

0	-7000	0	0	4000	5000		
2	-7000	1.90456e-007	-4.76216e-007	3998.4	5001.2		
4	-7000	7.61957e-007	-1.9048e-006	3996.8	5002.4		
6	-6999.99	1.71477e-006	-4.28562e-006	3995.2	5003.59		
8	-6999.99	3.04916e-006	-7.61856e-006	3993.59	5004.79		
9.99999	-6999.98	4.7654e-006	-1.19035e-005	3991.99	5005.98		
12	-6999.98	6.86375e-006	-1.71402e-005	3990.38	5007.18		
14	-6999.97	9.34449e-006	-2.33288e-005	3988.77	5008.37		
16	-6999.96	1.22079e-005	-3.04689e-005	3987.17	5009.56		
18	-6999.94	1.54542e-005	-3.85604e-005	3985.56	5010.75		
19.9999	-6999.93	1.90836e-005	-4.76034e-005	3983.95	5011.93		
21.9999	-6999.91	2.30966e-005	-5.75975e-005	3982.34	5013.12		
23.9999	-6999.9	2.74932e-005	-6.85427e-005	3980.72	5014.3		
25.9999	-6999.88	3.22739e-005	-8.04389e-005	3979.11	5015.49		
27.9998	-6999.86	3.74388e-005	-9.3286e-005	3977.5	5016.67		
29.9998	-6999.84	4.29882e-005	-0.000107084	3975.88	5017.85		
31.9998	-6999.82	4.89224e-005	-0.000121832	3974.26	5019.03		
33.9997	-6999.79	5.52417e-005	-0.000137531	3972.65	5020.21		
35.9996	-6999.77	6.19463e-005	-0.00015418	3971.03	5021.38		
37.9996	-6999.74	6.90365e-005	-0.000171779	3969.41	5022.56		
39.9995	-6999.71	7.65125e-005	-0.000190329	3967.79	5023.73		
41.9994	-6999.69	8.43747e-005	-0.000209828	3966.17	5024.91		
43.9993	-6999.65	9.26233e-005	-0.000230277	3964.54	5026.08		
45.9992	-6999.62	0.000101259	-0.000251676	3962.92	5027.25		
47.9991	-6999.59	0.000110281	-0.000274025	3961.29	5028.42		
49.999	-6999.55	0.00011969	-0.000297322	3959.67	5029.58		
51.9989	-6999.52	0.000129487	-0.00032157	3958.04	5030.75		
53.9987	-6999.48	0.000139672	-0.000346766	3956.41	5031.91		
55.9986	-6999.44	0.000150244	-0.000372912	3954.78	5033.08		
57.9984	-6999.4	0.000161205	-0.000400006	3953.15	5034.24		
59.9983	-6999.36	0.000172555	-0.000428049	3951.52	5035.4		
61.9981	-6999.31	0.000184293	-0.000457041	3949.89	5036.56		
63.9979	-6999.27	0.000196421	-0.000486982	3948.26	5037.71		
65.9977	-6999.22	0.000208937	-0.000517871	3946.62	5038.87		
67.9975	-6999.17	0.000221844	-0.000549708	3944.99	5040.03		
69.9972	-6999.13	0.00023514	-0.000582494	3943.35	5041.18		
71.997	-6999.07	0.000248826	-0.000616227	3941.71	5042.33		
73.9967	-6999.02	0.000262903	-0.000650909	3940.07	5043.48		
75.9964	-6998.97	0.000277371	-0.000686538	3938.43	5044.63		
77.9961	-6998.91	0.00029223	-0.000723115	3936.79	5045.78		
79.9958	-6998.86	0.000307479	-0.00076064	3935.15	5046.93		
81.9955	-6998.8	0.000323121	-0.000799112	3933.51	5048.07		
83.9952	-6998.74	0.000339154	-0.000838531	3931.86	5049.22		
85.9948	-6998.68	0.000355579	-0.000878898	3930.22	5050.36		
87.9944	-6998.62	0.000372397	-0.000920212	3928.57	5051.5		
89.994	-6998.55	0.000389607	-0.000962472	3926.93	5052.64		
91.9936	-6998.49	0.00040721	-0.00100568	3925.28	5053.78		
93.9932	-6998.42	0.000425206	-0.00104983	3923.63	5054.92		
95.9928	-6998.35	0.000443596	-0.00109493	3921.98	5056.06		
97.9923	-6998.29	0.000462379	-0.00114098	3920.33	5057.19		
99.9918	-6998.21	0.000481557	-0.00118798	3918.67	5058.33		
101.991	-6998.14	0.000501128	-0.00123592	3917.02	5059.46		
103.991	-6998.07	0.000521094	-0.0012848	3915.37	5060.59		
105.99	-6997.99	0.000541455	-0.00133463	3913.71	5061.72		
107.99	-6997.92	0.000562211	-0.00138541	3912.05	5062.85		
109.989	-6997.84	0.000583362	-0.00143713	3910.4	5063.97		
111.988	-6997.76	0.000604909	-0.0014898	3908.74	5065.1		

113.988	-6997.68	0.000626851	-0.00154342	3907.08	5066.22
115.987	-6997.6	0.00064919	-0.00159798	3905.42	5067.34
117.986	-6997.51	0.000671925	-0.00165348	3903.76	5068.47
119.986	-6997.43	0.000695057	-0.00170993	3902.09	5069.59
121.985	-6997.34	0.000718586	-0.00176733	3900.43	5070.71
123.984	-6997.25	0.000742511	-0.00182567	3898.76	5071.82
125.983	-6997.17	0.000766835	-0.00188495	3897.1	5072.94
127.983	-6997.07	0.000791556	-0.00194518	3895.43	5074.05
129.982	-6996.98	0.000816675	-0.00200636	3893.76	5075.17
131.981	-6996.89	0.000842193	-0.00206848	3892.09	5076.28
133.98	-6996.79	0.000868109	-0.00213154	3890.42	5077.39
135.979	-6996.7	0.000894424	-0.00219555	3888.75	5078.5
137.978	-6996.6	0.000921138	-0.0022605	3887.08	5079.61
139.977	-6996.5	0.000948252	-0.00232639	3885.41	5080.71
141.976	-6996.4	0.000975765	-0.00239323	3883.73	5081.82
143.975	-6996.3	0.00100368	-0.00246101	3882.06	5082.92
145.974	-6996.19	0.00103199	-0.00252974	3880.38	5084.02
147.973	-6996.09	0.00106071	-0.00259941	3878.71	5085.12
149.972	-6995.98	0.00108982	-0.00267002	3877.03	5086.22
151.971	-6995.87	0.00111934	-0.00274158	3875.35	5087.32
153.97	-6995.76	0.00114925	-0.00281407	3873.67	5088.42
155.968	-6995.65	0.00117957	-0.00288752	3871.99	5089.51
157.967	-6995.54	0.00121029	-0.0029619	3870.3	5090.61
159.966	-6995.43	0.00124141	-0.00303723	3868.62	5091.7
161.965	-6995.31	0.00127294	-0.0031135	3866.93	5092.79
163.963	-6995.2	0.00130487	-0.00319071	3865.25	5093.88
165.962	-6995.08	0.0013372	-0.00326886	3863.56	5094.97
167.961	-6994.96	0.00136993	-0.00334796	3861.87	5096.06
169.959	-6994.84	0.00140307	-0.003428	3860.19	5097.15
171.958	-6994.72	0.00143661	-0.00350898	3858.5	5098.23
173.956	-6994.59	0.00147056	-0.0035909	3856.81	5099.31
175.955	-6994.47	0.00150491	-0.00367377	3855.11	5100.4
177.953	-6994.34	0.00153966	-0.00375757	3853.42	5101.48
179.951	-6994.21	0.00157482	-0.00384232	3851.73	5102.55
181.95	-6994.08	0.00161038	-0.00392801	3850.03	5103.63
183.948	-6993.95	0.00164635	-0.00401464	3848.34	5104.71
185.946	-6993.82	0.00168273	-0.00410221	3846.64	5105.78
187.945	-6993.69	0.00171951	-0.00419072	3844.94	5106.86
189.943	-6993.55	0.0017567	-0.00428018	3843.24	5107.93
191.941	-6993.42	0.00179429	-0.00437057	3841.54	5109
193.939	-6993.28	0.00183229	-0.00446191	3839.84	5110.07
195.937	-6993.14	0.0018707	-0.00455418	3838.14	5111.14
197.935	-6993	0.00190952	-0.0046474	3836.44	5112.21
199.933	-6992.86	0.00194874	-0.00474155	3834.73	5113.27
201.931	-6992.71	0.00198837	-0.00483665	3833.03	5114.34
203.929	-6992.57	0.00202841	-0.00493269	3831.32	5115.4
205.927	-6992.42	0.00206886	-0.00502966	3829.61	5116.46
207.925	-6992.27	0.00210971	-0.00512758	3827.9	5117.52
209.923	-6992.12	0.00215098	-0.00522644	3826.19	5118.58
211.92	-6991.97	0.00219265	-0.00532623	3824.48	5119.64
213.918	-6991.82	0.00223474	-0.00542697	3822.77	5120.69
215.916	-6991.67	0.00227723	-0.00552864	3821.06	5121.75
217.913	-6991.51	0.00232014	-0.00563125	3819.35	5122.8
219.911	-6991.35	0.00236345	-0.00573481	3817.63	5123.85
221.908	-6991.2	0.00240718	-0.0058393	3815.92	5124.9
223.906	-6991.04	0.00245131	-0.00594473	3814.2	5125.95
225.903	-6990.88	0.00249586	-0.0060511	3812.48	5127

227.901	-6990.71	0.00254082	-0.00615841	3810.76	5128.04
229.898	-6990.55	0.00258619	-0.00626665	3809.04	5129.09
231.895	-6990.39	0.00263197	-0.00637584	3807.32	5130.13
233.893	-6990.22	0.00267817	-0.00648596	3805.6	5131.17
235.89	-6990.05	0.00272478	-0.00659702	3803.88	5132.22
237.887	-6989.88	0.0027718	-0.00670902	3802.16	5133.25
239.884	-6989.71	0.00281923	-0.00682196	3800.43	5134.29
241.881	-6989.54	0.00286708	-0.00693584	3798.7	5135.33
243.878	-6989.36	0.00291534	-0.00705065	3796.98	5136.36
245.875	-6989.19	0.00296401	-0.0071664	3795.25	5137.4
247.872	-6989.01	0.0030131	-0.00728309	3793.52	5138.43
249.869	-6988.83	0.00306261	-0.00740072	3791.79	5139.46
251.866	-6988.66	0.00311253	-0.00751928	3790.06	5140.49
253.863	-6988.48	0.00316286	-0.00763878	3788.33	5141.52
255.859	-6988.29	0.00321361	-0.00775922	3786.6	5142.55
257.856	-6988.11	0.00326478	-0.00788059	3784.86	5143.57
259.853	-6987.92	0.00331636	-0.00800291	3783.13	5144.6
261.849	-6987.74	0.00336835	-0.00812615	3781.39	5145.62
263.846	-6987.55	0.00342077	-0.00825034	3779.65	5146.64
265.842	-6987.36	0.0034736	-0.00837546	3777.92	5147.66
267.838	-6987.17	0.00352685	-0.00850152	3776.18	5148.68
269.835	-6986.98	0.00358051	-0.00862851	3774.44	5149.7
271.831	-6986.78	0.00363459	-0.00875644	3772.7	5150.71
273.827	-6986.59	0.0036891	-0.00888531	3770.95	5151.73
275.823	-6986.39	0.00374401	-0.00901511	3769.21	5152.74
277.82	-6986.19	0.00379935	-0.00914585	3767.47	5153.75
279.816	-6985.99	0.00385511	-0.00927752	3765.72	5154.76
281.812	-6985.79	0.00391128	-0.00941013	3763.98	5155.77
283.808	-6985.59	0.00396788	-0.00954367	3762.23	5156.78
285.803	-6985.39	0.00402489	-0.00967815	3760.48	5157.79
287.799	-6985.18	0.00408233	-0.00981357	3758.73	5158.79
289.795	-6984.98	0.00414018	-0.00994992	3756.98	5159.79
291.791	-6984.77	0.00419846	-0.0100872	3755.23	5160.8
293.786	-6984.56	0.00425715	-0.0102254	3753.48	5161.8
295.782	-6984.35	0.00431627	-0.0103646	3751.72	5162.8
297.777	-6984.14	0.0043758	-0.0105047	3749.97	5163.79
299.773	-6983.92	0.00443576	-0.0106457	3748.22	5164.79
301.768	-6983.71	0.00449615	-0.0107876	3746.46	5165.79
303.764	-6983.49	0.00455695	-0.0109305	3744.7	5166.78
305.759	-6983.27	0.00461817	-0.0110744	3742.94	5167.77
307.754	-6983.05	0.00467982	-0.0112191	3741.18	5168.76
309.749	-6982.83	0.00474189	-0.0113648	3739.42	5169.75
311.744	-6982.61	0.00480439	-0.0115114	3737.66	5170.74
313.739	-6982.39	0.00486731	-0.011659	3735.9	5171.73
315.734	-6982.16	0.00493065	-0.0118075	3734.14	5172.71
317.729	-6981.93	0.00499442	-0.0119569	3732.37	5173.7
319.724	-6981.71	0.00505861	-0.0121073	3730.61	5174.68
321.719	-6981.48	0.00512322	-0.0122586	3728.84	5175.66
323.714	-6981.25	0.00518826	-0.0124108	3727.07	5176.64
325.708	-6981.01	0.00525373	-0.012564	3725.31	5177.62
327.703	-6980.78	0.00531962	-0.0127181	3723.54	5178.59
329.697	-6980.54	0.00538593	-0.0128731	3721.77	5179.57
331.692	-6980.31	0.00545268	-0.0130291	3720	5180.54
333.686	-6980.07	0.00551985	-0.013186	3718.22	5181.52
335.68	-6979.83	0.00558744	-0.0133438	3716.45	5182.49
337.675	-6979.59	0.00565547	-0.0135026	3714.68	5183.46
339.669	-6979.35	0.00572392	-0.0136622	3712.9	5184.43

341.663	-6979.1	0.00579279	-0.0138229	3711.12	5185.39
343.657	-6978.86	0.0058621	-0.0139844	3709.35	5186.36
345.651	-6978.61	0.00593183	-0.0141469	3707.57	5187.32
347.645	-6978.36	0.00600199	-0.0143103	3705.79	5188.29
349.639	-6978.11	0.00607258	-0.0144747	3704.01	5189.25
351.632	-6977.86	0.0061436	-0.01464	3702.23	5190.21
353.626	-6977.61	0.00621505	-0.0148062	3700.44	5191.17
355.62	-6977.36	0.00628693	-0.0149733	3698.66	5192.12
357.613	-6977.1	0.00635924	-0.0151414	3696.88	5193.08
359.607	-6976.84	0.00643198	-0.0153104	3695.09	5194.03
361.6	-6976.59	0.00650514	-0.0154803	3693.31	5194.99
363.593	-6976.33	0.00657874	-0.0156512	3691.52	5195.94
365.587	-6976.07	0.00665277	-0.015823	3689.73	5196.89
367.58	-6975.8	0.00672723	-0.0159957	3687.94	5197.84
369.573	-6975.54	0.00680213	-0.0161694	3686.15	5198.79
371.566	-6975.27	0.00687745	-0.016344	3684.36	5199.73
373.559	-6975.01	0.00695321	-0.0165195	3682.57	5200.68
375.552	-6974.74	0.0070294	-0.016696	3680.77	5201.62
377.544	-6974.47	0.00710602	-0.0168734	3678.98	5202.56
379.537	-6974.2	0.00718307	-0.0170517	3677.18	5203.5
381.53	-6973.93	0.00726056	-0.0172309	3675.39	5204.44
383.522	-6973.65	0.00733848	-0.0174111	3673.59	5205.38
385.515	-6973.38	0.00741684	-0.0175922	3671.79	5206.31
387.507	-6973.1	0.00749562	-0.0177742	3669.99	5207.25
389.499	-6972.82	0.00757485	-0.0179572	3668.19	5208.18
391.492	-6972.54	0.00765451	-0.0181411	3666.39	5209.12
393.484	-6972.26	0.0077346	-0.0183259	3664.59	5210.05
395.476	-6971.98	0.00781513	-0.0185116	3662.78	5210.98
397.468	-6971.7	0.00789609	-0.0186983	3660.98	5211.9
399.46	-6971.41	0.00797749	-0.0188859	3659.18	5212.83
401.452	-6971.12	0.00805932	-0.0190745	3657.37	5213.75
403.443	-6970.84	0.0081416	-0.0192639	3655.56	5214.68
405.435	-6970.55	0.0082243	-0.0194543	3653.75	5215.6
407.427	-6970.25	0.00830745	-0.0196456	3651.94	5216.52
409.418	-6969.96	0.00839103	-0.0198379	3650.13	5217.44
411.409	-6969.67	0.00847505	-0.0200311	3648.32	5218.36
413.401	-6969.37	0.00855951	-0.0202252	3646.51	5219.27
415.392	-6969.08	0.00864441	-0.0204202	3644.7	5220.19
417.383	-6968.78	0.00872974	-0.0206162	3642.88	5221.1
419.374	-6968.48	0.00881551	-0.0208131	3641.07	5222.01
421.365	-6968.18	0.00890173	-0.0210109	3639.25	5222.93
423.356	-6967.87	0.00898838	-0.0212096	3637.44	5223.83
425.347	-6967.57	0.00907547	-0.0214093	3635.62	5224.74
427.338	-6967.26	0.009163	-0.0216099	3633.8	5225.65
429.328	-6966.96	0.00925097	-0.0218114	3631.98	5226.55
431.319	-6966.65	0.00933938	-0.0220139	3630.16	5227.46
433.309	-6966.34	0.00942823	-0.0222173	3628.33	5228.36
435.3	-6966.03	0.00951752	-0.0224216	3626.51	5229.26
437.29	-6965.72	0.00960726	-0.0226268	3624.69	5230.16
439.28	-6965.4	0.00969743	-0.022833	3622.86	5231.06
441.27	-6965.09	0.00978805	-0.0230401	3621.04	5231.96
443.26	-6964.77	0.00987911	-0.0232481	3619.21	5232.85
445.25	-6964.45	0.00997061	-0.023457	3617.38	5233.74
447.24	-6964.13	0.0100626	-0.0236669	3615.55	5234.64
449.23	-6963.81	0.0101549	-0.0238777	3613.72	5235.53
451.219	-6963.49	0.0102478	-0.0240894	3611.89	5236.42
453.209	-6963.16	0.0103411	-0.0243021	3610.06	5237.3

455.198	-6962.84	0.0104348	-0.0245157	3608.23	5238.19
457.188	-6962.51	0.0105289	-0.0247302	3606.39	5239.08
459.177	-6962.18	0.0106235	-0.0249456	3604.56	5239.96
461.166	-6961.85	0.0107186	-0.0251619	3602.72	5240.84
463.155	-6961.52	0.0108141	-0.0253792	3600.89	5241.72
465.144	-6961.19	0.01091	-0.0255974	3599.05	5242.6
467.133	-6960.86	0.0110064	-0.0258166	3597.21	5243.48
469.122	-6960.52	0.0111033	-0.0260366	3595.37	5244.36
471.11	-6960.18	0.0112005	-0.0262576	3593.53	5245.23
473.099	-6959.85	0.0112983	-0.0264795	3591.69	5246.11
475.088	-6959.51	0.0113964	-0.0267023	3589.84	5246.98
477.076	-6959.16	0.0114951	-0.0269261	3588	5247.85
479.064	-6958.82	0.0115941	-0.0271507	3586.16	5248.72
481.052	-6958.48	0.0116936	-0.0273763	3584.31	5249.59
483.041	-6958.13	0.0117936	-0.0276029	3582.46	5250.45
485.029	-6957.78	0.011894	-0.0278303	3580.62	5251.32
487.017	-6957.44	0.0119949	-0.0280587	3578.77	5252.18
489.004	-6957.09	0.0120962	-0.028288	3576.92	5253.05
490.992	-6956.73	0.0121979	-0.0285182	3575.07	5253.91
492.98	-6956.38	0.0123001	-0.0287494	3573.22	5254.77
494.967	-6956.03	0.0124028	-0.0289814	3571.36	5255.62
496.955	-6955.67	0.0125059	-0.0292144	3569.51	5256.48
498.942	-6955.31	0.0126095	-0.0294484	3567.65	5257.34
500.929	-6954.96	0.0127135	-0.0296832	3565.8	5258.19
502.916	-6954.6	0.0128179	-0.029919	3563.94	5259.04
504.903	-6954.24	0.0129228	-0.0301557	3562.09	5259.89
506.89	-6953.87	0.0130282	-0.0303933	3560.23	5260.74
508.877	-6953.51	0.013134	-0.0306318	3558.37	5261.59
510.863	-6953.14	0.0132403	-0.0308713	3556.51	5262.44
512.85	-6952.78	0.013347	-0.0311116	3554.65	5263.28
514.836	-6952.41	0.0134542	-0.0313529	3552.78	5264.13
516.823	-6952.04	0.0135618	-0.0315952	3550.92	5264.97
518.809	-6951.67	0.0136699	-0.0318383	3549.06	5265.81
520.795	-6951.29	0.0137784	-0.0320824	3547.19	5266.65
522.781	-6950.92	0.0138874	-0.0323274	3545.33	5267.49
524.767	-6950.54	0.0139968	-0.0325733	3543.46	5268.32
526.753	-6950.16	0.0141067	-0.0328201	3541.59	5269.16
528.739	-6949.79	0.0142171	-0.0330679	3539.72	5269.99
530.724	-6949.41	0.0143279	-0.0333166	3537.85	5270.82
532.71	-6949.02	0.0144391	-0.0335662	3535.98	5271.65
534.695	-6948.64	0.0145509	-0.0338167	3534.11	5272.48
536.68	-6948.26	0.014663	-0.0340682	3532.24	5273.31
538.666	-6947.87	0.0147756	-0.0343205	3530.36	5274.14
540.651	-6947.48	0.0148887	-0.0345738	3528.49	5274.96
542.636	-6947.1	0.0150023	-0.034828	3526.61	5275.79
544.62	-6946.71	0.0151163	-0.0350832	3524.74	5276.61
546.605	-6946.31	0.0152307	-0.0353392	3522.86	5277.43
548.59	-6945.92	0.0153456	-0.0355962	3520.98	5278.25
550.574	-6945.53	0.015461	-0.0358541	3519.1	5279.07
552.559	-6945.13	0.0155768	-0.0361129	3517.22	5279.88
554.543	-6944.73	0.0156931	-0.0363726	3515.34	5280.7
556.527	-6944.33	0.0158099	-0.0366333	3513.46	5281.51
558.511	-6943.93	0.0159271	-0.0368949	3511.57	5282.32
560.495	-6943.53	0.0160447	-0.0371574	3509.69	5283.13
562.479	-6943.13	0.0161628	-0.0374208	3507.8	5283.94
564.463	-6942.73	0.0162814	-0.0376851	3505.92	5284.75
566.446	-6942.32	0.0164005	-0.0379504	3504.03	5285.56

