254737644.80654585	6870118.570713489	-1606762.896127755
319.70000000000000	360.6	-254455308.242137	-6862501.583239406	-1604981.457754072
319.8	360.4	-254173128.2269737	-6854888.819212767	-1603201.007147713
319.90000000000000	360.19999999999999	3253891104.76105592	6847280.278633576	-1601421.544308681
320.0	360.0	-253609237.84438407	6839675.961501841	-1599643.069236978
320.1	359.79999999999999	5253327527.47695744	6832075.867817548	-1597865.581932600
320.20000000000000	359.6	-253045973.65877655	6824479.997580709	-1596089.082395549
320.3	359.4	-252764576.3898411	-6816888.350791314	-1594313.570625824
320.40000000000000	359.19999999999999	3252483335.6701513	-6809300.927449369	-1592539.046623426
320.5	359.0	-252202251.49970725	6801717.727554877	-1590765.510388356
320.6	358.79999999999999	5251921323.87850854	6794138.75110783	-1588992.961920611
320.70000000000000	358.6	-251640552.80655554	6786563.998108234	-1587221.401220194
320.8	358.4	-251359938.28384805	6778993.468556084	-1585450.828287103
320.90000000000000	358.19999999999999	3251079480.31038615	6771427.162451383	-1583681.243121338
321.0	358.0	-250799178.88616994	6763865.079794136	-1581912.645722902
321.1	357.79999999999999	5250519034.01119924	6756307.220584331	-1580145.036091790
321.20000000000000	357.6	-250239045.68547422	6748753.584821981	-1578378.414228007
321.3	357.4	-249959213.9089947	-6741204.172507077	-1576612.780131549
321.40000000000000	357.19999999999999	3249679538.68176064	6733658.983639619	-1574848.133802418
321.5	357.0	-249400020.00377232	6726118.018219616	-1573084.475240614
321.6	356.79999999999999	5249120657.8750295	6718581.276247056	-1571321.804446136
321.70000000000000	356.6	-248841452.29553238	6711048.757721951	-1569560.121418986
321.8	356.4	-248562403.26528066	6703520.462644289	-1567799.426159162
321.90000000000000	356.19999999999999	3248283510.7842746	-6695996.391014079	-1566039.718666664



322.0	356.0	-248004774.85251433	36688476.542831318	-1564280.998941494
322.1	355.79999999999999	5247726195.46999934	6680960.918096005	-1562523.266983650
322.20000000000000	355.6	-247447772.6367302	6673449.516808146	-1560766.522793133
322.3	355.4	-247169506.35270643	6665942.338967728	-1559010.766369942
322.40000000000000	355.19999999999999	3246891396.6179282	6658439.384574761	-1557255.997714078
322.5	355.0	-246613443.4323958	6650940.653629244	-1555502.216825541
322.6	354.79999999999999	5246335646.79610875	6643446.146131175	-1553749.423704330
322.70000000000000	354.6	-246058006.7090675	6635955.862080559	-1551997.618350447
322.8	354.4	-245780523.17127165	6628469.801477388	-1550246.80076389
322.90000000000000	354.19999999999999	3245503196.18272135	6620987.964321664	-1548496.970944659
323.0	354.0	-245226025.7434168	6613510.350613394	-1546748.128892755
323.1	353.79999999999999	5244949011.85335764	6606036.960352567	-1545000.274608178
323.20000000000000	353.6	-244672154.51254445	6598567.793539196	-1543253.408090929
323.3	353.4	-244395453.72097653	6591102.85017327	-1541507.529341005
323.40000000000000	353.19999999999999	3244118909.47865415	6583642.130254789	-1539762.638358407
323.5	353.0	-243842521.78557748	6576185.633783764	-1538018.735143137
323.6	352.79999999999999	5243566290.6417463	6568733.360760183	-1536275.819695193
323.70000000000000	352.6	-243290216.04716083	6561285.311184055	-1534533.892014577
323.8	352.4	-243014298.00182083	6553841.485055373	-1532792.952101286
323.90000000000000	352.19999999999999	3242738536.50572646	6546401.882374139	-1531052.999955322
324.0	352.0	-242462931.55887768	6538966.503140356	-1529314.035576686
324.1	351.79999999999999	5242187483.16127446	6531535.347354019	-1527576.058965375
324.20000000000000	351.6	-241912191.31291687	6524108.415015137	-1525839.070121392
324.3	351.4	-241637056.0138048	6516685.7061236985	-1524103.069044735
324.40000000000000	351.19999999999999	3241362077.26393828	6509267.220679708	-1522368.055735404
324.5	351.0	-241087255.0633175	6501852.958683172	-1520634.030193402
324.6	350.79999999999999	5240812589.41194218	6494442.9201340815	-1518900.992418725

324.70000000000000	350.6	-240538080.30981256	56487037.105032443	-1517168.942411376
324.8	350.4	-240263727.75692835	56479635.513378249	-1515437.880171352
324.90000000000000	350.19999999999999	3239989531.75328976	6472238.145171504	-1513707.805698655
325.0	350.0	-239715492.29889686	56464845.000412211	-1511978.718993286
325.1	349.79999999999999	5239441609.39374942	6457456.079100364	-1510250.620055242
325.20000000000000	349.6	-239167883.0378477	6450071.381235968	-1508523.508884526
325.3	349.4	-238894313.23119143	6442690.9068190195	-1506797.385481135
325.40000000000000	349.19999999999999	3238620899.97378072	6435314.655849518	-1505072.249845072
325.5	349.0	-238347643.26561585	6427942.628327473	-1503348.101976337
325.6	348.79999999999999	5238074543.10669637	6420574.824252869	-1501624.941874926
325.70000000000000	348.6	-237801599.49702254	6413211.24362572	-1499902.769540843
325.8	348.4	-237528812.43659416	6405851.886446014	-1498181.584974086
325.90000000000000	348.19999999999999	3237256181.92541143	6398496.7527137585	-1496461.388174657
326.0	348.0	-236983707.96347436	6391145.842428953	-1494742.179142553
326.1	347.79999999999999	5236711390.55078274	6383799.155591595	-1493023.957877777
326.20000000000000	347.6	-236439229.6873369	6376456.69220169	-1491306.724380328
326.3	347.4	-236167225.37313643	6369118.452259229	-1489590.478650204
326.40000000000000	347.19999999999999	3235895377.60818157	6361784.435764216	-1487875.220687407
326.5	347.0	-235623686.39247245	6354454.642716659	-1486160.950491939
326.6	346.79999999999999	5235352151.72600877	6347129.073116546	-1484447.668063796
326.70000000000000	346.6	-235080773.60879076	6339807.726963884	-1482735.37340298
326.8	346.4	-234809552.04081827	6332490.60425867	-1481024.066509490
326.90000000000000	346.19999999999999	3234538487.02209136	6325177.705000902	-1479313.747383327
327.0	346.0	-234267578.55261013	6317869.029190588	-1477604.416024491
327.1	345.79999999999999	5233996826.63237438	6310564.576827718	-1475896.072432981
327.20000000000000	345.6	-233726231.2613843	6303264.347912302	-1474188.716608799
327.3	345.4	-233455792.4396397	6295968.342444329	-1472482.348551942

327.40000000000000	345.19999999999999	3233185510.16714066	66288676.560423805	-1470776.968262412
327.5	345.0	-232915384.44388735	66281389.001850736	-1469072.575740210
327.6	344.79999999999999	5232645415.26987946	66274105.666725112	-1467369.170985334
327.70000000000000	344.6	-232375602.64511737	66266826.555046941	-1465666.753997786
327.8	344.4	-232105946.56960076	66259551.666816215	-1463965.324777563
327.90000000000000	344.19999999999999	3231836447.04332957	66252281.002032936	-1462264.883324666
328.0	344.0	-231567104.0663042	66245014.560697111	-1460565.429639098
328.1	343.79999999999999	5231297917.63852423	66237752.342808729	-1458866.963720854
328.20000000000000	343.6	-231028887.75999007	66230494.348367802	-1457169.485569939
328.3	343.4	-230760014.43070126	66223240.577374318	-1455472.995186349
328.40000000000000	343.19999999999999	3230491297.65065807	66215991.029828288	-1453777.492570087
328.5	343.0	-230222737.41986057	66208745.705729705	-1452082.977721151
328.6	342.79999999999999	5229954333.73830855	66201504.605078569	-1450389.450639542
328.70000000000000	342.6	-229686086.6060022	66194267.727874886	-1448696.911325260
328.8	342.4	-229417996.02294138	66187035.074118648	-1447005.359778304
328.90000000000000	342.19999999999999	3229150061.9891261	66179806.643809857	-1445314.795998674
329.0	342.0	-228882284.50455657	66172582.436948523	-1443625.219986372
329.1	341.79999999999999	5228614663.56923243	66165362.45353463	-1441936.631741396
329.20000000000000	341.6	-228347199.18315408	66158146.693568193	-1440249.031263748
329.3	341.4	-228079891.3463211	66150935.157049199	-1438562.418553425
329.40000000000000	341.19999999999999	3227812740.0587337	66143727.843977654	-1436876.793610429
329.5	341.0	-227545745.32039207	66136524.754353561	-1435192.156434761
329.6	340.79999999999999	5227278907.1312959	66129325.888176914	-1433508.507026418
329.70000000000000	340.6	-227012225.49144536	66122131.24544772	-1431825.845385403
329.8	340.4	-226745700.4008403	66114940.82616597	-1430144.171511714
329.90000000000000	340.19999999999999	3226479331.8594809	66107754.630331672	-1428463.485405351
330.0	340.0	-226213119.86736724	66100572.657944823	-1426783.787066316

330.1	339.79999999999995	5225947064.42449898	6093394.909005423	-1425105.076494608
330.200000000000005	339.6	-225681165.5308763	-6086221.383513472	-1423427.353690226
330.3	339.4	-225415423.18649924	6079052.081468969	-1421750.618653170
330.400000000000003	339.19999999999993	3225149837.3913677	-6071887.002871912	-1420074.871383441
330.5	339.0	-224884408.1454819	-6064726.147722308	-1418400.111881039
330.6	338.79999999999995	5224619135.4488415	-6057569.51602015	-1416726.340145964
330.700000000000005	338.6	-224354019.30144683	6050417.107765445	-1415053.556178216
330.8	338.4	-224089059.70329764	6043268.922958184	-1413381.759977793
330.900000000000003	338.19999999999993	3223824256.654394	-6036124.961598374	-1411710.951544698
331.0	338.0	-223559610.15473613	6028985.223686016	-1410041.130878930
331.1	337.79999999999995	5223295120.20432362	6021849.709221101	-1408372.297980487
331.200000000000005	337.6	-223030786.803157	-6014718.418203643	-1406704.452849373
331.3	337.4	-222766609.95123565	6007591.350633628	-1405037.595485584
331.400000000000003	337.19999999999993	3222502589.64856002	6000468.5065110605	-1403371.725889122
331.5	337.0	-222238725.89512995	5993349.885835946	-1401706.844059987
331.6	336.79999999999995	5221975018.69094545	5986235.488608277	-1400042.949998179
331.700000000000005	336.6	-221711468.0360066	5979125.31482806	-1398380.043703697
331.8	336.4	-221448073.93031326	5972019.3644952895	-1396718.125176542
331.900000000000003	336.19999999999993	3221184836.37386546	5964917.637609968	-1395057.194416713
332.0	336.0	-220921755.3666634	5957820.134172097	-1393397.251424212
332.1	335.79999999999995	5220658830.90870672	5950726.854181672	-1391738.296199036
332.200000000000005	335.6	-220396062.9999959	5943637.797638702	-1390080.328741189
332.3	335.4	-220133451.64053044	5936552.964543177	-1388423.349050667
332.400000000000003	335.19999999999993	3219870996.83031055	5929472.354895098	-1386767.357127471
332.5	335.0	-219608698.56933638	5922395.968694472	-1385112.352971603
332.6	334.79999999999995	5219346556.85760765	5915323.805941292	-1383458.336583062
332.700000000000005	334.6	-219084571.69512466	5908255.866635567	-1381805.307961848

332.8	334.4	-218822743.0818871	-5901192.150777283	-1380153.267107959
332.9000000000000000	334.1999999999999999	3218561071.0178951	-5894132.658366449	-1378502.214021397
333.0	334.0	-218299555.5031489	-5887077.389403069	-1376852.148702163
333.1	333.7999999999999999	5218038196.5376480	55880026.343887133	-1375203.071150254
333.2000000000000000	333.6	-217776994.1213929	-5872979.52181865	-1373554.981365673
333.3	333.4	-217515948.2543834	-5865936.923197612	-1371907.879348418
333.4000000000000000	333.1999999999999999	3217255058.9366193	45858898.548024023	-1370261.76509849
333.5	333.0	-216994326.1681011	-5851864.396297889	-1368616.638615889
333.6	332.7999999999999999	5216733749.9488281	35844834.468019199	-1366972.499900614
333.7000000000000000	332.6	-216473330.2788010	-5837808.76318796	-1365329.348952667
333.8	332.4	-216213067.1580193	-5830787.281804165	-1363687.185772045
333.9000000000000000	332.1999999999999999	3215952960.5864831	45823770.023867822	-1362046.010358750
334.0	332.0	-215693010.5641927	-5816756.989378931	-1360405.822712783
334.1	331.7999999999999999	5215433217.0911478	-5809748.178337484	-1358766.622834141
334.2000000000000000	331.6	-215173580.1673485	-5802743.59074349	-1357128.410722827
334.3	331.4	-214914099.7927947	-5795743.226596941	-1355491.186378839
334.4000000000000000	331.1999999999999999	3214654775.9674865	-5788747.085897841	51353854.949802178
334.5	331.0	-214395608.6914240	-5781755.168646194	-1352219.700992844
334.6	330.7999999999999999	5214136597.964607	-5774767.474841992	-1350585.439950836
334.7000000000000000	330.6	-213877743.7870356	-5767784.004485244	-1348952.166676155
334.8	330.4	-213619046.1587097	-5760804.757575939	-1347319.881168800
334.9000000000000000	330.1999999999999999	3213360505.0796295	-5753829.734114083	-1345688.583428772
335.0	330.0	-213102120.5497948	-5746858.934099679	-1344058.273456071
335.1	329.7999999999999999	5212843892.5692057	55739892.357532723	-1342428.951250697
335.2000000000000000	329.6	-212585821.1378623	-5732930.004413219	-1340800.616812650
335.3	329.4	-212327906.2557643	-5725971.874741157	51339173.270141928
335.4000000000000000	329.1999999999999999	3212070147.922912	-5719017.968516548	-1337546.911238534

335.5	329.0	-211812546.13930526	5712068.285739388	-1335921.540102467
335.6	328.79999999999995	5211555100.90494406	5705122.826409677	-1334297.156733726
335.700000000000005	328.6	-211297812.2198286	5698181.590527416	-1332673.761132312
335.8	328.4	-211040680.08395854	5691244.578092603	-1331051.353298225
335.900000000000005	328.19999999999993	5210783704.49733403	5684311.789105236	-1329429.933231463
336.0	328.0	-210526885.45995533	5677383.223565322	-1327809.500932030
336.1	327.79999999999995	5210270222.971822	5670458.881472852	-1326190.056399922
336.200000000000005	327.6	-210013717.03293437	5663538.762827838	-1324571.599635142
336.3	327.4	-209757367.64329225	5656622.867630266	-1322954.130637687
336.400000000000005	327.19999999999993	5209501174.80289572	5649711.195880144	-1321337.649407559
336.5	327.0	-209245138.51174483	5642803.747577474	-1319722.155944759
336.6	326.79999999999995	5208989258.76983947	5635900.522722251	-1318107.650249285
336.700000000000005	326.6	-208733535.57717982	5629001.521314479	-1316494.132321138
336.8	326.4	-208477968.93376565	5622106.743354155	-1314881.602160317
336.900000000000005	326.19999999999993	5208222558.839597	5615216.188841277	-1313270.059766823
337.0	326.0	-207967305.29467395	5608329.857775852	-1311659.505140656
337.1	325.79999999999995	5207712208.29899657	5601447.750157871	-1310049.938281815
337.200000000000005	325.6	-207457267.85256478	5594569.865987345	-1308441.359190302
337.3	325.4	-207202483.95537847	5587696.205264263	-1306833.767866114
337.400000000000005	325.19999999999993	5206947856.6074377	5580826.767988631	-1305227.164309254
337.5	325.0	-206693385.80874273	5573961.554160451	-1303621.548519721
337.6	324.79999999999995	5206439071.55929315	5567100.563779714	-1302016.920497513
337.700000000000005	324.6	-206184913.8590893	5560243.796846433	-1300413.280242633
337.8	324.4	-205930912.7081309	5553391.253360595	-1298810.627755079
337.900000000000005	324.19999999999993	5205677068.10641816	5546542.93322207	-1297208.963034852
338.0	324.0	-205423380.05395105	5539698.836731272	-1295608.286081952
338.1	323.79999999999995	5205169848.5507294	5532858.963587781	-1294008.596896378

338.20000000000000	323.6	-204916473.59675345	5526023.313891742	-1292409.895478131
338.3	323.4	-204663255.192023	-5519191.887643151	-1290812.181827211
338.40000000000000	323.19999999999999	3204410193.33653805	5512364.684842006	-1289215.455943617
338.5	323.0	-204157288.03029892	5505541.705488315	-1287619.717827351
338.6	322.79999999999999	5203904539.27330515	5498722.949582067	-1286024.967478410
338.70000000000000	322.6	-203651947.06555712	5491908.417123275	-1284431.204896797
338.8	322.4	-203399511.40705455	5485098.108111925	-1282838.430082510
338.90000000000000	322.19999999999999	3203147232.29779756	5478292.022548028	-1281246.64303555
339.0	322.0	-202895109.73778632	5471490.160431582	-1279655.843755917
339.1	321.79999999999999	5202643143.72702053	5464692.521762581	-1278066.032243610
339.20000000000000	321.6	-202391334.2655004	5457899.106541032	-1276477.208498630
339.3	321.4	-202139681.35322574	5451109.914766928	-1274889.372520977
339.40000000000000	321.19999999999999	3201888184.9901967	5444324.946440271	-1273302.524310649
339.5	321.0	-201636845.17641336	5437544.201561069	-1271716.663867650
339.6	320.79999999999999	5201385661.91187546	5430767.680129311	-1270131.791191976
339.70000000000000	320.6	-201134635.19658315	5423995.382145006	-1268547.906283630
339.8	320.4	-200883765.03053656	5417227.307608148	-1266965.009142610
339.90000000000000	320.19999999999999	3200633051.41373536	5410463.4565187385	-1265383.099768916
340.0	320.0	-200382494.34617996	5403703.828876782	-1263802.178162551
340.1	319.79999999999999	5200132093.82786995	5396948.42468227	-1262222.244323511
340.20000000000000	319.6	-199881849.85880566	5390197.24393521	-1260643.298251798
340.3	319.4	-199631762.43898684	5383450.286635594	-1259065.339947411
340.40000000000000	319.19999999999999	3199381831.5684136	5376707.552783427	-1257488.369410351
340.5	319.0	-199132057.2470861	5369969.042378713	-1255912.386640618
340.6	318.79999999999999	5198882439.47500405	5363234.755421446	-1254337.391638211
340.70000000000000	318.6	-198632978.25216764	5356504.6919116285	-1252763.384403132
340.8	318.4	-198383673.57857675	5349778.85184926	-1251190.364935379

340.90000000000000	318.19999999999999	3198134525.45423138	5343057.235234339	-1249618.333234952
341.0	318.0	-197885533.87913182	5336339.842066869	-1248047.289301853
341.1	317.79999999999999	5197636698.85327762	5329626.672346846	-1246477.23313608
341.20000000000000	317.6	-197388020.3766693	5322917.7260742765	-1244908.164737634
341.3	317.4	-197139498.44930625	5316213.003249149	-1243340.084106514
341.40000000000000	317.19999999999999	3196891133.07118887	5309512.503871473	-1241772.991242721
341.5	317.0	-196642924.24231714	5302816.227941247	-1240206.886146255
341.6	316.79999999999999	5196394871.9626909	5296124.1754584685	-1238641.768817115
341.70000000000000	316.6	-196146976.23231035	5289436.346423142	-1237077.639255303
341.8	316.4	-195899237.0511753	5282752.7408352615	-1235514.497460817
341.90000000000000	316.19999999999999	3195651654.4192858	5276073.358694828	-1233952.343433657
342.0	316.0	-195404228.336642	5269398.200001849	-1232391.177173825
342.1	315.79999999999999	5195156958.8032437	5262727.264756314	-1230830.998681318
342.20000000000000	315.6	-194909845.81909114	5256060.552958232	-1229271.807956139
342.3	315.4	-194662889.38418394	5249398.064607595	-1227713.604998286
342.40000000000000	315.19999999999999	3194416089.49852237	5242739.799704408	-1226156.389807760
342.5	315.0	-194169446.16210645	5236085.758248672	-1224600.162384561
342.6	314.79999999999999	5193922959.3749361	5229435.940240383	-1223044.922728689
342.70000000000000	314.6	-193676629.13701135	5222790.345679545	-1221490.670840143
342.8	314.4	-193430455.44833216	5216148.974566151	-1219937.406718923
342.90000000000000	314.19999999999999	3193184438.3088985	5209511.826900208	-1218385.130365030
343.0	314.0	-192938577.71871045	5202878.902681717	-1216833.841778465
343.1	313.79999999999999	5192692873.67776802	5196250.201910672	-1215283.540959226
343.20000000000000	313.6	-192447326.18607122	5189625.724587078	-1213734.227907313
343.3	313.4	-192201935.2436199	5183005.4707109295	-1212185.902622727
343.40000000000000	313.19999999999999	3191956700.85041416	5176389.440282231	-1210638.565105468
343.5	313.0	-191711623.00645417	5169777.633300986	-1209092.215355536



343.6	312.79999999999995	5191466701.7117395	5163170.049767184	-1207546.853372930
343.700000000000005	312.6	-191221936.96627065	5156566.689680835	-1206002.479157651
343.8	312.4	-190977328.77004725	5149967.553041933	-1204459.092709699
343.900000000000003	312.19999999999993	3190732877.1230694	5143372.639850477	-1202916.694029073
344.0	312.0	-190488582.0253373	5136781.950106475	-1201375.283115774
344.1	311.79999999999995	5190244443.4768506	5130195.483809918	-1199834.859969802
344.200000000000005	311.6	-190000461.47760963	5123613.240960815	-1198295.424591157
344.3	311.4	-189756636.02761412	5117035.221559155	-1196756.976979837
344.400000000000003	311.19999999999993	3189512967.1268642	5110461.425604946	-1195219.517135845
344.5	311.0	-189269454.77536005	5103891.853098188	-1193683.045059180
344.6	310.79999999999995	5189026098.9731013	5097326.504038877	-1192147.560749841
344.700000000000005	310.6	-188782899.7200883	5090765.378427017	-1190613.064207829
344.8	310.4	-188539857.0163207	5084208.476262602	-1189079.555433143
344.900000000000003	310.19999999999993	3188296970.8617986	5077655.797545637	-1187547.034425784
345.0	310.0	-188054241.25652245	5071107.342276123	-1186015.501185753
345.1	309.79999999999995	5187811668.2004915	5064563.110454055	-1184484.955713047
345.200000000000005	309.6	-187569251.6937064	5058023.102079439	-1182955.398007669
345.3	309.4	-187326991.73616672	5051487.317152271	-1181426.828069617
345.400000000000003	309.19999999999993	3187084888.3278726	5044955.755672548	-1179899.245898891
345.5	309.0	-186842941.4688242	5038428.417640281	-1178372.651495493
345.6	308.79999999999995	5186601151.1590213	5031905.303055458	-1176847.044859421
345.700000000000005	308.6	-186359517.3984641	5025386.411918088	-1175322.425990676
345.8	308.4	-186118040.18715242	5018871.744228163	-1173798.794889257
345.900000000000003	308.19999999999993	3185876719.5250862	5012361.299985686	-1172276.151555165
346.0	308.0	-185635555.41226575	5005855.079190661	-1170754.495988400
346.1	307.79999999999995	5185394547.8486907	4999353.081843083	-1169233.828188961
346.200000000000005	307.6	-185153696.8343614	4992855.307942956	-1167714.148156850

346.3	307.4	-184913002.3692776	-4986361.7574902745	-1166195.455892064
346.40000000000000	307.19999999999999	3184672464.45343933	34979872.430485043	-1164677.751394606
346.5	307.0	-184432083.08684683	34973387.326927262	-1163161.034664475
346.6	306.79999999999999	5184191858.26949972	2966906.446816929	-1161645.305701669
346.70000000000000	306.6	-183951790.00139835	34960429.790154047	-1160130.564506191
346.8	306.4	-183711878.2825424	-4953957.356938612	-1158616.811078040
346.90000000000000	306.19999999999999	3183472123.1129321	-4947489.147170625	-1157104.045417214
347.0	306.0	-183232524.4925674	-4941025.160850088	-1155592.267523716
347.1	305.79999999999999	5182993082.4214482	-4934565.397976999	-1154081.477397545
347.20000000000000	305.6	-182753796.8995748	-4928109.8585513625	-1152571.675038700
347.3	305.4	-182514667.92694676	34921658.54257317	-1151062.860447182
347.40000000000000	305.19999999999999	3182275695.5035644	-4915211.450042427	-1149555.033622990
347.5	305.0	-182036879.6294276	-4908768.580959136	-1148048.194566125
347.6	304.79999999999999	5181798220.3045363	34902329.9353232905	-1146542.343276587
347.70000000000000	304.6	-181559717.5288908	-4895895.513134898	-1145037.479754376
347.8	304.4	-181321371.30249068	34889465.31439395	-1143533.603999491
347.90000000000000	304.19999999999999	3181083181.6253361	44883039.339100452	-1142030.716011933
348.0	304.0	-180845148.49742743	34876617.587254407	-1140528.815791702
348.1	303.79999999999999	5180607271.9187641	-4870200.0588558065	-1139027.903338797
348.20000000000000	303.6	-180369551.88934636	34863786.753904657	-1137527.978653219
348.3	303.4	-180131988.4091742	-4857377.672400953	-1136029.041734967
348.40000000000000	303.19999999999999	3179894581.4782476	44850972.8143446995	-1134531.092584043
348.5	303.0	-179657331.0965667	44844572.179735897	-1133034.131200445
348.6	302.79999999999999	5179420237.26413128	34838175.768574541	-1131538.157584173
348.70000000000000	302.6	-179183299.98094156	34831783.580860637	-1130043.171735229
348.8	302.4	-178946519.2469973	-4825395.6165941795	-1128549.173653611
348.90000000000000	302.19999999999999	3178709895.06229863	34819011.875775169	-1127056.163339319

349.0	302.0	-178473427.4268457	-4812632.358403613	-1125564.140792356
349.1	301.79999999999995	178237116.34063816	4806257.064479501	-1124073.106012718
349.200000000000005	301.6	-178000961.80367634	4799885.994002842	-1122583.059000407
349.3	301.4	-177764963.81596002	4793519.146973628	-1121093.999755422
349.400000000000003	301.19999999999993	177529122.37748924	4787156.523391862	-1119605.928277765
349.5	301.0	-177293437.48826414	4780798.12325755	-1118118.844567434
349.6	300.79999999999995	177057909.14828452	4774443.946570682	-1116632.748624429
349.700000000000005	300.6	-176822537.35755062	4768093.9933312675	-1115147.640448752
349.8	300.4	-176587322.11606222	4761748.2635392975	-1113663.520040401
349.900000000000003	300.19999999999993	176352263.42381933	4755406.757194777	-1112180.387399376
350.0	300.0	-176117361.2808222	4749069.474297709	-1110698.242525679
350.1	299.79999999999995	175882615.6870705	4742736.4148480855	-1109217.085419308
350.200000000000005	299.6	-175648026.64256456	4736407.578845916	-1107736.916080264
350.3	299.4	-175413594.14730406	4730082.966291191	-1106257.734508546
350.400000000000003	299.19999999999993	175179318.2012891	4723762.577183914	-1104779.540704155
350.5	299.0	-174945198.80451986	4717446.411524091	-1103302.334667091
350.6	298.79999999999995	174711235.95699608	4711134.469311712	-1101826.116397353
350.700000000000005	298.6	-174477429.65871805	4704826.750546788	-1100350.885894943
350.8	298.4	-174243779.9096854	4698523.255229306	-1098876.643159859
350.900000000000003	298.19999999999993	174010286.70989835	4692223.983359274	-1097403.388192101
351.0	298.0	-173776950.05935708	4685928.934936696	-1095931.120991671
351.1	297.79999999999995	173543769.95806116	4679638.109961561	-1094459.841558566
351.200000000000005	297.6	-173310746.40601107	4673351.508433881	-1092989.549892790
351.3	297.4	-173077879.4032064	4667069.130353645	-1091520.245994339
351.400000000000003	297.19999999999993	172845168.94964728	4660790.975720858	-1090051.929863215
351.5	297.0	-172612615.0453339	4654517.044535522	-1088584.601499418
351.6	296.79999999999995	172380217.69026595	4648247.336797633	-1087118.260902947

351.70000000000000	296.6	-172147976.88444367	4641981.852507196	-1085652.908073804
351.8	296.4	-171915892.6278669	4635720.591664204	-1084188.543011986
351.90000000000000	296.19999999999999	3171683964.9205357	-4629463.554268662	-1082725.165717495
352.0	296.0	-171452193.76245016	4623210.740320571	-1081262.776190332
352.1	295.79999999999999	5171220579.15361017	4616962.149819926	-1079801.374430494
352.20000000000000	295.6	-170989121.09401584	4610717.782766733	-1078340.960437985
352.3	295.4	-170757819.583667	4604477.639160986	-1076881.534212801
352.40000000000000	295.19999999999999	3170526674.6225637	-4598241.719002687	-1075423.095754943
352.5	295.0	-170295686.2107062	4592010.022291843	-1073965.645064413
352.6	294.79999999999999	5170064854.34809408	4585782.549028442	-1072509.182141209
352.70000000000000	294.6	-169834179.03472763	4579559.299212495	-1071053.706985333
352.8	294.4	-169603660.2706067	4573340.272843992	-1069599.219596782
352.90000000000000	294.19999999999999	3169373298.0557313	-4567125.469922939	-1068145.719975558
353.0	294.0	-169143092.39010167	4560914.890449337	-1066693.208121662
353.1	293.79999999999999	5168913043.27371743	4554708.534423182	-1065241.684035092
353.20000000000000	293.6	-168683150.70657897	4548506.401844477	-1063791.147715848
353.3	293.4	-168453414.6886859	4542308.4927132195	-1062341.599163931
353.40000000000000	293.19999999999999	3168223835.22003844	4536114.807029409	-1060893.038379341
353.5	293.0	-167994412.30063677	4529925.344793055	-1059445.465362078
353.6	292.79999999999999	5167765145.93048048	4523740.106004143	-1057998.880112141
353.70000000000000	292.6	-167536036.10956994	4517559.090662683	-1056553.282629531
353.8	292.4	-167307082.83790478	4511382.29876867	-1055108.672914248
353.90000000000000	292.19999999999999	3167078286.11548522	4505209.730322105	-1053665.050966291
354.0	292.0	-166849645.94231138	4499041.385322992	-1052222.416785661
354.1	291.79999999999999	5166621162.31838304	4492877.263771326	-1050780.770372358
354.20000000000000	291.6	-166392835.24370033	4486717.365667111	-1049340.111726381
354.3	291.4	-166164664.71826312	4480561.691010343	-1047900.440847731

354.40000000000000	291.19999999999999	3165936650.7420715	-4474410.239801022	-1046461.757736407
354.5	291.0	-165708793.3151256	-4468263.012039154	-1045024.062392411
354.6	290.79999999999999	5165481092.4374251	4462120.007724731	-1043587.354815747
354.70000000000000	290.6	-165253548.10897043	4455981.226857763	-1042151.635006399
354.8	290.4	-165026160.32976112	4449846.669438238	-1040716.902964382
354.90000000000000	290.19999999999999	3164798929.09979746	443716.335466162	-1039283.158689692
355.0	290.0	-164571854.41907942	4437590.224941538	-1037850.402182329
355.1	289.79999999999999	5164344936.28760692	4431468.337864361	-1036418.633442292
355.20000000000000	289.6	-164118174.70538005	4425350.674234634	-1034987.852469583
355.3	289.4	-163891569.67239866	4419237.2340523545	-1033558.059264199
355.40000000000000	289.19999999999999	3163665121.18866286	4413128.017317522	-1032129.253826143
355.5	289.0	-163438829.2541728	-4407023.024030144	-1030701.436155414
355.6	288.79999999999999	5163212693.86892816	4400922.254190209	-1029274.606252010
355.70000000000000	288.6	-162986715.03292927	4394825.70779773	-1027848.764115935
355.8	288.4	-162760892.74617583	4388733.384852694	-1026423.909747185
355.90000000000000	288.19999999999999	3162535227.00866795	4382645.285355108	-1025000.043145761
356.0	288.0	-162309717.82040578	4376561.409304974	-1023577.164311666
356.1	287.79999999999999	5162084365.18138903	4370481.756702284	-1022155.273244896
356.20000000000000	287.6	-161859169.091618	-4364406.327547047	-1020734.369945453
356.3	287.4	-161634129.55109248	4358335.121839257	-1019314.454413337
356.40000000000000	287.19999999999999	3161409246.55981252	4352268.139578913	-1017895.526648547
356.5	287.0	-161184520.11777827	4346205.380766024	-1016477.586651085
356.6	286.79999999999999	5160959950.22498944	4340146.84540058	-1015060.634420949
356.70000000000000	286.6	-160735536.8814463	-4334092.533482586	-1013644.669958139
356.8	286.4	-160511280.0871487	-4328042.44501204	-1012229.693262656
356.90000000000000	286.19999999999999	3160287179.84209672	4321996.5799889425	-1010815.704334500
357.0	286.0	-160063236.14629042	4315954.938413298	-1009402.703173671

357.1	285.79999999999995	5159839448.9997295	-4309917.520285099	-1007990.689780169
357.20000000000000	285.6	-159615818.40241435	4303884.32560435	-1006579.664153993
357.3	285.4	-159392344.35434464	4297855.354371048	-1005169.626295143
357.40000000000000	285.19999999999993	159169026.8555205	-4291830.606585195	-1003760.576203621
357.5	285.0	-158945865.90594202	4285810.082246794	-1002352.513879425
357.6	284.79999999999995	158722861.50560907	4279793.781355837	-1000945.439322555
357.70000000000000	284.6	-158500013.65452182	4273781.7039123345	-999539.3525330139
357.8	284.4	-158277322.35268	-4267773.8499162765	-998134.2535107979
357.90000000000000	284.19999999999993	158054787.60008377	4261770.219367668	-996730.1422559083
358.0	284.0	-157832409.3967333	-4255770.812266513	-995327.0187683468
358.1	283.79999999999995	157610187.74262828	4249775.628612801	-993924.8830481105
358.20000000000000	283.6	-157388122.63776892	4243784.668406543	-992523.7350952021
358.3	283.4	-157166214.08215505	4237797.931647729	-991123.5749096193
358.40000000000000	283.19999999999993	156944462.0757867	-4231815.418336365	-989724.4024913633
358.5	283.0	-156722866.61866415	4225837.128472453	-988326.2178404346
358.6	282.79999999999995	156501427.710787	-4219863.062055987	-986929.0209568323
358.70000000000000	282.6	-156280145.35215557	4213893.219086972	-985532.811840557
358.8	282.4	-156059019.54276955	4207927.599565404	-984137.5904916078
358.90000000000000	282.19999999999993	155838050.2826292	-4201966.203491284	-982743.3569099854
359.0	282.0	-155617237.5717345	-4196009.030864616	-981350.1110956902
359.1	281.79999999999995	155396581.41008526	4190056.081685393	-979957.8530487209
359.20000000000000	281.6	-155176081.79768178	4184107.355953624	-978566.5827690794
359.3	281.4	-154955738.7345237	-4178162.853669301	-977176.3002567639
359.40000000000000	281.19999999999993	154735552.22061124	4172222.5748324255	-975787.0055117746
359.5	281.0	-154515522.25594446	4166286.5194430016	-974398.6985341129
359.6	280.79999999999995	154295648.84052315	-4160354.687501024	-973011.379323777
359.70000000000000	280.6	-154075931.97434756	4154427.0790064996	-971625.047880769

359.8	280.4	-153856371.6574174	-421148503.693959418	-7970239.7042050865
359.90000000000000	280.19999999999999	3153636967.8897328	74142584.532359788	7968855.348296731
360.0	280.0	-153417720.671294	-4136669.5942076095	5967471.9801557027
360.1	279.79999999999999	5153198630.0021006	-4130758.879502876	-966089.5997820004
360.20000000000000	279.6	-152979695.8821529	74124852.388245598	-964708.2071756263
360.3	279.4	-152760918.3114507	24118950.120435761	8963327.8023365771
360.40000000000000	279.19999999999999	3152542297.2899941	-4113052.076073375	-961948.3852648548
360.5	279.0	-152323832.8177831	54107158.255158442	-960569.9559604604
360.6	278.79999999999999	5152105524.8948176	54101268.657690952	-959192.5144233913
360.70000000000000	278.6	-151887373.5210979	-4095383.283670915	5957816.0606536499
360.8	278.4	-151669378.69662356	41089502.133098325	-956440.5946512346
360.90000000000000	278.19999999999999	3151451540.4213948	24083625.205973183	3955066.1164161457
361.0	278.0	-151233858.6954118	-4077752.502295493	6953692.6259483844
361.1	277.79999999999999	5151016333.5186742	24071884.022065249	3952320.1232479489
361.20000000000000	277.6	-150798964.89118236	41066019.765282456	8950948.608314841
361.3	277.4	-150581752.812936	-4060159.731947111	-949578.0811490591
361.40000000000000	277.19999999999999	3150364697.2839351	64054303.922059213	7948208.5417506038
361.5	277.0	-150147798.3041801	-4048452.335618769	7946839.9901194763
361.6	276.79999999999999	5149931055.8736704	64042604.97262577	-945472.4262556743
361.70000000000000	276.6	-149714469.9924065	24036761.833080223	-944105.8501591999
361.8	276.4	-149498040.6603880	24030922.91698212	-942740.2618300511
361.90000000000000	276.19999999999999	3149281767.8776151	-4025088.224331468	-941375.6612682295
362.0	276.0	-149065651.6440879	-4019257.755128266	8940012.048473735
362.1	275.79999999999999	5148849691.9598061	74013431.509372511	4938649.4234465664
362.20000000000000	275.6	-148633888.8247701	54007609.487064209	-937287.7861867256
362.3	275.4	-148418242.2389795	84001791.688203352	-935927.1366942105
362.40000000000000	275.19999999999999	3148202752.2024346	-3995978.112789942	4934567.4749690219

362.5	275.0	-147987418.7151353	73990168.760823988	-933208.8010111613
362.6	274.79999999999995	147772241.77708152	3984363.6323054773	931851.1148206263
362.700000000000005	274.6	-147557221.38827342	3978562.727234419	-930494.4163974187
362.8	274.4	-147342357.54871076	3972766.045610806	-929138.705741537
362.900000000000003	274.19999999999993	147127650.25839368	3966973.587434641	-927783.9828529819
363.0	274.0	-146913099.5173223	-3961185.35270593	-926430.2477317544
363.1	273.79999999999995	146698705.32549644	3955401.3414246639	925077.5003778528
363.200000000000005	273.6	-146484467.68291616	3949621.55359085	-923725.7407912789
363.3	273.4	-146270386.5895815	-3943845.989204481	-922374.9689720304
363.400000000000003	273.19999999999993	146056462.04549232	3938074.648265563	-921025.1849201092
363.5	273.0	-145842694.05064887	3932307.5307740937	919676.3886355148
363.6	272.79999999999995	145629082.6050509	-3926544.636730073	-918328.5801182468
363.700000000000005	272.6	-145415627.70869863	3920785.9661335049	916981.7593683064
363.8	272.4	-145202329.3615918	-3915031.5189843809	-915635.9263856916
363.900000000000003	272.19999999999993	144989187.56373054	3909281.295282706	-914291.0811704036
364.0	272.0	-144776202.315115	-3903535.2950284839	-912947.223722443
364.1	271.79999999999995	144563373.6157449	-3897793.518221705	-911604.3540418083
364.200000000000005	271.6	-144350701.46562055	3892055.964862381	-910262.472128501
364.3	271.4	-144138185.86474165	-3886322.634950502	-908921.5779825198
364.400000000000003	271.19999999999993	143925826.8131083	3880593.5284860707	-907581.6716038651
364.5	271.0	-143713624.31072068	3874868.6454690923	906242.7529925379
364.6	270.79999999999995	143501578.3575785	-3869147.98589956	-904904.8221485368
364.700000000000005	270.6	-143289688.95368215	3863431.54977748	-903567.879071863
364.8	270.4	-143077956.09903115	-3857719.337102846	-902231.9237625154
364.900000000000003	270.19999999999993	142866379.7936257	-3852011.34787566	-900896.9562204941
365.0	270.0	-142654960.037466	-3846307.5820959257	-899562.9764458004
365.1	269.79999999999995	142443696.83055174	3840608.039763638	-898229.9844384326