568.43	-6941.91	0.01652	-0.0382166	3502.14	5286.36
570.413	-6941.5	0.0166399	-0.0384837	3500.25	5287.16
572.396	-6941.09	0.0167604	-0.0387517		3498.36 5287.97
574.379	-6940.68	0.0168813	-0.0390206		3496.47 5288.77
576.362	-6940.27	0.0170026	-0.0392905		3494.58 5289.56
578.345	-6939.85	0.0171244	-0.0395613		3492.68 5290.36
580.328	-6939.44	0.0172467	-0.039833		3490.79 5291.16
582.31	-6939.02	0.0173694	-0.0401056		3488.9 5291.95
584.293	-6938.6	0.0174926	-0.0403791	3487	5292.75
586.275	-6938.18	0.0176163	-0.0406536		3485.1 5293.54
588.257	-6937.76	0.0177404	-0.0409289		3483.2 5294.33
590.24	-6937.34	0.017865	-0.0412052		3481.31 5295.12
592.222	-6936.91	0.0179901	-0.0414824		3479.41 5295.9
594.203	-6936.48	0.0181156	-0.0417606		3477.5 5296.69
596.185	-6936.06	0.0182416	-0.0420396		3475.6 5297.47
598.167	-6935.63	0.018368	-0.0423196		3473.7 5298.25
600.148	-6935.2	0.018495	-0.0426005	3471.8	5299.04
602.13	-6934.77	0.0186223	-0.0428823		3469.89 5299.82
604.111	-6934.33	0.0187502	-0.043165		3467.99 5300.59
606.092	-6933.9	0.0188785	-0.0434486	3466.08	5301.37
608.073	-6933.46	0.0190073	-0.0437332		3464.17 5302.15
610.054	-6933.03	0.0191365	-0.0440187		3462.26 5302.92
612.035	-6932.59	0.0192662	-0.0443051		3460.35 5303.69
614.015	-6932.15	0.0193964	-0.0445924		3458.44 5304.46
615.996	-6931.7	0.0195271	-0.0448806	3456.53	5305.23
617.976	-6931.26	0.0196582	-0.0451697		3454.62 5306
619.957	-6930.82	0.0197898	-0.0454598		3452.71 5306.77
621.937	-6930.37	0.0199218	-0.0457508		3450.79 5307.53
623.917	-6929.92	0.0200544	-0.0460427		3448.88 5308.3
625.897	-6929.47	0.0201874	-0.0463355		3446.96 5309.06
627.876	-6929.02	0.0203208	-0.0466292		3445.05 5309.82
629.856	-6928.57	0.0204548	-0.0469239		3443.13 5310.58
631.835	-6928.12	0.0205892	-0.0472194		3441.21 5311.34
633.815	-6927.66	0.020724	-0.0475159		3439.29 5312.09
635.794	-6927.2	0.0208594	-0.0478133	3437.37	5312.85
637.773	-6926.75	0.0209952	-0.0481116		3435.45 5313.6
639.752	-6926.29	0.0211315	-0.0484109		3433.52 5314.35
641.731	-6925.83	0.0212683	-0.048711		3431.6 5315.1
643.71	-6925.37	0.0214055	-0.0490121		3429.68 5315.85
645.688	-6924.9	0.0215432	-0.049314	3427.75	5316.6
647.667	-6924.44	0.0216814	-0.0496169		3425.82 5317.35
649.645	-6923.97	0.02182	-0.0499207	3423.9	5318.09
651.623	-6923.5	0.0219591	-0.0502255	3421.97	5318.83
653.601	-6923.03	0.0220987	-0.0505311		3420.04 5319.58
655.579	-6922.56	0.0222388	-0.0508377		3418.11 5320.32
657.557	-6922.09	0.0223794	-0.0511451		3416.18 5321.06
659.534	-6921.62	0.0225204	-0.0514535		3414.25 5321.79
661.512	-6921.14	0.0226619	-0.0517628		3412.31 5322.53
663.489	-6920.67	0.0228038	-0.052073		3410.38 5323.26
665.466	-6920.19	0.0229463	-0.0523842		3408.44 5324
667.443	-6919.71	0.0230892	-0.0526962		3406.51 5324.73
669.42	-6919.23	0.0232326	-0.0530092		3404.57 5325.46
671.397	-6918.75	0.0233765	-0.0533231		3402.63 5326.19
673.374	-6918.26	0.0235208	-0.0536379		3400.69 5326.91
675.35	-6917.78	0.0236657	-0.0539536		3398.75 5327.64
677.327	-6917.29	0.023811	-0.0542702		3396.81 5328.36
679.303	-6916.8	0.0239568	-0.0545877	3394.87	5329.08

681.279	-6916.31	0.024103	-0.0549062	3392.93	5329.81
683.255	-6915.82	0.0242498	-0.0552255	3390.99	5330.53
685.231	-6915.33	0.024397	-0.0555458	3389.04	5331.24
687.206	-6914.84	0.0245447	-0.055867	3387.1	5331.96
689.182	-6914.34	0.0246928	-0.0561891	3385.15	5332.68
691.157	-6913.84	0.0248415	-0.0565121	3383.2	5333.39
693.132	-6913.35	0.0249906	-0.056836	3381.25	5334.1
695.107	-6912.85	0.0251402	-0.0571609	3379.3	5334.81
697.082	-6912.35	0.0252903	-0.0574866	3377.35	5335.52
699.057	-6911.84	0.0254409	-0.0578133	3375.4	5336.23
701.032	-6911.34	0.025592	-0.0581409	3373.45	5336.94
703.006	-6910.83	0.0257435	-0.0584694	3371.5	5337.64
704.981	-6910.33	0.0258955	-0.0587988	3369.55	5338.35
706.955	-6909.82	0.026048	-0.0591291	3367.59	5339.05
708.929	-6909.31	0.026201	-0.0594604	3365.63	5339.75
710.903	-6908.8	0.0263545	-0.0597925	3363.68	5340.45
712.876	-6908.28	0.0265084	-0.0601256	3361.72	5341.14
714.85	-6907.77	0.0266629	-0.0604596	3359.76	5341.84
716.823	-6907.25	0.0268178	-0.0607944	3357.8	5342.53
718.797	-6906.74	0.0269732	-0.0611302	3355.84	5343.23
720.77	-6906.22	0.0271291	-0.061467	3353.88	5343.92
722.743	-6905.7	0.0272854	-0.0618046	3351.92	5344.61
724.716	-6905.18	0.0274423	-0.0621431	3349.96	5345.3
726.689	-6904.66	0.0275996	-0.0624826	3347.99	5345.98
728.661	-6904.13	0.0277575	-0.0628229	3346.03	5346.67
730.633	-6903.61	0.0279158	-0.0631642	3344.06	5347.35
732.606	-6903.08	0.0280746	-0.0635064	3342.09	5348.04
734.578	-6902.55	0.0282338	-0.0638495	3340.13	5348.72
736.55	-6902.02	0.0283936	-0.0641935	3338.16	5349.4
738.522	-6901.49	0.0285539	-0.0645384	3336.19	5350.08
740.493	-6900.96	0.0287146	-0.0648842	3334.22	5350.75
742.465	-6900.42	0.0288758	-0.065231	3332.24	5351.43
744.436	-6899.89	0.0290376	-0.0655786	3330.27	5352.1
746.407	-6899.35	0.0291998	-0.0659272	3328.3	5352.77
748.378	-6898.81	0.0293625	-0.0662766	3326.32	5353.44
750.349	-6898.27	0.0295256	-0.066627	3324.35	5354.11
752.32	-6897.73	0.0296893	-0.0669783	3322.37	5354.78
754.29	-6897.19	0.0298535	-0.0673305	3320.4	5355.45
756.261	-6896.64	0.0300181	-0.0676836	3318.42	5356.11
758.231	-6896.1	0.0301833	-0.0680377	3316.44	5356.77
760.201	-6895.55	0.0303489	-0.0683926	3314.46	5357.43
762.171	-6895	0.030515	-0.0687484	3312.48	5358.09
764.141	-6894.45	0.0306816	-0.0691052	3310.5	5358.75
766.11	-6893.9	0.0308487	-0.0694629	3308.51	5359.41
768.08	-6893.35	0.0310163	-0.0698214	3306.53	5360.07
770.049	-6892.79	0.0311844	-0.0701809	3304.55	5360.72
772.018	-6892.24	0.031353	-0.0705413	3302.56	5361.37
773.987	-6891.68	0.0315221	-0.0709026	3300.57	5362.02
775.956	-6891.12	0.0316916	-0.0712648	3298.59	5362.67
777.924	-6890.56	0.0318617	-0.0716279	3296.6	5363.32
779.893	-6890	0.0320322	-0.071992	3294.61	5363.97
781.861	-6889.44	0.0322033	-0.0723569	3292.62	5364.61
783.829	-6888.87	0.0323748	-0.0727227	3290.63	5365.26
785.797	-6888.31	0.0325469	-0.0730895	3288.64	5365.9
787.765	-6887.74	0.0327194	-0.0734572	3286.64	5366.54
789.733	-6887.17	0.0328924	-0.0738257	3284.65	5367.18
791.7	-6886.6	0.0330659	-0.0741952	3282.65	5367.82

793.667	-6886.03	0.0332399	-0.0745656	3280.66	5368.45
795.634	-6885.45	0.0334145	-0.0749369	3278.66	5369.09
797.601	-6884.88	0.0335895	-0.0753091	3276.66	5369.72
799.568	-6884.3	0.033765	-0.0756822	3274.67	5370.35
801.535	-6883.73	0.033941	-0.0760563	3272.67	5370.98
803.501	-6883.15	0.0341175	-0.0764312	3270.67	5371.61
805.468	-6882.57	0.0342945	-0.076807	3268.66	5372.24
807.434	-6881.98	0.034472	-0.0771838	3266.66	5372.86
809.4	-6881.4	0.0346499	-0.0775614	3264.66	5373.49
811.365	-6880.81	0.0348284	-0.07794	3262.66	5374.11
813.331	-6880.23	0.0350074	-0.0783195	3260.65	5374.73
815.297	-6879.64	0.0351869	-0.0786999	3258.64	5375.35
817.262	-6879.05	0.0353669	-0.0790812	3256.64	5375.97
819.227	-6878.46	0.0355474	-0.0794633	3254.63	5376.58
821.192	-6877.87	0.0357284	-0.0798464	3252.62	5377.2
823.157	-6877.27	0.0359099	-0.0802305	3250.61	5377.81
825.121	-6876.68	0.0360918	-0.0806154	3248.6	5378.42
827.086	-6876.08	0.0362743	-0.0810012	3246.59	5379.03
829.05	-6875.48	0.0364573	-0.0813879	3244.58	5379.64
831.014	-6874.89	0.0366408	-0.0817756	3242.57	5380.25
832.978	-6874.29	0.0368248	-0.0821641	3240.55	5380.85
834.941	-6873.68	0.0370093	-0.0825536	3238.54	5381.46
836.905	-6873.08	0.0371943	-0.0829439	3236.52	5382.06
838.868	-6872.47	0.0373798	-0.0833352	3234.5	5382.66
840.832	-6871.87	0.0375658	-0.0837274	3232.49	5383.26
842.795	-6871.26	0.0377523	-0.0841204	3230.47	5383.86
844.757	-6870.65	0.0379393	-0.0845144	3228.45	5384.46
846.72	-6870.04	0.0381269	-0.0849093	3226.43	5385.05
848.683	-6869.43	0.0383149	-0.0853051	3224.41	5385.65
850.645	-6868.81	0.0385034	-0.0857018	3222.38	5386.24
852.607	-6868.2	0.0386924	-0.0860994	3220.36	5386.83
854.569	-6867.58	0.038882	-0.0864979	3218.34	5387.42
856.531	-6866.96	0.039072	-0.0868973	3216.31	5388
858.492	-6866.34	0.0392626	-0.0872977	3214.28	5388.59
860.453	-6865.72	0.0394536	-0.0876989	3212.26	5389.17
862.415	-6865.1	0.0396452	-0.088101	3210.23	5389.76
864.376	-6864.48	0.0398373	-0.0885041	3208.2	5390.34
866.336	-6863.85	0.0400298	-0.088908	3206.17	5390.92
868.297	-6863.22	0.0402229	-0.0893128	3204.14	5391.5
870.258	-6862.6	0.0404165	-0.0897186	3202.11	5392.07
872.218	-6861.97	0.0406106	-0.0901253	3200.08	5392.65
874.178	-6861.33	0.0408052	-0.0905328	3198.04	5393.22
876.138	-6860.7	0.0410003	-0.0909413	3196.01	5393.79
878.098	-6860.07	0.041196	-0.0913507	3193.98	5394.37
880.057	-6859.43	0.0413921	-0.0917609	3191.94	5394.94
882.016	-6858.79	0.0415888	-0.0921721	3189.9	5395.5
883.976	-6858.16	0.0417859	-0.0925842	3187.86	5396.07
885.935	-6857.52	0.0419836	-0.0929972	3185.83	5396.63
887.893	-6856.87	0.0421818	-0.0934111	3183.79	5397.2
889.852	-6856.23	0.0423805	-0.0938259	3181.75	5397.76
891.81	-6855.59	0.0425797	-0.0942416	3179.7	5398.32
893.769	-6854.94	0.0427794	-0.0946582	3177.66	5398.88
895.727	-6854.29	0.0429796	-0.0950757	3175.62	5399.43
897.685	-6853.65	0.0431804	-0.0954941	3173.57	5399.99
899.642	-6853	0.0433816	-0.0959134	3171.53	5400.54
901.6	-6852.34	0.0435834	-0.0963336	3169.48	5401.09
903.557	-6851.69	0.0437857	-0.0967547	3167.44	5401.64

905.514	-6851.04	0.0439885	-0.0971768	3165.39	5402.19
907.471	-6850.38	0.0441918	-0.0975997	3163.34	5402.74
909.428	-6849.72	0.0443956	-0.0980235	3161.29	5403.29
911.384	-6849.06	0.0445999	-0.0984483	3159.24	5403.83
913.341	-6848.4	0.0448048	-0.0988739	3157.19	5404.37
915.297	-6847.74	0.0450101	-0.0993004	3155.14	5404.92
917.253	-6847.08	0.045216	-0.0997279	3153.08	5405.46
919.208	-6846.42	0.0454224	-0.100156	3151.03	5405.99
921.164	-6845.75	0.0456294	-0.100585	3148.98	5406.53
923.119	-6845.08	0.0458368	-0.101016	3146.92	5407.07
925.075	-6844.41	0.0460447	-0.101447	3144.86	5407.6
927.03	-6843.74	0.0462532	-0.101879	3142.81	5408.13
928.984	-6843.07	0.0464622	-0.102311	3140.75	5408.66
930.939	-6842.4	0.0466717	-0.102745	3138.69	5409.19
932.893	-6841.72	0.0468817	-0.10318	3136.63	5409.72
934.847	-6841.05	0.0470923	-0.103615	3134.57	5410.24
936.801	-6840.37	0.0473033	-0.104052	3132.5	5410.77
938.755	-6839.69	0.0475149	-0.104489	3130.44	5411.29
940.709	-6839.01	0.047727	-0.104928	3128.38	5411.81
942.662	-6838.33	0.0479396	-0.105367	3126.31	5412.33
944.615	-6837.64	0.0481528	-0.105807	3124.25	5412.85
946.568	-6836.96	0.0483664	-0.106248	3122.18	5413.37
948.521	-6836.27	0.0485806	-0.10669	3120.11	5413.88
950.474	-6835.58	0.0487953	-0.107132	3118.04	5414.4
952.426	-6834.89	0.0490106	-0.107576	3115.97	5414.91
954.378	-6834.2	0.0492263	-0.108021	3113.9	5415.42
956.33	-6833.51	0.0494426	-0.108466	3111.83	5415.93
958.282	-6832.82	0.0496594	-0.108912	3109.76	5416.44
960.234	-6832.12	0.0498767	-0.10936	3107.69	5416.94
962.185	-6831.42	0.0500946	-0.109808	3105.61	5417.45
964.136	-6830.73	0.0503129	-0.110257	3103.54	5417.95
966.087	-6830.03	0.0505318	-0.110707	3101.46	5418.45
968.038	-6829.33	0.0507512	-0.111158	3099.39	5418.95
969.988	-6828.62	0.0509712	-0.11161	3097.31	5419.45
971.939	-6827.92	0.0511916	-0.112062	3095.23	5419.94
973.889	-6827.21	0.0514126	-0.112516	3093.15	5420.44
975.839	-6826.51	0.0516341	-0.11297	3091.07	5420.93
977.788	-6825.8	0.0518562	-0.113426	3088.99	5421.42
979.738	-6825.09	0.0520787	-0.113882	3086.91	5421.91
981.687	-6824.38	0.0523018	-0.114339	3084.83	5422.4
983.636	-6823.66	0.0525255	-0.114797	3082.74	5422.89
985.585	-6822.95	0.0527496	-0.115256	3080.66	5423.37
987.534	-6822.23	0.0529743	-0.115716	3078.57	5423.86
989.482	-6821.52	0.0531995	-0.116177	3076.49	5424.34
991.43	-6820.8	0.0534252	-0.116638	3074.4	5424.82
993.378	-6820.08	0.0536515	-0.117101	3072.31	5425.3
995.326	-6819.36	0.0538783	-0.117564	3070.22	5425.78
997.274	-6818.63	0.0541056	-0.118029	3068.14	5426.25
999.221	-6817.91	0.0543334	-0.118494	3066.04	5426.73
1001.17	-6817.18	0.0545618	-0.11896	3063.95	5427.2
1003.12	-6816.46	0.0547907	-0.119427	3061.86	5427.67
1005.06	-6815.73	0.0550202	-0.119895	3059.77	5428.14
1007.01	-6815	0.0552502	-0.120364	3057.67	5428.61
1008.95	-6814.27	0.0554807	-0.120834	3055.58	5429.08
1010.9	-6813.53	0.0557117	-0.121305	3053.48	5429.54
1012.85	-6812.8	0.0559433	-0.121776	3051.38	5430.01
1014.79	-6812.06	0.0561754	-0.122249	3049.29	5430.47