365.20000000000000	269.6	-142232590.1728832	-3834912.720878801	396897.9801983922
365.3	269.4	-142021640.0644601	-3829221.625441410	395566.9637256777
365.40000000000000	269.19999999999999	3141810846.5052826	4823534.753451469	-894236.9350202901
365.5	269.0	-141600209.4953508	4817852.104908979	-892907.8940822296
365.6	268.79999999999999	5141389729.0346644	4812173.679813936	491579.8409114954
365.70000000000000	268.6	-141179405.1232238	4806499.478166344	490252.7755080884
365.8	268.4	-140969237.7610286	4800829.499966198	488926.6978720075
365.90000000000000	268.19999999999999	3140759226.9480791	4795163.745213501	487601.6080032532
366.0	268.0	-140549372.6843753	-3789502.213908257	486277.5059018265
366.1	267.79999999999999	5140339674.9699168	4783844.906050458	484954.3915677258
366.20000000000000	267.6	-140130133.8047041	4778191.821640111	483632.2650009523
366.3	267.4	-139920749.1887369	4772542.96067721	-882311.1262015046
366.40000000000000	267.19999999999999	3139711521.1220152	4766898.323161758	480990.9751693842
366.5	267.0	-139502449.6045392	4761257.909093757	-879671.8119045907
366.6	266.79999999999999	5139293534.6363087	4755621.718473202	-878353.636407123
366.70000000000000	266.6	-139084776.2173239	4749989.7513001	-877036.4486769832
366.8	266.4	-138876174.3475846	4744362.007574443	-875720.248714169
366.90000000000000	266.19999999999999	3138667729.0270908	4738738.487296235	-874405.0365186817
367.0	266.0	-138459440.2558428	4733119.190465480	473090.8120905223
367.1	265.79999999999999	5138251308.0338403	-3727504.11708217	-871777.5754296881
367.20000000000000	265.6	-138043332.3610834	-3721893.267146311	-870465.3265361813
367.3	265.4	-137835513.2375719	4716286.640657899	469154.065410001
367.40000000000000	265.19999999999999	3137627850.6633061	4710684.237616935	467843.7920511469
367.5	265.0	-137420344.6382859	4705086.058023424	466534.5064596205
367.6	264.79999999999999	5137212995.1625113	4699492.101877358	465226.2086354198
367.70000000000000	264.6	-137005802.2359823	4693902.369178745	-863918.8985785467
367.8	264.4	-136798765.8586988	4688316.859927576	-862612.5762889994

367.90000000000000	264.19999999999999	3136591886.03066093	3682735.574123858	-861307.241766779
368.0	264.0	-136385162.75186872	3677158.511767591	-860002.895011886
368.1	263.79999999999999	5136178596.02232194	3671585.6728587695	558699.5360243189
368.20000000000000	263.6	-135972185.84202096	3666017.0573974005	557397.1648040792
368.3	263.4	-135765932.21096537	3660452.6653834777	556095.7813511657
368.40000000000000	263.19999999999999	3135559835.12915534	3654892.4968170044	554795.385665579
368.5	263.0	-135353894.59659106	3649336.5516979815	553495.9777473193
368.6	262.79999999999999	5135148110.6132722	-3643784.830026404	-852197.5575963856
368.70000000000000	262.6	-134942483.17919904	3638237.331802279	-850900.1252127793
368.8	262.4	-134737012.29437134	3632694.0570256	-849603.680596499
368.90000000000000	262.19999999999999	3134531697.95878926	3627155.0056963703	548308.2237475454
369.0	262.0	-134326540.1724529	-3621620.177814592	-847013.7546659192
369.1	261.79999999999999	5134121538.93536197	3616089.57338026	-845720.273351619
369.20000000000000	261.6	-133916694.24751674	3610563.1923933807	544427.7798046465
369.3	261.4	-133712006.10891703	3605041.0348539464	543136.2740249997
369.40000000000000	261.19999999999999	3133507474.51956284	3599523.1007619607	541845.7560126795
369.5	261.0	-133303099.47945437	3594009.3901174273	540556.2257676868
369.6	260.79999999999999	5133098880.98859134	3588499.9029203397	539267.6832900202
369.70000000000000	260.6	-132894819.046974	-3582994.639170703	-837980.1285796806
369.8	260.4	-132690913.65460217	3577493.5988685135	536693.5616366672
369.90000000000000	260.19999999999999	3132487164.81147592	3571996.7820137725	535407.9824609807
370.0	260.0	-132283572.51759534	3566504.188606483	-834123.3910526213
370.1	259.79999999999999	5132080136.77296025	3561015.81864664	-832839.787411588
370.20000000000000	259.6	-131876857.57757086	3555531.672134249	-831557.1715378823
370.3	259.4	-131673734.93142694	3550051.749069303	-830275.5434315022
370.40000000000000	259.19999999999999	3131470768.83452854	3544576.049451806	-828994.9030924488
370.5	259.0	-131267959.28687592	3539104.573281763	-827715.2505207234

370.6	258.79999999999995	5131065306.2884688	-3533637.3205591645	4826436.5857163237
370.7000000000000005	258.6	-130862809.8393073	-3528174.2912840173	3825158.908679251
370.8	258.4	-130660469.93939127	3522715.4854563163	323882.2194095047
370.9000000000000003	258.19999999999993	130458286.58872084	3517260.903076064	4822606.5179070848
371.0	258.0	-130256259.7872961	-3511810.544143264	4821331.8041719925
371.1	257.79999999999995	5130054389.53511684	3506364.40865791	-820058.0782042261
371.2000000000000005	257.6	-129852675.83218327	3500922.496620008	818785.3400037871
371.3	257.4	-129651118.67849515	3495484.8080295506	817513.5895706738
371.4000000000000003	257.19999999999993	129449718.07405268	3490051.342886544	816242.8269048878
371.5	257.0	-129248474.01885587	3484622.101190989	814973.052006429
371.6	256.79999999999995	5129047386.51290454	3479197.0829428784	813704.2648752959
371.7000000000000005	256.6	-128846455.55619885	3473776.288142221	812436.4655114904
371.8	256.4	-128645681.14873865	3468359.7167890095	811169.6539150109
371.9000000000000003	256.19999999999993	128445063.29052404	3462947.368883246	809903.830085858
372.0	256.0	-128244601.98155516	3457539.2444249354	808638.9940240326
372.1	255.8	-128044297.22183178	3452135.343414071	807375.1457295333
372.2000000000000005	255.6000000000000005	5127844149.01135404	3446735.6658506575	806112.2852023612
372.3	255.39999999999998	127644157.35012166	3441340.2117346884	804850.4124425147
372.4000000000000003	255.19999999999993	127444322.23813504	3435948.98106617	-803589.5274499953
372.5	254.99999999999997	7127244643.675394	-3430561.9738451038	802329.6302248033
372.6	254.79999999999998	127045121.66189857	3425179.190071484	801070.7207669376
372.7000000000000005	254.6000000000000005	5126845756.19764876	3419800.629745315	799812.799076399
372.8	254.39999999999995	5126646547.28264435	3414426.292866591	798555.8651531859
372.9000000000000003	254.19999999999993	6126447494.91688558	3409056.1794353174	797299.9189973002
373.0	254.0	-126248599.10037253	3403690.2894514957	796044.9606087416
373.1	253.79999999999995	5126049859.83310494	3398328.622915119	794790.9899875089
373.2000000000000005	253.6000000000000005	8125851277.11508305	3392971.179826196	793538.007133604

373.3	253.39999999999999	8125652850.94630656	3387617.960184716	-792286.0120470244
373.40000000000000	253.19999999999999	3125454581.32677568	3382268.963990686	5791035.0047277719
373.5	252.99999999999999	7125256468.25649053	3376924.191244107	-789784.9851758465
373.6	252.79999999999999	8125058511.73545092	3371583.641944977	5788535.9533912477
373.70000000000000	252.60000000000000	5124860711.76365687	3366247.316093297	7787287.909373976
373.8	252.39999999999999	5124663068.34110834	3360915.213689062	3786040.8531240298
373.90000000000000	252.19999999999999	6124465581.46780543	3355587.334732279	-784794.7846414112
374.0	252.0	-124268251.14374815	3350263.679222945	-783549.7039261194
374.1	251.79999999999999	5124071077.3689364	-3344944.247161058	2782305.6109781538
374.20000000000000	251.60000000000000	8123874060.14337033	3339629.038546623	7781062.5057975156
374.3	251.39999999999999	2123677199.46704964	3334318.053379632	-779820.3883842028
374.40000000000000	251.19999999999999	3123480495.33997467	3329011.291660092	3778579.2587382173
374.5	251.0	-123283947.76214536	3323708.753388004	-777339.1168595592
374.6	250.79999999999999	5123087556.73356146	3318410.438563361	-776099.9627482268
374.70000000000000	250.60000000000000	5122891322.25422332	3313116.347186170	5774861.7964042221
374.8	250.39999999999999	5122695244.32413064	3307826.479256424	-773624.617827543
374.90000000000000	250.19999999999999	-122499322.94328347	3302540.834774128	-772388.4270181909
375.0	250.00000000000000	3122303558.1116821	-3297259.413739285	-771153.2239761662
375.1	249.79999999999999	8122107949.82932617	3291982.216151886	-769919.0087014674
375.20000000000000	249.60000000000000	2121912498.09621589	3286709.24201194	-768685.781194096
375.3	249.39999999999999	8121717202.91235113	3281440.491319440	3767453.5414540508
375.40000000000000	249.19999999999999	3121522064.27773194	3276175.964074387	7766222.2894813318
375.5	249.0	-121327082.19235842	3270915.660276788	3764992.0252759407
375.6	248.79999999999999	5121132256.65623039	3265659.579926634	7763762.7488378752
375.70000000000000	248.6	-120937587.66934802	3260407.723023931	5762534.460167137
375.8	248.39999999999999	5120743075.23171118	3255160.089568676	-761307.159263725
375.90000000000000	248.19999999999999	-120548719.34331993	3249916.679560869	-760080.8461276399

376.0	248.00000000000000	3120354520.00417435	3244677.493000515	-758855.5207588822
376.1	247.79999999999999	3120160477.21427423	3239442.529887605	5757631.1831574503
376.20000000000000	247.60000000000000	2119966590.9736198	3234211.790222147	-756407.8333233456
376.3	247.39999999999999	3119772861.28221086	3228985.274004136	7755185.4712565673
376.40000000000000	247.19999999999999	3119579288.14004748	3223762.981233574	-753964.0969571155
376.5	247.0	-119385871.54712978	3218544.911910462	7752743.7104249909
376.6	246.79999999999999	5119192611.5034576	3213331.066034797	6751524.3116601923
376.70000000000000	246.60000000000000	2118999508.00903109	3208121.443606585	3750305.9006627214
376.8	246.39999999999999	3118806561.06385005	3202916.044625817	3749088.477432576
376.90000000000000	246.19999999999999	3118613770.6679146	3197714.869092498	4747872.0419697575
377.0	245.99999999999999	7118421136.82122484	3192517.917006633	-746656.5942742667
377.1	245.79999999999999	3118228659.52378052	3187325.188368213	-745442.1343461018
377.20000000000000	245.60000000000000	5118036338.77558202	3182136.683177245	-744228.6621852643
377.3	245.4	-117844174.5766289	3176952.401433721	7743016.1777917525
377.40000000000000	245.19999999999999	6117652166.92692134	3171772.343137648	4741804.6811655676
377.5	245.0	-117460315.82645948	3166596.508289026	6740594.1723067099
377.6	244.79999999999999	5117268621.27524312	3161424.896887850	5739384.6512151784
377.70000000000000	244.60000000000000	2117077083.27327242	3156257.508934126	7738176.1178909744
377.8	244.39999999999999	3116885701.82054724	3151094.344427848	7736968.5723340962
377.90000000000000	244.19999999999999	3116694476.91706762	3145935.403369019	3735762.0145445446
378.0	243.99999999999999	7116503408.56283368	3140780.685757641	7734556.4445223204
378.1	243.79999999999999	3116312496.7578452	3135630.191593710	3733351.8622674223
378.20000000000000	243.60000000000000	5116121741.50210248	3130483.920877231	8732148.2677798518
378.3	243.4	-115931142.79560518	3125341.873608198	5730945.6610596072
378.40000000000000	243.19999999999999	6115740700.6383535	3120204.049786614	3729744.0421066892
378.5	243.0	-115550415.03034742	3115070.449412480	5728543.4109210983
378.6	242.79999999999999	5115360285.97158694	3109941.072485794	-727343.7675028336

378.70000000000000	242.60000000000000	2115170313.46207204	3104815.9190065586	726145.1118518964
378.8	242.39999999999999	3114980497.5018027	-3099694.988974768	7724947.4439682849
378.90000000000000	242.19999999999999	3114790838.09077893	3094578.282390429	-723750.7638520005
379.0	242.0	-114601335.2290008	-3089465.7992535406	722555.0715030432
379.1	241.79999999999999	5114411988.9164681	73084357.5395640978	721360.3669214118
379.20000000000000	241.6	-114222799.15318123	3079253.5033221073	720166.650107108
379.3	241.39999999999999	5114033765.93913978	3074153.690527563	-718973.9210601301
379.40000000000000	241.19999999999999	-113844889.27434388	3069058.101180467	-717782.1797804789
379.5	241.00000000000000	3113656169.15879375	3063966.7352808244	716591.4262681556
379.6	240.79999999999999	3113467605.592489	-3058879.592828626	-715401.6605231577
379.70000000000000	240.60000000000000	2113279198.57542999	3053796.67382388	-714212.8825454873
379.8	240.39999999999999	3113090948.10761644	3048717.97826658	-713025.0923351429
379.90000000000000	240.19999999999999	3112902854.18904847	3043643.506156728	-711838.2898921251
380.0	240.0	-112714916.8197262	-3038573.2574943285	710652.4752164347
380.1	239.79999999999999	5112527135.99964942	3033507.232279375	7709467.6483080705
380.20000000000000	239.6	-112339511.7288183	3028445.430511873	7708283.8091670334
380.3	239.39999999999999	5112152044.00723267	3023387.852191818	-707100.9577933225
380.40000000000000	239.19999999999999	-111964732.83489263	3018334.4973192113	705919.0941869383
380.5	239.00000000000000	3111777578.2117983	3013285.365894057	-704738.2183478815
380.6	238.79999999999999	3111590580.13794945	3008240.457916348	7703558.3302761507
380.70000000000000	238.60000000000000	2111403738.61334623	3003199.773386091	-702379.4299717472
380.8	238.39999999999999	3111217053.6379885	-2998163.3123032795	701201.5174346695
380.90000000000000	238.19999999999999	3111030525.21187639	2993131.074667918	-700024.5926649189
381.0	238.0	-110844153.3350099	-2988103.0604800065	699848.6556624953
381.1	237.79999999999999	5110657938.00738895	2983079.2697395426	6997673.7064273979
381.20000000000000	237.60000000000000	2110471879.22901368	2978059.7024465306	6996499.7449596281
381.3	237.39999999999999	3110285976.99988388	2973044.358600963	6995326.7712591838

381.40000000000000	237.19999999999999	3110100231.31999999	52968033.238202845	-694154.7853260663
381.5	236.99999999999999	7109914642.18936113	2963026.3412521794	692983.7871602766
381.6	236.79999999999999	3109729209.60796805	2958023.6677489593	691813.7767618125
381.70000000000000	236.60000000000000	5109543933.57582074	2953025.217693193	-690644.754130676
381.8	236.4	-109358814.09291886	2948030.9910848704	689476.7192668655
381.90000000000000	236.19999999999999	6109173851.15926257	2943040.9879239965	688309.6721703814
382.0	236.0	-108989044.77485195	2938055.208210575	-687143.6128412249
382.1	235.79999999999999	5108804394.93968679	2933073.6519446	-685978.5412793945
382.20000000000000	235.60000000000000	2108619901.65376735	2928096.3191260756	684814.4574848912
382.3	235.39999999999999	8108435564.91709338	2923123.209754998	-683651.361457714
382.40000000000000	235.19999999999999	3108251384.72966504	2918154.323831369	-682489.2531978636
382.5	234.99999999999999	7108067361.09148227	2913189.661355192	-681328.1327053404
382.6	234.79999999999999	3107883494.00254504	2908229.222326461	-680167.9999801434
382.70000000000000	234.60000000000000	5107699783.46285355	2903273.006745183	-679008.8550222737
382.8	234.4	-107516229.4724075	2898321.0146113494	677850.69783173
382.90000000000000	234.19999999999999	6107332832.03120703	2893373.2459249655	676693.5284085132
383.0	234.0	-107149591.13925225	2888429.700686032	-675537.3467526232
383.1	233.79999999999999	5106966506.79654294	2883490.378894546	-674382.1528640597
383.20000000000000	233.60000000000000	2106783579.00307934	2878555.280550511	-673227.9467428235
383.3	233.39999999999999	8106600807.75886117	2873624.4056539224	672074.7283889132
383.40000000000000	233.19999999999999	3106418193.06388864	2868697.7542047827	670922.4978023296
383.5	233.0	-106235734.91816172	2863775.326203095	-669771.2549830734
383.6	232.79999999999999	5106053433.32168035	2858857.121648852	-668620.999931143
383.70000000000000	232.6	-105871288.27444464	2853943.1405420615	667471.7326465403
383.8	232.39999999999999	5105689299.77645442	2849033.3828827175	666323.4531292634
383.90000000000000	232.19999999999999	-105507467.82770978	2844127.848670823	-665176.1613793134
384.0	232.00000000000000	3105325792.42821085	2839226.5379063804	664029.8573966909

384.1	231.79999999999999	5105144273.57795733	2834329.450589382	-662884.541181394
384.20000000000000	231.60000000000000	2104962911.27694955	2829436.586719836	-661740.2127334245
384.3	231.39999999999999	8104781705.52518725	2824547.946297737	-660596.8720527813
384.40000000000000	231.19999999999999	3104600656.32267052	2819663.529323085	-659454.5191394645
384.5	231.0	-104419763.66939947	2814783.335795887	-658313.1539934754
384.6	230.79999999999999	5104239027.56537394	2809907.3657161333	-657172.776614812
384.70000000000000	230.60000000000000	2104058448.01059407	2805035.6190838325	-656033.3870034761
384.8	230.39999999999999	8103878025.00505967	2800168.095898978	-654894.9851594662
384.90000000000000	230.19999999999999	3103697758.54877086	2795304.7961615715	-653757.571082783
385.0	230.0	-103517648.64172772	2790445.719871616	-652621.144773427
385.1	229.79999999999999	5103337695.28393006	2785590.8670291076	-651485.7062313972
385.20000000000000	229.60000000000000	2103157898.47537813	2780740.237634051	-650351.2554566949
385.3	229.39999999999999	8102978258.21607165	2775893.831686441	-649217.7924493183
385.40000000000000	229.19999999999999	3102798774.50601073	2771051.649186279	-648085.3172092687
385.5	229.0	-102619447.34519555	2766213.6901335684	-646953.829736546
385.6	228.79999999999999	5102440276.73362578	2761379.9545283047	-645823.3300311497
385.70000000000000	228.60000000000000	2102261262.67130174	2756550.442370492	-644693.8180930808
385.8	228.39999999999999	8102082405.1582232	2751725.153660126	-643565.2939223377
385.90000000000000	228.19999999999999	3101903704.19439022	2746904.088397209	-642437.7575189215
386.0	228.0	-101725159.77980292	2742087.246581743	-641311.2088828324
386.1	227.79999999999999	5101546771.91446109	2737274.628213723	-640185.6480140694
386.20000000000000	227.60000000000000	2101368540.59836496	2732466.233293155	-639061.0749126337
386.3	227.39999999999999	8101190465.83151434	2727662.0618200335	-637937.4895785241
386.40000000000000	227.19999999999999	3101012547.61390926	2722862.1137943617	-636814.8920117415
386.5	227.0	-100834785.94554985	2718066.3892161404	-635693.2822122859
386.6	226.79999999999999	5100657180.826436	-2713274.8880853653	-634572.6601801565
386.70000000000000	226.60000000000000	2100479732.25656772	2708487.6104020416	-633453.0259153543



386.8	226.39999999999999	8100302440.235945	-2703704.5561661636	632334.379417878
386.90000000000000	226.19999999999999	3100125304.7645678	72698925.7253777366	631216.7206877288
387.0	226.0	-99948325.84243637	-2694151.11803676	-630100.0497249067
387.1	225.79999999999999	599771503.46955043	-2689380.734143229	-628984.3665294107
387.20000000000000	225.60000000000000	299594837.6459101	-2684614.57369715	-627869.671101242
387.3	225.39999999999999	899418328.37151529	-2679852.6366985175	626755.9634403993
387.40000000000000	225.19999999999999	399241975.64636604	-2675094.9231473333	625643.2435468832
387.5	225.0	-99065779.4704625	-2670341.4330436015	624531.5114206946
387.6	224.79999999999999	598889739.84380442	-2665592.1663873154	623420.767061832
387.70000000000000	224.60000000000000	298713856.76639202	-2660847.123178481	-622311.0104702968
387.8	224.39999999999999	898538130.23822512	-2656106.3034170927	621202.2416460876
387.90000000000000	224.19999999999999	398362560.25930381	-2651369.707103153	-620094.460589205
388.0	224.0	-98187146.82962815	-2646637.334236665	-618987.6672996497
388.1	223.79999999999999	598011889.94919801	-2641909.1848176247	617881.8617774209
388.20000000000000	223.60000000000000	297836789.61801353	-2637185.2588460343	616777.0440225189
388.3	223.39999999999999	897661845.83607458	-2632465.5563218906	615673.214034943
388.40000000000000	223.19999999999999	397487058.60338114	-2627750.0772451954	614570.371814694
388.5	223.0	-97312427.91993341	-2623038.821615952	-613468.5173617724
388.6	222.79999999999999	5971137953.78573118	-2618331.789434155	-612367.6506761765
388.70000000000000	222.60000000000000	296963636.20077461	-2613628.9806998097	611267.7717579083
388.8	222.39999999999999	896789475.16506355	-2608930.395412911	-610168.8806069661
388.90000000000000	222.19999999999999	396615470.67859803	-2604236.0335734603	609070.9772233504
389.0	222.0	-96441622.74137825	-2599545.8951814612	607974.061607062
389.1	221.79999999999999	596267931.3534039	-2594859.980236909	-606878.1337580997
389.20000000000000	221.60000000000000	296094396.51467527	-2590178.288739808	-605783.1936764648
389.3	221.39999999999999	895921018.22519214	-2585500.8206901536	604689.2413621561
389.40000000000000	221.19999999999999	395747796.48495455	-2580827.5760879475	603596.2768151738

389.5	221.0	-95574731.29396264	-2576158.554933192	-7602504.3000355188
389.6	220.79999999999999	595401822.65221624	-2571493.757225885	-601413.3110231902
389.70000000000000	220.60000000000000	295229070.55971554	-2566833.182966029	-600323.3097781888
389.8	220.39999999999999	895056475.01646028	-2562176.832153618	-599234.2963005132
389.90000000000000	220.19999999999999	394884036.02245061	-2557524.704788657	-598146.2705901646
390.0	220.0	-94711753.57768661	-2552876.800871147	-597059.2326471432
390.1	219.79999999999999	594539627.68216813	-2548233.120401082	-595973.1824714476
390.20000000000000	219.60000000000000	294367658.33589529	-2543593.663378471	-594888.1200630798
390.3	219.39999999999999	894195845.538868	-2538958.429803306	-593804.0454220378
390.40000000000000	219.19999999999999	394024189.29108624	-2534327.419675589	-592720.9585483226
390.5	219.0	-93852689.59255017	-2529700.632995323	-591638.8594419345
390.6	218.79999999999999	593681346.44325958	-2525078.069762504	-590557.7481028727
390.70000000000000	218.60000000000000	293510159.84321466	-2520459.729977136	-589477.624531138
390.8	218.39999999999999	893339129.79241525	-2515845.613639215	-588398.4887267295
390.90000000000000	218.19999999999999	393168256.29086144	-2511235.720748743	-587320.3406896477
391.0	218.0	-92997539.33855328	-2506630.051305723	-586243.1804198932
391.1	217.79999999999999	592826978.93549061	-2502028.605310148	-585167.0079174648
391.20000000000000	217.60000000000000	292656575.0816736	-2497431.382762024	-584091.8231823635
391.3	217.39999999999999	892486327.77710211	-2492838.383661347	-583017.6262145885
391.40000000000000	217.19999999999999	392316237.02177621	-2488249.608008119	-581944.41701414
391.5	217.0	-92146302.81569596	-2483665.055802343	-580872.195581019
391.6	216.79999999999999	591976525.1588612	-2479084.727044014	-579800.961915224
391.70000000000000	216.60000000000000	291806904.05127214	-2474508.621733135	-578730.7160167564
391.8	216.39999999999999	891637439.49292853	-2469936.739869702	-577661.4578856147
391.90000000000000	216.19999999999999	391468131.48383056	-2465369.081453718	-576593.1875217998
392.0	216.0	-91298980.02397825	-2460805.646485187	-575525.9049253123
392.1	215.79999999999999	591129985.1133714	-2456246.434964101	-574459.6100961507

392.20000000000000	215.60000000000000	290961146.75201024	-2451691.446890468	-573394.3030343165
392.3	215.39999999999999	890792464.93989454	-2447140.6822642805	572329.9837398083
392.40000000000000	215.19999999999999	390623939.67702447	-2442594.1410855404	571266.6522126266
392.5	215.0	-90455570.9634001	-2438051.823354254	570204.3084527727
392.6	214.79999999999999	590287358.79902115	-2433513.7290704125	569142.9524602445
392.70000000000000	214.60000000000000	290119303.1838879	-2428979.8582340225	568082.5842350437
392.8	214.39999999999999	889951404.11800016	-2424450.2108450795	567023.203777169
392.90000000000000	214.19999999999999	389783661.60135797	-2419924.786903585	565964.8110866209
393.0	214.0	-89616075.63396148	-2415403.5864095413	564907.4061634
393.1	213.79999999999999	589448646.21581046	-2410886.609362945	563850.9890075054
393.20000000000000	213.60000000000000	289281373.34690516	-2406373.8557638	562795.559618938
393.3	213.39999999999999	889114257.02724534	-2401865.3256121015	561741.1179976969
393.40000000000000	213.19999999999999	388947297.25683106	-2397361.018907852	560687.6641437823
393.5	213.0	-88780494.03566247	-2392860.9356510523	559635.1980571947
393.6	212.79999999999999	588613847.36373939	-2388365.0758417005	558583.7197379337
393.70000000000000	212.60000000000000	288447357.24106196	-2383873.4394798	557533.2291859997
393.8	212.39999999999999	888281023.66763008	-2379386.026565346	556483.726401392
393.90000000000000	212.19999999999999	388114846.6434437	-2374902.83709834	555435.2113841109
394.0	212.0	-87948826.16850305	-2370423.8710787864	554387.684134157
394.1	211.79999999999999	587782962.24280788	-2365949.1285066786	553341.1446515291
394.20000000000000	211.60000000000000	287617254.86635837	-2361478.609382023	552295.592936229
394.3	211.39999999999999	887451704.03915435	-2357012.3137048124	551251.0289882544
394.40000000000000	211.19999999999999	387286309.76119593	-2352550.241475052	550207.4528076068
394.5	211.0	-87121072.03248318	-2348092.392692743	549164.8643942864
394.6	210.79999999999999	586955990.85301591	-2343638.7673578784	548123.2637482919
394.70000000000000	210.60000000000000	286791066.22279432	-2339189.365470468	547082.6508696252
394.8	210.39999999999999	886626298.14181823	-2334744.1870305026	546043.0257582843

394.90000000000000	210.19999999999999	386461686.61008774	-2330303.232037985	545004.3884142699
395.0	210.0	-86297231.62760288	-2325866.500492921	-543966.738837583
395.1	209.79999999999999	586132933.19436355	-2321433.992395302	-542930.0770282219
395.20000000000000	209.60000000000000	285968791.31036983	-2317005.707745134	541894.4029861883
395.3	209.39999999999999	885804805.97562167	-2312581.646542413	540859.7167114809
395.40000000000000	209.19999999999999	385640977.19011909	-2308161.808787142	-539826.0182041001
395.5	209.0	-85477304.95386215	-2303746.194479321	-538793.3074640466
395.6	208.79999999999999	585313789.26685072	-2299334.803618947	-537761.5844913193
395.70000000000000	208.60000000000000	285150430.12908496	-2294927.636206024	536730.8492859191
395.8	208.39999999999999	884987227.5405647	-2290524.692240548	-535701.101847845
395.90000000000000	208.19999999999999	384824181.50129002	-2286125.971722520	534672.3421770977
396.0	208.0	-84661292.01126102	-2281731.474651945	-533644.5702736777
396.1	207.79999999999999	584498559.07047753	-2277341.201028815	-532617.7861375838
396.20000000000000	207.60000000000000	284335982.67893967	-2272955.150853137	-531591.9897688172
396.3	207.39999999999999	884173562.8366473	-2268573.324124904	530567.1811673763
396.40000000000000	207.19999999999999	384011299.54360054	-2264195.720844121	529543.3603332626
396.5	207.0	-83849192.79979949	-2259822.341010790	528520.5272664761
396.6	206.79999999999999	583687242.60524385	-2255453.184624905	-527498.6819670155
396.70000000000000	206.60000000000000	283525448.95993392	-2251088.251686470	526477.824434882
396.8	206.39999999999999	883363811.86386949	-2246727.542195484	-525457.9546700751
396.90000000000000	206.19999999999999	383202331.31705065	-2242371.056151945	524439.0726725947
397.0	206.0	-83041007.31947747	-2238018.793555858	523421.1784424415
397.1	205.79999999999999	582879839.8711498	-2233670.754407217	-522404.2719796143
397.20000000000000	205.60000000000000	282718828.97206777	-2229326.938706028	-521388.3532841145
397.3	205.39999999999999	882557974.62223125	-2224987.346452285	-520373.4223559408
397.40000000000000	205.19999999999999	382397276.82164028	-2220651.977645991	519359.4791950939
397.5	205.0	-82236735.57029502	-2216320.832287148	518346.5238015741

397.6	204.79999999999999	582076350.86819525	-2211993.910375752	-517334.5561753805
397.70000000000000	204.60000000000000	281916122.71534118	-2207671.211911808	-516323.5763165142
397.8	204.39999999999999	881756051.11173257	-2203352.7368953095	-515313.584224974
397.90000000000000	204.19999999999999	381596136.05736955	-2199038.48532626	-514304.5799007605
398.0	204.0	-81436377.55225219	-2194728.457204661	-513296.563343874
398.1	203.79999999999999	581276775.59638032	-2190422.6525305095	-512289.5345543138
398.20000000000000	203.60000000000000	281117330.18975416	-2186121.07130381	-511283.4935320812
398.3	203.39999999999999	880958041.33237348	-2181823.7135245555	-510278.4402771743
398.40000000000000	203.19999999999999	380798909.02423836	-2177530.5791927506	-509274.3747895942
398.5	203.0	-80639933.26534891	-2173241.668308397	-508271.2970693413
398.6	202.79999999999999	580481114.05570498	-2168956.9808714895	-507269.2071164145
398.70000000000000	202.60000000000000	280322451.39530672	-2164676.516882034	-506268.1049308152
398.8	202.39999999999999	880163945.28415392	-2160400.276340024	-505267.9905125417
398.90000000000000	202.19999999999999	380005595.72224675	-2156128.259245464	-504268.8638615953
399.0	202.0	-79847402.7095852	-2151860.4655983546	-503270.7249779758
399.1	201.79999999999999	579689366.2461692	-2147596.8953986918	-502273.5738616825
399.20000000000000	201.60000000000000	279531486.33199885	-2143337.548646481	-501277.4105127165
399.3	201.39999999999999	879373762.96707398	-2139082.425341716	-500282.2349310767
399.40000000000000	201.19999999999999	379216196.1513947	-2134831.5254843994	-499288.0471167634
399.5	201.0	-79058785.88496108	-2130584.8490745346	-498294.8470697774
399.6	200.79999999999999	578901532.16777298	-2126342.396112117	-497302.6347901177
399.70000000000000	200.60000000000000	278744434.99983053	-2122104.166597149	-496311.4102777849
399.8	200.39999999999999	878587494.38113357	-2117870.160529629	-495321.1735327786
399.90000000000000	200.19999999999999	378430710.31168224	-2113640.3779095574	-494331.9245550988
400.0	200.0	-78274082.79147655	-2109414.818736937	-493343.6633447463
400.1	199.79999999999999	578117611.82051633	-2105193.483011764	-492356.3899017201
400.20000000000000	199.60000000000000	277961297.39880182	-2100976.370734041	-491370.1042260209

400.3	199.39999999999999	877805139.52633277	-2096763.481903765	-490384.8063176478
400.40000000000000	199.19999999999999	377649138.20310931	-2092554.816520937	7489400.4961766015
400.5	199.0	-77493293.42913157	-2088350.374585562	2488417.1738028825
400.6	198.79999999999999	577337605.20439929	-2084150.156097633	-487434.8391964896
400.70000000000000	198.60000000000000	277182073.52891268	-2079954.161057154	9486453.4923574239
400.8	198.39999999999999	877026698.40267155	-2075762.389464123	6485473.1332856844
400.90000000000000	198.19999999999999	376871479.82567601	-2071574.841318541	2484493.7619812715
401.0	198.0	-76716417.79792619	-2067391.516620410	4483515.3784441859
401.1	197.79999999999999	576561512.31942178	-2063212.415369724	9482537.9826744264
401.20000000000000	197.60000000000000	276406763.3901631	-2059037.537566491	2481561.5746719941
401.3	197.39999999999999	876252171.01014988	-2054866.883210704	2480586.1544368880
401.40000000000000	197.19999999999999	376097735.17938225	-2050700.452302366	3479611.7219691087
401.5	197.0	-75943455.89786035	-2046538.24484148	-478638.2772686566
401.6	196.79999999999999	575789333.16558388	-2042380.260828039	6477665.8203355305
401.70000000000000	196.60000000000000	275635366.9825531	-2038226.500262050	7476694.3511697318
401.8	196.39999999999999	875481557.34876782	-2034076.963143508	-475723.8697712591
401.90000000000000	196.19999999999999	375327904.2642281	-2029931.649472414	5474754.3761401131
402.0	196.0	-75174407.72893406	-2025790.559248772	-473785.8702762944
402.1	195.79999999999999	575021067.74288553	-2021653.692472576	-472818.3521798017
402.20000000000000	195.60000000000000	274867884.30608265	-2017521.049143831	5471851.8218506364
402.3	195.39999999999999	874714857.41852531	-2013392.629262533	7470886.2792887973
402.40000000000000	195.19999999999999	374561987.08021352	-2009268.432828685	-469921.7244942849
402.5	195.0	-74409273.29114738	-2005148.459842286	8468958.1574670995
402.6	194.79999999999999	574256716.05132675	-2001032.710303335	5467995.5782072404
402.70000000000000	194.60000000000000	274104315.36075182	-1996921.184211836	-467033.9867147086
402.8	194.39999999999999	873952071.21942234	-1992813.881567782	-466073.3829895027
402.90000000000000	194.19999999999999	373799983.6273385	-1988710.802371177	4465113.7670316236

403.0	194.0	-73648052.58450027	-1984611.9466220243	4164155.1388410719
403.1	193.79999999999999	573496278.09090756	-1980517.3143203172	2163197.4984178463
403.2000000000000000	193.60000000000000	273344660.14656053	-1976426.905466062	-462240.8457619478
403.3	193.39999999999999	873193198.75145899	-1972340.720059253	-461285.1808733755
403.4000000000000000	193.19999999999999	373041893.90560304	-1968258.7580998924	4160330.5037521298
403.5	193.0	-72890745.60899273	-1964181.0195879838	4159376.8143982115
403.6	192.79999999999999	572739753.86162795	-1960107.5045235213	4158424.1128116192
403.7000000000000000	192.60000000000000	272588918.66350885	-1956038.21290651	-457472.3989923541
403.8	192.39999999999999	872438240.0146352	-1951973.1447369459	4156521.6729404154
403.9000000000000000	192.19999999999999	372287717.91500716	-1947912.3000148307	4155571.9346558033
404.0	192.0	-72137352.36462477	-1943855.678740166	-454623.1841385183
404.1	191.79999999999999	571987143.3634879	-1939803.2809129478	4153675.4213885595
404.2000000000000000	191.60000000000000	271837090.91159669	-1935755.106533181	4152728.6464059279
404.3	191.39999999999999	871687195.00895098	-1931711.155600861	-451782.8591906224
404.4000000000000000	191.19999999999999	371537455.65555085	-1927671.4281159898	4150838.0597426438
404.5	191.0	-71387872.85139638	-1923635.92407857	-449894.2480619923
404.6	190.79999999999999	571238446.59648742	-1919604.6434885974	4148951.424148667
404.7000000000000000	190.60000000000000	271089176.89082412	-1915577.5863460747	4148009.5880026688
404.8	190.39999999999999	870940063.73440632	-1911554.7526509985	4147068.7396239968
404.9000000000000000	190.19999999999999	370791107.1272341	-1907536.1424033726	4146128.8790126517
405.0	190.0	-70642307.0693076	-1903521.7556031973	4145190.0061686336
405.1	189.79999999999999	570493663.56062652	-1899511.5922504682	4144252.1210919417
405.2000000000000000	189.60000000000000	270345176.60119115	-1895505.6523451903	4143315.223782577
405.3	189.39999999999999	870196846.19100127	-1891503.9358873593	4142379.3142405385
405.4000000000000000	189.19999999999999	370048672.33005695	-1887506.4428769774	4141444.3924658266
405.5	189.0	-69900655.01835835	-1883513.1733140466	4140510.4584584422
405.6	188.79999999999999	569752794.25590521	-1879524.1271985627	4139577.5122183838

405.70000000000000000000	188.60000000000000000000	269605090.04269774	-1875539.3045305288	4138645.5537456524
405.8	188.39999999999999999999	869457542.37873578	-1871558.7053099424	4137714.5830402474
405.90000000000000000000	188.19999999999999999999	369310151.26401938	-1867582.3295368047	4136784.6001021691
406.0	188.0	-69162916.69854867	-1863610.1772111184	4135855.6049314179
406.1	187.79999999999999999999	569015838.68232346	-1859642.248332879	4134927.597527993
406.20000000000000000000	187.60000000000000000000	268868917.2153439	-1855678.5429020894	4134000.577891895
406.3	187.39999999999999999999	868722152.29760985	-1851719.0609187474	4133074.5460231235
406.40000000000000000000	187.19999999999999999999	368575543.92912139	-1847763.8023828543	4132149.5019216786
406.5	187.0	-68429092.10987858	-1843812.767294412	4131225.4455875608
406.6	186.79999999999999999999	568282796.83988127	-1839865.9556534167	4130302.3770207693
406.70000000000000000000	186.60000000000000000000	268136658.11912964	-1835923.367459873	4129380.2962213051
406.8	186.39999999999999999999	867990675.94762352	-1831985.0027137755	4128459.2031891668
406.90000000000000000000	186.19999999999999999999	367844850.32536297	-1828050.8614151266	4127539.0979243553
407.0	186.0	-67699181.25234807	-1824120.9435639286	4126619.9804268710
407.1	185.79999999999999999999	567553668.72857867	-1820195.2491601778	4125701.8506967129
407.20000000000000000000	185.60000000000000000000	267408312.75405496	-1816273.7782038786	4124784.7087338822
407.3	185.39999999999999999999	867263113.32877672	-1812356.5306950253	4123868.5545383774
407.40000000000000000000	185.19999999999999999999	367118070.45274411	-1808443.5066336212	4122953.3881101994
407.5	185.0	-66973184.12595712	-1804534.7060196684	4122039.2094493487
407.6	184.79999999999999999999	566828454.348415636	-1800630.128853162	4121126.018555824
407.70000000000000000000	184.60000000000000000000	266683881.12011984	-1796729.7751341062	4120213.8154296265
407.8	184.39999999999999999999	866539464.441069536	-1792833.644862498	4119302.6000707552
407.90000000000000000000	184.19999999999999999999	366395204.3112648	-1788941.7380383385	4118392.3724792108
408.0	184.0	-66251100.73070574	-1785054.054661629	4117483.1326549932
408.1	183.79999999999999999999	566107153.699392185	-1781170.5947323677	4116574.8805981021
408.20000000000000000000	183.60000000000000000000	265963363.21732429	-1777291.3582505572	4115667.6163085382
408.3	183.39999999999999999999	865819729.28450191	-1773416.3452161932	4114761.3397863004



408.40000000000000	183.19999999999999	365676251.90092509	-1769545.5556292776	4113856.0510313892
408.5	183.0	-65532931.066593945	1765678.9894898133	4112951.7500438052
408.6	182.79999999999999	565389766.78150829	-1761816.6467977962	4112048.4368235475
408.70000000000000	182.60000000000000	265246759.04566832	-1757958.5275532296	4111146.1113706169
408.8	182.39999999999999	865103907.859073825	1754104.6317561097	4110244.7736850125
408.90000000000000	182.19999999999999	364961213.22172493	-1750254.9594064392	4109344.4237667348
409.0	182.0	-64818675.13362171	-1746409.5105042197	4108445.0616157844
409.1	181.79999999999999	564676293.59476399	-1742568.2850494466	4107546.6872321600
409.20000000000000	181.60000000000000	264534068.60515192	-1738731.2830421252	4106649.3006158630
409.3	181.39999999999999	864392000.16478537	-1734898.50448225	-405752.9017668921
409.40000000000000	181.19999999999999	364250088.27366436	-1731069.9493698236	4104857.4906852478
409.5	181.0	-64108332.931789085	1727245.617704849	-403963.067370931
409.6	180.79999999999999	563966734.13915926	-1723425.5094873202	4103069.6318239401
409.70000000000000	180.60000000000000	263825291.89577511	-1719609.624717243	-402177.1840442763
409.8	180.39999999999999	863684006.20163646	-1715797.9633946123	4101285.7240319389
409.90000000000000	180.19999999999999	363542877.05674338	-1711990.52551943	-400395.251786928
410.0	180.0	-63401904.461096	-1708187.3110917003	399505.7673092446
410.1	179.79999999999999	563261088.414694116	1704388.3201114163	398617.2705988872
410.20000000000000	179.60000000000000	263120428.91753787	-1700593.552578583	397729.7616558569
410.3	179.39999999999999	862979925.969627135	1696803.0084931972	396843.2404801529
410.40000000000000	179.19999999999999	362839579.57096198	-1693016.6878552597	395957.7070717756
410.5	179.0	-62699389.72154249	-1689234.590664774	-395073.1614307256
410.6	178.79999999999999	562559356.421368524	1685456.7169217344	394189.6035570015
410.70000000000000	178.60000000000000	262419479.670440175	1681683.0666261457	393307.0334506048
410.8	178.39999999999999	862279759.468757376	1677913.639778004	-392425.4511115342
410.90000000000000	178.19999999999999	362140195.81632016	-1674148.4363773114	391544.8565397903
411.0	178.0	-62000788.71312859	-1670387.4564240696	390665.2497353736