1016.74	-6811.33	0.056408	-0.122722	3047.19	5430.93
1018.68	-6810.59	0.0566412	-0.123196	3045.09	5431.39
1020.63	-6809.85	0.0568749	-0.123671	3042.99	5431.84
1022.57	-6809.1	0.0571091	-0.124147	3040.89	5432.3
1024.52	-6808.36	0.0573439	-0.124624	3038.79	5432.75
1026.46	-6807.62	0.0575792	-0.125102	3036.68	5433.21
1028.41	-6806.87	0.057815	-0.125581	3034.58	5433.66
1030.35	-6806.12	0.0580514	-0.12606	3032.47	5434.11
1032.29	-6805.37	0.0582883	-0.126541	3030.37	5434.55
1034.24	-6804.62	0.0585257	-0.127022	3028.26	5435
1036.18	-6803.87	0.0587637	-0.127505	3026.15	5435.45
1038.12	-6803.12	0.0590023	-0.127988	3024.05	5435.89
1040.07	-6802.36	0.0592413	-0.128472	3021.94	5436.33
1042.01	-6801.61	0.0594809	-0.128957	3019.83	5436.77
1043.95	-6800.85	0.059721	-0.129443	3017.71	5437.21
1045.89	-6800.09	0.0599617	-0.12993	3015.6	5437.64
1047.84	-6799.33	0.0602029	-0.130417	3013.49	5438.08
1049.78	-6798.57	0.0604446	-0.130906	3011.38	5438.51
1051.72	-6797.8	0.0606869	-0.131396	3009.26	5438.95
1053.66	-6797.04	0.0609297	-0.131886	3007.15	5439.38
1055.6	-6796.27	0.0611731	-0.132377	3005.03	5439.8
1057.54	-6795.5	0.061417	-0.132869	3002.91	5440.23
1059.48	-6794.73	0.0616615	-0.133362	3000.8	5440.66
1061.42	-6793.96	0.0619064	-0.133856	2998.68	5441.08
1063.36	-6793.19	0.062152	-0.134351	2996.56	5441.5
1065.3	-6792.42	0.062398	-0.134847	2994.44	5441.92
1067.24	-6791.64	0.0626446	-0.135344	2992.31	5442.34
1069.18	-6790.86	0.0628918	-0.135841	2990.19	5442.76
1071.12	-6790.09	0.0631395	-0.13634	2988.07	5443.18
1073.06	-6789.31	0.0633877	-0.136839	2985.95	5443.59
1075	-6788.52	0.0636365	-0.137339	2983.82	5444
1076.94	-6787.74	0.0638858	-0.13784	2981.69	5444.42
1078.87	-6786.96	0.0641357	-0.138342	2979.57	5444.83
1080.81	-6786.17	0.0643861	-0.138845	2977.44	5445.23
1082.75	-6785.39	0.064637	-0.139349	2975.31	5445.64
1084.69	-6784.6	0.0648885	-0.139854	2973.18	5446.05
1086.63	-6783.81	0.0651405	-0.140359	2971.05	5446.45
1088.56	-6783.02	0.0653931	-0.140866	2968.92	5446.85
1090.5	-6782.22	0.0656463	-0.141373	2966.79	5447.25
1092.44	-6781.43	0.0658999	-0.141882	2964.66	5447.65
1094.37	-6780.63	0.0661542	-0.142391	2962.52	5448.05
1096.31	-6779.83	0.0664089	-0.142901	2960.39	5448.44
1098.24	-6779.04	0.0666643	-0.143412	2958.25	5448.83
1100.18	-6778.24	0.0669201	-0.143924	2956.12	5449.23
1102.12	-6777.43	0.0671765	-0.144436	2953.98	5449.62
1104.05	-6776.63	0.0674335	-0.14495	2951.84	5450.01
1105.99	-6775.83	0.067691	-0.145465	2949.7	5450.39
1107.92	-6775.02	0.0679491	-0.14598	2947.56	5450.78
1109.85	-6774.21	0.0682077	-0.146496	2945.42	5451.16
1111.79	-6773.4	0.0684668	-0.147014	2943.28	5451.55
1113.72	-6772.59	0.0687266	-0.147532	2941.14	5451.93
1115.66	-6771.78	0.0689868	-0.148051	2938.99	5452.31
1117.59	-6770.97	0.0692476	-0.148571	2936.85	5452.68
1119.52	-6770.15	0.069509	-0.149091	2934.7	5453.06
1121.46	-6769.34	0.0697709	-0.149613	2932.56	5453.43
1123.39	-6768.52	0.0700334	-0.150136	2930.41	5453.81
1125.32	-6767.7	0.0702964	-0.150659	2928.26	5454.18

1127.25	-6766.88	0.0705599	-0.151183	2926.12	5454.55
1129.19	-6766.06	0.0708241	-0.151709	2923.97	5454.92
1131.12	-6765.23	0.0710887	-0.152235	2921.82	5455.28
1133.05	-6764.41	0.071354	-0.152762	2919.67	5455.65
1134.98	-6763.58	0.0716197	-0.15329	2917.51	5456.01
1136.91	-6762.75	0.0718861	-0.153819	2915.36	5456.37
1138.84	-6761.92	0.072153	-0.154348	2913.21	5456.73
1140.77	-6761.09	0.0724204	-0.154879	2911.05	5457.09
1142.7	-6760.26	0.0726884	-0.15541	2908.9	5457.45
1144.63	-6759.42	0.072957	-0.155943	2906.74	5457.8
1146.56	-6758.59	0.0732261	-0.156476	2904.58	5458.16
1148.49	-6757.75	0.0734957	-0.15701	2902.43	5458.51
1150.42	-6756.91	0.073766	-0.157545	2900.27	5458.86
1152.35	-6756.07	0.0740367	-0.158081	2898.11	5459.21
1154.28	-6755.23	0.0743081	-0.158618	2895.95	5459.55
1156.21	-6754.39	0.07458	-0.159156	2893.79	5459.9
1158.14	-6753.55	0.0748524	-0.159695	2891.62	5460.24
1160.06	-6752.7	0.0751254	-0.160234	2889.46	5460.58
1161.99	-6751.85	0.075399	-0.160774	2887.3	5460.93
1163.92	-6751	0.0756731	-0.161316	2885.13	5461.26
1165.85	-6750.15	0.0759478	-0.161858	2882.97	5461.6
1167.77	-6749.3	0.0762231	-0.162401	2880.8	5461.94
1169.7	-6748.45	0.0764989	-0.162945	2878.63	5462.27
1171.63	-6747.59	0.0767752	-0.16349	2876.46	5462.6
1173.55	-6746.74	0.0770522	-0.164036	2874.3	5462.94
1175.48	-6745.88	0.0773297	-0.164582	2872.13	5463.26
1177.41	-6745.02	0.0776077	-0.16513	2869.95	5463.59
1179.33	-6744.16	0.0778863	-0.165678	2867.78	5463.92
1181.26	-6743.3	0.0781655	-0.166228	2865.61	5464.24
1183.18	-6742.44	0.0784452	-0.166778	2863.44	5464.56
1185.11	-6741.57	0.0787255	-0.167329	2861.26	5464.89
1187.03	-6740.7	0.0790064	-0.167881	2859.09	5465.21
1188.96	-6739.84	0.0792878	-0.168434	2856.91	5465.52
1190.88	-6738.97	0.0795698	-0.168987	2854.73	5465.84
1192.8	-6738.1	0.0798524	-0.169542	2852.56	5466.15
1194.73	-6737.22	0.0801355	-0.170098	2850.38	5466.47
1196.65	-6736.35	0.0804192	-0.170654	2848.2	5466.78
1198.57	-6735.47	0.0807034	-0.171211	2846.02	5467.09
1200.5	-6734.6	0.0809882	-0.17177	2843.84	5467.4
1202.42	-6733.72	0.0812736	-0.172329	2841.66	5467.7
1204.34	-6732.84	0.0815596	-0.172889	2839.47	5468.01
1206.26	-6731.96	0.0818461	-0.17345	2837.29	5468.31
1208.18	-6731.07	0.0821332	-0.174011	2835.11	5468.61
1210.11	-6730.19	0.0824208	-0.174574	2832.92	5468.91
1212.03	-6729.3	0.082709	-0.175137	2830.73	5469.21
1213.95	-6728.42	0.0829978	-0.175702	2828.55	5469.51
1215.87	-6727.53	0.0832872	-0.176267	2826.36	5469.8
1217.79	-6726.64	0.0835771	-0.176833	2824.17	5470.09
1219.71	-6725.75	0.0838676	-0.1774	2821.98	5470.39
1221.63	-6724.85	0.0841586	-0.177968	2819.79	5470.68
1223.55	-6723.96	0.0844503	-0.178537	2817.6	5470.96
1225.47	-6723.06	0.0847425	-0.179107	2815.41	5471.25
1227.39	-6722.17	0.0850352	-0.179678	2813.21	5471.54
1229.3	-6721.27	0.0853286	-0.180249	2811.02	5471.82
1231.22	-6720.37	0.0856225	-0.180822	2808.83	5472.1
1233.14	-6719.46	0.085917	-0.181395	2806.63	5472.38
1235.06	-6718.56	0.0862121	-0.181969	2804.43	5472.66

1236.98	-6717.66	0.0865077	-0.182544	2802.24	5472.94
1238.89	-6716.75	0.0868039	-0.18312	2800.04	5473.21
1240.81	-6715.84	0.0871007	-0.183697	2797.84	5473.49
1242.73	-6714.93	0.087398	-0.184275	2795.64	5473.76
1244.64	-6714.02	0.0876959	-0.184853	2793.44	5474.03
1246.56	-6713.11	0.0879944	-0.185433	2791.24	5474.3
1248.48	-6712.2	0.0882935	-0.186013	2789.04	5474.56
1250.39	-6711.28	0.0885932	-0.186595	2786.83	5474.83
1252.31	-6710.37	0.0888934	-0.187177	2784.63	5475.09
1254.22	-6709.45	0.0891942	-0.18776	2782.43	5475.35
1256.14	-6708.53	0.0894956	-0.188344	2780.22	5475.61
1258.05	-6707.61	0.0897975	-0.188929	2778.01	5475.87
1259.97	-6706.68	0.0901001	-0.189514	2775.81	5476.13
1261.88	-6705.76	0.0904032	-0.190101	2773.6	5476.38
1263.79	-6704.84	0.0907069	-0.190688	2771.39	5476.64
1265.71	-6703.91	0.0910111	-0.191277	2769.18	5476.89
1267.62	-6702.98	0.091316	-0.191866	2766.97	5477.14
1269.53	-6702.05	0.0916214	-0.192456	2764.76	5477.39
1271.45	-6701.12	0.0919274	-0.193047	2762.55	5477.64
1273.36	-6700.19	0.092234	-0.193639	2760.33	5477.88
1275.27	-6699.25	0.0925411	-0.194232	2758.12	5478.13
1277.18	-6698.32	0.0928489	-0.194826	2755.9	5478.37
1279.1	-6697.38	0.0931572	-0.19542	2753.69	5478.61
1281.01	-6696.44	0.0934661	-0.196016	2751.47	5478.85
1282.92	-6695.5	0.0937756	-0.196612	2749.25	5479.08
1284.83	-6694.56	0.0940856	-0.197209	2747.04	5479.32
1286.74	-6693.61	0.0943963	-0.197807	2744.82	5479.55
1288.65	-6692.67	0.0947075	-0.198406	2742.6	5479.79
1290.56	-6691.72	0.0950193	-0.199006	2740.38	5480.02
1292.47	-6690.78	0.0953317	-0.199607	2738.16	5480.24
1294.38	-6689.83	0.0956447	-0.200209	2735.93	5480.47
1296.29	-6688.88	0.0959582	-0.200811	2733.71	5480.7
1298.19	-6687.92	0.0962724	-0.201415	2731.49	5480.92
1300.1	-6686.97	0.0965871	-0.202019	2729.26	5481.14
1302.01	-6686.01	0.0969024	-0.202624	2727.04	5481.36
1303.92	-6685.06	0.0972183	-0.20323	2724.81	5481.58
1305.83	-6684.1	0.0975348	-0.203837	2722.58	5481.8
1307.73	-6683.14	0.0978519	-0.204445	2720.35	5482.01
1309.64	-6682.18	0.0981695	-0.205054	2718.12	5482.23
1311.55	-6681.22	0.0984878	-0.205663	2715.89	5482.44
1313.45	-6680.25	0.0988066	-0.206274	2713.66	5482.65
1315.36	-6679.29	0.099126	-0.206885	2711.43	5482.86
1317.27	-6678.32	0.099446	-0.207497	2709.2	5483.07
1319.17	-6677.35	0.0997666	-0.20811	2706.97	5483.27
1321.08	-6676.38	0.100088	-0.208725	2704.73	5483.47
1322.98	-6675.41	0.10041	-0.209339	2702.5	5483.68
1324.89	-6674.44	0.100732	-0.209955	2700.26	5483.88
1326.79	-6673.47	0.101055	-0.210572	2698.03	5484.08
1328.69	-6672.49	0.101378	-0.211189	2695.79	5484.27
1330.6	-6671.51	0.101703	-0.211808	2693.55	5484.47
1332.5	-6670.53	0.102027	-0.212427	2691.31	5484.66
1334.41	-6669.55	0.102353	-0.213047	2689.07	5484.85
1336.31	-6668.57	0.102678	-0.213668	2686.83	5485.04
1338.21	-6667.59	0.103005	-0.21429	2684.59	5485.23
1340.11	-6666.6	0.103332	-0.214913	2682.35	5485.42
1342.01	-6665.62	0.10366	-0.215537	2680.11	5485.6
1343.92	-6664.63	0.103988	-0.216162	2677.86	5485.79

1345.82	-6663.64	0.104317	-0.216787	2675.62	5485.97
1347.72	-6662.65	0.104646	-0.217413	2673.37	5486.15
1349.62	-6661.66	0.104976	-0.218041	2671.12	5486.33
1351.52	-6660.66	0.105307	-0.218669	2668.88	5486.5
1353.42	-6659.67	0.105638	-0.219298	2666.63	5486.68
1355.32	-6658.67	0.10597	-0.219928	2664.38	5486.85
1357.22	-6657.67	0.106303	-0.220559	2662.13	5487.02
1359.12	-6656.67	0.106636	-0.22119	2659.88	5487.19
1361.02	-6655.67	0.106969	-0.221823	2657.63	5487.36
1362.92	-6654.67	0.107303	-0.222456	2655.38	5487.53
1364.81	-6653.67	0.107638	-0.22309	2653.12	5487.69
1366.71	-6652.66	0.107974	-0.223726	2650.87	5487.86
1368.61	-6651.65	0.10831	-0.224362	2648.62	5488.02
1370.51	-6650.65	0.108646	-0.224999	2646.36	5488.18
1372.41	-6649.64	0.108984	-0.225636	2644.11	5488.34
1374.3	-6648.62	0.109321	-0.226275	2641.85	5488.49
1376.2	-6647.61	0.10966	-0.226915	2639.59	5488.65
1378.09	-6646.6	0.109999	-0.227555	2637.33	5488.8
1379.99	-6645.58	0.110338	-0.228197	2635.07	5488.95
1381.89	-6644.56	0.110679	-0.228839	2632.81	5489.1
1383.78	-6643.54	0.111019	-0.229482	2630.55	5489.25
1385.68	-6642.52	0.111361	-0.230126	2628.29	5489.39
1387.57	-6641.5	0.111703	-0.230771	2626.03	5489.54
1389.47	-6640.48	0.112046	-0.231417	2623.76	5489.68
1391.36	-6639.45	0.112389	-0.232063	2621.5	5489.82
1393.25	-6638.43	0.112733	-0.232711	2619.23	5489.96
1395.15	-6637.4	0.113077	-0.233359	2616.97	5490.1
1397.04	-6636.37	0.113422	-0.234008	2614.7	5490.23
1398.93	-6635.34	0.113768	-0.234658	2612.43	5490.37
1400.83	-6634.31	0.114114	-0.235309	2610.16	5490.5
1402.72	-6633.27	0.114461	-0.235961	2607.9	5490.63
1404.61	-6632.24	0.114808	-0.236614	2605.63	5490.76
1406.5	-6631.2	0.115156	-0.237268	2603.35	5490.89
1408.39	-6630.16	0.115505	-0.237922	2601.08	5491.01
1410.28	-6629.12	0.115854	-0.238578	2598.81	5491.14
1412.17	-6628.08	0.116204	-0.239234	2596.54	5491.26
1414.06	-6627.04	0.116555	-0.239891	2594.26	5491.38
1415.95	-6626	0.116906	-0.240549	2591.99	5491.5
1417.84	-6624.95	0.117257	-0.241208	2589.71	5491.62
1419.73	-6623.9	0.11761	-0.241868	2587.44	5491.73
1421.62	-6622.85	0.117963	-0.242529	2585.16	5491.85
1423.51	-6621.8	0.118316	-0.24319	2582.88	5491.96
1425.4	-6620.75	0.11867	-0.243853	2580.6	5492.07
1427.29	-6619.7	0.119025	-0.244516	2578.32	5492.18
1429.17	-6618.64	0.11938	-0.24518	2576.04	5492.28
1431.06	-6617.59	0.119736	-0.245845	2573.76	5492.39
1432.95	-6616.53	0.120093	-0.246511	2571.48	5492.49
1434.84	-6615.47	0.12045	-0.247178	2569.19	5492.59
1436.72	-6614.41	0.120808	-0.247846	2566.91	5492.69
1438.61	-6613.35	0.121166	-0.248514	2564.63	5492.79
1440.49	-6612.29	0.121525	-0.249184	2562.34	5492.89
1442.38	-6611.22	0.121885	-0.249854	2560.05	5492.98
1444.26	-6610.15	0.122245	-0.250525	2557.77	5493.07
1446.15	-6609.09	0.122606	-0.251197	2555.48	5493.17
1448.03	-6608.02	0.122968	-0.25187	2553.19	5493.26
1449.92	-6606.95	0.12333	-0.252544	2550.9	5493.34
1451.8	-6605.87	0.123692	-0.253219	2548.61	5493.43

1453.69	-6604.8	0.124056	-0.253895	2546.32	5493.51
1455.57	-6603.72	0.12442	-0.254571	2544.03	5493.6
1457.45	-6602.65	0.124784	-0.255248	2541.74	5493.68
1459.33	-6601.57	0.125149	-0.255927	2539.44	5493.76
1461.22	-6600.49	0.125515	-0.256606	2537.15	5493.83
1463.1	-6599.41	0.125881	-0.257286	2534.85	5493.91
1464.98	-6598.32	0.126248	-0.257966	2532.56	5493.98
1466.86	-6597.24	0.126616	-0.258648	2530.26	5494.06
1468.74	-6596.15	0.126984	-0.259331	2527.96	5494.13
1470.62	-6595.06	0.127353	-0.260014	2525.66	5494.19
1472.5	-6593.98	0.127723	-0.260699	2523.37	5494.26
1474.38	-6592.89	0.128093	-0.261384	2521.07	5494.33
1476.26	-6591.79	0.128464	-0.26207	2518.77	5494.39
1478.14	-6590.7	0.128835	-0.262757	2516.46	5494.45
1480.02	-6589.6	0.129207	-0.263445	2514.16	5494.51
1481.9	-6588.51	0.12958	-0.264134	2511.86	5494.57
1483.78	-6587.41	0.129953	-0.264823	2509.55	5494.63
1485.65	-6586.31	0.130327	-0.265514	2507.25	5494.68
1487.53	-6585.21	0.130701	-0.266205	2504.94	5494.73
1489.41	-6584.11	0.131076	-0.266897	2502.64	5494.78
1491.29	-6583	0.131452	-0.26759	2500.33	5494.83
1493.16	-6581.9	0.131828	-0.268284	2498.02	5494.88
1495.04	-6580.79	0.132205	-0.268979	2495.71	5494.93
1496.91	-6579.68	0.132583	-0.269675	2493.41	5494.97
1498.79	-6578.57	0.132961	-0.270371	2491.09	5495.01
1500.66	-6577.46	0.13334	-0.271069	2488.78	5495.06
1502.54	-6576.35	0.133719	-0.271767	2486.47	5495.09
1504.41	-6575.23	0.134099	-0.272467	2484.16	5495.13
1506.29	-6574.12	0.13448	-0.273167	2481.85	5495.17
1508.16	-6573	0.134861	-0.273868	2479.53	5495.2
1510.03	-6571.88	0.135243	-0.274569	2477.22	5495.23
1511.91	-6570.76	0.135626	-0.275272	2474.9	5495.26
1513.78	-6569.64	0.136009	-0.275976	2472.58	5495.29
1515.65	-6568.51	0.136393	-0.27668	2470.27	5495.32
1517.52	-6567.39	0.136777	-0.277386	2467.95	5495.34
1519.4	-6566.26	0.137162	-0.278092	2465.63	5495.37
1521.27	-6565.13	0.137548	-0.278799	2463.31	5495.39
1523.14	-6564.01	0.137934	-0.279507	2460.99	5495.41
1525.01	-6562.87	0.138321	-0.280216	2458.67	5495.42
1526.88	-6561.74	0.138709	-0.280925	2456.35	5495.44
1528.75	-6560.61	0.139097	-0.281636	2454.02	5495.46
1530.62	-6559.47	0.139486	-0.282347	2451.7	5495.47
1532.49	-6558.34	0.139876	-0.28306	2449.38	5495.48
1534.36	-6557.2	0.140266	-0.283773	2447.05	5495.49
1536.23	-6556.06	0.140657	-0.284487	2444.72	5495.5
1538.09	-6554.92	0.141048	-0.285202	2442.4	5495.5
1539.96	-6553.77	0.14144	-0.285918	2440.07	5495.5
1541.83	-6552.63	0.141833	-0.286634	2437.74	5495.51
1543.7	-6551.48	0.142226	-0.287352	2435.41	5495.51
1545.56	-6550.33	0.14262	-0.28807	2433.08	5495.5
1547.43	-6549.19	0.143015	-0.288789	2430.75	5495.5
1549.3	-6548.03	0.14341	-0.28951	2428.42	5495.5
1551.16	-6546.88	0.143806	-0.290231	2426.09	5495.49
1553.03	-6545.73	0.144202	-0.290953	2423.75	5495.48
1554.89	-6544.57	0.144599	-0.291675	2421.42	5495.47
1556.76	-6543.42	0.144997	-0.292399	2419.09	5495.46
1558.62	-6542.26	0.145395	-0.293124	2416.75	5495.44

1560.48	-6541.1	0.145794	-0.293849	2414.41	5495.43
1562.35	-6539.94	0.146194	-0.294575	2412.08	5495.41
1564.21	-6538.78	0.146594	-0.295302	2409.74	5495.39
1566.07	-6537.61	0.146995	-0.29603	2407.4	5495.37
1567.94	-6536.45	0.147397	-0.296759	2405.06	5495.35
1569.8	-6535.28	0.147799	-0.297489	2402.72	5495.32
1571.66	-6534.11	0.148202	-0.29822	2400.38	5495.3
1573.52	-6532.94	0.148606	-0.298951	2398.04	5495.27
1575.38	-6531.77	0.14901	-0.299683	2395.7	5495.24
1577.24	-6530.6	0.149414	-0.300417	2393.35	5495.21
1579.1	-6529.42	0.14982	-0.301151	2391.01	5495.17
1580.96	-6528.24	0.150226	-0.301886	2388.66	5495.14
1582.82	-6527.07	0.150633	-0.302621	2386.32	5495.1
1584.68	-6525.89	0.15104	-0.303358	2383.97	5495.06
1586.54	-6524.71	0.151448	-0.304096	2381.63	5495.02
1588.4	-6523.52	0.151857	-0.304834	2379.28	5494.98
1590.26	-6522.34	0.152266	-0.305573	2376.93	5494.93
1592.12	-6521.16	0.152676	-0.306314	2374.58	5494.89
1593.97	-6519.97	0.153086	-0.307055	2372.23	5494.84
1595.83	-6518.78	0.153498	-0.307797	2369.88	5494.79
1597.69	-6517.59	0.15391	-0.308539	2367.53	5494.74
1599.54	-6516.4	0.154322	-0.309283	2365.17	5494.69
1601.4	-6515.21	0.154735	-0.310028	2362.82	5494.63
1603.25	-6514.01	0.155149	-0.310773	2360.47	5494.57
1605.11	-6512.82	0.155564	-0.311519	2358.11	5494.52
1606.96	-6511.62	0.155979	-0.312266	2355.76	5494.46
1608.82	-6510.42	0.156394	-0.313014	2353.4	5494.39
1610.67	-6509.22	0.156811	-0.313763	2351.04	5494.33
1612.53	-6508.02	0.157228	-0.314513	2348.68	5494.26
1614.38	-6506.82	0.157646	-0.315263	2346.33	5494.2
1616.23	-6505.61	0.158064	-0.316015	2343.97	5494.13
1618.08	-6504.4	0.158483	-0.316767	2341.61	5494.05
1619.94	-6503.2	0.158903	-0.31752	2339.24	5493.98
1621.79	-6501.99	0.159323	-0.318274	2336.88	5493.91
1623.64	-6500.78	0.159744	-0.319029	2334.52	5493.83
1625.49	-6499.56	0.160165	-0.319785	2332.16	5493.75
1627.34	-6498.35	0.160588	-0.320542	2329.79	5493.67
1629.19	-6497.13	0.161011	-0.321299	2327.43	5493.59
1631.04	-6495.92	0.161434	-0.322058	2325.06	5493.51
1632.89	-6494.7	0.161858	-0.322817	2322.7	5493.42
1634.74	-6493.48	0.162283	-0.323577	2320.33	5493.33
1636.59	-6492.26	0.162709	-0.324338	2317.96	5493.24
1638.44	-6491.03	0.163135	-0.3251	2315.59	5493.15
1640.29	-6489.81	0.163562	-0.325863	2313.22	5493.06
1642.13	-6488.58	0.163989	-0.326626	2310.85	5492.96
1643.98	-6487.36	0.164417	-0.327391	2308.48	5492.87
1645.83	-6486.13	0.164846	-0.328156	2306.11	5492.77
1647.67	-6484.9	0.165276	-0.328922	2303.74	5492.67
1649.52	-6483.67	0.165706	-0.329689	2301.36	5492.57
1651.36	-6482.43	0.166137	-0.330457	2298.99	5492.46
1653.21	-6481.2	0.166568	-0.331226	2296.61	5492.36
1655.06	-6479.96	0.167	-0.331996	2294.24	5492.25
1656.9	-6478.72	0.167433	-0.332766	2291.86	5492.14
1658.74	-6477.48	0.167866	-0.333538	2289.49	5492.03
1660.59	-6476.24	0.1683	-0.33431	2287.11	5491.92
1662.43	-6475	0.168735	-0.335083	2284.73	5491.8
1664.27	-6473.75	0.169171	-0.335857	2282.35	5491.68

1666.12	-6472.51	0.169607	-0.336632	2279.97	5491.57
1667.96	-6471.26	0.170043	-0.337408	2277.59	5491.45
1669.8	-6470.01	0.170481	-0.338184	2275.21	5491.32
1671.64	-6468.76	0.170919	-0.338962	2272.82	5491.2
1673.48	-6467.51	0.171357	-0.33974	2270.44	5491.07
1675.32	-6466.26	0.171797	-0.340519	2268.06	5490.95
1677.16	-6465	0.172237	-0.341299	2265.67	5490.82
1679	-6463.74	0.172678	-0.34208	2263.29	5490.69
1680.84	-6462.49	0.173119	-0.342862	2260.9	5490.55
1682.68	-6461.23	0.173561	-0.343645	2258.51	5490.42
1684.52	-6459.97	0.174004	-0.344428	2256.13	5490.28
1686.36	-6458.7	0.174447	-0.345212	2253.74	5490.14
1688.2	-6457.44	0.174891	-0.345998	2251.35	5490
1690.03	-6456.17	0.175336	-0.346784	2248.96	5489.86
1691.87	-6454.91	0.175781	-0.347571	2246.57	5489.71
1693.71	-6453.64	0.176227	-0.348359	2244.18	5489.57
1695.54	-6452.37	0.176674	-0.349147	2241.78	5489.42
1697.38	-6451.1	0.177121	-0.349937	2239.39	5489.27
1699.22	-6449.82	0.177569	-0.350727	2237	5489.12
1701.05	-6448.55	0.178018	-0.351518	2234.6	5488.97
1702.89	-6447.27	0.178467	-0.352311	2232.21	5488.81
1704.72	-6446	0.178917	-0.353104	2229.81	5488.65
1706.55	-6444.72	0.179368	-0.353897	2227.41	5488.49
1708.39	-6443.44	0.179819	-0.354692	2225.02	5488.33
1710.22	-6442.15	0.180271	-0.355488	2222.62	5488.17
1712.05	-6440.87	0.180724	-0.356284	2220.22	5488.01
1713.88	-6439.58	0.181177	-0.357081	2217.82	5487.84
1715.72	-6438.3	0.181632	-0.35788	2215.42	5487.67
1717.55	-6437.01	0.182086	-0.358679	2213.02	5487.5
1719.38	-6435.72	0.182542	-0.359479	2210.62	5487.33
1721.21	-6434.43	0.182998	-0.360279	2208.21	5487.16
1723.04	-6433.13	0.183455	-0.361081	2205.81	5486.98
1724.87	-6431.84	0.183912	-0.361883	2203.41	5486.8
1726.7	-6430.54	0.18437	-0.362687	2201	5486.62
1728.53	-6429.25	0.184829	-0.363491	2198.59	5486.44
1730.36	-6427.95	0.185288	-0.364296	2196.19	5486.26
1732.18	-6426.65	0.185748	-0.365102	2193.78	5486.07
1734.01	-6425.35	0.186209	-0.365909	2191.37	5485.89
1735.84	-6424.04	0.186671	-0.366716	2188.96	5485.7
1737.67	-6422.74	0.187133	-0.367525	2186.55	5485.51
1739.49	-6421.43	0.187596	-0.368334	2184.14	5485.32
1741.32	-6420.12	0.188059	-0.369144	2181.73	5485.12
1743.15	-6418.81	0.188524	-0.369955	2179.32	5484.93
1744.97	-6417.5	0.188988	-0.370767	2176.91	5484.73
1746.8	-6416.19	0.189454	-0.37158	2174.5	5484.53
1748.62	-6414.87	0.18992	-0.372394	2172.08	5484.33
1750.44	-6413.56	0.190387	-0.373208	2169.67	5484.12
1752.27	-6412.24	0.190855	-0.374024	2167.25	5483.92
1754.09	-6410.92	0.191323	-0.37484	2164.84	5483.71
1755.91	-6409.6	0.191792	-0.375657	2162.42	5483.5
1757.74	-6408.28	0.192262	-0.376475	2160	5483.29
1759.56	-6406.96	0.192732	-0.377294	2157.58	5483.08
1761.38	-6405.63	0.193203	-0.378114	2155.16	5482.86
1763.2	-6404.31	0.193675	-0.378934	2152.74	5482.65
1765.02	-6402.98	0.194147	-0.379755	2150.32	5482.43
1766.84	-6401.65	0.19462	-0.380578	2147.9	5482.21
1768.66	-6400.32	0.195094	-0.381401	2145.48	5481.98

1770.48	-6398.98	0.195568	-0.382225	2143.06	5481.76
1772.3	-6397.65	0.196043	-0.38305	2140.63	5481.53
1774.12	-6396.31	0.196519	-0.383875	2138.21	5481.31
1775.94	-6394.98	0.196996	-0.384702	2135.78	5481.08
1777.75	-6393.64	0.197473	-0.385529	2133.36	5480.84
1779.57	-6392.3	0.197951	-0.386358	2130.93	5480.61
1781.39	-6390.96	0.198429	-0.387187	2128.5	5480.38
1783.2	-6389.61	0.198909	-0.388017	2126.08	5480.14
1785.02	-6388.27	0.199389	-0.388848	2123.65	5479.9
1786.84	-6386.92	0.199869	-0.389679	2121.22	5479.66
1788.65	-6385.57	0.200351	-0.390512	2118.79	5479.41
1790.47	-6384.22	0.200833	-0.391345	2116.36	5479.17
1792.28	-6382.87	0.201315	-0.392179	2113.93	5478.92
1794.09	-6381.52	0.201799	-0.393015	2111.49	5478.67
1795.91	-6380.17	0.202283	-0.393851	2109.06	5478.42
1797.72	-6378.81	0.202768	-0.394687	2106.63	5478.17
1799.53	-6377.45	0.203253	-0.395525	2104.19	5477.92
1801.35	-6376.1	0.203739	-0.396364	2101.76	5477.66
1803.16	-6374.73	0.204226	-0.397203	2099.32	5477.4
1804.97	-6373.37	0.204714	-0.398043	2096.88	5477.14
1806.78	-6372.01	0.205202	-0.398884	2094.45	5476.88
1808.59	-6370.65	0.205691	-0.399726	2092.01	5476.62
1810.4	-6369.28	0.20618	-0.400569	2089.57	5476.35
1812.21	-6367.91	0.206671	-0.401413	2087.13	5476.08
1814.02	-6366.54	0.207162	-0.402258	2084.69	5475.81
1815.83	-6365.17	0.207653	-0.403103	2082.25	5475.54
1817.63	-6363.8	0.208146	-0.403949	2079.81	5475.27
1819.44	-6362.42	0.208639	-0.404796	2077.36	5474.99
1821.25	-6361.05	0.209133	-0.405644	2074.92	5474.71
1823.06	-6359.67	0.209627	-0.406493	2072.48	5474.44
1824.86	-6358.29	0.210123	-0.407343	2070.03	5474.15
1826.67	-6356.91	0.210618	-0.408193	2067.59	5473.87
1828.47	-6355.53	0.211115	-0.409045	2065.14	5473.59
1830.28	-6354.15	0.211612	-0.409897	2062.69	5473.3
1832.08	-6352.76	0.21211	-0.41075	2060.25	5473.01
1833.89	-6351.38	0.212609	-0.411604	2057.8	5472.72
1835.69	-6349.99	0.213109	-0.412459	2055.35	5472.43
1837.5	-6348.6	0.213609	-0.413315	2052.9	5472.13
1839.3	-6347.21	0.214109	-0.414171	2050.45	5471.84
1841.1	-6345.82	0.214611	-0.415028	2048	5471.54
1842.9	-6344.42	0.215113	-0.415887	2045.55	5471.24
1844.7	-6343.03	0.215616	-0.416746	2043.09	5470.94
1846.51	-6341.63	0.21612	-0.417606	2040.64	5470.63
1848.31	-6340.23	0.216624	-0.418466	2038.19	5470.33
1850.11	-6338.83	0.217129	-0.419328	2035.73	5470.02
1851.91	-6337.43	0.217635	-0.420191	2033.28	5469.71
1853.71	-6336.02	0.218141	-0.421054	2030.82	5469.4
1855.5	-6334.62	0.218649	-0.421918	2028.36	5469.08
1857.3	-6333.21	0.219156	-0.422783	2025.91	5468.77
1859.1	-6331.81	0.219665	-0.423649	2023.45	5468.45
1860.9	-6330.4	0.220174	-0.424516	2020.99	5468.13
1862.7	-6328.99	0.220684	-0.425384	2018.53	5467.81
1864.49	-6327.57	0.221195	-0.426252	2016.07	5467.48
1866.29	-6326.16	0.221706	-0.427121	2013.61	5467.16
1868.08	-6324.74	0.222218	-0.427992	2011.14	5466.83
1869.88	-6323.33	0.222731	-0.428863	2008.68	5466.5
1871.67	-6321.91	0.223245	-0.429734	2006.22	5466.17

1873.47	-6320.49	0.223759	-0.430607	2003.75	5465.84
1875.26	-6319.06	0.224274	-0.431481	2001.29	5465.5
1877.06	-6317.64	0.22479	-0.432355	1998.82	5465.17
1878.85	-6316.22	0.225306	-0.43323	1996.36	5464.83
1880.64	-6314.79	0.225823	-0.434107	1993.89	5464.49
1882.43	-6313.36	0.226341	-0.434984	1991.42	5464.15
1884.22	-6311.93	0.22686	-0.435861	1988.96	5463.8
1886.02	-6310.5	0.227379	-0.43674	1986.49	5463.45
1887.81	-6309.07	0.227899	-0.43762	1984.02	5463.1
1889.6	-6307.63	0.228419	-0.4385	1981.55	5462.75
1891.39	-6306.2	0.228941	-0.439381	1979.08	5462.4
1893.18	-6304.76	0.229463	-0.440263	1976.6	5462.05
1894.96	-6303.32	0.229986	-0.441146	1974.13	5461.69
1896.75	-6301.88	0.230509	-0.44203	1971.66	5461.33
1898.54	-6300.44	0.231034	-0.442915	1969.18	5460.97
1900.33	-6299	0.231558	-0.4438	1966.71	5460.61
1902.12	-6297.55	0.232084	-0.444687	1964.23	5460.25
1903.9	-6296.11	0.232611	-0.445574	1961.76	5459.88
1905.69	-6294.66	0.233138	-0.446462	1959.28	5459.51
1907.47	-6293.21	0.233666	-0.447351	1956.8	5459.14
1909.26	-6291.76	0.234194	-0.448241	1954.33	5458.77
1911.04	-6290.3	0.234723	-0.449131	1951.85	5458.4
1912.83	-6288.85	0.235253	-0.450023	1949.37	5458.02
1914.61	-6287.39	0.235784	-0.450915	1946.89	5457.64
1916.39	-6285.94	0.236316	-0.451808	1944.41	5457.26
1918.18	-6284.48	0.236848	-0.452702	1941.92	5456.88
1919.96	-6283.02	0.237381	-0.453597	1939.44	5456.5
1921.74	-6281.55	0.237914	-0.454493	1936.96	5456.11
1923.52	-6280.09	0.238449	-0.455389	1934.47	5455.72
1925.3	-6278.63	0.238984	-0.456287	1931.99	5455.33
1927.08	-6277.16	0.239519	-0.457185	1929.51	5454.94
1928.86	-6275.69	0.240056	-0.458084	1927.02	5454.55
1930.64	-6274.22	0.240593	-0.458984	1924.53	5454.15
1932.42	-6272.75	0.241131	-0.459885	1922.05	5453.75
1934.2	-6271.28	0.24167	-0.460786	1919.56	5453.35
1935.98	-6269.8	0.242209	-0.461689	1917.07	5452.95
1937.76	-6268.33	0.242749	-0.462592	1914.58	5452.55
1939.53	-6266.85	0.24329	-0.463496	1912.09	5452.15
1941.31	-6265.37	0.243832	-0.464401	1909.6	5451.74
1943.08	-6263.89	0.244374	-0.465307	1907.11	5451.33
1944.86	-6262.41	0.244917	-0.466214	1904.62	5450.92
1946.64	-6260.92	0.245461	-0.467122	1902.12	5450.5
1948.41	-6259.44	0.246006	-0.46803	1899.63	5450.09
1950.18	-6257.95	0.246551	-0.468939	1897.13	5449.67
1951.96	-6256.46	0.247097	-0.469849	1894.64	5449.25
1953.73	-6254.97	0.247644	-0.47076	1892.14	5448.83
1955.5	-6253.48	0.248191	-0.471672	1889.65	5448.41
1957.28	-6251.99	0.248739	-0.472585	1887.15	5447.98
1959.05	-6250.49	0.249288	-0.473498	1884.65	5447.55
1960.82	-6249	0.249838	-0.474413	1882.16	5447.12
1962.59	-6247.5	0.250388	-0.475328	1879.66	5446.69
1964.36	-6246	0.250939	-0.476244	1877.16	5446.26
1966.13	-6244.5	0.251491	-0.477161	1874.66	5445.82
1967.9	-6243	0.252044	-0.478078	1872.15	5445.39
1969.67	-6241.49	0.252597	-0.478997	1869.65	5444.95
1971.43	-6239.99	0.253151	-0.479916	1867.15	5444.51
1973.2	-6238.48	0.253706	-0.480837	1864.65	5444.06

1974.97	-6236.97	0.254261	-0.481758	1862.14	5443.62
1976.74	-6235.46	0.254818	-0.48268	1859.64	5443.17
1978.5	-6233.95	0.255375	-0.483603	1857.13	5442.72
1980.27	-6232.44	0.255932	-0.484526	1854.63	5442.27
1982.03	-6230.92	0.256491	-0.485451	1852.12	5441.82
1983.8	-6229.4	0.25705	-0.486376	1849.61	5441.36
1985.56	-6227.89	0.25761	-0.487302	1847.11	5440.9
1987.33	-6226.37	0.258171	-0.488229	1844.6	5440.44
1989.09	-6224.85	0.258732	-0.489157	1842.09	5439.98
1990.85	-6223.32	0.259295	-0.490086	1839.58	5439.52
1992.62	-6221.8	0.259857	-0.491015	1837.07	5439.05
1994.38	-6220.27	0.260421	-0.491946	1834.56	5438.59
1996.14	-6218.74	0.260986	-0.492877	1832.04	5438.12
1997.9	-6217.22	0.261551	-0.493809	1829.53	5437.65
1999.66	-6215.69	0.262117	-0.494742	1827.02	5437.17
2001.42	-6214.15	0.262683	-0.495676	1824.5	5436.7
2003.18	-6212.62	0.263251	-0.49661	1821.99	5436.22
2004.94	-6211.08	0.263819	-0.497546	1819.47	5435.74
2006.7	-6209.55	0.264388	-0.498482	1816.96	5435.26
2008.45	-6208.01	0.264957	-0.499419	1814.44	5434.77
2010.21	-6206.47	0.265528	-0.500357	1811.92	5434.29
2011.97	-6204.93	0.266099	-0.501296	1809.41	5433.8
2013.72	-6203.38	0.266671	-0.502236	1806.89	5433.31
2015.48	-6201.84	0.267243	-0.503176	1804.37	5432.82
2017.23	-6200.29	0.267817	-0.504118	1801.85	5432.33
2018.99	-6198.75	0.268391	-0.50506	1799.33	5431.83
2020.74	-6197.2	0.268966	-0.506003	1796.81	5431.33
2022.5	-6195.65	0.269541	-0.506947	1794.28	5430.83
2024.25	-6194.09	0.270118	-0.507891	1791.76	5430.33
2026	-6192.54	0.270695	-0.508837	1789.24	5429.83
2027.76	-6190.98	0.271273	-0.509783	1786.71	5429.32
2029.51	-6189.43	0.271852	-0.510731	1784.19	5428.81
2031.26	-6187.87	0.272431	-0.511679	1781.66	5428.31
2033.01	-6186.31	0.273011	-0.512628	1779.14	5427.79
2034.76	-6184.75	0.273592	-0.513577	1776.61	5427.28
2036.51	-6183.18	0.274174	-0.514528	1774.08	5426.76
2038.26	-6181.62	0.274756	-0.515479	1771.55	5426.25
2040.01	-6180.05	0.275339	-0.516432	1769.02	5425.73
2041.75	-6178.48	0.275923	-0.517385	1766.5	5425.2
2043.5	-6176.91	0.276508	-0.518339	1763.97	5424.68
2045.25	-6175.34	0.277093	-0.519294	1761.43	5424.15
2046.99	-6173.77	0.277679	-0.520249	1758.9	5423.62
2048.74	-6172.19	0.278266	-0.521206	1756.37	5423.09
2050.49	-6170.62	0.278854	-0.522163	1753.84	5422.56
2052.23	-6169.04	0.279442	-0.523121	1751.3	5422.03
2053.98	-6167.46	0.280032	-0.52408	1748.77	5421.49
2055.72	-6165.88	0.280622	-0.52504	1746.24	5420.95
2057.46	-6164.3	0.281212	-0.526001	1743.7	5420.41
2059.21	-6162.71	0.281804	-0.526962	1741.16	5419.87
2060.95	-6161.13	0.282396	-0.527925	1738.63	5419.33
2062.69	-6159.54	0.282989	-0.528888	1736.09	5418.78
2064.43	-6157.95	0.283583	-0.529852	1733.55	5418.23
2066.17	-6156.36	0.284178	-0.530817	1731.01	5417.68
2067.91	-6154.77	0.284773	-0.531782	1728.47	5417.13
2069.65	-6153.18	0.285369	-0.532749	1725.93	5416.57
2071.39	-6151.58	0.285966	-0.533716	1723.39	5416.01
2073.13	-6149.99	0.286563	-0.534685	1720.85	5415.45