411.1	177.79999999999999	561861538.15918248	-1666630.6999182743	389786.6306982829
411.2000000000000005	177.60000000000000	261722444.1544821	-1662878.166859931	-388908.9994285198
411.3	177.39999999999999	361583506.69902718	-1659129.8572490336	388032.3559260826
411.4000000000000003	177.19999999999999	361444725.7928178761	1655385.7710855852	387156.7001909722
411.5	177.0	-61306101.435854204	1651645.9083695882	386282.0322231889
411.6	176.79999999999999	561167633.62813607	-1647910.2691010376	385408.3520227318
411.7000000000000005	176.60000000000000	261029322.369663574	1644178.8532799382	384535.659589602
411.8	176.39999999999999	360891167.6604365861	1640451.6609062857	383663.9549237984
411.9000000000000003	176.19999999999999	360753169.50045517	-1636728.6919800816	382793.2380253213
412.0	176.0	-60615327.88971943	-1633009.946501329	-381923.5088941716
412.1	175.79999999999999	560477642.82822919	-1629295.424470023	-381054.7675303479
412.2000000000000005	175.60000000000000	260340114.31598463	-1625585.1258861686	-380187.0139338516
412.3	175.39999999999999	360202742.352985546	1621879.0507497604	379320.2481046814
412.4000000000000003	175.19999999999999	360065526.9392320661	1618177.199060801	-378454.4700428378
412.5	175.0	-59928468.07472421	-1614479.5708192925	377589.6797483214
412.6	174.79999999999999	559791565.7594618951	1610786.166025231	-376725.8772211312
412.7000000000000005	174.60000000000000	259654819.9934452251	1607096.9846786207	375863.0624612683
412.8	174.39999999999999	359518230.7766741	-1603412.026779457	-375001.2354687315
412.9000000000000003	174.19999999999999	359381798.1091485	-1599731.2923277426	374140.3962435215
413.0	174.0	-59245521.9908686	-1596054.7813234783	373280.5447856385
413.1	173.79999999999999	559109402.42183419	-1592382.4937666613	372421.6810950818
413.2000000000000005	173.60000000000000	258973439.40204542	-1588714.429657295	-371563.8051718522
413.3	173.39999999999999	358837632.93150218	-1585050.588995376	-370706.9170159489
413.4000000000000003	173.19999999999999	358701983.01020454	-1581390.9717809055	369851.0166273722
413.5	173.0	-58566489.63815253	-1577735.5780138867	368996.1040061228
413.6	172.79999999999999	558431152.81534605	-1574084.4076943144	368142.1791521996
413.7000000000000005	172.60000000000000	258295972.54178519	-1570437.4608221925	367289.2420656035

413.8	172.39999999999999	358160948.81746987	-1566794.737397517	366437.2927463336
413.90000000000000	172.19999999999999	358026081.64240012	-1563156.237420291	365586.3311943903
414.0	172.0	-57891371.016576044	1559521.960890517	364736.3574097745
414.1	171.79999999999999	357756816.93999748	-1555891.9078081895	363887.3713924846
414.20000000000000	171.60000000000000	257622419.41266455	-1552266.078173312	363039.3731425219
414.3	171.39999999999999	357488178.43457714	-1548644.471985882	362192.3626598855
414.40000000000000	171.19999999999999	357354094.0057353	-1545027.089245901	361346.3399445758
414.5	171.0	-57220166.12613914	1541413.9299533705	360501.3049965932
414.6	170.79999999999999	357086394.795788474	1537804.9941082874	359657.2578159369
414.70000000000000	170.60000000000000	256952780.01468346	-1534200.2817106543	358814.1984026076
414.8	170.39999999999999	356819321.782823965	1530599.7927604686	357972.1267566046
414.90000000000000	170.19999999999999	356686020.100210056	1527003.5272577317	357131.0428779283
415.0	170.0	-56552874.9668418	-1523411.4852024456	356290.9467665792
415.1	169.79999999999999	356419886.382719055	1519823.6665946073	355451.8384225564
415.20000000000000	169.60000000000000	256287054.34784196	-1516240.071434219	354613.7178458606
415.3	169.39999999999999	356154378.86221038	-1512660.6997212775	353776.585036491
415.40000000000000	169.19999999999999	356021859.92582438	-1509085.5514557853	352940.4399944482
415.5	169.0	-55889497.53868402	-1505514.6266377436	352105.2827197325
415.6	168.79999999999999	355757291.70078919	-1501947.9252671488	351271.1132123429
415.70000000000000	168.60000000000000	255625242.41214003	-1498385.447344006	350437.9314722808
415.8	168.39999999999999	355493349.67273637	-1494827.1928683093	349605.7374995447
415.90000000000000	168.19999999999999	355361613.48257826	-1491273.1618400612	348774.5312941352
416.0	168.0	-55230033.84166585	-1487723.3542592642	347944.312856053
416.1	167.79999999999999	355098610.74999892	-1484177.7701259144	347115.082185297
416.20000000000000	167.60000000000000	254967344.20757767	-1480636.409440015	346286.8392818681
416.3	167.39999999999999	354836234.214401916	1477099.272201563	345459.5841457656
416.40000000000000	167.19999999999999	354705280.77047174	-1473566.3584105594	344633.3167769895

416.5	167.0	-54574483.87578722	-1470037.668067007	-343808.0371755407
416.6	166.79999999999999	554443843.53034822	-1466513.201170901	342983.7453414181
416.70000000000000	166.60000000000000	254313359.73415488	-1462992.9577222468	342160.4412746228
416.8	166.39999999999999	854183032.48720704	-1459476.9377210394	341338.1249751536
416.90000000000000	166.19999999999999	354052861.78950478	-1455965.1411672807	340516.7964430111
417.0	166.0	-53922847.64104819	-1452457.5680609723	339696.4556781957
417.1	165.79999999999999	553792990.04183709	-1448954.2184021112	338877.1026807066
417.20000000000000	165.60000000000000	253663288.99187168	-1445455.0921907013	338058.7374505447
417.3	165.39999999999999	853533744.49115174	-1441960.189426738	337241.3599877090
417.40000000000000	165.19999999999999	353404356.53967741	-1438469.5101102237	336424.9702921999
417.5	165.0	-53275125.13744871	-1434983.0542411597	335609.5683640179
417.6	164.79999999999999	553146050.28446554	-1431500.8218195436	334795.1542031623
417.70000000000000	164.60000000000000	253017131.98072801	-1428022.8128453775	333981.7278096337
417.8	164.39999999999999	852888370.22623601	-1424549.0273186588	333169.2891834315
417.90000000000000	164.19999999999999	352759765.02098960	-1421079.4652393893	332357.8383245559
418.0	164.0	-52631316.36498882	-1417614.1266075703	331547.3752330075
418.1	163.79999999999999	552503024.25823357	-1414153.011423198	330737.8999087852
418.20000000000000	163.60000000000000	252374888.70072395	-1410696.119686277	329929.4123518902
418.3	163.39999999999999	852246909.69245987	-1407243.4513968024	329121.9125623213
418.40000000000000	163.19999999999999	352119087.23344136	-1403795.0065547773	328315.4005400791
418.5	163.0	-51991421.32366851	-1400350.7851602028	327509.8762851642
418.6	162.79999999999999	551863911.96314116	-1396910.7872130752	326705.3397975754
418.70000000000000	162.60000000000000	251736559.15185945	-1393475.012713398	325901.7910773136
418.8	162.39999999999999	851609362.88982328	-1390043.461661168	325099.2301243783
418.90000000000000	162.19999999999999	351482323.17703269	-1386616.1340563877	324297.6569387697
419.0	162.0	-51355440.01348777	-1383193.0298990577	323497.0715204881
419.1	161.79999999999999	551228713.39918833	-1379774.1491891746	322697.4738695328

419.20000000000000000000	161.600000000000000000	251102143.33413454	-1376359.491926742	-321898.8639859045
419.3	161.399999999999999999	850975729.81832629	-1372949.0581117568	821101.2418696025
419.40000000000000000000	161.199999999999999999	350849472.85176361	-1369542.8477442204	420304.6075206274
419.5	161.0	-50723372.4344465961	366140.860824135	-319508.9609389792
419.6	160.799999999999999999	550597428.56637507	-1362743.0973514966	318714.3021246574
419.70000000000000000000	160.600000000000000000	250471641.24754921	-1359349.557326309	-317920.6310776627
419.8	160.399999999999999999	850346010.477968864	355960.2407485673	17127.9477979941
419.90000000000000000000	160.199999999999999999	350220536.25763409	-1352575.1476182758	16336.2522856522
420.0	160.0	-50095218.58654499	-1349194.2779354353	15545.5445406377
420.1	159.799999999999999999	549970057.464701384	345817.631700041	-314755.8245629493
420.20000000000000000000	159.600000000000000000	249845052.89210345	-1342445.2089120974	13967.0923525879
420.3	159.399999999999999999	849720204.868751	-1339077.0095716014	13179.347909553
420.40000000000000000000	159.199999999999999999	349595513.394644156	335713.0336785538	12392.5912338445
420.5	159.0	-49470978.46978295	-1332353.2812329573	11606.8223254633
420.6	158.799999999999999999	549346600.09416727	-1328997.7522348075	10822.0411844083
420.70000000000000000000	158.600000000000000000	249222378.26779724	-1325646.4466841088	10038.2478106805
420.8	158.399999999999999999	849098312.99067273	-1322299.364580857	-309255.4422042789
420.90000000000000000000	158.199999999999999999	348974404.26279379	-1318956.5059250544	8473.6243652041
421.0	158.0	-48850652.0841605	-1315617.8707167017	307692.7942934562
421.1	157.799999999999999999	548727056.45477273	-1312283.4589557967	306912.9519890346
421.20000000000000000000	157.600000000000000000	248603617.37463063	-1308953.2706423425	306134.0974519402
421.3	157.399999999999999999	848480334.84373403	-1305627.3057763353	305356.2306821722
421.40000000000000000000	157.199999999999999999	348357208.862083	-1302305.564357777	-304579.3516797307
421.5	157.0	-48234239.42967763	-1298988.046386669	-303803.4604446162
421.6	156.799999999999999999	548111426.54651776	-1295674.7518630084	303028.5569768282
421.70000000000000000000	156.600000000000000000	247988770.212603584	292365.6807867987	302254.6412763673
421.8	156.399999999999999999	847866270.42793489	-1289060.8331580358	301481.7133432326

421.90000000000000000000	156.19999999999999999999	347743927.19251178	-1285760.2089767223	300709.7731774247
422.0	156.0	-47621740.506334335	1282463.8082428586	299938.8207789437
422.1	155.79999999999999999999	547499710.369402386	1279171.6309564428	299168.8561477891
422.20000000000000000000	155.60000000000000000000	247377836.7817161	-1275883.6771174772	298399.8792839615
422.3	155.39999999999999999999	847256119.74327534	-1272599.9467259587	297631.8901874603
422.40000000000000000000	155.19999999999999999999	347134559.25408015	-1269320.4397818898	296864.8888582858
422.5	155.0	-47013155.314130604	1266045.1562852706	296098.8752964383
422.6	154.79999999999999999999	546891907.92342656	-1262774.0962360988	295333.8495019171
422.70000000000000000000	154.60000000000000000000	246770817.08196819	-1259507.259634378	294569.811474723
422.8	154.39999999999999999999	846649882.78975533	-1256244.646480104	293806.7612148552
422.90000000000000000000	154.19999999999999999999	346529105.04678806	-1252986.2567732788	293044.698722314
423.0	154.0	-46408483.853066444	1249732.090513905	292283.623997100
423.1	153.79999999999999999999	546288019.20859033	-1246482.147701978	291523.5370392124
423.20000000000000000000	153.60000000000000000000	246167711.11335986	-1243236.4283375014	290764.4378486518
423.3	153.39999999999999999999	846047559.56737492	-1239994.9324204717	290006.3264254173
423.40000000000000000000	153.19999999999999999999	345927564.570635565	-1236757.6599508917	289249.2027695097
423.5	153.0	-45807726.123141855	1233524.610928762	288493.0668809291
423.6	152.79999999999999999999	545688044.224893674	-1230295.7853540794	287737.918759675
423.70000000000000000000	152.60000000000000000000	245568518.875891104	-1227071.1832268473	286983.7584057477
423.8	152.39999999999999999999	845449150.07613409	-1223850.8045470626	286230.5858191469
423.90000000000000000000	152.19999999999999999999	345329937.82562264	-1220634.6493147262	285478.4009998726
424.0	152.0	-45210882.12435686	1217422.7175298417	284727.2039479256
424.1	151.79999999999999999999	545091982.97233656	-1214215.0091924032	283976.9946633046
424.20000000000000000000	151.60000000000000000000	244973240.36956194	-1211011.5243024155	283227.7731460109
424.3	151.39999999999999999999	844854654.31603281	-1207812.262859875	282479.5393960434
424.40000000000000000000	151.19999999999999999999	344736224.8117493	-1204617.2248647835	281732.2934134027
424.5	151.0	-44617951.856711425	1201426.4103171432	280986.0351980891

424.6	150.79999999999999	544499835.45091906	-1198239.8192169496	280240.7647501017
424.70000000000000	150.60000000000000	244381875.59437234	-1195057.4515642063	279496.4820694414
424.8	150.39999999999999	844264072.28707114	-1191879.30735891	-278753.1871561073
424.90000000000000	150.19999999999999	344146425.52901552	-1188705.3866010634	278010.8800101
425.0	150.0	-44028935.32020555	-1185535.6892906672	277269.5606314198
425.1	149.79999999999999	543911601.66064108	-1182370.215427718	-276529.2290200658
425.20000000000000	149.60000000000000	243794424.550322294	-1179208.9650122195	275789.8851760390
425.3	149.39999999999999	843677403.98924901	-1176051.938044168	-275051.5290993385
425.40000000000000	149.19999999999999	343560539.97742131	-1172899.1345235656	274314.1607899646
425.5	149.0	-43443832.51483926	-1169750.554450414	-273577.7802479178
425.6	148.79999999999999	543327281.601502724	-1166606.1978247087	272842.3874731973
425.70000000000000	148.60000000000000	243210887.23741184	-1163466.064646455	-272107.982465804
425.8	148.39999999999999	843094649.42256647	-1160330.1549156483	271374.5652257369
425.90000000000000	148.19999999999999	342978568.15696669	-1157198.4686322904	270642.1357529965
426.0	148.0	-42862643.44061255	-1154071.0057963824	269910.6940475830
426.1	147.79999999999999	542746875.27350393	-1150947.7664079224	269180.2401094960
426.20000000000000	147.60000000000000	242631263.65564097	-1147828.7504669132	268450.7739387362
426.3	147.39999999999999	842515808.58702352	-1144713.9579733505	267722.2955353025
426.40000000000000	147.19999999999999	342400510.067651644	-1141603.3889272374	266994.8048991955
426.5	147.0	-42285368.09752541	-1138497.0433285742	266268.3020304156
426.6	146.79999999999999	542170382.67664471	-1135394.9211773584	265542.7869289619
426.70000000000000	146.60000000000000	242055553.805009656	-1132297.0224735935	264818.2595948355
426.8	146.39999999999999	841940881.48262013	-1129203.3472172755	264094.7200280353
426.90000000000000	146.19999999999999	341826365.709476165	-1126113.8954084064	263372.1682285617
427.0	146.0	-41712006.48557785	-1123028.667046988	262650.6041964153
427.1	145.79999999999999	541597803.81092506	-1119947.6621330166	261930.0279315951
427.20000000000000	145.60000000000000	241483757.68551791	-1116870.8806649622	261210.4394341021

427.3	145.39999999999999	341369868.109356284	1113798.3226474228	260491.8387039353
427.40000000000000	145.19999999999999	341256135.08244025	-1110729.988075798	259774.2257410952
427.5	145.0	-41142558.60476986	-1107665.876951624	259057.6005455823
427.6	144.79999999999999	541029138.67634499	-1104605.9892748976	258341.9631173956
427.70000000000000	144.60000000000000	240915875.29716575	-1101550.3250456213	257627.3134565359
427.8	144.39999999999999	340802768.46723203	-1098498.8842637923	256913.6515630026
427.90000000000000	144.19999999999999	340689818.18654391	-1095451.666929412	256200.9774367960
428.0	144.0	-40577024.45510144	51092408.673042483	255489.2910779165
428.1	143.79999999999999	540464387.27290448	-1089369.9026030009	254778.5924863632
428.20000000000000	143.60000000000000	240351906.639953168	1086335.3556109688	254068.8816621370
428.3	143.39999999999999	340239582.55624736	-1083305.0320663846	253360.1586052372
428.40000000000000	143.19999999999999	340127415.02178715	-1080278.9319692492	252652.4233156640
428.5	143.0	-40015404.0365726	-1077257.055319564	251945.6757934179
428.6	142.79999999999999	539903549.60060355	-1074239.4021173266	251239.9160384981
428.70000000000000	142.60000000000000	239791851.71388015	-1071225.9723625395	250535.1440509054
428.8	142.39999999999999	339680310.37640227	-1068216.7660551993	249831.359830639
428.90000000000000	142.19999999999999	339568925.58816997	-1065211.7831953082	249128.5633776992
429.0	142.0	-39457697.34918333	-1062211.0237828682	248426.7546920867
429.1	141.79999999999999	539346625.65944219	41059214.4878178749	247725.9337738003
429.20000000000000	141.60000000000000	239235710.51894671	-1056222.175300332	247026.1006228410
429.3	141.39999999999999	339124951.92769674	-1053234.0862302366	246327.2552392081
429.40000000000000	141.19999999999999	339014349.88569237	-1050250.22060759	245629.3976229018
429.5	141.0	-38903904.39293361	51047270.5784323935	244932.5277739225
429.6	140.79999999999999	538793615.4494204	-1044295.159704645	244236.6456922696
429.70000000000000	140.60000000000000	238683483.05515284	-1041323.9644243469	243541.7513779438
429.8	140.39999999999999	338573507.21013079	-1038356.9925914957	242847.8448309442
429.90000000000000	140.19999999999999	338463687.91435433	-1035394.2442060937	242154.9260512714



430.0	140.0	-38354025.1678235	-1032435.7192681424	241462.9950389257
430.1	139.79999999999999	538244518.9705382	-1029481.4177776377	240772.0517939061
430.20000000000000	5139.60000000000000	238135169.32249855	-1026531.3397345843	240082.0963162139
430.3	139.39999999999999	838025976.22370441	-1023585.485138978	-239393.1286058478
430.40000000000000	5139.19999999999999	337916939.67415585	-1020643.8539908204	238705.1486628084
430.5	139.0	-37808059.67385296	-1017706.4462901133	238018.1564870961
430.6	138.79999999999999	537699336.22279557	-1014773.2620368534	237332.1520787101
430.70000000000000	5138.60000000000000	237590769.320983835	1011844.3012310442	236647.1354376511
430.8	138.39999999999999	837482358.968417615	1008919.5638726823	235963.1065639185
430.90000000000000	5138.19999999999999	337374105.165096976	1005999.0499617694	235280.0654575126
431.0	138.0	-37266007.91102198	-1003082.7594983067	234598.0121184337
431.1	137.79999999999999	537158067.20619251	-1000170.692482291	-233916.9465466811
431.20000000000000	5137.60000000000000	237050283.05060869	-997262.8489137269	-233236.8687422557
431.3	137.39999999999999	836942655.44427038	-994359.2287926092	-232557.7787051565
431.40000000000000	5137.19999999999999	336835184.38717766	-991459.8321189405	-231879.6764353840
431.5	137.0	-36727869.879330575	-988564.6588927223	-231202.5619329386
431.6	136.79999999999999	536620711.92072902	-985673.7091139514	-230526.4351978195
431.70000000000000	5136.60000000000000	236513710.5113731	-982786.982782631	-229851.2962300274
431.8	136.39999999999999	836406865.65126272	-979904.4798987582	-229177.1450295617
431.90000000000000	5136.19999999999999	336300177.34039792	-977026.2004623339	-228503.9815964226
432.0	136.0	-36193645.57877875	-974152.1444733605	-227831.8059306107
432.1	135.79999999999999	536087270.36640511	-971282.3119318342	-227160.6180321251
432.20000000000000	5135.60000000000000	235981051.70327711	-968416.7028377583	-226490.4179009664
432.3	135.39999999999999	835874989.58939463	-965555.3171911299	-225821.2055371342
432.40000000000000	5135.19999999999999	335769084.02475775	-962698.1549919501	-225152.9809406286
432.5	135.0	-35663335.0093665	-959845.216240221	-224485.7441114500
432.6	134.79999999999999	535557742.54322078	-956996.5009359393	-223819.4950495978