2074.87	-6148.39	0.287162	-0.535654	1718.31	5414.89
2076.6	-6146.79	0.287761	-0.536623	1715.77	5414.33
2078.34	-6145.19	0.288361	-0.537594	1713.22	5413.77
2080.08	-6143.58	0.288961	-0.538566	1710.68	5413.2
2081.81	-6141.98	0.289563	-0.539538	1708.13	5412.63
2083.55	-6140.37	0.290165	-0.540511	1705.59	5412.06
2085.28	-6138.77	0.290768	-0.541485	1703.04	5411.48
2087.02	-6137.16	0.291372	-0.54246	1700.5	5410.91
2088.75	-6135.55	0.291976	-0.543436	1697.95	5410.33
2090.49	-6133.94	0.292582	-0.544413	1695.4	5409.75
2092.22	-6132.32	0.293188	-0.54539	1692.85	5409.17
2093.95	-6130.71	0.293794	-0.546368	1690.3	5408.58
2095.68	-6129.09	0.294402	-0.547347	1687.75	5408
2097.41	-6127.47	0.29501	-0.548327	1685.2	5407.41
2099.14	-6125.85	0.295619	-0.549308	1682.65	5406.82
2100.87	-6124.23	0.296229	-0.55029	1680.1	5406.23
2102.6	-6122.61	0.29684	-0.551272	1677.55	5405.63
2104.33	-6120.98	0.297451	-0.552255	1674.99	5405.04
2106.06	-6119.35	0.298064	-0.55324	1672.44	5404.44
2107.79	-6117.73	0.298677	-0.554225	1669.89	5403.84
2109.52	-6116.1	0.299291	-0.55521	1667.33	5403.24
2111.24	-6114.47	0.299905	-0.556197	1664.78	5402.63
2112.97	-6112.83	0.30052	-0.557184	1662.22	5402.02
2114.7	-6111.2	0.301136	-0.558173	1659.66	5401.41
2116.42	-6109.56	0.301753	-0.559162	1657.1	5400.8
2118.14	-6107.92	0.302371	-0.560152	1654.55	5400.19
2119.87	-6106.29	0.302989	-0.561143	1651.99	5399.57
2121.59	-6104.65	0.303609	-0.562134	1649.43	5398.96
2123.32	-6103	0.304229	-0.563127	1646.87	5398.34
2125.04	-6101.36	0.304849	-0.56412	1644.31	5397.72
2126.76	-6099.71	0.305471	-0.565114	1641.74	5397.09
2128.48	-6098.07	0.306093	-0.566109	1639.18	5396.47
2130.2	-6096.42	0.306716	-0.567105	1636.62	5395.84
2131.92	-6094.77	0.30734	-0.568101	1634.06	5395.21
2133.64	-6093.12	0.307965	-0.569099	1631.49	5394.58
2135.36	-6091.46	0.30859	-0.570097	1628.93	5393.94
2137.08	-6089.81	0.309217	-0.571096	1626.36	5393.31
2138.8	-6088.15	0.309844	-0.572096	1623.8	5392.67
2140.51	-6086.49	0.310472	-0.573097	1621.23	5392.03
2142.23	-6084.83	0.3111	-0.574098	1618.66	5391.38
2143.95	-6083.17	0.31173	-0.575101	1616.09	5390.74
2145.66	-6081.51	0.31236	-0.576104	1613.53	5390.09
2147.38	-6079.84	0.312991	-0.577108	1610.96	5389.44
2149.09	-6078.18	0.313622	-0.578113	1608.39	5388.79
2150.81	-6076.51	0.314255	-0.579119	1605.82	5388.14
2152.52	-6074.84	0.314888	-0.580126	1603.25	5387.48
2154.23	-6073.17	0.315522	-0.581133	1600.67	5386.83
2155.95	-6071.5	0.316157	-0.582141	1598.1	5386.17
2157.66	-6069.82	0.316793	-0.58315	1595.53	5385.5
2159.37	-6068.15	0.317429	-0.58416	1592.95	5384.84
2161.08	-6066.47	0.318067	-0.585171	1590.38	5384.17
2162.79	-6064.79	0.318705	-0.586183	1587.81	5383.51
2164.5	-6063.11	0.319344	-0.587195	1585.23	5382.84
2166.21	-6061.43	0.319983	-0.588208	1582.65	5382.16
2167.92	-6059.75	0.320624	-0.589222	1580.08	5381.49
2169.62	-6058.06	0.321265	-0.590237	1577.5	5380.81
2171.33	-6056.38	0.321907	-0.591253	1574.92	5380.13

2173.04	-6054.69	0.32255	-0.592269	1572.34	5379.45
2174.74	-6053	0.323193	-0.593287	1569.76	5378.77
2176.45	-6051.31	0.323838	-0.594305	1567.18	5378.08
2178.16	-6049.61	0.324483	-0.595324	1564.6	5377.4
2179.86	-6047.92	0.325129	-0.596344	1562.02	5376.71
2181.56	-6046.22	0.325776	-0.597365	1559.44	5376.02
2183.27	-6044.52	0.326423	-0.598386	1556.86	5375.32
2184.97	-6042.82	0.327072	-0.599408	1554.28	5374.63
2186.67	-6041.12	0.327721	-0.600432	1551.69	5373.93
2188.37	-6039.42	0.328371	-0.601456	1549.11	5373.23
2190.07	-6037.72	0.329021	-0.60248	1546.52	5372.52
2191.77	-6036.01	0.329673	-0.603506	1543.94	5371.82
2193.47	-6034.3	0.330325	-0.604533	1541.35	5371.11
2195.17	-6032.59	0.330979	-0.60556	1538.77	5370.4
2196.87	-6030.88	0.331633	-0.606588	1536.18	5369.69
2198.57	-6029.17	0.332287	-0.607617	1533.59	5368.98
2200.27	-6027.46	0.332943	-0.608647	1531	5368.27
2201.96	-6025.74	0.333599	-0.609677	1528.41	5367.55
2203.66	-6024.02	0.334257	-0.610709	1525.82	5366.83
2205.36	-6022.31	0.334915	-0.611741	1523.23	5366.11
2207.05	-6020.59	0.335573	-0.612774	1520.64	5365.38
2208.75	-6018.86	0.336233	-0.613808	1518.05	5364.66
2210.44	-6017.14	0.336893	-0.614843	1515.46	5363.93
2212.13	-6015.42	0.337555	-0.615878	1512.86	5363.2
2213.83	-6013.69	0.338217	-0.616915	1510.27	5362.46
2215.52	-6011.96	0.338879	-0.617952	1507.68	5361.73
2217.21	-6010.23	0.339543	-0.61899	1505.08	5360.99
2218.9	-6008.5	0.340208	-0.620029	1502.49	5360.25
2220.59	-6006.77	0.340873	-0.621069	1499.89	5359.51
2222.28	-6005.03	0.341539	-0.622109	1497.29	5358.77
2223.97	-6003.29	0.342206	-0.62315	1494.7	5358.02
2225.66	-6001.56	0.342873	-0.624193	1492.1	5357.28
2227.35	-5999.82	0.343542	-0.625236	1489.5	5356.53
2229.03	-5998.08	0.344211	-0.626279	1486.9	5355.77
2230.72	-5996.33	0.344881	-0.627324	1484.3	5355.02
2232.41	-5994.59	0.345552	-0.628369	1481.7	5354.26
2234.09	-5992.84	0.346224	-0.629416	1479.1	5353.5
2235.78	-5991.1	0.346897	-0.630463	1476.5	5352.74
2237.46	-5989.35	0.34757	-0.631511	1473.9	5351.98
2239.15	-5987.6	0.348244	-0.632559	1471.3	5351.21
2240.83	-5985.84	0.348919	-0.633609	1468.69	5350.45
2242.51	-5984.09	0.349595	-0.634659	1466.09	5349.68
2244.19	-5982.34	0.350271	-0.635711	1463.49	5348.9
2245.88	-5980.58	0.350949	-0.636763	1460.88	5348.13
2247.56	-5978.82	0.351627	-0.637816	1458.27	5347.35
2249.24	-5977.06	0.352306	-0.638869	1455.67	5346.58
2250.92	-5975.3	0.352986	-0.639924	1453.06	5345.8
2252.6	-5973.53	0.353667	-0.640979	1450.45	5345.01
2254.27	-5971.77	0.354348	-0.642035	1447.85	5344.23
2255.95	-5970	0.355031	-0.643092	1445.24	5343.44
2257.63	-5968.23	0.355714	-0.64415	1442.63	5342.65
2259.31	-5966.46	0.356398	-0.645209	1440.02	5341.86
2260.98	-5964.69	0.357083	-0.646268	1437.41	5341.07
2262.66	-5962.92	0.357768	-0.647328	1434.8	5340.27
2264.33	-5961.14	0.358455	-0.648389	1432.19	5339.47
2266.01	-5959.37	0.359142	-0.649451	1429.57	5338.67
2267.68	-5957.59	0.35983	-0.650514	1426.96	5337.87

2269.35	-5955.81	0.360519	-0.651577	1424.35	5337.06
2271.02	-5954.03	0.361209	-0.652642	1421.73	5336.25
2272.7	-5952.25	0.361899	-0.653707	1419.12	5335.45
2274.37	-5950.46	0.362591	-0.654773	1416.5	5334.63
2276.04	-5948.68	0.363283	-0.65584	1413.89	5333.82
2277.71	-5946.89	0.363976	-0.656907	1411.27	5333
2279.38	-5945.1	0.36467	-0.657976	1408.66	5332.19
2281.05	-5943.31	0.365365	-0.659045	1406.04	5331.37
2282.71	-5941.52	0.36606	-0.660115	1403.42	5330.54
2284.38	-5939.72	0.366757	-0.661186	1400.8	5329.72
2286.05	-5937.93	0.367454	-0.662258	1398.18	5328.89
2287.71	-5936.13	0.368152	-0.66333	1395.56	5328.06
2289.38	-5934.33	0.368851	-0.664403	1392.94	5327.23
2291.04	-5932.53	0.36955	-0.665478	1390.32	5326.4
2292.71	-5930.73	0.370251	-0.666553	1387.7	5325.56
2294.37	-5928.92	0.370952	-0.667628	1385.08	5324.72
2296.04	-5927.12	0.371655	-0.668705	1382.46	5323.88
2297.7	-5925.31	0.372358	-0.669782	1379.83	5323.04
2299.36	-5923.5	0.373061	-0.670861	1377.21	5322.19
2301.02	-5921.69	0.373766	-0.67194	1374.58	5321.34
2302.68	-5919.88	0.374472	-0.67302	1371.96	5320.5
2304.34	-5918.07	0.375178	-0.6741	1369.33	5319.64
2306	-5916.25	0.375885	-0.675182	1366.71	5318.79
2307.66	-5914.43	0.376593	-0.676264	1364.08	5317.93
2309.32	-5912.62	0.377302	-0.677347	1361.45	5317.07
2310.98	-5910.8	0.378012	-0.678431	1358.83	5316.21
2312.63	-5908.97	0.378722	-0.679516	1356.2	5315.35
2314.29	-5907.15	0.379434	-0.680602	1353.57	5314.48
2315.94	-5905.33	0.380146	-0.681688	1350.94	5313.62
2317.6	-5903.5	0.380859	-0.682775	1348.31	5312.75
2319.25	-5901.67	0.381573	-0.683863	1345.68	5311.88
2320.91	-5899.84	0.382288	-0.684952	1343.05	5311
2322.56	-5898.01	0.383003	-0.686042	1340.41	5310.12
2324.21	-5896.18	0.38372	-0.687132	1337.78	5309.25
2325.86	-5894.34	0.384437	-0.688223	1335.15	5308.36
2327.51	-5892.51	0.385155	-0.689316	1332.51	5307.48
2329.16	-5890.67	0.385874	-0.690408	1329.88	5306.6
2330.81	-5888.83	0.386594	-0.691502	1327.25	5305.71
2332.46	-5886.99	0.387314	-0.692597	1324.61	5304.82
2334.11	-5885.15	0.388036	-0.693692	1321.97	5303.92
2335.76	-5883.3	0.388758	-0.694788	1319.34	5303.03
2337.41	-5881.46	0.389481	-0.695885	1316.7	5302.13
2339.05	-5879.61	0.390205	-0.696983	1314.06	5301.23
2340.7	-5877.76	0.39093	-0.698082	1311.42	5300.33
2342.34	-5875.91	0.391656	-0.699181	1308.79	5299.43
2343.99	-5874.06	0.392383	-0.700281	1306.15	5298.52
2345.63	-5872.2	0.39311	-0.701382	1303.51	5297.61
2347.28	-5870.35	0.393838	-0.702484	1300.87	5296.7
2348.92	-5868.49	0.394567	-0.703587	1298.23	5295.79
2350.56	-5866.63	0.395297	-0.70469	1295.58	5294.88
2352.2	-5864.77	0.396028	-0.705794	1292.94	5293.96
2353.84	-5862.91	0.39676	-0.7069	1290.3	5293.04
2355.48	-5861.04	0.397492	-0.708005	1287.66	5292.12
2357.12	-5859.18	0.398226	-0.709112	1285.01	5291.19
2358.76	-5857.31	0.39896	-0.71022	1282.37	5290.26
2360.4	-5855.44	0.399695	-0.711328	1279.72	5289.33
2362.04	-5853.57	0.400431	-0.712437	1277.08	5288.4

2363.67	-5851.7	0.401168	-0.713547	1274.43	5287.47
2365.31	-5849.83	0.401906	-0.714658	1271.79	5286.53
2366.95	-5847.95	0.402644	-0.715769	1269.14	5285.6
2368.58	-5846.08	0.403383	-0.716882	1266.49	5284.66
2370.21	-5844.2	0.404124	-0.717995	1263.84	5283.71
2371.85	-5842.32	0.404865	-0.719109	1261.19	5282.77
2373.48	-5840.44	0.405607	-0.720224	1258.54	5281.82
2375.11	-5838.55	0.406349	-0.721339	1255.89	5280.87
2376.74	-5836.67	0.407093	-0.722456	1253.24	5279.92
2378.38	-5834.78	0.407838	-0.723573	1250.59	5278.96
2380.01	-5832.89	0.408583	-0.724691	1247.94	5278.01
2381.64	-5831	0.409329	-0.72581	1245.29	5277.05
2383.26	-5829.11	0.410076	-0.726929	1242.64	5276.09
2384.89	-5827.22	0.410824	-0.72805	1239.98	5275.12
2386.52	-5825.32	0.411573	-0.729171	1237.33	5274.16
2388.15	-5823.43	0.412323	-0.730293	1234.68	5273.19
2389.77	-5821.53	0.413074	-0.731416	1232.02	5272.22
2391.4	-5819.63	0.413825	-0.732539	1229.37	5271.25
2393.02	-5817.73	0.414577	-0.733664	1226.71	5270.27
2394.65	-5815.82	0.41533	-0.734789	1224.05	5269.29
2396.27	-5813.92	0.416084	-0.735915	1221.4	5268.31
2397.89	-5812.01	0.416839	-0.737042	1218.74	5267.33
2399.52	-5810.11	0.417595	-0.73817	1216.08	5266.35
2401.14	-5808.2	0.418352	-0.739298	1213.42	5265.36
2402.76	-5806.28	0.419109	-0.740427	1210.76	5264.37
2404.38	-5804.37	0.419868	-0.741558	1208.1	5263.38
2406	-5802.46	0.420627	-0.742688	1205.44	5262.38
2407.62	-5800.54	0.421387	-0.74382	1202.78	5261.39
2409.23	-5798.62	0.422148	-0.744953	1200.12	5260.39
2410.85	-5796.7	0.42291	-0.746086	1197.46	5259.39
2412.47	-5794.78	0.423673	-0.74722	1194.8	5258.38
2414.08	-5792.86	0.424436	-0.748355	1192.13	5257.38
2415.7	-5790.94	0.425201	-0.749491	1189.47	5256.37
2417.31	-5789.01	0.425966	-0.750627	1186.81	5255.36
2418.93	-5787.08	0.426732	-0.751765	1184.14	5254.35
2420.54	-5785.15	0.427499	-0.752903	1181.48	5253.33
2422.15	-5783.22	0.428267	-0.754042	1178.81	5252.32
2423.76	-5781.29	0.429036	-0.755181	1176.15	5251.3
2425.38	-5779.36	0.429806	-0.756322	1173.48	5250.27
2426.99	-5777.42	0.430576	-0.757463	1170.81	5249.25
2428.6	-5775.48	0.431348	-0.758605	1168.14	5248.22
2430.21	-5773.54	0.43212	-0.759748	1165.48	5247.19
2431.81	-5771.6	0.432894	-0.760892	1162.81	5246.16
2433.42	-5769.66	0.433668	-0.762036	1160.14	5245.13
2435.03	-5767.72	0.434443	-0.763182	1157.47	5244.09
2436.64	-5765.77	0.435219	-0.764328	1154.8	5243.05
2438.24	-5763.82	0.435995	-0.765475	1152.13	5242.01
2439.85	-5761.88	0.436773	-0.766623	1149.46	5240.97
2441.45	-5759.92	0.437551	-0.767771	1146.78	5239.92
2443.05	-5757.97	0.438331	-0.76892	1144.11	5238.87
2444.66	-5756.02	0.439111	-0.77007	1141.44	5237.82
2446.26	-5754.06	0.439892	-0.771221	1138.77	5236.77
2447.86	-5752.11	0.440674	-0.772373	1136.09	5235.72
2449.46	-5750.15	0.441457	-0.773526	1133.42	5234.66
2451.06	-5748.19	0.442241	-0.774679	1130.74	5233.6
2452.66	-5746.22	0.443026	-0.775833	1128.07	5232.54
2454.26	-5744.26	0.443812	-0.776988	1125.39	5231.47

2455.86	-5742.3	0.444598	-0.778144	1122.71	5230.4
2457.45	-5740.33	0.445386	-0.7793	1120.04	5229.33
2459.05	-5738.36	0.446174	-0.780457		1117.36 5228.26
2460.65	-5736.39	0.446963	-0.781616		1114.68 5227.19
2462.24	-5734.42	0.447753	-0.782774		1112 5226.11
2463.84	-5732.44	0.448544	-0.783934		1109.32 5225.03
2465.43	-5730.47	0.449336	-0.785095		1106.65 5223.95
2467.02	-5728.49	0.450129	-0.786256		1103.97 5222.87
2468.61	-5726.51	0.450922	-0.787418		1101.28 5221.78
2470.21	-5724.53	0.451717	-0.788581		1098.6 5220.69
2471.8	-5722.55	0.452512	-0.789744		1095.92 5219.6
2473.39	-5720.57	0.453308	-0.790909		1093.24 5218.51
2474.98	-5718.58	0.454106	-0.792074		1090.56 5217.41
2476.57	-5716.59	0.454904	-0.79324		1087.87 5216.31
2478.15	-5714.61	0.455703	-0.794407		1085.19 5215.21
2479.74	-5712.62	0.456503	-0.795575		1082.51 5214.11
2481.33	-5710.62	0.457303	-0.796743		1079.82 5213
2482.91	-5708.63	0.458105	-0.797912		1077.14 5211.89
2484.5	-5706.64	0.458908	-0.799082		1074.45 5210.78
2486.08	-5704.64	0.459711	-0.800253		1071.77 5209.67
2487.67	-5702.64	0.460516	-0.801425		1069.08 5208.56
2489.25	-5700.64	0.461321	-0.802597		1066.39 5207.44
2490.83	-5698.64	0.462127	-0.80377		1063.7 5206.32
2492.41	-5696.63	0.462934	-0.804944		1061.02 5205.2
2493.99	-5694.63	0.463742	-0.806119		1058.33 5204.07
2495.57	-5692.62	0.464551	-0.807295		1055.64 5202.94
2497.15	-5690.61	0.465361	-0.808471		1052.95 5201.81
2498.73	-5688.6	0.466172	-0.809648	1050.26	5200.68
2500.31	-5686.59	0.466983	-0.810826		1047.57 5199.55
2501.89	-5684.58	0.467796	-0.812005		1044.88 5198.41
2503.46	-5682.56	0.468609	-0.813184		1042.19 5197.27
2505.04	-5680.55	0.469424	-0.814364		1039.49 5196.13
2506.61	-5678.53	0.470239	-0.815545		1036.8 5194.98
2508.19	-5676.51	0.471055	-0.816727		1034.11 5193.84
2509.76	-5674.49	0.471872	-0.81791		1031.41 5192.69
2511.33	-5672.46	0.47269	-0.819093	1028.72	5191.53
2512.91	-5670.44	0.473509	-0.820278		1026.03 5190.38
2514.48	-5668.41	0.474329	-0.821463		1023.33 5189.22
2516.05	-5666.38	0.475149	-0.822649		1020.64 5188.06
2517.62	-5664.35	0.475971	-0.823835		1017.94 5186.9
2519.19	-5662.32	0.476793	-0.825023		1015.24 5185.74
2520.76	-5660.29	0.477617	-0.826211		1012.55 5184.57
2522.32	-5658.25	0.478441	-0.8274	1009.85	5183.4
2523.89	-5656.22	0.479266	-0.828589		1007.15 5182.23
2525.46	-5654.18	0.480093	-0.82978		1004.45 5181.06
2527.02	-5652.14	0.48092	-0.830971	1001.75	5179.88
2528.59	-5650.1	0.481748	-0.832163	999.055	5178.7
2530.15	-5648.05	0.482577	-0.833356		996.355 5177.52
2531.71	-5646.01	0.483406	-0.83455		993.655 5176.34
2533.28	-5643.96	0.484237	-0.835744		990.954 5175.15
2534.84	-5641.91	0.485069	-0.83694		988.253 5173.96
2536.4	-5639.86	0.485902	-0.838136		985.551 5172.77
2537.96	-5637.81	0.486735	-0.839332		982.849 5171.58
2539.52	-5635.76	0.487569	-0.84053		980.147 5170.38
2541.08	-5633.7	0.488405	-0.841728	977.444	5169.18
2542.63	-5631.64	0.489241	-0.842928		974.74 5167.98
2544.19	-5629.59	0.490078	-0.844128		972.036 5166.78

2545.75	-5627.53	0.490916	-0.845328	969.332	5165.57
2547.3	-5625.46	0.491755	-0.84653	966.627	5164.36
2548.86	-5623.4	0.492595	-0.847732	963.921	5163.15
2550.41	-5621.34	0.493436	-0.848935	961.215	5161.94
2551.97	-5619.27	0.494278	-0.850139	958.509	5160.72
2553.52	-5617.2	0.495121	-0.851344	955.802	5159.5
2555.07	-5615.13	0.495965	-0.852549	953.095	5158.28
2556.62	-5613.06	0.496809	-0.853755	950.387	5157.06
2558.17	-5610.98	0.497655	-0.854962	947.679	5155.83
2559.72	-5608.91	0.498501	-0.85617	944.97	5154.6
2561.27	-5606.83	0.499348	-0.857379	942.261	5153.37
2562.82	-5604.75	0.500197	-0.858588	939.552	5152.14
2564.36	-5602.67	0.501046	-0.859798	936.842	5150.9
2565.91	-5600.59	0.501896	-0.861009	934.131	5149.66
2567.46	-5598.51	0.502747	-0.862221	931.42	5148.42
2569	-5596.42	0.503599	-0.863433	928.709	5147.18
2570.55	-5594.34	0.504452	-0.864646	925.997	5145.93
2572.09	-5592.25	0.505306	-0.865861	923.285	5144.68
2573.63	-5590.16	0.506161	-0.867075	920.572	5143.43
2575.17	-5588.07	0.507017	-0.868291	917.859	5142.18
2576.71	-5585.97	0.507873	-0.869507	915.145	5140.92
2578.25	-5583.88	0.508731	-0.870724	912.431	5139.66
2579.79	-5581.78	0.50959	-0.871942	909.717	5138.4
2581.33	-5579.68	0.510449	-0.873161	907.002	5137.14
2582.87	-5577.58	0.51131	-0.87438	904.286	5135.87
2584.41	-5575.48	0.512171	-0.875601	901.57	5134.6
2585.94	-5573.37	0.513033	-0.876822	898.854	5133.33
2587.48	-5571.27	0.513896	-0.878043	896.137	5132.05
2589.01	-5569.16	0.514761	-0.879266	893.42	5130.78
2590.55	-5567.05	0.515626	-0.880489	890.702	5129.5
2592.08	-5564.94	0.516492	-0.881713	887.984	5128.22
2593.61	-5562.83	0.517359	-0.882938	885.266	5126.93
2595.15	-5560.72	0.518227	-0.884164	882.547	5125.65
2596.68	-5558.6	0.519096	-0.88539	879.827	5124.36
2598.21	-5556.48	0.519966	-0.886618	877.107	5123.06
2599.74	-5554.37	0.520836	-0.887846	874.387	5121.77
2601.26	-5552.24	0.521708	-0.889074	871.666	5120.47
2602.79	-5550.12	0.522581	-0.890304	868.945	5119.17
2604.32	-5548	0.523454	-0.891534	866.224	5117.87
2605.85	-5545.87	0.524329	-0.892765	863.502	5116.57
2607.37	-5543.75	0.525204	-0.893997	860.779	5115.26
2608.9	-5541.62	0.526081	-0.89523	858.056	5113.95
2610.42	-5539.49	0.526958	-0.896463	855.333	5112.64
2611.94	-5537.35	0.527837	-0.897697	852.609	5111.32
2613.46	-5535.22	0.528716	-0.898932	849.885	5110
2614.99	-5533.08	0.529596	-0.900168	847.16	5108.68
2616.51	-5530.95	0.530477	-0.901404	844.435	5107.36
2618.03	-5528.81	0.53136	-0.902642	841.71	5106.04
2619.55	-5526.67	0.532243	-0.90388	838.984	5104.71
2621.06	-5524.52	0.533127	-0.905119	836.258	5103.38
2622.58	-5522.38	0.534012	-0.906358	833.531	5102.04
2624.1	-5520.23	0.534898	-0.907598	830.804	5100.71
2625.61	-5518.09	0.535785	-0.90884	828.076	5099.37
2627.13	-5515.94	0.536673	-0.910081	825.348	5098.03
2628.64	-5513.79	0.537561	-0.911324	822.62	5096.69
2630.16	-5511.63	0.538451	-0.912567	819.891	5095.34
2631.67	-5509.48	0.539342	-0.913812	817.162	5093.99

2633.18	-5507.32	0.540234	-0.915057	814.432	5092.64
2634.69	-5505.17	0.541126	-0.916302	811.702	5091.29
2636.2	-5503.01	0.54202	-0.917549	808.971	5089.93
2637.71	-5500.84	0.542915	-0.918796	806.24	5088.57
2639.22	-5498.68	0.54381	-0.920044	803.509	5087.21
2640.73	-5496.52	0.544707	-0.921293	800.777	5085.85
2642.23	-5494.35	0.545604	-0.922542	798.045	5084.48
2643.74	-5492.18	0.546502	-0.923793	795.313	5083.11
2645.24	-5490.01	0.547402	-0.925044	792.58	5081.74
2646.75	-5487.84	0.548302	-0.926296	789.846	5080.36
2648.25	-5485.67	0.549204	-0.927548	787.112	5078.99
2649.76	-5483.49	0.550106	-0.928802	784.378	5077.61
2651.26	-5481.32	0.551009	-0.930056	781.644	5076.23
2652.76	-5479.14	0.551913	-0.931311	778.909	5074.84
2654.26	-5476.96	0.552819	-0.932566	776.173	5073.45
2655.76	-5474.78	0.553725	-0.933823	773.437	5072.06
2657.26	-5472.6	0.554632	-0.93508	770.701	5070.67
2658.75	-5470.41	0.55554	-0.936338	767.965	5069.27
2660.25	-5468.22	0.556449	-0.937597	765.228	5067.88
2661.75	-5466.04	0.557359	-0.938856	762.49	5066.47
2663.24	-5463.85	0.55827	-0.940117	759.752	5065.07
2664.74	-5461.65	0.559182	-0.941378	757.014	5063.67
2666.23	-5459.46	0.560095	-0.942639	754.276	5062.26
2667.72	-5457.26	0.561009	-0.943902	751.536	5060.85
2669.22	-5455.07	0.561924	-0.945165	748.797	5059.43
2670.71	-5452.87	0.56284	-0.946429	746.057	5058.01
2672.2	-5450.67	0.563756	-0.947694	743.317	5056.6
2673.69	-5448.47	0.564674	-0.94896	740.577	5055.17
2675.18	-5446.26	0.565593	-0.950226	737.836	5053.75
2676.66	-5444.06	0.566513	-0.951493	735.094	5052.32
2678.15	-5441.85	0.567434	-0.952761	732.353	5050.89
2679.64	-5439.64	0.568355	-0.95403	729.611	5049.46
2681.12	-5437.43	0.569278	-0.955299	726.868	5048.02
2682.61	-5435.22	0.570202	-0.956569	724.125	5046.59
2684.09	-5433	0.571126	-0.95784	721.382	5045.15
2685.57	-5430.79	0.572052	-0.959112	718.638	5043.7
2687.06	-5428.57	0.572979	-0.960384	715.894	5042.26
2688.54	-5426.35	0.573906	-0.961657	713.15	5040.81
2690.02	-5424.13	0.574835	-0.962931	710.405	5039.36
2691.5	-5421.91	0.575764	-0.964206	707.66	5037.9
2692.98	-5419.69	0.576695	-0.965481	704.914	5036.45
2694.45	-5417.46	0.577627	-0.966757	702.169	5034.99
2695.93	-5415.23	0.578559	-0.968034	699.422	5033.52
2697.41	-5413	0.579493	-0.969312	696.676	5032.06
2698.88	-5410.77	0.580427	-0.97059	693.929	5030.59
2700.36	-5408.54	0.581363	-0.97187	691.181	5029.12
2701.83	-5406.3	0.582299	-0.973149	688.433	5027.65
2703.3	-5404.07	0.583236	-0.97443	685.685	5026.17
2704.77	-5401.83	0.584175	-0.975712	682.937	5024.7
2706.24	-5399.59	0.585114	-0.976994	680.188	5023.21
2707.71	-5397.35	0.586055	-0.978277	677.439	5021.73
2709.18	-5395.11	0.586996	-0.979561	674.689	5020.25
2710.65	-5392.86	0.587939	-0.980845	671.939	5018.76
2712.12	-5390.61	0.588882	-0.98213	669.189	5017.26
2713.59	-5388.37	0.589826	-0.983416	666.438	5015.77
2715.05	-5386.12	0.590772	-0.984703	663.687	5014.27
2716.52	-5383.86	0.591718	-0.98599	660.936	5012.77

2717.98	-5381.61	0.592665	-0.987279	658.184	5011.27
2719.44	-5379.36	0.593614	-0.988568	655.432	5009.77
2720.91	-5377.1	0.594563	-0.989857	652.68	5008.26
2722.37	-5374.84	0.595514	-0.991148	649.927	5006.75
2723.83	-5372.58	0.596465	-0.992439	647.174	5005.23
2725.29	-5370.32	0.597417	-0.993731	644.42	5003.72
2726.75	-5368.06	0.598371	-0.995024	641.666	5002.2
2728.2	-5365.79	0.599325	-0.996317	638.912	5000.68
2729.66	-5363.52	0.60028	-0.997611	636.157	4999.15
2731.12	-5361.25	0.601237	-0.998906	633.402	4997.63
2732.57	-5358.98	0.602194	-1.0002	630.647	4996.1
2734.03	-5356.71	0.603152	-1.0015	627.892	4994.56
2735.48	-5354.44	0.604112	-1.0028	625.136	4993.03
2736.93	-5352.16	0.605072	-1.00409	622.379	4991.49
2738.38	-5349.88	0.606034	-1.00539	619.623	4989.95
2739.83	-5347.6	0.606996	-1.00669	616.866	4988.41
2741.28	-5345.32	0.607959	-1.00799	614.108	4986.86
2742.73	-5343.04	0.608924	-1.00929	611.351	4985.31
2744.18	-5340.76	0.609889	-1.01059	608.593	4983.76
2745.63	-5338.47	0.610855	-1.0119	605.834	4982.21
2747.08	-5336.18	0.611823	-1.0132	603.076	4980.65
2748.52	-5333.89	0.612791	-1.0145	600.317	4979.09
2749.97	-5331.6	0.613761	-1.01581	597.557	4977.53
2751.41	-5329.31	0.614731	-1.01711	594.797	4975.96
2752.85	-5327.01	0.615703	-1.01842	592.037	4974.39
2754.29	-5324.72	0.616675	-1.01973	589.277	4972.82
2755.74	-5322.42	0.617648	-1.02103	586.516	4971.25
2757.18	-5320.12	0.618623	-1.02234	583.755	4969.67
2758.61	-5317.82	0.619598	-1.02365	580.994	4968.09
2760.05	-5315.51	0.620575	-1.02496	578.233	4966.51
2761.49	-5313.21	0.621552	-1.02627	575.471	4964.93
2762.93	-5310.9	0.622531	-1.02758	572.708	4963.34
2764.36	-5308.59	0.62351	-1.0289	569.946	4961.75
2765.8	-5306.28	0.624491	-1.03021	567.183	4960.16
2767.23	-5303.97	0.625473	-1.03152	564.419	4958.56
2768.66	-5301.66	0.626455	-1.03284	561.656	4956.96
2770.1	-5299.34	0.627439	-1.03415	558.892	4955.36
2771.53	-5297.02	0.628424	-1.03547	556.128	4953.75
2772.96	-5294.7	0.629409	-1.03678	553.363	4952.15
2774.39	-5292.38	0.630396	-1.0381	550.599	4950.54
2775.82	-5290.06	0.631384	-1.03942	547.833	4948.92
2777.24	-5287.74	0.632372	-1.04074	545.068	4947.31
2778.67	-5285.41	0.633362	-1.04206	542.302	4945.69
2780.1	-5283.08	0.634353	-1.04338	539.536	4944.07
2781.52	-5280.75	0.635345	-1.0447	536.77	4942.45
2782.94	-5278.42	0.636337	-1.04602	534.003	4940.82
2784.37	-5276.09	0.637331	-1.04734	531.236	4939.19
2785.79	-5273.76	0.638326	-1.04866	528.469	4937.56
2787.21	-5271.42	0.639322	-1.04999	525.701	4935.92
2788.63	-5269.08	0.640319	-1.05131	522.933	4934.28
2790.05	-5266.74	0.641317	-1.05264	520.165	4932.64
2791.47	-5264.4	0.642316	-1.05396	517.397	4931
2792.89	-5262.06	0.643316	-1.05529	514.628	4929.35
2794.3	-5259.71	0.644317	-1.05662	511.859	4927.7
2795.72	-5257.36	0.645319	-1.05795	509.089	4926.05
2797.13	-5255.02	0.646322	-1.05928	506.32	4924.4
2798.55	-5252.66	0.647326	-1.06061	503.55	4922.74

2799.96	-5250.31	0.648332	-1.06194	500.78	4921.08
2801.37	-5247.96	0.649338	-1.06327	498.009	4919.41
2802.78	-5245.6	0.650345	-1.0646	495.238	4917.75
2804.19	-5243.25	0.651353	-1.06593	492.467	4916.08
2805.6	-5240.89	0.652363	-1.06726	489.696	4914.41
2807.01	-5238.53	0.653373	-1.0686	486.924	4912.73
2808.42	-5236.16	0.654384	-1.06993	484.152	4911.05
2809.82	-5233.8	0.655397	-1.07127	481.38	4909.37
2811.23	-5231.43	0.65641	-1.07261	478.607	4907.69
2812.63	-5229.06	0.657425	-1.07394	475.834	4906
2814.03	-5226.7	0.65844	-1.07528	473.061	4904.31
2815.44	-5224.32	0.659457	-1.07662	470.288	4902.62
2816.84	-5221.95	0.660474	-1.07796	467.514	4900.93
2818.24	-5219.58	0.661493	-1.0793	464.74	4899.23
2819.64	-5217.2	0.662513	-1.08064	461.966	4897.53
2821.04	-5214.82	0.663534	-1.08198	459.192	4895.82
2822.44	-5212.44	0.664555	-1.08332	456.417	4894.12
2823.83	-5210.06	0.665578	-1.08466	453.642	4892.41
2825.23	-5207.68	0.666602	-1.08601	450.867	4890.69
2826.62	-5205.29	0.667627	-1.08735	448.091	4888.98
2828.02	-5202.9	0.668653	-1.0887	445.315	4887.26
2829.41	-5200.51	0.66968	-1.09004	442.539	4885.54
2830.8	-5198.12	0.670708	-1.09139	439.763	4883.82
2832.19	-5195.73	0.671737	-1.09274	436.986	4882.09
2833.58	-5193.34	0.672767	-1.09408	434.21	4880.36
2834.97	-5190.94	0.673799	-1.09543	431.432	4878.63
2836.36	-5188.54	0.674831	-1.09678	428.655	4876.89
2837.75	-5186.14	0.675864	-1.09813	425.877	4875.15
2839.13	-5183.74	0.676898	-1.09948	423.1	4873.41
2840.52	-5181.34	0.677934	-1.10083	420.321	4871.67
2841.9	-5178.94	0.67897	-1.10219	417.543	4869.92
2843.29	-5176.53	0.680008	-1.10354	414.764	4868.17
2844.67	-5174.12	0.681047	-1.10489	411.986	4866.42
2846.05	-5171.71	0.682086	-1.10625	409.206	4864.66
2847.43	-5169.3	0.683127	-1.1076	406.427	4862.9
2848.81	-5166.89	0.684169	-1.10896	403.648	4861.14
2850.19	-5164.47	0.685211	-1.11031	400.868	4859.38
2851.57	-5162.05	0.686255	-1.11167	398.088	4857.61
2852.94	-5159.63	0.6873	-1.11303	395.307	4855.84
2854.32	-5157.21	0.688346	-1.11439	392.527	4854.07
2855.69	-5154.79	0.689393	-1.11575	389.746	4852.29
2857.07	-5152.37	0.690441	-1.11711	386.965	4850.51
2858.44	-5149.94	0.691491	-1.11847	384.184	4848.73
2859.81	-5147.51	0.692541	-1.11983	381.402	4846.94
2861.18	-5145.09	0.693592	-1.12119	378.62	4845.15
2862.55	-5142.65	0.694645	-1.12255	375.838	4843.36
2863.92	-5140.22	0.695698	-1.12392	373.056	4841.57
2865.29	-5137.79	0.696752	-1.12528	370.274	4839.77
2866.66	-5135.35	0.697808	-1.12664	367.491	4837.97
2868.02	-5132.91	0.698865	-1.12801	364.708	4836.17
2869.39	-5130.47	0.699922	-1.12938	361.925	4834.36
2870.75	-5128.03	0.700981	-1.13074	359.142	4832.55
2872.11	-5125.59	0.702041	-1.13211	356.358	4830.74
2873.48	-5123.14	0.703102	-1.13348	353.574	4828.93
2874.84	-5120.69	0.704164	-1.13485	350.79	4827.11
2876.2	-5118.25	0.705227	-1.13622	348.006	4825.29
2877.56	-5115.79	0.706291	-1.13759	345.222	4823.46

2878.91	-5113.34	0.707356	-1.13896	342.437	4821.64
2880.27	-5110.89	0.708422	-1.14033	339.652	4819.81
2881.63	-5108.43	0.70949	-1.14171	336.867	4817.98
2882.98	-5105.98	0.710558	-1.14308	334.082	4816.14
2884.34	-5103.52	0.711628	-1.14445	331.296	4814.3
2885.69	-5101.05	0.712698	-1.14583	328.511	4812.46
2887.04	-5098.59	0.71377	-1.1472	325.725	4810.61
2888.39	-5096.13	0.714843	-1.14858	322.939	4808.77
2889.74	-5093.66	0.715916	-1.14996	320.152	4806.92
2891.09	-5091.19	0.716991	-1.15134	317.366	4805.06
2892.44	-5088.72	0.718067	-1.15271	314.579	4803.21
2893.78	-5086.25	0.719144	-1.15409	311.792	4801.35
2895.13	-5083.78	0.720222	-1.15547	309.005	4799.48
2896.48	-5081.3	0.721301	-1.15685	306.218	4797.62
2897.82	-5078.82	0.722382	-1.15823	303.43	4795.75
2899.16	-5076.34	0.723463	-1.15962	300.643	4793.88
2900.5	-5073.86	0.724546	-1.161	297.855	4792
2901.84	-5071.38	0.725629	-1.16238	295.067	4790.12
2903.18	-5068.9	0.726714	-1.16377	292.278	4788.24
2904.52	-5066.41	0.727799	-1.16515	289.49	4786.36
2905.86	-5063.92	0.728886	-1.16654	286.701	4784.47
2907.2	-5061.43	0.729974	-1.16792	283.913	4782.58
2908.53	-5058.94	0.731063	-1.16931	281.124	4780.69
2909.87	-5056.45	0.732153	-1.1707	278.335	4778.79
2911.2	-5053.95	0.733244	-1.17208	275.545	4776.89
2912.53	-5051.46	0.734336	-1.17347	272.756	4774.99
2913.87	-5048.96	0.73543	-1.17486	269.966	4773.08
2915.2	-5046.46	0.736524	-1.17625	267.176	4771.18
2916.53	-5043.96	0.73762	-1.17764	264.386	4769.27
2917.85	-5041.45	0.738716	-1.17904	261.596	4767.35
2919.18	-5038.95	0.739814	-1.18043	258.806	4765.43
2920.51	-5036.44	0.740913	-1.18182	256.015	4763.51
2921.83	-5033.93	0.742013	-1.18321	253.224	4761.59
2923.16	-5031.42	0.743113	-1.18461	250.434	4759.66
2924.48	-5028.91	0.744216	-1.186	247.642	4757.73
2925.8	-5026.39	0.745319	-1.1874	244.851	4755.8
2927.12	-5023.87	0.746423	-1.1888	242.06	4753.86
2928.44	-5021.36	0.747528	-1.19019	239.268	4751.92
2929.76	-5018.84	0.748635	-1.19159	236.477	4749.98
2931.08	-5016.31	0.749742	-1.19299	233.685	4748.04
2932.4	-5013.79	0.750851	-1.19439	230.893	4746.09
2933.71	-5011.27	0.751961	-1.19579	228.101	4744.14
2935.03	-5008.74	0.753072	-1.19719	225.309	4742.18
2936.34	-5006.21	0.754184	-1.19859	222.516	4740.22
2937.66	-5003.68	0.755297	-1.19999	219.724	4738.26
2938.97	-5001.15	0.756411	-1.20139	216.931	4736.3
2940.28	-4998.61	0.757526	-1.2028	214.138	4734.33
2941.59	-4996.08	0.758642	-1.2042	211.345	4732.36
2942.9	-4993.54	0.75976	-1.20561	208.552	4730.39
2944.2	-4991	0.760879	-1.20701	205.759	4728.41
2945.51	-4988.46	0.761998	-1.20842	202.966	4726.43
2946.82	-4985.91	0.763119	-1.20982	200.172	4724.45
2948.12	-4983.37	0.764241	-1.21123	197.378	4722.47
2949.42	-4980.82	0.765364	-1.21264	194.585	4720.48
2950.73	-4978.27	0.766488	-1.21405	191.791	4718.49
2952.03	-4975.72	0.767613	-1.21546	188.997	4716.49
2953.33	-4973.17	0.76874	-1.21687	186.202	4714.49