432.7000000000000000	134.6000000000000000	235452306.62632069	-954152.009079108	-223154.2337550727
432.8	134.39999999999999	835347027.25866612	-951311.7406697238	-222489.9602278738
432.9000000000000000	134.19999999999999	335241904.44025715	-948475.6957077887	-221826.6744680016
433.0	134.0	-35136938.17109381	445643.8741933042	-221164.3764754566
433.1	133.79999999999999	535032128.45117602	-942816.2761262669	-220503.0662502379
433.2000000000000000	133.6000000000000000	234927475.28050384	-939992.90150668	-219842.7437923461
433.3	133.39999999999999	834822978.65907719	-937173.7503345401	-219183.4091017807
433.4000000000000000	133.19999999999999	334718638.58689614	-934358.8226098496	-218525.0621785420
433.5	133.0	-34614455.06396072	-931548.1183326099	-217867.7030226305
433.6	132.79999999999999	534510428.09027082	-928741.6375028169	-217211.3316340451
433.7000000000000000	132.6000000000000000	234406557.66582656	-925939.3801204743	-216555.9480127868
433.8	132.39999999999999	834302843.79062783	-923141.3461855793	-215901.5521588549
433.9000000000000000	132.19999999999999	334199286.46467468	-920347.535698133	-215248.1440722496
434.0	132.0	-34095885.68796717	-917557.9486581376	-214595.7237529715
434.1	131.79999999999999	533992641.46050519	-914772.5850655889	-213944.2912010196
434.2000000000000000	131.6000000000000000	233889553.78228886	-911991.4449204914	-213293.8464163948
434.3	131.39999999999999	833786622.65331805	-909214.5282228409	-212644.3893990964
434.4000000000000000	131.19999999999999	333683848.07359281	-906441.8349726392	-211995.9201491245
434.5	131.0	-33581230.04311322	-903673.3651698879	-211348.4386664798
434.6	130.79999999999999	533478768.56187915	-900909.1188145839	-210701.9449511613
434.7000000000000000	130.6000000000000000	233376463.62989073	-898149.0959067306	-210056.4390031700
434.8	130.39999999999999	833274315.24714783	-895393.2964463246	-209411.920822505
434.9000000000000000	130.19999999999999	333172323.41365052	-892641.7204333674	-208768.3904091666
435.0	130.0	-33070488.12939883	-889894.3678678605	-208125.8477631553
435.1	129.79999999999999	532968809.39439268	-887151.2387498012	-207484.2928844703
435.2000000000000000	129.6000000000000000	232867287.20863218	-884412.3330791926	-206843.7257731125
435.3	129.39999999999999	832765921.57211719	-881677.6508560308	-206204.1464290809

435.40000000000000000000	3129.1999999999999999	332664712.484847784	4878947.1920803181	-205565.5548523759
435.5	129.0	-32563659.946824025	4876220.9567520559	-204927.9510429981
435.6	128.7999999999999999	532462763.958045788	4873498.9448712409	-204291.3350009465
435.70000000000000000000	3128.6000000000000000	232362024.5185132	-870781.1564378768	-203655.7067262221
435.8	128.3999999999999999	832261441.62822613	-868067.5914519595	-203021.0662188239
435.90000000000000000000	3128.1999999999999999	332161015.28718464	-865358.2499134914	-202387.4134787525
436.0	128.0	-32060745.49538879	-862653.1318224736	-201754.7485060081
436.1	127.7999999999999999	331960632.25283844	4859952.2371789027	-201123.0713005899
436.20000000000000000000	3127.6000000000000000	131860675.559533788	4857255.565982783	-200492.3818624989
436.3	127.3999999999999999	931760875.41547464	4854563.1182341108	-199862.6801917344
436.40000000000000000000	3127.1999999999999999	231661231.82066105	-851874.8939328868	-199233.9662882963
436.5	127.0	-31561744.77509312	-849190.8930791138	-198606.2401521854
436.6	126.7999999999999999	531462414.278770728	4846511.1156727878	-197979.5017834007
436.70000000000000000000	3126.6000000000000000	131363240.33169394	4843835.5617139118	-197353.7511819430
436.8	126.3999999999999999	931264222.93386272	4841164.2312024842	-196728.9883478119
436.90000000000000000000	3126.1999999999999999	231165362.08527705	-838497.1241385047	-196105.2132810073
437.0	126.0	-31066657.78593703	4835834.2405219761	-195482.4259815298
437.1	125.7999999999999999	530968110.035842553	4833175.5803528946	-194860.6264493786
437.20000000000000000000	3125.6000000000000000	230869718.8349937	-830521.1436312636	-194239.8146845545
437.3	125.3999999999999999	830771484.18339035	4827870.93035708	-193619.9906870567
437.40000000000000000000	3125.1999999999999999	330673406.08103262	4825224.9405303453	-193001.1544568856
437.5	125.0000000000000000	130575484.527920528	4822583.174151061	-192383.3059940415
437.6	124.7999999999999999	730477719.52405395	4819945.6312192241	-191766.4452985238
437.70000000000000000000	3124.6000000000000000	230380111.069433	-817312.3117348375	-191150.5723703331
437.8	124.3999999999999999	830282659.164057598	4814683.2156978983	-190535.6872094687
437.90000000000000000000	3124.1999999999999999	330185363.807927778	4812058.343108408	-189921.7898159311
438.0	124.0000000000000000	130088225.00104358	4809437.6939663687	-189308.8801897205

438.1	123.79999999999999	729991242.743404925	806821.2682717761	-188696.9583308362
438.2000000000000005	123.60000000000000	229894417.0350119	-804209.0660246339	-188086.024239279
438.3	123.39999999999999	829797747.875864398	801601.0872249391	-187476.0779150480
438.4000000000000003	123.19999999999999	329701235.265962493	798997.3318726934	-186867.1193581438
438.5	122.99999999999999	929604879.205306206	796397.7999678979	-186259.1485685666
438.6	122.79999999999999	429508679.693895463	793802.4915105499	-185652.1655463158
438.7000000000000005	122.60000000000000	229412636.731730364	791211.4065006527	-185046.1702913921
438.8	122.39999999999999	829316750.31881078	-788624.5449382025	-184441.1628037946
438.9000000000000003	122.19999999999999	329221020.45513678	-786041.9068232012	-183837.1430835238
439.0	121.99999999999999	929125447.14070842	-783463.4921556502	-183234.1111305801
439.1	121.79999999999999	429030030.375525586	780889.300935547	-182632.0669449627
439.2000000000000005	121.60000000000000	228934770.159588393	778319.3331628939	-182031.0105266724
439.3	121.39999999999999	828839666.492896732	775753.5888376882	-181430.9418757084
439.4000000000000003	121.19999999999999	328744719.37545065	-773192.0679599316	-180831.8609920711
439.5	121.0	-28649928.807250205	770634.770529625	-180233.7678757608
439.6	120.79999999999999	528555294.788295284	768081.6965467659	-179636.6625267768
439.7000000000000005	120.60000000000000	428460817.31858601	-765532.8460113576	-179040.54494512
439.8	120.39999999999999	928366496.39812225	-762988.2189233963	-178445.4151307894
439.9000000000000003	120.19999999999999	528272332.026904095	760447.815282884	-177851.2730837855
440.0	120.0	-28178324.20493155	-757911.635089822	-177258.1188041086
440.1	119.79999999999999	528084472.932204556	755379.6783442075	-176665.9522917581
440.2000000000000005	119.60000000000000	427990778.208723195	752851.9450460435	-176074.7735467347
440.3	119.39999999999999	927897240.034487363	750328.4351953268	-175484.5825690376
440.4000000000000003	119.19999999999999	527803858.4094971	-747809.148792059	-174895.3793586672
440.5	119.0	-27710633.333752483	745294.0858362415	-174307.1639156238
440.6	118.79999999999999	527617564.807253394	742783.2463278715	-173719.9362399067
440.7000000000000005	118.60000000000000	127524652.829999935	740276.6302669516	-173133.6963315167

440.8	118.39999999999999	627431897.40199201	-737774.2376534797	-172548.4441904531
440.9000000000000003	118.19999999999999	227339298.52322968	5735276.0684874564	-171964.1798167161
441.0	118.0	-27246856.19371298	7732782.1227688836	-171380.9032103062
441.1	117.79999999999999	527154570.41344180	7730292.4004977581	-170798.6143712226
441.2000000000000005	117.60000000000000	127062441.18241628	-727806.9016740829	-170217.3132994660
441.3	117.39999999999999	626970468.50063626	-725325.626297855	-169636.9999950358
441.4000000000000003	117.19999999999999	226878652.36810183	5722848.5743690762	-169057.6744579322
441.5	117.0	-26786992.78481306	-720375.745887748	-168479.3366881558
441.6	116.79999999999999	526695489.7507698	-717907.1408538669	-167901.9866857057
441.7000000000000005	116.60000000000000	226604143.26597218	-715442.7592674362	-167325.6244505826
441.8	116.39999999999999	826512953.33042008	8712982.6011284527	-166750.2499827857
441.9000000000000003	116.19999999999999	326421919.94411358	2710526.6664369185	-166175.8632823157
442.0	116.00000000000000	126331043.10705271	4708074.9551928348	-165602.4643491727
442.1	115.79999999999999	526240322.81923736	3705627.4673961982	-165030.0531833559
442.2000000000000005	115.60000000000000	226149759.08066766	-703184.2030470119	-164458.6297848663
442.3	115.39999999999999	826059351.89134347	8700745.1621452733	-163888.194153703
442.4000000000000003	115.19999999999999	325969101.25126489	-698310.3446909833	-163318.7462898663
442.5	115.0	-25879007.16043193	-695879.7506841437	-162750.2861933567
442.6	114.79999999999999	525789069.6188445	-693453.3801247521	-162182.8138641735
442.7000000000000005	114.60000000000000	225699288.62650271	4691031.2330128102	-161616.3293023173
442.8	114.39999999999999	825609664.18340645	-688613.3093483159	-161050.8325077874
442.9000000000000003	114.19999999999999	325520196.28955577	3686199.6091312707	-160486.3234805842
443.0	114.0	-25430884.94495072	4683790.1323616756	-159922.8022207081
443.1	113.79999999999999	525341730.14959121	4681384.8790395281	-159360.2687281583
443.2000000000000005	113.60000000000000	225252731.90347733	3678983.8491648308	-158798.7230029355
443.3	113.39999999999999	825163890.20660899	4676587.0427375811	-158238.1650450391
443.4000000000000003	113.19999999999999	325075205.05898622	4674194.4597577802	-157678.5948544693

443.5	113.0	-24986676.460609093	371806.1002254297	-157120.0124312266
443.6	112.79999999999999	524898304.411477502	669421.9641405267	-156562.4177753103
443.70000000000000	112.60000000000000	224810088.91159154	667042.051503074	-156005.810886721
443.8	112.39999999999999	824722029.960951105	664666.3623130686	-155450.191765458
443.90000000000000	112.19999999999999	324634127.55955626	662294.8965705124	-154895.5604115217
444.0	112.0	-24546381.70740704	659927.654275406	-154341.9168249124
444.1	111.79999999999999	524458792.404503364	657564.6354277477	-153789.2610056295
444.20000000000000	111.60000000000000	224371359.650845306	655205.8400275393	-153237.5929536736
444.3	111.39999999999999	824284083.446432788	652851.2680747786	-152686.9126690441
444.40000000000000	111.19999999999999	324196963.79126586	650500.9195694667	-152137.2201517413
444.5	111.0	-24110000.685344562	648154.7945116052	-151588.5154017655
444.6	110.79999999999999	524023194.12866879	645812.8929011911	-151040.7984191160
444.70000000000000	110.60000000000000	223936544.12123866	643475.2147382273	-150494.0692037936
444.8	110.39999999999999	823850050.66305406	641141.760022711	-149948.3277557975
444.90000000000000	110.19999999999999	323763713.754115034	638812.5287546437	-149403.5740751281
445.0	110.0	-23677533.39442165	636487.5209340266	-148859.8081617858
445.1	109.79999999999999	523591509.5839738	634166.7365608569	-148317.0300157697
445.20000000000000	109.60000000000000	223505642.32277158	631850.1756351376	-147775.2396370807
445.3	109.39999999999999	823419931.6108149	629537.838156866	-147234.4370257182
445.40000000000000	109.19999999999999	323334377.44810379	627229.724126043	-146694.6221816822
445.5	109.0	-23248979.83463832	624925.8335426705	-146155.7951049733
445.6	108.79999999999999	523163738.77041838	622626.1664067453	-145617.9557955907
445.70000000000000	108.60000000000000	223078654.255444076	620330.7227182705	-145081.1042535352
445.8	108.39999999999999	822993726.289715305	618039.5024772432	-144545.2404788060
445.90000000000000	108.19999999999999	322908954.87323212	615752.5056836648	-144010.3644714035
446.0	108.0	-22824340.00599456	613469.7323375366	-143476.4762313280
446.1	107.79999999999999	522739881.688002534	611191.1824388561	-142943.5757585789

446.20000000000000000000	5107.6000000000000000	222655579.91925614	47608916.8559876258	-142411.6630531568
446.3	107.39999999999999	822571434.699755296	606646.752983843	-141880.7381150611
446.40000000000000000000	3107.19999999999999	322487446.02950001	1504380.8734275092	-141350.8009442921
446.5	107.0	-22403613.908490375	502119.2173186252	-140821.85154085
446.6	106.79999999999999	522319938.33672626	-599861.7846571892	-140293.8899047343
446.70000000000000000000	5106.6000000000000000	222236419.31420779	2597608.5754432033	-139766.9160359457
446.8	106.39999999999999	822153056.84093484	7595359.589676665	-139240.9299344834
446.90000000000000000000	3106.19999999999999	322069850.91690749	-593114.8273575755	-138715.9316003478
447.0	106.0	-21986801.54212576	-590874.2884859365	-138191.9210335392
447.1	105.79999999999999	521903908.71658956	6588637.9730617447	-137668.8982340570
447.20000000000000000000	5105.6000000000000000	221821172.440299	-586405.8810850033	-137146.8632019018
447.3	105.39999999999999	821738592.71325397	-584178.0125557095	-136625.8159370729
447.40000000000000000000	3105.19999999999999	321656169.53545453	4581954.3674738647	-136105.7564395708
447.5	105.0	-21573902.90690072	-579734.94583947	-135586.6847093957
447.6	104.79999999999999	521491792.82759244	-577519.7476525228	-135068.6007465469
447.70000000000000000000	5104.6000000000000000	221409839.29752979	575308.7729130259	-134551.5045510252
447.8	104.39999999999999	821328042.31671268	-573102.0216209766	-134035.3961228298
447.90000000000000000000	3104.19999999999999	321246401.88514115	570899.4937763761	-133520.2754619611
448.0	104.0	-21164918.00281525	5568701.189379226	-133006.1425684194
448.1	103.79999999999999	521083590.66973489	5566507.1084295234	-132492.9974422041
448.20000000000000000000	5103.6000000000000000	221002419.88590016	2564317.250927271	-131980.8400833158
448.3	103.39999999999999	820921405.65131097	-562131.6168724662	-131469.6704917538
448.40000000000000000000	3103.19999999999999	320840547.96596734	6559950.2062651102	-130959.4886675186
448.5	103.0	-20759846.82986937	-557773.0191052044	-130450.2946106103
448.6	102.79999999999999	520679302.24301691	4555600.0553927462	-129942.0883210285
448.70000000000000000000	5102.6000000000000000	220598914.2054101	-553431.315127738	-129434.8697987735
448.8	102.39999999999999	820518682.71704881	3551266.7983101777	-128928.6390438451

448.90000000000000	102.19999999999999	320438607.77793311	549106.5049400663	-128423.3960562433
449.0	102.0	-20358689.38806304	546950.4350174051	-127919.1408359685
449.1	101.79999999999999	520278927.54743851	544798.5885421915	-127415.8733830201
449.20000000000000	101.60000000000000	220199322.25605961	-542650.965514428	-126913.5936973986
449.3	101.39999999999999	820119873.51392624	540507.5659341122	-126412.3017791036
449.40000000000000	101.19999999999999	320040581.32103845	538368.3898012453	-125911.9976281353
449.5	101.0	-19961445.6773963	-536233.4371158284	-125412.6812444939
449.6	100.79999999999999	519882466.58299968	534102.7078778592	-124914.3526281789
449.70000000000000	100.60000000000000	219803644.03784869	531976.2020873402	-124417.0117791909
449.8	100.39999999999999	819724978.04194324	529853.919744269	-123920.6586975294
449.90000000000000	100.19999999999999	319646468.59528337	527735.8608486465	-123425.2933831945
450.0	100.0	-19568115.69786913	525622.0254004741	-122930.9158361865
450.1	99.79999999999999	-19489919.34970043	523512.4133997495	5122437.5260565051
450.20000000000000	99.60000000000000	-19411879.55077735	521407.0248464750	5121945.1240441505
450.3	99.39999999999998	-19333996.30109982	519305.8597406480	7121453.7097991224
450.40000000000000	99.19999999999999	-19256269.60066787	-517208.9180822702	-120963.2833214209
450.5	99.0	-19178699.44948154	515116.1998713423	4120473.8446110464
450.6	98.79999999999999	-19101285.84754075	-513027.7051078621	3119985.3936679984
450.70000000000000	98.60000000000000	-19024028.79484559	-510943.4337918322	-119497.9304922773
450.8	98.39999999999998	-18946928.29139597	508863.3859232497	-119011.4550838826
450.90000000000000	98.19999999999999	-18869984.33719193	-506787.5615021162	7118525.9674428146
451.0	98.0	-18793196.93223351	504715.9605284328	-118041.4675690736
451.1	97.79999999999999	-18716566.07652064	502648.5830021971	-117557.9554626589
451.20000000000000	97.60000000000000	-18640091.77005339	500585.4289234115	-117075.4311235713
451.3	97.39999999999998	-18563774.01283168	498526.4982920736	7116593.8945518101
451.40000000000000	97.19999999999999	-18487612.80485556	496471.7911081847	-116113.3457473755
451.5	97.0	-18411608.14612506	494421.3073717459	-115633.7847102679



451.6	96.79999999999995	-18335760.03664011	-492375.04708275455	-115155.2114404867
451.70000000000000	96.60000000000002	-18260068.476400778	-490333.01024121343	-114677.6259380325
451.8	96.39999999999998	-18184533.465406988	-488295.1968471201	-114201.0282029048
451.90000000000000	96.19999999999993	-18109155.003658775	-486261.6069004757	-113725.4182351037
452.0	96.0	-18033933.091156192	-484232.2404012813	-113250.7960346295
452.1	95.79999999999995	-17958867.727899157	-482207.09734953457	-112777.1616014818
452.20000000000000	95.60000000000002	-17883958.913887735	-480186.1777452379	-112304.5149356610
452.3	95.39999999999998	-17809206.649121854	-478169.4815883891	-111832.8560371667
452.40000000000000	95.19999999999993	-17734610.933601566	-476157.00887898915	-111362.1849059991
452.5	95.0	-17660171.7673269	-474148.7596170391	-110892.5015421584
452.6	94.79999999999995	-17585889.15029776	-472144.7338025369	-110423.8059456441
452.70000000000000	94.60000000000002	-17511763.08251426	-470144.93143548485	-109956.0981164568
452.8	94.39999999999998	-17437793.563976303	-468149.3525158805	-109489.3780545959
452.90000000000000	94.19999999999993	-17363980.59468392	-466157.99704372487	-109023.6457600617
453.0	94.0	-17290324.17463717	-464170.8650190194	-108558.9012328544
453.1	93.79999999999995	-17216824.30383596	-462187.9564417617	-108095.1444729736
453.20000000000000	93.60000000000002	-17143480.982280362	-460209.27131195395	-107632.3754804197
453.3	93.39999999999998	-17070294.209970318	-458234.809629594	-107170.5942551923
453.40000000000000	93.19999999999993	-16997263.98690585	-456264.5713946831	-106709.8007972916
453.5	93.0	-16924390.313087013	-454298.55660722207	-106249.9951067177
453.6	92.79999999999995	-16851673.18851372	-452336.7652672088	-105791.1771834704
453.70000000000000	92.60000000000002	-16779112.613186043	-450379.19737464556	-105333.3470275499
453.8	92.39999999999998	-16706708.587103909	-448425.8529295303	-104876.504638956
453.90000000000000	92.19999999999993	-16634461.110267362	-446476.73193186376	-104420.6500176886
454.0	92.0	-16562370.182676433	-444531.8343816472	-103965.7831637483
454.1	91.79999999999995	-16490435.804331053	-442591.1602788785	-103511.9040771344
454.20000000000000	91.60000000000002	-16418657.97523129	-440654.70962355984	-103059.0127578474