2954.63	-4970.62	0.769867	-1.21828	183.408	4712.49
2955.92	-4968.06	0.770996	-1.21969	180.614	4710.49
2957.22	-4965.5	0.772126	-1.2211	177.819	4708.48
2958.52	-4962.94	0.773256	-1.22252	175.025	4706.47
2959.81	-4960.38	0.774388	-1.22393	172.23	4704.45
2961.11	-4957.82	0.775521	-1.22534	169.435	4702.44
2962.4	-4955.25	0.776655	-1.22676	166.64	4700.42
2963.69	-4952.69	0.777791	-1.22817	163.845	4698.39
2964.98	-4950.12	0.778927	-1.22959	161.05	4696.37
2966.27	-4947.55	0.780065	-1.23101	158.254	4694.34
2967.56	-4944.98	0.781203	-1.23242	155.459	4692.3
2968.85	-4942.4	0.782343	-1.23384	152.663	4690.27
2970.13	-4939.83	0.783484	-1.23526	149.868	4688.23
2971.42	-4937.25	0.784626	-1.23668	147.072	4686.19
2972.7	-4934.67	0.785769	-1.2381	144.276	4684.14
2973.98	-4932.09	0.786913	-1.23952	141.48	4682.09
2975.27	-4929.5	0.788059	-1.24094	138.684	4680.04
2976.55	-4926.92	0.789205	-1.24237	135.888	4677.99
2977.83	-4924.33	0.790353	-1.24379	133.092	4675.93
2979.1	-4921.74	0.791502	-1.24521	130.295	4673.87
2980.38	-4919.15	0.792652	-1.24664	127.499	4671.8
2981.66	-4916.56	0.793803	-1.24806	124.702	4669.73
2982.93	-4913.97	0.794955	-1.24949	121.906	4667.66
2984.21	-4911.37	0.796108	-1.25091	119.109	4665.59
2985.48	-4908.77	0.797262	-1.25234	116.312	4663.51
2986.75	-4906.18	0.798418	-1.25377	113.515	4661.43
2988.02	-4903.57	0.799575	-1.2552	110.719	4659.35
2989.29	-4900.97	0.800732	-1.25663	107.922	4657.26
2990.56	-4898.37	0.801891	-1.25806	105.125	4655.17
2991.83	-4895.76	0.803051	-1.25949	102.327	4653.07
2993.09	-4893.15	0.804212	-1.26092	99.5302	4650.98
2994.36	-4890.54	0.805375	-1.26235	96.7329	4648.88
2995.62	-4887.93	0.806538	-1.26378	93.9356	4646.77
2996.89	-4885.32	0.807703	-1.26521	91.1382	4644.67
2998.15	-4882.7	0.808869	-1.26665	88.3407	4642.56
2999.41	-4880.08	0.810036	-1.26808	85.5432	4640.44
3000.67	-4877.46	0.811204	-1.26952	82.7456	4638.33
3001.93	-4874.84	0.812373	-1.27095	79.9479	4636.21
3003.19	-4872.22	0.813543	-1.27239	77.1502	4634.08
3004.44	-4869.59	0.814714	-1.27382	74.3524	4631.96
3005.7	-4866.97	0.815887	-1.27526	71.5546	4629.83
3006.95	-4864.34	0.817061	-1.2767	68.7568	4627.7
3008.2	-4861.71	0.818236	-1.27814	65.9589	4625.56
3009.46	-4859.08	0.819412	-1.27958	63.1609	4623.42
3010.71	-4856.44	0.820589	-1.28102	60.3629	4621.28
3011.96	-4853.81	0.821767	-1.28246	57.5648	4619.13
3013.21	-4851.17	0.822946	-1.2839	54.7667	4616.98
3014.45	-4848.53	0.824127	-1.28534	51.9686	4614.83
3015.7	-4845.89	0.825309	-1.28679	49.1704	4612.68
3016.94	-4843.25	0.826492	-1.28823	46.3722	4610.52
3018.19	-4840.6	0.827676	-1.28967	43.574	4608.36
3019.43	-4837.96	0.828861	-1.29112	40.7757	4606.19
3020.67	-4835.31	0.830047	-1.29256	37.9774	4604.02
3021.91	-4832.66	0.831235	-1.29401	35.1791	4601.85
3023.15	-4830	0.832423	-1.29546	32.3808	4599.67
3024.39	-4827.35	0.833613	-1.2969	29.5824	4597.5
3025.63	-4824.7	0.834804	-1.29835	26.784	4595.31

3026.86	-4822.04	0.835996	-1.2998	23.9856	4593.13
3028.1	-4819.38	0.837189	-1.30125		21.1872 4590.94
3029.33	-4816.72	0.838384	-1.3027	18.3887	4588.75
3030.56	-4814.05	0.839579	-1.30415		15.5903 4586.55
3031.8	-4811.39	0.840776	-1.3056	12.7918	4584.35
3033.03	-4808.72	0.841974	-1.30705		9.99331 4582.15
3034.25	-4806.05	0.843173	-1.3085	7.19482	4579.95
3035.48	-4803.38	0.844373	-1.30996		4.39633 4577.74
3036.71	-4800.71	0.845574	-1.31141		1.59783 4575.53
3037.93	-4798.04	0.846777	-1.31287		-1.20067
4573.31					
3039.16	-4795.36	0.84798	-1.31432	-3.99916	4571.09
3040.38	-4792.68	0.849185	-1.31578		-6.79766
4568.87					
3041.6	-4790	0.850391	-1.31723	-9.59615	4566.65
3042.83	-4787.32	0.851598	-1.31869		-12.3946
4564.42					
3044.04	-4784.64	0.852807	-1.32015		-15.1931
4562.19					
3045.26	-4781.95	0.854016	-1.32161		-17.9916
4559.95					
3046.48	-4779.27	0.855227	-1.32306		-20.79 4557.71
3047.7	-4776.58	0.856439	-1.32452		-23.5884
4555.47					
3048.91	-4773.89	0.857652	-1.32598		-26.3869
4553.22					
3050.13	-4771.2	0.858866	-1.32744	-29.1853	4550.98
3051.34	-4768.5	0.860081	-1.32891	-31.9836	4548.72
3052.55	-4765.8	0.861298	-1.33037	-34.782	4546.47
3053.76	-4763.11	0.862515	-1.33183		-37.5803
4544.21					
3054.97	-4760.41	0.863734	-1.33329		-40.3786
4541.95					
3056.18	-4757.71	0.864954	-1.33476		-43.1769
4539.68					
3057.38	-4755	0.866175	-1.33622	-45.9751	4537.41
3058.59	-4752.3	0.867397	-1.33769	-48.7733	4535.14
3059.79	-4749.59	0.868621	-1.33915		-51.5715
4532.86					
3061	-4746.88	0.869846	-1.34062		-54.3696
4530.58					
3062.2	-4744.17	0.871072	-1.34209		-57.1677
4528.3					
3063.4	-4741.46	0.872299	-1.34355		-59.9658
4526.02					
3064.6	-4738.74	0.873527	-1.34502		-62.7638
4523.73					
3065.8	-4736.03	0.874756	-1.34649		-65.5617
4521.43					
3067	-4733.31	0.875987	-1.34796		-68.3596
4519.14					
3068.19	-4730.59	0.877218	-1.34943		-71.1575
4516.84					
3069.39	-4727.87	0.878451	-1.3509	-73.9553	4514.53
3070.58	-4725.14	0.879685	-1.35237		-76.753 4512.23
3071.77	-4722.42	0.880921	-1.35385		-79.5507
4509.92					

3072.96	-4719.69	0.882157	-1.35532	-82.3483	
4507.6					
3074.15	-4716.96	0.883395	-1.35679	-85.1459	
4505.29					
3075.34	-4714.23	0.884634	-1.35827	-87.9434	
4502.97					
3076.53	-4711.49	0.885874	-1.35974	-90.7408	
4500.64					
3077.72	-4708.76	0.887115	-1.36122	-93.5382	
4498.32					
3078.9	-4706.02	0.888357	-1.36269	-96.3354	
4495.99					
3080.09	-4703.28	0.889601	-1.36417	-99.1327	
4493.65					
3081.27	-4700.54	0.890845	-1.36564	-101.93	4491.31
3082.45	-4697.8	0.892091	-1.36712	-104.727	4488.97
3083.63	-4695.06	0.893339	-1.3686	-107.524	4486.63
3084.81	-4692.31	0.894587	-1.37008	-110.321	
4484.28					
3085.99	-4689.56	0.895836	-1.37156	-113.118	
4481.93					
3087.17	-4686.81	0.897087	-1.37304	-115.914	
4479.57					
3088.34	-4684.06	0.898339	-1.37452	-118.711	
4477.21					
3089.52	-4681.31	0.899592	-1.376	-121.507	4474.85
3090.69	-4678.55	0.900846	-1.37748	-124.304	
4472.49					
3091.86	-4675.8	0.902102	-1.37897	-127.1	4470.12
3093.03	-4673.04	0.903358	-1.38045	-129.896	
4467.75					
3094.2	-4670.28	0.904616	-1.38193	-132.693	
4465.37					
3095.37	-4667.51	0.905875	-1.38342	-135.489	
4462.99					
3096.54	-4664.75	0.907135	-1.3849	-138.285	4460.61
3097.7	-4661.98	0.908397	-1.38639	-141.08	4458.22
3098.87	-4659.21	0.909659	-1.38787	-143.876	
4455.83					
3100.03	-4656.44	0.910923	-1.38936	-146.672	
4453.44					
3101.19	-4653.67	0.912188	-1.39085	-149.467	
4451.04					
3102.35	-4650.9	0.913454	-1.39234	-152.263	4448.64
3103.51	-4648.12	0.914722	-1.39382	-155.058	
4446.24					
3104.67	-4645.34	0.915991	-1.39531	-157.853	
4443.83					
3105.83	-4642.56	0.91726	-1.3968	-160.648	4441.42
3106.98	-4639.78	0.918531	-1.39829	-163.443	
4439					
3108.14	-4637	0.919804	-1.39979	-166.238	4436.59
3109.29	-4634.22	0.921077	-1.40128	-169.032	
4434.16					
3110.44	-4631.43	0.922352	-1.40277	-171.827	
4431.74					
3111.59	-4628.64	0.923627	-1.40426	-174.621	

4429.31					
3112.74	-4625.85	0.924905	-1.40576	-177.415	
4426.88					
3113.89	-4623.06	0.926183	-1.40725	-180.209	
4424.44					
3115.04	-4620.26	0.927462	-1.40874	-183.003	
4422					
3116.18	-4617.47	0.928743	-1.41024	-185.797	
4419.56					
3117.33	-4614.67	0.930025	-1.41174	-188.591	
4417.11					
3118.47	-4611.87	0.931308	-1.41323	-191.384	
4414.66					
3119.61	-4609.06	0.932592	-1.41473	-194.177	
4412.21					
3120.75	-4606.26	0.933878	-1.41623	-196.971	
4409.75					
3121.89	-4603.46	0.935164	-1.41772	-199.763	
4407.29					
3123.03	-4600.65	0.936452	-1.41922	-202.556	
4404.83					
3124.17	-4597.84	0.937741	-1.42072	-205.349	
4402.36					
3125.3	-4595.03	0.939032	-1.42222	-208.141	
4399.89					
3126.44	-4592.21	0.940323	-1.42372	-210.934	
4397.41					
3127.57	-4589.4	0.941616	-1.42522	-213.726	4394.93
3128.7	-4586.58	0.94291	-1.42673	-216.518	4392.45
3129.83	-4583.76	0.944205	-1.42823	-219.31	4389.96
3130.96	-4580.94	0.945502	-1.42973	-222.101	
4387.47					
3132.09	-4578.12	0.946799	-1.43124	-224.893	
4384.98					
3133.22	-4575.3	0.948098	-1.43274	-227.684	4382.48
3134.34	-4572.47	0.949398	-1.43424	-230.475	
4379.98					
3135.46	-4569.64	0.9507	-1.43575	-233.266	4377.48
3136.59	-4566.81	0.952002	-1.43726	-236.057	
4374.97					
3137.71	-4563.98	0.953306	-1.43876	-238.847	
4372.46					
3138.83	-4561.15	0.954611	-1.44027	-241.637	
4369.94					
3139.95	-4558.31	0.955917	-1.44178	-244.428	
4367.42					
3141.06	-4555.47	0.957224	-1.44328	-247.217	
4364.9					
3142.18	-4552.63	0.958533	-1.44479	-250.007	
4362.37					
3143.3	-4549.79	0.959843	-1.4463	-252.797	4359.84
3144.41	-4546.95	0.961154	-1.44781	-255.586	
4357.31					
3145.52	-4544.1	0.962466	-1.44932	-258.375	4354.77
3146.63	-4541.26	0.96378	-1.45083	-261.164	4352.23
3147.74	-4538.41	0.965095	-1.45235	-263.952	
4349.69					

3148.85	-4535.56	0.966411	-1.45386	-266.741	
4347.14					
3149.96	-4532.7	0.967728	-1.45537	-269.529	4344.59
3151.06	-4529.85	0.969046	-1.45688	-272.317	
4342.03					
3152.17	-4526.99	0.970366	-1.4584	-275.104	4339.47
3153.27	-4524.13	0.971687	-1.45991	-277.892	
4336.91					
3154.37	-4521.27	0.973009	-1.46143	-280.679	
4334.34					
3155.47	-4518.41	0.974332	-1.46294	-283.466	
4331.77					
3156.57	-4515.55	0.975657	-1.46446	-286.253	
4329.2					
3157.67	-4512.68	0.976983	-1.46598	-289.039	
4326.62					
3158.77	-4509.81	0.97831	-1.46749	-291.826	4324.04
3159.86	-4506.94	0.979638	-1.46901	-294.612	
4321.46					
3160.96	-4504.07	0.980968	-1.47053	-297.397	
4318.87					
3162.05	-4501.2	0.982299	-1.47205	-300.183	4316.27
3163.14	-4498.32	0.983631	-1.47357	-302.968	
4313.68					
3164.23	-4495.45	0.984964	-1.47509	-305.753	
4311.08					
3165.32	-4492.57	0.986298	-1.47661	-308.538	
4308.47					
3166.41	-4489.69	0.987634	-1.47813	-311.322	
4305.87					
3167.49	-4486.8	0.988971	-1.47965	-314.106	4303.25
3168.58	-4483.92	0.990309	-1.48117	-316.89	4300.64
3169.66	-4481.03	0.991649	-1.4827	-319.674	4298.02
3170.74	-4478.14	0.99299	-1.48422	-322.457	4295.4
3171.82	-4475.25	0.994331	-1.48574	-325.24	4292.77
3172.9	-4472.36	0.995675	-1.48727	-328.023	
4290.14					
3173.98	-4469.46	0.997019	-1.48879	-330.805	
4287.51					
3175.06	-4466.57	0.998365	-1.49032	-333.588	
4284.87					
3176.13	-4463.67	0.999712	-1.49185	-336.37	4282.23
3177.21	-4460.77	1.00106	-1.49337	-339.151	4279.58
3178.28	-4457.87	1.00241	-1.4949	-341.932	4276.94
3179.35	-4454.96	1.00376	-1.49643	-344.713	4274.28
3180.42	-4452.06	1.00511	-1.49796	-347.494	4271.63
3181.49	-4449.15	1.00647	-1.49949	-350.275	4268.97
3182.55	-4446.24	1.00782	-1.50102	-353.055	4266.3
3183.62	-4443.33	1.00918	-1.50255	-355.834	4263.63
3184.68	-4440.42	1.01053	-1.50408	-358.614	4260.96
3185.75	-4437.5	1.01189	-1.50561	-361.393	4258.29
3186.81	-4434.58	1.01325	-1.50714	-364.172	4255.61
3187.87	-4431.67	1.01461	-1.50867	-366.95	4252.93
3188.93	-4428.74	1.01597	-1.5102	-369.728	4250.24
3189.98	-4425.82	1.01734	-1.51174	-372.506	4247.55
3191.04	-4422.9	1.0187	-1.51327	-375.284	4244.85
3192.1	-4419.97	1.02007	-1.51481	-378.061	4242.15

3193.15	-4417.04		1.02143	-1.51634	-380.838	4239.45
3194.2	-4414.11		1.0228	-1.51788	-383.614	4236.75
3195.25	-4411.18		1.02417	-1.51941	-386.39	4234.04
3196.3	-4408.24		1.02554	-1.52095	-389.166	4231.32
3197.35	-4405.31		1.02691	-1.52249	-391.941	4228.6
3198.39	-4402.37		1.02829	-1.52402	-394.716	4225.88
3199.44	-4399.43		1.02966	-1.52556	-397.491	4223.16
3200.48	-4396.49		1.03104	-1.5271	-400.265	4220.43
3201.53	-4393.54		1.03241	-1.52864	-403.039	4217.7
3202.57	-4390.6	1.03379	-1.53018	-405.813		4214.96
3203.61	-4387.65		1.03517	-1.53172	-408.586	4212.22
3204.64	-4384.7	1.03655	-1.53326	-411.359		4209.47
3205.68	-4381.75		1.03793	-1.5348	-414.131	4206.73
3206.72	-4378.79		1.03932	-1.53635	-416.903	4203.97
3207.75	-4375.84		1.0407	-1.53789	-419.675	4201.22
3208.78	-4372.88		1.04209	-1.53943	-422.446	4198.46
3209.81	-4369.92		1.04348	-1.54097	-425.217	4195.69
3210.84	-4366.96		1.04486	-1.54252	-427.988	4192.92
3211.87	-4364	1.04625	-1.54406	-430.758		4190.15
3212.9	-4361.03		1.04764	-1.54561	-433.528	4187.38
3213.92	-4358.07		1.04904	-1.54715	-436.297	4184.6
3214.95	-4355.1	1.05043	-1.5487	-439.066	4181.81	
3215.97	-4352.13		1.05183	-1.55025	-441.834	4179.02
3216.99	-4349.15		1.05322	-1.55179	-444.602	4176.23
3218.01	-4346.18		1.05462	-1.55334	-447.37	4173.44
3219.03	-4343.2	1.05602	-1.55489	-450.137		4170.64
3220.05	-4340.22		1.05742	-1.55644	-452.904	4167.83
3221.06	-4337.24		1.05882	-1.55799	-455.67	4165.03
3222.07	-4334.26		1.06022	-1.55954	-458.436	4162.21
3223.09	-4331.28		1.06162	-1.56109	-461.202	4159.4
3224.1	-4328.29		1.06303	-1.56264	-463.967	4156.58
3225.11	-4325.3	1.06444	-1.56419	-466.731		4153.76
3226.12	-4322.31		1.06584	-1.56574	-469.495	4150.93
3227.12	-4319.32		1.06725	-1.56729	-472.259	4148.1
3228.13	-4316.33		1.06866	-1.56885	-475.022	4145.26
3229.13	-4313.33		1.07007	-1.5704	-477.785	4142.42
3230.14	-4310.33		1.07149	-1.57195	-480.548	4139.58
3231.14	-4307.33		1.0729	-1.57351	-483.309	4136.73
3232.14	-4304.33		1.07432	-1.57506	-486.071	4133.88
3233.13	-4301.33		1.07573	-1.57662	-488.832	4131.03
3234.13	-4298.32		1.07715	-1.57817	-491.592	4128.17
3235.13	-4295.31		1.07857	-1.57973	-494.352	4125.3
3236.12	-4292.3	1.07999	-1.58129	-497.112		4122.44
3237.11	-4289.29		1.08141	-1.58284	-499.871	4119.56
3238.1	-4286.28		1.08283	-1.5844	-502.629	4116.69
3239.09	-4283.26		1.08426	-1.58596	-505.387	4113.81
3240.08	-4280.25		1.08568	-1.58752	-508.145	4110.93
3241.07	-4277.23		1.08711	-1.58908	-510.902	4108.04
3242.05	-4274.21		1.08854	-1.59064	-513.658	4105.15
3243.03	-4271.18		1.08997	-1.5922	-516.414	4102.25
3244.02	-4268.16		1.0914	-1.59376	-519.17	4099.35
3245	-4265.13		1.09283	-1.59532	-521.925	4096.45
3245.97	-4262.1	1.09426	-1.59688	-524.679		4093.54
3246.95	-4259.07		1.0957	-1.59844	-527.433	4090.63
3247.93	-4256.04		1.09713	-1.60001	-530.187	4087.71
3248.9	-4253.01		1.09857	-1.60157	-532.94	4084.79
3249.88	-4249.97		1.10001	-1.60313	-535.692	4081.87