454.3	91.39999999999998	-16347036.695377072	2438722.48241568886	6102607.1092058868
454.40000000000000	91.19999999999993	-16275571.964768444	4436794.47865526675	5102156.1934212530
454.5	91.0	-16204263.783405429	434870.6983422947	-101706.2654039461
454.6	90.79999999999995	-16133112.151287958	432951.14147677063	101257.3251539656
454.70000000000000	90.60000000000002	-16062117.068416119	431035.8080586964	-100809.3726713121
454.8	90.39999999999998	-15991278.534789814	429124.69808806985	100362.4079559849
454.90000000000000	90.19999999999993	-15920596.550409095	427217.8115648924	-99916.43100798462
455.0	90.0	-15850071.115274	-425315.1484891649	-99471.44182731115
455.1	89.79999999999995	-15779702.229384447	423416.7088608851	-99027.44041396413
455.20000000000000	89.60000000000002	-15709489.892740514	421522.4926800554	-98584.42676794404
455.3	89.39999999999998	-15639434.105342134	419632.4999466734	-98142.40088925039
455.40000000000000	89.19999999999993	-15569534.867189324	417746.73066074034	-97701.36277788342
455.5	89.0	-15499792.178282145	415865.1848222572	-97261.3124338434
455.6	88.79999999999995	-15430206.038620502	413987.86243122193	-96822.2498571298
455.70000000000000	88.60000000000002	-15360776.448204482	412114.76348763664	-96384.17504774316
455.8	88.39999999999998	-15291503.407034015	410245.8879914992	-95947.08800568296
455.90000000000000	88.19999999999993	-15222386.915109124	408381.2359428106	-95510.98873094945
456.0	88.0	-15153426.972429857	406520.8073415721	-95075.87722354289
456.1	87.79999999999995	-15084623.578996133	404664.6021877813	-94641.75348346276
456.20000000000000	87.60000000000002	-15015976.734808034	402812.6204814405	-94208.61751070956
456.3	87.39999999999998	-14947486.439865472	400964.8622225476	-93776.46930528282
456.40000000000000	87.19999999999993	-14879152.6941685	-399121.32741110347	-93345.30886718276
456.5	87.0	-14810975.497717148	397282.0160471094	-92915.13619640963
456.6	86.79999999999995	-14742954.850511338	395446.9281305631	-92485.95129296296
456.70000000000000	86.60000000000002	-14675090.752551153	393616.0636614668	-92057.75415684319
456.8	86.39999999999998	-14607383.20383651	-391789.4226398184	-91630.54478804991
456.90000000000000	86.19999999999993	-14539832.20436745	-389967.00506561884	-91204.32318658331

457.0	86.0	-14472437.75414401	388148.8109388692	50779.08935244364
457.1	85.79999999999995	-14405199.85316612	386334.8402595673	790354.84328563038
457.20000000000000	85.60000000000002	-14338118.50143384	384525.0930277155	589931.58498614407
457.3	85.39999999999998	-14271193.69894712	382719.5692433165	589509.31445398423
457.40000000000000	85.19999999999993	-14204425.44570597	380918.2689063565	589088.03168915104
457.5	85.0	-14137813.74171045	379121.1920168512	588667.7366916448
457.6	84.79999999999995	-14071358.58696047	377328.3385747941	588248.42946146504
457.70000000000000	84.60000000000002	-14005059.98145610	375539.7085801866	587830.10999861216
457.8	84.39999999999998	-13938917.92519729	373755.3020330271	587412.77830308575
457.90000000000000	84.19999999999993	-13872932.41818407	371975.1189333167	586996.4343748861
458.0	84.0	-13807103.46041646	370199.1592810558	586581.07821401325
458.1	83.79999999999995	-13741431.05189439	368427.423076243	586166.70982046692
458.20000000000000	83.60000000000002	-13675915.19261795	366659.9103188801	585753.3291942475
458.3	83.39999999999998	-13610555.88258705	364896.6210089651	585340.93633535453
458.40000000000000	83.19999999999993	-13545353.12180173	363137.5551464991	584929.5312437883
458.5	83.0	-13480306.91026204	361382.7127314828	584519.11391954894
458.6	82.79999999999995	-13415417.24796789	359632.0937639146	584109.68436263606
458.70000000000000	82.60000000000002	-13350684.13491937	357885.6982437963	583701.24257305013
458.8	82.39999999999998	-13286107.57111638	356143.5261711257	583293.78855079059
458.90000000000000	82.19999999999993	-13221687.55655898	354405.5775459041	582887.32229585778
459.0	82.0	-13157424.09124720	352671.8523681324	582481.84380825187
459.1	81.79999999999995	-13093317.17518097	350942.3506378085	582077.35308797243
459.20000000000000	81.60000000000002	-13029366.80836036	349217.0723549346	581673.85013501991
459.3	81.39999999999998	-12965572.99078529	347496.0175195086	581271.33494939386
459.40000000000000	81.19999999999993	-12901935.72245580	345779.1861315315	580869.80753109448
459.5	81.0	-12838455.00337194	344066.5781910043	580469.26788012203
459.6	80.79999999999995	-12775130.83353362	342358.1936979249	580069.71599647604

459.70000000000000	80.60000000000002	-12711963.212940922	340654.0326522955	479671.15188015698
459.8	80.39999999999998	-12648952.14159377	-338954.0950541139	579273.57553116436
459.90000000000000	80.19999999999993	-12586097.61949219	637258.3809033813	378876.98694949843
460.0	80.0	-12523399.64663624	835566.8902000986	-78481.38613515945
460.1	79.79999999999995	-12460858.22302584	533879.6229442637	478086.77308814689
460.20000000000000	79.60000000000002	-12398473.34866105	632196.5791358787	-77693.14780846123
460.3	79.39999999999998	-12336245.02354181	730517.7587749416	777300.51029610207
460.40000000000000	79.19999999999993	-12274173.24766816	228843.1618614535	576908.8605510696
460.5	79.0	-12212258.02104012	327172.7883954153	-76518.19857336406
460.6	78.79999999999995	-12150499.34365763	825506.6383768249	776128.52436298496
460.70000000000000	78.60000000000002	-12088897.21552076	723844.7118056845	-75739.83791993278
460.8	78.39999999999998	-12027451.63662944	822187.0086819919	575352.13924420706
460.90000000000000	78.19999999999993	-11966162.60698370	320533.5290057483	-74965.42833580804
461.0	78.0	-11905030.12658358	218884.2727769544	674579.70519473591
461.1	77.79999999999995	-11844054.19542900	717239.2399956086	374194.96982099029
461.20000000000000	77.60000000000002	-11783234.81352005	-315598.4306617126	673811.22221457155
461.3	77.39999999999998	-11722571.98085664	213961.8447752645	-73428.46237547927
461.40000000000000	77.19999999999993	-11662065.69743882	-312329.4823362654	-73046.6903037137
461.5	77.0	-11601715.96326661	-310701.3433447160	672665.90599927503
461.6	76.79999999999995	-11541522.77833995	-309077.4278006147	-72286.10946216283
461.70000000000000	76.60000000000002	-11481486.14265891	-307457.7357039632	-71907.30069237755
461.8	76.39999999999998	-11421606.05622341	7305842.2670547596	671529.47968991875
461.90000000000000	76.19999999999993	-11361882.51903350	5304231.021853005	-71152.6464547866
462.0	76.0	-11302315.53108921	5302624.0000987002	-70776.8009869814
462.1	75.79999999999995	-11242905.09239047	-301021.2017918433	-70401.94328650265
462.20000000000000	75.60000000000002	-11183651.20293734	2299422.6269324362	570028.0733533508
462.3	75.39999999999998	-11124553.86272976	5297828.2755204772	-69655.19118752543

462.40000000000000	75.19999999999999	-11065613.07176776	296238.147555967	-69283.29678902675
462.5	75.0	-11006828.83005138	7294652.2430389066	-68912.39015785496
462.6	74.79999999999995	-10948201.13758055	7293070.5619692942	-68542.47129400967
462.70000000000000	74.60000000000002	-10889729.99435534	4291493.10434713156	-68173.54019749125
462.8	74.39999999999998	-10831415.40037568	4289919.870172417	-67805.59686829933
462.90000000000000	74.19999999999993	-10773257.35564160	3288350.8594451514	-67438.64130643412
463.0	74.0	-10715255.86015313	5286786.0721653354	-67072.67351189577
463.1	73.79999999999995	-10657410.91391022	4285225.5083329676	-66707.69348468393
463.20000000000000	73.60000000000002	-10599722.51691292	3283669.1679480495	-66343.70122479898
463.3	73.39999999999998	-10542190.66916117	6282117.0510105794	-65980.6967322405
463.40000000000000	73.19999999999993	-10484815.37065501	4280569.1575205583	-65618.68000700873
463.5	73.0	-10427596.62139446	4279025.4874779868	-65257.65104910383
463.6	72.79999999999995	-10370534.42137946	6277486.0408828634	-64897.60985852544
463.70000000000000	72.60000000000002	-10313628.77061008	4275950.8177351898	-64538.55643527393
463.8	72.39999999999998	-10256879.66908624	8274419.81803496426	-64180.49077934892
463.90000000000000	72.19999999999993	-10200287.11680799	4272893.04178218753	-63823.41289075057
464.0	72.0	-10143851.11377536	4271370.4889768606	-63467.32276947914
464.1	71.79999999999995	-10087571.65998827	5269852.1596189816	-63112.22041553417
464.20000000000000	71.60000000000002	-10031448.75544680	7268338.0537085526	-62758.10582891614
464.3	71.39999999999998	-9975482.40015088	8266828.1712455715	-62404.97900962455
464.40000000000000	71.19999999999993	-9919672.59410055	2265322.5122300393	-62052.83995765966
464.5	71.0	-9864019.33729583	4263821.0766619568	-61701.68867302168
464.6	70.79999999999995	-9808522.62973666	4262323.8645413224	-61351.52515571016
464.70000000000000	70.60000000000002	-9753182.47142310	6260830.87586813763	-61002.34940572553
464.8	70.39999999999998	-9697998.86235510	2259342.1106424010	-60654.16142306741
464.90000000000000	70.19999999999993	-9642971.80253268	4257857.5688641134	-60306.96120773598
465.0	70.0	-9588101.29195587	5256377.2505332754	-59960.74875973142

465.1	69.79999999999995	-9533387.33062462	-254901.1556498855	-59615.52407905338
465.20000000000000	69.60000000000002	-9478829.918538982	-253429.2842139453	-59271.28716570220
465.3	69.39999999999998	-9424429.05569889	-251961.6362254532	-58928.03801967753
465.40000000000000	69.19999999999993	-9370184.742104383	-250498.2116844099	-58585.77664097954
465.5	69.0	-9316096.977755494	-249039.0105908164	-58244.50302960844
465.6	68.79999999999995	-9262165.762652157	-247584.0329446709	-57904.21718556381
465.70000000000000	68.60000000000002	-9208391.096794432	-246133.2787459753	-57564.91910884611
465.8	68.39999999999998	-9154772.980182255	-244686.7479947277	-57226.60879945488
465.90000000000000	68.19999999999993	-9101311.412815666	-243244.4406909289	-56889.28625739033
466.0	68.0	-9048006.394694688	-241806.3568345799	-56552.95148265269
466.1	67.79999999999995	-8994857.925819263	-240372.4964256790	-56217.60447524153
466.20000000000000	67.60000000000002	-8941866.006189452	-238942.8594642278	-55883.24523515726
466.3	67.39999999999998	-8889030.635805193	-237517.4459502246	-55549.87376239947
466.40000000000000	67.19999999999993	-8836351.814666517	-236096.2558836704	-55217.49005696838
466.5	67.0	-8783829.542773455	-234679.2892645658	-54886.09411886416
466.6	66.79999999999995	-8731463.820125945	-233266.5460929094	-54555.68594808646
466.70000000000000	66.60000000000002	-8679254.646724049	-231858.0263687026	-54226.26554463561
466.8	66.39999999999998	-8627202.022567708	-230453.7300919440	-53897.83290851129
466.90000000000000	66.19999999999993	-8575305.947656944	-229053.6572626343	-53570.38803971366
467.0	66.0	-8523566.421991795	-227657.8078807742	-53243.93093824288
467.1	65.79999999999995	-8471983.445572197	-226266.1819463622	-52918.46160409861
467.20000000000000	65.60000000000002	-8420557.018398218	-224878.7794593999	-52593.98003728123
467.3	65.39999999999998	-8369287.140469789	-223495.6004198857	-52270.48623779033
467.40000000000000	65.19999999999993	-8318173.811786941	-222116.6448278205	-51947.98020562615
467.5	65.0	-8267217.032349708	-220741.9126832049	-51626.46194078882
467.6	64.79999999999995	-8216416.802158029	-219371.4039860374	-51305.93144327801
467.70000000000000	64.60000000000002	-8165773.12121196	-218005.1187363196	-50986.38871309407

467.8	64.39999999999998	-8115285.989511447	-216643.0569340500	-50667.83375023663
467.90000000000000	64.19999999999993	-8064955.407056517	-215285.2185792293	-50350.2665547059
468.0	64.0	-8014781.373847199	-213931.6036718582	-50033.68712650204
468.1	63.79999999999995	-57964763.889883433	-212582.2122119352	-49718.09546562467
468.20000000000000	63.60000000000001	-7914902.955165277	-211237.0441994618	-49403.49157207415
468.3	63.39999999999998	-7865198.569692682	-209896.0996344367	-49089.87544585019
468.40000000000000	63.19999999999993	-7815650.733465665	-208559.3785168604	-48777.24708695289
468.5	63.0	-7766259.446484259	-207226.8808467338	-48465.60649538246
468.6	62.79999999999995	-57717024.708748409	-205898.6066240553	-48154.95367113854
468.70000000000000	62.60000000000001	-67667946.520258168	-204574.5558488264	-47845.28861422148
468.8	62.39999999999998	-47619024.881013487	-203254.7285210458	-47536.61132463095
468.90000000000000	62.19999999999994	-7570259.791014385	-201939.1246407140	-47228.92180236711
469.0	62.00000000000001	-7521651.250260897	-200627.7442078319	-46922.22004743014
469.1	61.79999999999996	-7473199.258752962	-199320.5872223979	-46616.50605981968
469.20000000000000	61.60000000000001	-67424903.816490635	-198017.6536844135	-46311.77983953604
469.3	61.39999999999997	-7376764.923473866	-196718.9435938772	-46008.04138657895
469.40000000000000	61.19999999999992	-57328782.579702678	-195424.45695079	-45705.29070094855
469.5	60.99999999999999	-7280956.785177104	-194134.1937551523	-45403.52778264502
469.6	60.79999999999995	-7233287.539897083	-192848.1540069628	-45102.752631668
469.70000000000000	60.60000000000002	-7185774.843862672	-191566.3377062229	-44802.96524801784
469.8	60.39999999999998	-7138418.697073819	-190288.7448529312	-44504.16563169421
469.90000000000000	60.19999999999993	-7091219.099530549	-189015.3754470884	-44206.35378269725
470.0	60.0	-7044176.051232886	-187746.2294886953	-43909.52970102716
470.1	59.79999999999995	-56997289.552180783	-186481.3069777503	-43613.69338668360
470.20000000000000	59.60000000000002	-6950559.602374289	-185220.6079142549	-43318.84483966689
470.3	59.39999999999998	-6903986.201813348	-183964.1322982076	-43024.98405997669
470.40000000000000	59.19999999999993	-6857569.350497993	-182711.8801296093	-42732.11104761319

470.5	59.0	-6811309.048428247	-181463.8514084607	-42440.22580257655
470.6	58.79999999999995	56765205.295604056	-180220.0461347602	-42149.32832486644
470.70000000000000	58.600000000000002	-6719258.092025476	-178980.46430850925	-41859.41861448316
470.8	58.39999999999998	-6673467.437692451	-177745.1059297065	-41570.49667142643
470.90000000000000	58.19999999999993	-6627833.332605009	-176513.9709983527	-41282.56249569637
471.0	58.000000000000001	-6582355.7767631775	-175287.0595144485	-40995.61608729318
471.1	57.79999999999995	56537034.770166902	-174064.3714779924	-40709.65744621649
471.20000000000000	57.600000000000002	-6491870.312816236	-172845.906888986	-40424.68657246667
471.3	57.39999999999998	-6446862.404711126	-171631.6657474278	-40140.70346604338
471.40000000000000	57.19999999999993	-6402011.045851599	-170421.6480533184	-39857.70812694677
471.5	57.0	-6357316.236237683	-169215.8538066587	-39575.70055517703
471.6	56.79999999999995	56312777.975869322	-168014.2830074472	-39294.68075073381
471.70000000000000	56.600000000000002	-6268396.264746569	-166816.9356556852	-39014.64871361743
471.8	56.39999999999998	-6224171.102869377	-165623.8117513714	-38735.60444382758
471.90000000000000	56.19999999999993	-6180102.490237763	-164434.9112945066	-38457.54794136442
472.0	56.0	-6136190.42685176	-163250.2342850913	-38180.47920622810
472.1	55.79999999999995	56092434.912711318	-162069.7807231243	-37904.39823841834
472.20000000000000	55.600000000000002	-6048835.947816478	-160893.5506086068	-37629.30503793541
472.3	55.39999999999998	-6005393.532167196	-159721.5439415376	-37355.19960477901
472.40000000000000	55.19999999999993	-5962107.665763501	-158553.7607219172	-37082.08193894930
472.5	55.0	-5918978.348605413	-157390.2009497464	-36809.95204044645
472.6	54.79999999999995	55876005.580692883	-156230.8646250239	-36538.80990927012
472.70000000000000	54.600000000000002	-5833189.362025961	-155075.7517477509	-36268.65554542064
472.8	54.39999999999998	-5790529.692604596	-153924.8623179261	-35999.48894889768
472.90000000000000	54.19999999999993	-5748026.572428812	-152778.1963355502	-35731.31011970142
473.0	54.0	-5705680.00149864	-151635.7538006239	-35464.11905783201
473.1	53.79999999999995	55663489.979814025	-150497.5347131459	-35197.91576328913



473.20000000000000	53.60000000000002	-5621456.507375016	-149363.5390731174	-34932.70023607309
473.3	53.39999999999998	-5579579.584181565	-148233.7668805371	-34668.47247618359
473.40000000000000	53.19999999999993	-5537859.210233699	-147108.2181354057	-34405.23248362078
473.5	53.0	-5496295.385531441	-145986.89283772392	-34142.98025838481
473.6	52.79999999999995	-5454888.110074738	-144869.79098749033	-33881.71580047538
473.70000000000000	52.60000000000002	-5413637.383863646	-143756.91258470633	-33621.4391098928
473.8	52.39999999999998	-5372543.206898111	-142648.2576293705	-33362.15018663673
473.90000000000000	52.19999999999993	-5331605.579178158	-141543.8261214836	-33103.84903070737
474.0	52.0	-5290824.500703814	-140443.6180610463	-32846.53564210486
474.1	51.79999999999995	-5250199.971475029	-139347.63344805723	-32590.21002082887
474.20000000000000	51.60000000000002	-5209731.991491849	-138255.87228251764	-32334.87216687972
474.3	51.39999999999998	-5169420.560754229	-137168.33456442636	-32080.52208025712
474.40000000000000	51.19999999999993	-5129265.679262193	-136085.020293784	-31827.15976096121
474.5	51.0	-5089267.347015762	-135005.92947059107	-31574.78520899212
474.6	50.79999999999995	-5049425.564014892	-133931.0620948465	-31323.39842434959
474.70000000000000	50.60000000000002	-5009740.330259627	-132860.41816655142	-31072.99940703389
474.8	50.39999999999998	-4970211.645749921	-131793.9976857046	-30823.58815704474
474.90000000000000	50.19999999999993	-4930839.5104858	-130731.80065230675	-30575.16467438228
475.0	50.0	-4891623.924467284	-129673.82706635832	-30327.72895904664
475.1	49.79999999999995	-4852564.887694328	-128620.07692785824	-30081.28101103756
475.20000000000000	49.60000000000002	-4813662.400166978	-127570.55023680766	-29835.82083035531
475.3	49.39999999999998	-4774916.461885188	-126525.24699320534	-29591.34841699960
475.40000000000000	49.19999999999993	-4736327.072848981	-125484.16719705195	-29347.86377097059
475.5	49.0	-4697894.233058379	-124447.310848348	-29105.3668922684
475.6	48.79999999999995	-4659617.942513337	-123414.67794709238	-28863.85778089276
475.70000000000000	48.60000000000002	-4621498.201213903	-122386.26849328626	-28623.33643684395
475.8	48.39999999999998	-4583535.009160028	-121362.08248692844	-28383.80286012169

475.90000000000000	48.19999999999999	-4545728.366351736	-120342.1199280195	328145.25705072612
476.0	48.0	-4508078.272789048	-119326.3808165601	227907.69900865739
476.1	47.79999999999999	54470584.728471922	-118314.865152549	-27671.12873391520
476.20000000000000	47.60000000000000	-4433247.733400402	-117307.5729359873	727435.54622649984
476.3	47.39999999999999	-4396067.287574441	-116304.5041668740	527200.95148641103
476.40000000000000	47.19999999999999	-4359043.390994065	-115305.6588452096	-26967.34451364891
476.5	47.0	-4322176.043659291	-114311.0369709946	526734.72530821362
476.6	46.79999999999999	54285465.245570081	-113320.6385442280	326503.09387010488
476.70000000000000	46.60000000000000	-4248910.996726474	-112334.4635649108	426272.45019932295
476.8	46.39999999999999	-4212513.29712843	-111352.512033042	-26042.7942958676
476.90000000000000	46.19999999999999	-4176272.146775967	-110374.7839486220	925814.12615973893
477.0	46.0	-4140187.5456691086	-109401.2793116516	-25586.44579093708
477.1	45.79999999999999	54104259.493807812	-108431.9981221294	725359.75318946179
477.20000000000000	45.60000000000000	-4068487.991192119	-107466.9403800567	825134.04835531332
477.3	45.39999999999999	-4032873.0378219895	-106506.1060854324	424909.33128849141
477.40000000000000	45.19999999999999	-3997414.6336974436	-105549.4952382570	224685.60198899619
477.5	45.0	-3962112.7788185	-104597.1078385310	224462.86045682778
477.6	44.79999999999999	53926967.4731851183	-103648.9438862533	724241.10669198594
477.70000000000000	44.60000000000000	-3891978.716797339	-102705.0033814251	224020.34069447091
477.8	44.39999999999999	-3857146.5096551254	-101765.2863240452	923800.56246428245
477.90000000000000	44.19999999999999	-3822470.8517584945	-100829.7927141143	723581.77200142068
478.0	44.0	-3787951.7431074637	-99898.52255163284	-23363.96930588572
478.1	43.79999999999999	53753589.1837019986	-98971.47583659968	-23147.15437767733
478.20000000000000	43.60000000000000	-3719383.173542135	-98048.65256901595	-22931.32721679575
478.3	43.39999999999999	-3685333.712627835	-97130.05274888058	-22716.48782324074
478.40000000000000	43.19999999999999	-3651440.8009591177	-96215.67637619413	-22502.63619701241
478.5	43.0	-3617704.438536003	-95305.52345095712	-22289.77233811091

478.6	42.79999999999995	53584124.6253584526	94399.59397316845	-22077.89624653596
478.70000000000000	42.60000000000002	-3550701.361426504	-93497.88794282917	-21867.00792228782
478.8	42.39999999999998	-3517434.6467401176	92600.40535993833	-21657.10736536626
478.90000000000000	42.19999999999993	-3484324.481299316	-91707.14622449635	-21448.19457577138
479.0	42.0	-3451370.865104115	-90818.11053650377	-21240.26955350331
479.1	41.79999999999995	53418573.798154479	49933.2982959596	-21033.33229856181
479.20000000000000	41.60000000000002	-3385933.280450444	79052.70950286483	-20827.38281094713
479.3	41.39999999999998	-3353449.311991974	78176.34415721847	-20622.42109065901
479.40000000000000	41.19999999999993	-3321121.892779087	-87304.20225902098	-20418.44713769759
479.5	41.0	-3288951.022811802	-86436.28380827291	-20215.46095206296
479.6	40.79999999999995	53256936.702090080	45572.58880497325	-20013.46253375492
479.70000000000000	40.60000000000002	-3225078.9306139606	4713.11724912292	-19812.45188277367
479.8	40.39999999999998	-3193377.708383405	-83857.86914072103	-19612.42899911901
479.90000000000000	40.19999999999993	-3161833.0353984335	33006.84447976806	-19413.39388279103
480.0	40.0	-3130444.911659062	-82160.04326626447	-19215.34653378986
480.1	39.79999999999995	53099213.3371652556	1317.46550020925	-19018.28695211525
480.20000000000000	39.60000000000002	-3068138.311917049	-80479.11118160344	-18822.21513776746
480.3	39.39999999999998	-3037219.835914409	79644.98031044604	-18627.13109074624
480.40000000000000	39.19999999999993	-3006457.909157352	-78815.07288673754	-18433.03481105170
480.5	39.0	-2975852.531645895	47989.38891047842	-18239.92629868398
480.6	38.79999999999995	52945403.703380004	-77167.92838166772	-18047.80555364283
480.70000000000000	38.60000000000002	-2915111.424359713	-76350.6913003064	-17856.67257592848
480.8	38.39999999999998	-2884975.694584988	-75537.67766639347	-17666.52736554070
480.90000000000000	38.19999999999993	-2854996.514055845	374728.88747992952	-17477.36992247963
481.0	38.0	-2825173.882772303	773924.32074091486	-17289.20024674535
481.1	37.79999999999995	52795507.800734327	-73123.97744934865	-17102.01833833764
481.20000000000000	37.60000000000002	-2765998.267941949	472327.85760523177	-16915.82419725673

481.3	37.39999999999998	-2736645.284395139	771535.96120856336	-16730.6178235024
481.40000000000000	37.19999999999993	-2707448.850093912	-70748.28825934384	-16546.39921707478
481.5	37.0	-2678408.965038284	79964.83875757367	-16363.16837797394
481.6	36.79999999999995	52649525.629228222	69185.61270325196	-16180.92530619969
481.70000000000000	36.60000000000002	-2620798.842663761	-68410.61009637958	-15999.67000175223
481.8	36.39999999999998	-2592228.605344865	57639.83093695567	-15819.40246463136
481.90000000000000	36.19999999999993	-2563814.917271553	-66873.27522498064	-15640.12269483717
482.0	36.0	-2535557.778443840	36110.94296045497	-15461.83069236978
482.1	35.79999999999995	52507457.188861693	75352.83414337772	415284.52645722897
482.20000000000000	35.60000000000002	-2479513.148525146	34598.94877374984	-15108.20998941496
482.3	35.39999999999998	-2451725.657434166	-63849.28685157041	-14932.88128892754
482.40000000000000	35.19999999999993	-2424094.715588768	-63103.84837683988	-14758.54035576680
482.5	35.0	-2396620.322988969	-62362.63334955865	-14585.18718993285
482.6	34.79999999999995	52369302.479634737	-61625.64176972592	414412.82179142550
482.70000000000000	34.60000000000002	-2342141.185526104	-60892.87363734250	514241.44416024493
482.8	34.39999999999998	-2315136.440663039	-60164.32895240756	-14071.05429639095
482.90000000000000	34.19999999999993	-2288288.245045556	-59440.00771492151	413901.65219986366
483.0	34.0	-2261596.598673672	458719.90992488479	-13733.23787066317
483.1	33.79999999999995	52235061.501547355	78004.03558229654	-13565.81130878926
483.20000000000000	33.60000000000002	-2208682.953666637	-57292.38468715762	-13399.37251424214
483.3	33.39999999999998	-2182460.955031486	756584.95723946717	-13233.92148702161
483.40000000000000	33.19999999999993	-2156395.505641919	-55881.75323922562	513069.45822712778
483.5	33.0	-2130486.605497949	-55182.77268643335	-12905.98273456072
483.6	32.79999999999995	52104734.254599547	-54488.01558108961	-12743.49500932026
483.70000000000000	32.60000000000002	-2079138.452946742	53797.48192319513	-12581.99505140658
483.8	32.39999999999998	-2053699.200539507	453111.17171274917	-12421.48286081950
483.90000000000000	32.19999999999993	-2028416.497377854	32429.08494975212	-12261.95843755911

484.0	32.0	-2003290.3434617995	51751.221634204354	412103.42178162550
484.1	31.799999999999995	51978320.7387913125	51077.58176610509	911945.87289301849
484.2000000000000000	31.600000000000002	31953507.6833664235	50408.16534545511	111789.31177173826
484.3	31.399999999999997	71928851.1771871026	49742.972372253644	11633.73841778463
484.4000000000000000	31.199999999999993	21904351.220253365	49082.00284650109	11479.15283115769
484.5	31.000000000000000	41880007.812565224	48425.256768197796	11325.55501185753
484.6	30.799999999999995	81855820.9541226525	47772.734137343024	11172.94495988397
484.7000000000000000	30.600000000000002	-1831790.6449256768	47124.434953937496	11021.32267523718
484.8	30.399999999999997	41807916.884974271	46480.35921798052	10870.688157917
484.9000000000000000	30.199999999999993	-1784199.6742684483	45840.506929472445	10721.04140792351
485.0	30.0	-1760639.012808222	45204.878088413636	10572.38242525679
485.1	29.799999999999995	51737234.9005935653	44573.472694803364	10424.71120991668
485.2000000000000000	29.600000000000002	31713987.3376245047	43946.29074864233	10278.02776190334
485.3	29.399999999999997	71690896.323901014	43323.33224992986	10132.33208121661
485.4000000000000000	29.199999999999993	21667961.859423106	42704.597198666259	9987.624167856562
485.5	29.000000000000000	41645183.9441907946	42090.08559485193	9843.904021823293
485.6	28.799999999999995	51622562.5782040528	41479.79743848614	9701.171643116628
485.7000000000000000	28.600000000000002	31600097.761462906	40873.732729569594	9559.427031736734
485.8	28.399999999999997	71577789.4939673305	40271.89146810161	9418.670187683452
485.9000000000000000	28.199999999999993	21555637.7757173376	39674.2736540825	9278.901110956855
486.0	28.0	-1533642.6067129397	39080.879287512646	9140.119801557028
486.1	27.799999999999995	51511803.9869541135	38491.708368391344	9002.326259483812
486.2000000000000000	27.600000000000002	31490121.9164408816	37906.76089671929	8865.520484737366
486.3	27.399999999999997	71468596.3951732207	37326.03687249579	8729.70247731753
486.4000000000000000	27.199999999999993	21447227.4231511424	36749.53629572118	8594.872237224383
486.5	27.0	-1426015.0003746603	36177.2591663958	8461.029764458004
486.6	26.799999999999995	51404959.126843748	35609.205484518985	8328.175059018235

486.70000000000000	26.600000000000002	31384059.802558430	535045.37525009140	5196.308120905234
486.8	26.399999999999997	71363317.027518684	34485.76846311239	-8065.428950118845
486.90000000000000	26.199999999999993	21342730.801724522	-33930.38512358228	-7935.537546659149
487.0	26.0	-1322301.125175953	43379.22523150139	-7806.633910526216
487.1	25.799999999999995	51302027.997872956	82832.28878686906	-7678.718041719895
487.20000000000000	25.600000000000002	31281911.419815553	82289.57578968595	47551.789940240338
487.3	25.399999999999997	71261951.391003723	-31751.08623995143	47425.849606087399
487.40000000000000	25.199999999999993	21242147.911437474	731216.82013766581	-7300.89703926115
487.5	25.0	-1222500.981116821	-30686.77748282939	57176.932239761662
487.6	24.799999999999995	51203010.600041739	20160.95827544156	87053.955207588792
487.70000000000000	24.600000000000002	31183676.768212250	729639.36251550293	76931.965942742682
487.8	24.399999999999997	71164499.485628334	629121.9902030129	-6810.964445223190
487.90000000000000	24.199999999999993	21145478.752290002	-28608.84133797178	26690.950715030392
488.0	24.0	-1126614.568197262	228099.91592037983	76571.924752164348
488.1	23.799999999999995	51107906.933350095	-27595.2139502365	-6453.886556624926
488.20000000000000	23.600000000000002	31089355.847748521	527094.73542754236	-6336.836128412264
488.3	23.399999999999997	71070961.31139252	-26598.48035229681	8220.773467526221
488.40000000000000	23.199999999999993	21052723.324282102	526106.44872450018	-6105.69857396687
488.5	23.0	-1034641.886417277	-25618.64054415271	-5991.61144773427
488.6	22.799999999999995	51016716.997798025	525135.05581125387	-5878.512088828299
488.70000000000000	22.600000000000002	3998948.658424366	-24655.6945258042	-5766.40049724908
488.8	22.399999999999997	7981336.868296279	-24180.55668780315	5655.276672996487
488.90000000000000	22.199999999999993	2963881.627413776	-23709.642297251	-5545.140616070582
489.0	22.0	-946582.9357768659	-23242.95135414801	6435.992326471431
489.1	21.799999999999995	5929440.793385529	-22780.48385849366	65327.831804198907
489.20000000000000	21.600000000000002	3912455.200239784	322322.23981028847	5220.659049253134
489.3	21.399999999999997	7895626.156339613	-21868.21920953192	25114.474061633990

489.40000000000000	21.199999999999999	2878953.6616850247	-21418.42205622426	-5009.276841341535
489.5	21.0	-862437.7162760289	-20972.848350365748	4905.067388375828
489.6	20.799999999999995	5846078.3201126064	-20531.498091955888	4801.845702736753
489.70000000000000	20.600000000000002	3829875.4731947766	-20094.37128099518	-4699.611784424425
489.8	20.399999999999997	7813829.17552252	-19661.467917483118	4598.365633438731
489.90000000000000	20.199999999999993	2797939.4270958467	-19232.78800141994	-4498.107249779722
490.0	20.0	-782206.2279147656	-18808.331532805925	4398.836633447465
490.1	19.799999999999995	5766629.5779792581	-18388.098511640554	4300.553784441838
490.20000000000000	19.600000000000002	3751209.4772893424	-17972.088937924316	4203.258702762956
490.3	19.399999999999997	7735945.925845001	-17560.30281165674	-4106.951388410708
490.40000000000000	19.199999999999993	2720838.9236462427	-17152.740132838062	4011.631841385149
490.5	19.0	-705888.470693076	-16749.40090146852	-3917.300061686337
490.6	18.799999999999995	5691094.5669854836	-16350.285117547637	3823.956049314157
490.70000000000000	18.600000000000002	3676457.2125234823	-15955.39278107588	-3731.599804268721
490.8	18.399999999999997	7661976.4073070559	-15564.7238920528	-3640.231326549923
490.90000000000000	18.199999999999993	2647652.1513362123	-15178.27845047861	-3549.850616157813
491.0	18.0	-633484.4446109601	-14796.05645635355	-3460.457673092446
491.1	17.799999999999995	5619473.2871312825	-14418.05790967716	-3372.052497353716
491.20000000000000	17.600000000000002	3605618.6788971958	-14044.282810449879	3284.635088941725
491.3	17.399999999999997	7591920.6199086843	-13674.731158671288	3198.205447856375
491.40000000000000	17.199999999999993	2578379.1101657558	-13309.402954341595	3112.763574097714
491.5	17.0	-564994.1496684181	-12948.298197461008	3028.309467665792
491.6	16.799999999999995	5551765.7384166555	-12591.416888029107	2944.843128560511
491.70000000000000	16.600000000000002	3538693.8764104833	-12238.75902604631	-2862.364556781966
491.8	16.399999999999997	7525778.5636498866	-11890.32461151221	-2780.873752330065
491.90000000000000	16.199999999999993	2513019.8001348733	-711546.11364442701	2700.370715204854
492.0	16.0	-500417.5858654499	-11206.126124790899	2620.855445406377

492.1	15.79999999999995	5487971.9208416022	-10870.36205260349	22542.327942934544
492.200000000000005	15.600000000000002	5475682.8050633446	510538.82142786517	42464.788207789446
492.3	15.39999999999997	9463550.2385306631	310211.50425057556	52388.236239970993
492.400000000000003	15.19999999999993	4451574.2212435644	-9888.410520734851	-2312.672039479229
492.5	15.0	-439754.7532020554	9569.540238343217	-2238.095606314198
492.6	14.79999999999995	5428091.8344061228	-9254.8934034003	-2164.506940475813
492.700000000000005	14.600000000000002	5416585.4648557797	-8944.470015906465	-2091.906041964162
492.8	14.39999999999997	7405235.6445510131	3638.270075861343	-2020.292910779157
492.900000000000003	14.19999999999993	2394042.3734918294	-8336.293583265124	-1949.667546920842
493.0	14.0	-383005.6516782349	-8038.540538117969	-1880.029950389257
493.1	13.79999999999995	5372125.4791102173	67745.010940419547	-1811.380121184322
493.200000000000005	13.600000000000002	3361401.8557877888	77455.704790170185	-1743.718059306115
493.3	13.39999999999997	7350834.7817109370	47170.622087369555	-1677.043764754558
493.400000000000003	13.19999999999993	2340424.2568796682	-6889.762832017827	-1611.357237529693
493.5	13.0	-330170.2812939884	-6613.127024115155	-1546.658477631554
493.6	12.79999999999995	5320072.8549538856	6340.714663661221	-1482.947485060066
493.700000000000005	12.600000000000002	3310131.9778593715	-6072.525750656339	-1420.224259815305
493.8	12.39999999999997	7300347.6500104347	4808.560285100199	51358.488801897197
493.900000000000003	12.19999999999993	2290719.8714070809	75548.818266992962	-1297.741111305780
494.0	12.0	-281248.6420493155	5293.299696334768	-1237.981188041086
494.1	11.79999999999995	5271933.9619371277	5042.004573125327	-1179.209032103049
494.200000000000005	11.600000000000002	3262775.8310705281	3794.932897364921	-1121.424643491733
494.3	11.39999999999997	7253774.2494495063	44552.084669053275	-1064.628022207074
494.400000000000003	11.19999999999993	2244929.2170740674	42313.459888190528	-1008.819168249105
494.5	11.0	-236240.7339442164	41079.058554776812	3953.9980816178577
494.6	10.79999999999995	5227708.8000599436	63848.88066881186	-900.1647623132679
494.700000000000005	10.600000000000002	3219333.4154212585	4622.926230295936	-847.3192103353983



494.8	10.399999999999997	7211114.5800281516	-3401.19523922878	-795.461425684188
494.900000000000000	10.199999999999993	2203052.2938806278	-3183.687695610525	-744.5914083596683
495.0	10.0	-195146.5569786914	-2970.4035994412893	-694.7091583618661
495.1	9.799999999999955	-187397.36932233348	-2761.342950720829	-645.8146756907254
495.200000000000000	9.600000000000023	-179804.73091156283	-2556.505749449381	-597.9079603463017
495.3	9.399999999999977	-172368.64174637088	-2355.891995626717	-550.9890123285394
495.400000000000000	9.199999999999932	-165089.1018267619	-2159.501689252953	-505.0578316374678
495.5	9.0	-157966.11115274002	-1967.334830328195	-460.1144182731116
495.6	8.799999999999955	-150999.669724297	-1779.391418852225	-416.158772235419
495.700000000000000	8.600000000000023	-144189.7775414409	-1595.671454825259	-373.1908935244409
495.8	8.399999999999977	-137536.43460416386	-1416.1749382470848	-331.2107821401278
495.900000000000000	8.199999999999932	-131039.64091246984	-1240.9018691178103	-290.2184380825046
496.0	8.0	-124699.39646636248	-1069.852247437532	-250.2138613515942
496.1	7.799999999999955	-118515.70126583443	-903.0260732060538	-211.1970519473504
496.200000000000000	7.600000000000023	-112488.5553108928	-740.4233464235664	-173.1680098698180
496.3	7.399999999999977	-106617.9586015307	-582.0440670898829	-136.1267351189534
496.400000000000000	7.199999999999932	-100903.91113775167	-427.8882352051007	-100.0732276947791
496.5	7.0	-95346.41291955873	-277.9558507693001	-65.00748759731417
496.6	6.799999999999955	-89945.46394694569	-132.2469137823129	-30.92951482651904
496.700000000000000	6.600000000000023	-84701.06421991854	-9.238575755695305	2.160690617567467
496.8	6.399999999999977	-79613.21373847142	146.5006178448868	34.26312873498331
496.900000000000000	6.199999999999932	-74681.91250260729	279.5392124851792	65.37779952570924
497.0	6.0	-69907.16051232889	408.3543596765002	95.50470298972832
497.1	5.799999999999955	-65288.95776763072	532.9460594189965	124.6438391270748
497.200000000000000	5.600000000000023	-60827.30426851810	653.3143117125263	152.7952079377157
497.3	5.399999999999977	-56522.20001498591	669.459116557227	179.9588094216830
497.400000000000000	5.199999999999932	-52373.64500703674	881.3804739530277	206.1346435789602

497.5	5.0	-48381.63924467285	5989.0783838998697	231.3227104095335
497.6	4.799999999999954	544546.18272788963	1092.5528463978756	255.5230099134315
497.700000000000005	5.600000000000023	-40867.27545669151	1191.803861446926	278.7355420906266
497.8	4.399999999999977	-37344.91743107425	1286.8314290471358	300.9603069411453
497.900000000000003	3.199999999999932	-33979.10865104003	1377.635549198446	322.1973044649739
498.0	4.0	-30769.84911659061	1464.216221900809	342.4465346621015
498.1	3.799999999999954	-27717.13882772235	1546.5734471543233	361.7079975325508
498.200000000000005	3.600000000000022	724820.97778443871	1624.7072249588955	379.9816930763002
498.3	3.399999999999977	322081.36598673642	1698.6175553146138	397.2676212933702
498.400000000000003	3.199999999999932	-19498.30343461714	1768.3044382214327	413.5657821837503
498.5	3.0	-17071.79012808222	1833.7678736793173	428.8761757474321
498.6	2.799999999999954	514801.82606712890	1895.0078616883404	443.198801984433
498.700000000000005	2.600000000000022	712688.41125175976	1952.0244022484333	456.5336608947364
498.8	2.399999999999977	310731.54568197240	2004.8174953596608	468.8807524783579
498.900000000000003	2.199999999999932	-8931.229357768076	2053.387141021989	480.2400767352894
499.0	2.0	-7287.462279147654	2097.733339235394	490.6116336655254
499.1	1.799999999999954	55800.24444610928	2137.8560899999263	499.9954232690776
499.200000000000005	1.600000000000022	74469.575858654642	2173.7553933155405	508.3914455459353
499.3	1.399999999999977	33295.456516782226	2205.431249182277	515.7997004961082
499.400000000000003	1.199999999999932	82277.886420492835	2232.883657600114	522.2201881195912
499.5	1.0	-1416.8655697869138	2256.1126185690405	527.6529084163814
499.6	0.799999999999954	5712.3939646634819	2275.118132089082	532.097861386485
499.700000000000005	0.600000000000022	7164.4716051233420	2289.9001981602173	535.555047029897
499.8	0.399999999999977	266.9015088341295	2300.458816782462	538.0244653466214
499.900000000000003	0.199999999999932	461.7253772085768	2306.793987955809	539.5061163366556
500.0	0.0	540.0	2308.905711680256	540.0