3250.85	-4246.93	1.10145	-1.6047	-538.444	4078.94
3251.82	-4243.89	1.10289	-1.60626	-541.195	4076.01
3252.79	-4240.85	1.10433	-1.60783	-543.946	4073.07
3253.75	-4237.8	1.10578	-1.60939	-546.696	4070.13
3254.72	-4234.76	1.10722	-1.61096	-549.446	4067.19
3255.68	-4231.71	1.10867	-1.61253	-552.195	4064.24
3256.65	-4228.66	1.11011	-1.61409	-554.943	4061.28
3257.61	-4225.61	1.11156	-1.61566	-557.691	4058.33
3258.57	-4222.55	1.11301	-1.61723	-560.439	4055.37
3259.53	-4219.5	1.11446	-1.6188	-563.186	4052.4
3260.48	-4216.44	1.11592	-1.62037	-565.932	4049.43
3261.44	-4213.38	1.11737	-1.62193	-568.678	4046.46
3262.39	-4210.32	1.11883	-1.6235	-571.423	4043.48
3263.34	-4207.25	1.12028	-1.62507	-574.167	4040.5
3264.29	-4204.19	1.12174	-1.62665	-576.911	4037.51
3265.24	-4201.12	1.1232	-1.62822	-579.655	4034.52
3266.19	-4198.05	1.12466	-1.62979	-582.397	4031.53
3267.14	-4194.98	1.12612	-1.63136	-585.139	4028.53
3268.08	-4191.9	1.12759	-1.63293	-587.881	4025.53
3269.03	-4188.83	1.12905	-1.63451	-590.622	4022.52
3269.97	-4185.75	1.13052	-1.63608	-593.362	4019.51
3270.91	-4182.67	1.13198	-1.63765	-596.102	4016.49
3271.85	-4179.59	1.13345	-1.63923	-598.841	4013.47
3272.78	-4176.5	1.13492	-1.6408	-601.579	4010.45
3273.72	-4173.42	1.13639	-1.64238	-604.317	4007.42
3274.65	-4170.33	1.13786	-1.64396	-607.054	4004.39
3275.58	-4167.24	1.13934	-1.64553	-609.791	4001.35
3276.51	-4164.15	1.14081	-1.64711	-612.527	3998.31
3277.44	-4161.06	1.14229	-1.64869	-615.262	3995.27
3278.37	-4157.96	1.14377	-1.65026	-617.997	3992.22
3279.3	-4154.87	1.14524	-1.65184	-620.731	3989.17
3280.22	-4151.77	1.14672	-1.65342	-623.464	3986.11
3281.15	-4148.67	1.14821	-1.655	-626.196	3983.05
3282.07	-4145.56	1.14969	-1.65658	-628.928	3979.98
3282.99	-4142.46	1.15117	-1.65816	-631.66	3976.91
3283.91	-4139.35	1.15266	-1.65974	-634.39	3973.84
3284.82	-4136.24	1.15414	-1.66132	-637.12	3970.76
3285.74	-4133.13	1.15563	-1.6629	-639.849	3967.68
3286.65	-4130.02	1.15712	-1.66448	-642.578	3964.59
3287.56	-4126.9	1.15861	-1.66606	-645.306	3961.5
3288.47	-4123.79	1.1601	-1.66765	-648.033	3958.4
3289.38	-4120.67	1.1616	-1.66923	-650.759	3955.3
3290.29	-4117.55	1.16309	-1.67081	-653.485	3952.2
3291.2	-4114.42	1.16459	-1.6724	-656.21	3949.09
3292.1	-4111.3	1.16609	-1.67398	-658.935	3945.98
3293	-4108.17	1.16758	-1.67557	-661.658	3942.86
3293.9	-4105.04	1.16908	-1.67715	-664.381	3939.74
3294.8	-4101.91	1.17059	-1.67874	-667.103	3936.61
3295.7	-4098.78	1.17209	-1.68032	-669.825	3933.48
3296.6	-4095.65	1.17359	-1.68191	-672.545	3930.35
3297.49	-4092.51	1.1751	-1.6835	-675.265	3927.21
3298.39	-4089.37	1.1766	-1.68508	-677.985	3924.06
3299.28	-4086.23	1.17811	-1.68667	-680.703	3920.92
3300.17	-4083.09	1.17962	-1.68826	-683.421	3917.77
3301.06	-4079.95	1.18113	-1.68985	-686.138	3914.61
3301.94	-4076.8	1.18264	-1.69144	-688.854	3911.45
3302.83	-4073.65	1.18416	-1.69303	-691.569	3908.28

3303.71	-4070.5	1.18567	-1.69462	-694.284	3905.11	
3304.59	-4067.35		1.18719	-1.69621	-696.998	3901.94
3305.48	-4064.19		1.1887	-1.6978	-699.711	3898.76
3306.35	-4061.04		1.19022	-1.69939	-702.423	3895.58
3307.23	-4057.88		1.19174	-1.70098	-705.135	3892.39
3308.11	-4054.72		1.19326	-1.70257	-707.845	3889.2
3308.98	-4051.56		1.19478	-1.70417	-710.555	3886.01
3309.85	-4048.39		1.19631	-1.70576	-713.264	3882.81
3310.72	-4045.23		1.19783	-1.70735	-715.973	3879.6
3311.59	-4042.06		1.19936	-1.70894	-718.68	3876.39
3312.46	-4038.89		1.20089	-1.71054	-721.387	3873.18
3313.33	-4035.72		1.20242	-1.71213	-724.093	3869.96
3314.19	-4032.54		1.20395	-1.71373	-726.798	3866.74
3315.05	-4029.37		1.20548	-1.71532	-729.502	3863.51
3315.91	-4026.19		1.20701	-1.71692	-732.205	3860.28
3316.77	-4023.01		1.20855	-1.71851	-734.908	3857.05
3317.63	-4019.83		1.21008	-1.72011	-737.609	3853.81
3318.49	-4016.64		1.21162	-1.72171	-740.31	3850.56
3319.34	-4013.46		1.21316	-1.7233	-743.01	3847.31
3320.19	-4010.27		1.2147	-1.7249	-745.709	3844.06
3321.05	-4007.08		1.21624	-1.7265	-748.408	3840.8
3321.9	-4003.89		1.21778	-1.7281	-751.105	3837.54
3322.74	-4000.69		1.21932	-1.7297	-753.801	3834.27
3323.59	-3997.5	1.22087	-1.7313	-756.497	3831	
3324.43	-3994.3	1.22242	-1.7329	-759.192	3827.73	
3325.28	-3991.1	1.22396	-1.7345	-761.885	3824.45	
3326.12	-3987.9	1.22551	-1.7361	-764.578	3821.16	
3326.96	-3984.69		1.22706	-1.7377	-767.27	3817.87
3327.79	-3981.49		1.22862	-1.7393	-769.961	3814.58
3328.63	-3978.28		1.23017	-1.7409	-772.652	3811.28
3329.47	-3975.07		1.23172	-1.7425	-775.341	3807.98
3330.3	-3971.86		1.23328	-1.7441	-778.029	3804.67
3331.13	-3968.64		1.23484	-1.74571	-780.717	3801.36
3331.96	-3965.43		1.23639	-1.74731	-783.403	3798.04
3332.79	-3962.21		1.23795	-1.74891	-786.089	3794.72
3333.61	-3958.99		1.23952	-1.75052	-788.773	3791.39
3334.44	-3955.77		1.24108	-1.75212	-791.457	3788.06
3335.26	-3952.54		1.24264	-1.75372	-794.14	3784.73
3336.08	-3949.32		1.24421	-1.75533	-796.821	3781.39
3336.9	-3946.09		1.24577	-1.75693	-799.502	3778.05
3337.72	-3942.86		1.24734	-1.75854	-802.182	3774.7
3338.53	-3939.63		1.24891	-1.76015	-804.861	3771.34
3339.35	-3936.39		1.25048	-1.76175	-807.539	3767.99
3340.16	-3933.16		1.25205	-1.76336	-810.215	3764.62
3340.97	-3929.92		1.25363	-1.76497	-812.891	3761.26
3341.78	-3926.68		1.2552	-1.76657	-815.566	3757.89
3342.59	-3923.44		1.25678	-1.76818	-818.24	3754.51
3343.39	-3920.19		1.25836	-1.76979	-820.913	3751.13
3344.2	-3916.95		1.25993	-1.7714	-823.585	3747.74
3345	-3913.7	1.26151	-1.77301	-826.256	3744.35	
3345.8	-3910.45		1.2631	-1.77461	-828.925	3740.96
3346.6	-3907.2	1.26468	-1.77622	-831.594	3737.56	
3347.4	-3903.94		1.26626	-1.77783	-834.262	3734.16
3348.19	-3900.69		1.26785	-1.77944	-836.929	3730.75
3348.99	-3897.43		1.26944	-1.78105	-839.594	3727.33
3349.78	-3894.17		1.27102	-1.78267	-842.259	3723.92
3350.57	-3890.91		1.27261	-1.78428	-844.922	3720.49

3351.36	-3887.64	1.2742	-1.78589	-847.585	3717.07
3352.14	-3884.38	1.2758	-1.7875	-850.246	3713.63
3352.93	-3881.11	1.27739	-1.78911	-852.907	3710.2
3353.71	-3877.84	1.27898	-1.79072	-855.566	3706.76
3354.49	-3874.56	1.28058	-1.79234	-858.224	3703.31
3355.27	-3871.29	1.28218	-1.79395	-860.881	3699.86
3356.05	-3868.01	1.28378	-1.79556	-863.537	3696.4
3356.83	-3864.74	1.28538	-1.79718	-866.192	3692.94
3357.6	-3861.46	1.28698	-1.79879	-868.846	3689.48
3358.38	-3858.17	1.28858	-1.80041	-871.499	3686.01
3359.15	-3854.89	1.29019	-1.80202	-874.15	3682.54
3359.92	-3851.6	1.29179	-1.80364	-876.801	3679.06
3360.68	-3848.31	1.2934	-1.80525	-879.45	3675.57
3361.45	-3845.02	1.29501	-1.80687	-882.098	3672.08
3362.21	-3841.73	1.29662	-1.80848	-884.745	3668.59
3362.98	-3838.44	1.29823	-1.8101	-887.391	3665.09
3363.74	-3835.14	1.29984	-1.81172	-890.036	3661.59
3364.49	-3831.84	1.30146	-1.81333	-892.679	3658.08
3365.25	-3828.54	1.30307	-1.81495	-895.322	3654.57
3366.01	-3825.24	1.30469	-1.81657	-897.963	3651.05
3366.76	-3821.94	1.30631	-1.81819	-900.603	3647.53
3367.51	-3818.63	1.30793	-1.81981	-903.242	3644
3368.26	-3815.32	1.30955	-1.82142	-905.879	3640.47
3369.01	-3812.01	1.31117	-1.82304	-908.516	3636.93
3369.76	-3808.7	1.31279	-1.82466	-911.151	3633.39
3370.5	-3805.38	1.31442	-1.82628	-913.785	3629.85
3371.24	-3802.07	1.31604	-1.8279	-916.418	3626.29
3371.98	-3798.75	1.31767	-1.82952	-919.049	3622.74
3372.72	-3795.43	1.3193	-1.83114	-921.68	3619.18
3373.46	-3792.1	1.32093	-1.83276	-924.309	3615.61
3374.2	-3788.78	1.32256	-1.83438	-926.937	3612.04
3374.93	-3785.45	1.3242	-1.83601	-929.563	3608.47
3375.66	-3782.12	1.32583	-1.83763	-932.189	3604.89
3376.39	-3778.79	1.32747	-1.83925	-934.813	3601.3
3377.12	-3775.46	1.3291	-1.84087	-937.436	3597.71
3377.84	-3772.12	1.33074	-1.84249	-940.057	3594.12
3378.57	-3768.79	1.33238	-1.84412	-942.678	3590.52
3379.29	-3765.45	1.33402	-1.84574	-945.297	3586.91
3380.01	-3762.11	1.33566	-1.84736	-947.914	3583.3
3380.73	-3758.76	1.33731	-1.84899	-950.531	3579.69
3381.45	-3755.42	1.33895	-1.85061	-953.146	3576.07
3382.16	-3752.07	1.3406	-1.85224	-955.76	3572.44
3382.88	-3748.72	1.34225	-1.85386	-958.372	3568.81
3383.59	-3745.37	1.3439	-1.85548	-960.983	3565.18
3384.3	-3742.02	1.34555	-1.85711	-963.593	3561.54
3385.01	-3738.66	1.3472	-1.85873	-966.202	3557.9
3385.71	-3735.3	1.34885	-1.86036	-968.809	3554.25
3386.42	-3731.95	1.35051	-1.86199	-971.415	3550.59
3387.12	-3728.58	1.35217	-1.86361	-974.019	3546.93
3387.82	-3725.22	1.35382	-1.86524	-976.622	3543.27
3388.52	-3721.85	1.35548	-1.86687	-979.224	3539.6
3389.22	-3718.49	1.35714	-1.86849	-981.824	3535.93
3389.91	-3715.12	1.3588	-1.87012	-984.423	3532.25
3390.61	-3711.75	1.36047	-1.87175	-987.02	3528.56
3391.3	-3708.37	1.36213	-1.87337	-989.617	3524.87
3391.99	-3705	1.3638	-1.875	-992.211	3521.18
3392.67	-3701.62	1.36546	-1.87663	-994.805	3517.48

3393.36	-3698.24		1.36713	-1.87826		-997.396		3513.78
3394.04	-3694.86		1.3688	-1.87989		-999.987		3510.07
3394.73	-3691.47		1.37047	-1.88152		-1002.58		3506.35
3395.41	-3688.09		1.37215	-1.88315		-1005.16		3502.63
3396.08	-3684.7	1.37382	-1.88478		-1007.75		3498.91	
3396.76	-3681.31		1.3755	-1.8864	-1010.33		3495.18	
3397.43	-3677.92		1.37717	-1.88803		-1012.92		3491.45
3398.11	-3674.52		1.37885	-1.88967		-1015.5	3487.71	
3398.78	-3671.13		1.38053	-1.8913	-1018.08		3483.96	
3399.45	-3667.73		1.38221	-1.89293		-1020.66		3480.21
3400.11	-3664.33		1.38389	-1.89456		-1023.24		3476.46
3400.78	-3660.92		1.38558	-1.89619		-1025.81		3472.7
3401.44	-3657.52		1.38726	-1.89782		-1028.39		3468.93
3402.1	-3654.11		1.38895	-1.89945		-1030.96		3465.16
3402.76	-3650.7	1.39064	-1.90108		-1033.53		3461.39	
3403.42	-3647.29		1.39233	-1.90271		-1036.1	3457.61	
3404.07	-3643.88		1.39402	-1.90435		-1038.67		3453.82
3404.73	-3640.47		1.39571	-1.90598		-1041.23		3450.03
3405.38	-3637.05		1.3974	-1.90761		-1043.8	3446.23	
3406.03	-3633.63		1.3991	-1.90924		-1046.36		3442.43
3406.67	-3630.21		1.40079	-1.91088		-1048.92		3438.63
3407.32	-3626.79		1.40249	-1.91251		-1051.48		3434.81
3407.96	-3623.36		1.40419	-1.91414		-1054.04		3431
3408.61	-3619.93		1.40589	-1.91578		-1056.6	3427.18	
3409.25	-3616.5	1.40759	-1.91741		-1059.16		3423.35	
3409.88	-3613.07		1.40929	-1.91905		-1061.71		3419.52
3410.52	-3609.64		1.411	-1.92068		-1064.26		3415.68
3411.15	-3606.2	1.4127	-1.92232		-1066.81		3411.84	
3411.79	-3602.77		1.41441	-1.92395		-1069.36		3407.99
3412.42	-3599.33		1.41612	-1.92559		-1071.91		3404.14
3413.04	-3595.89		1.41783	-1.92722		-1074.46		3400.28
3413.67	-3592.44		1.41954	-1.92886		-1077	3396.42	
3414.29	-3589	1.42125	-1.93049		-1079.54		3392.55	
3414.92	-3585.55		1.42296	-1.93213		-1082.08		3388.67
3415.54	-3582.1	1.42468	-1.93376		-1084.62		3384.79	
3416.16	-3578.65		1.4264	-1.9354	-1087.16		3380.91	
3416.77	-3575.19		1.42811	-1.93704		-1089.7	3377.02	
3417.39	-3571.74		1.42983	-1.93867		-1092.23		3373.12
3418	-3568.28		1.43155	-1.94031		-1094.76		3369.22
3418.61	-3564.82		1.43328	-1.94195		-1097.29		3365.32
3419.22	-3561.36		1.435	-1.94358		-1099.82		3361.41
3419.82	-3557.89		1.43672	-1.94522		-1102.35		3357.49
3420.43	-3554.42		1.43845	-1.94686		-1104.87		3353.57
3421.03	-3550.96		1.44018	-1.94849		-1107.4	3349.64	
3421.63	-3547.49		1.44191	-1.95013		-1109.92		3345.71
3422.23	-3544.01		1.44364	-1.95177		-1112.44		3341.77
3422.83	-3540.54		1.44537	-1.95341		-1114.96		3337.83
3423.42	-3537.06		1.4471	-1.95505		-1117.47		3333.88
3424.01	-3533.58		1.44884	-1.95668		-1119.99		3329.93
3424.6	-3530.1	1.45057	-1.95832		-1122.5	3325.97		
3425.19	-3526.62		1.45231	-1.95996		-1125.01		3322.01
3425.78	-3523.13		1.45405	-1.9616	-1127.52		3318.04	
3426.36	-3519.65		1.45579	-1.96324		-1130.03		3314.06
3426.94	-3516.16		1.45753	-1.96488		-1132.54		3310.08
3427.52	-3512.66		1.45927	-1.96652		-1135.04		3306.09
3428.1	-3509.17		1.46101	-1.96816		-1137.54		3302.1
3428.68	-3505.68		1.46276	-1.9698	-1140.04		3298.11	

3429.25	-3502.18		1.46451	-1.97144		-1142.54		3294.1
3429.82	-3498.68		1.46625	-1.97308		-1145.04		3290.1
3430.39	-3495.18		1.468	-1.97472		-1147.53		3286.08
3430.96	-3491.67		1.46975	-1.97636		-1150.02		3282.07
3431.53	-3488.17		1.47151	-1.978	-1152.51		3278.04	
3432.09	-3484.66		1.47326	-1.97964		-1155	3274.01	
3432.65	-3481.15		1.47501	-1.98128		-1157.49		3269.98
3433.21	-3477.64		1.47677	-1.98292		-1159.97		3265.94
3433.77	-3474.12		1.47853	-1.98456		-1162.46		3261.89
3434.33	-3470.6	1.48029	-1.9862	-1164.94		3257.84		
3434.88	-3467.09		1.48205	-1.98784		-1167.42		3253.78
3435.43	-3463.57		1.48381	-1.98948		-1169.89		3249.72
3435.98	-3460.04		1.48557	-1.99113		-1172.37		3245.65
3436.53	-3456.52		1.48734	-1.99277		-1174.84		3241.58
3437.08	-3452.99		1.4891	-1.99441		-1177.31		3237.5
3437.62	-3449.46		1.49087	-1.99605		-1179.78		3233.42
3438.16	-3445.93		1.49264	-1.99769		-1182.25		3229.33
3438.7	-3442.4	1.49441	-1.99933		-1184.71		3225.23	
3439.24	-3438.86		1.49618	-2.00098		-1187.18		3221.13
3439.77	-3435.33		1.49795	-2.00262		-1189.64		3217.02
3440.3	-3431.79		1.49973	-2.00426		-1192.1	3212.91	
3440.83	-3428.24		1.5015	-2.0059	-1194.55		3208.79	
3441.36	-3424.7	1.50328	-2.00755		-1197.01		3204.67	
3441.89	-3421.15		1.50506	-2.00919		-1199.46		3200.54
3442.41	-3417.61		1.50684	-2.01083		-1201.91		3196.41
3442.94	-3414.06		1.50862	-2.01247		-1204.36		3192.27
3443.46	-3410.5	1.5104	-2.01412		-1206.81		3188.12	
3443.97	-3406.95		1.51218	-2.01576		-1209.25		3183.97
3444.49	-3403.39		1.51397	-2.0174	-1211.69		3179.81	
3445	-3399.84		1.51575	-2.01905		-1214.13		3175.65
3445.52	-3396.28		1.51754	-2.02069		-1216.57		3171.48
3446.03	-3392.71		1.51933	-2.02233		-1219.01		3167.31
3446.53	-3389.15		1.52112	-2.02398		-1221.44		3163.13
3447.04	-3385.58		1.52291	-2.02562		-1223.87		3158.94
3447.54	-3382.01		1.5247	-2.02726		-1226.3	3154.75	
3448.04	-3378.44		1.5265	-2.02891		-1228.73		3150.56
3448.54	-3374.87		1.52829	-2.03055		-1231.15		3146.35
3449.04	-3371.29		1.53009	-2.03219		-1233.57		3142.15
3449.53	-3367.72		1.53189	-2.03384		-1235.99		3137.93
3450.02	-3364.14		1.53369	-2.03548		-1238.41		3133.71
3450.51	-3360.56		1.53549	-2.03713		-1240.83		3129.49
3451	-3356.97		1.53729	-2.03877		-1243.24		3125.26
3451.49	-3353.39		1.5391	-2.04041		-1245.65		3121.02
3451.97	-3349.8	1.5409	-2.04206		-1248.06		3116.78	
3452.45	-3346.21		1.54271	-2.0437	-1250.47		3112.53	
3452.93	-3342.62		1.54452	-2.04535		-1252.87		3108.28
3453.41	-3339.02		1.54633	-2.04699		-1255.27		3104.02
3453.89	-3335.43		1.54814	-2.04864		-1257.67		3099.75
3454.36	-3331.83		1.54995	-2.05028		-1260.07		3095.48
3454.83	-3328.23		1.55176	-2.05192		-1262.46		3091.2
3455.3	-3324.62		1.55358	-2.05357		-1264.86		3086.92
3455.76	-3321.02		1.55539	-2.05521		-1267.25		3082.63
3456.23	-3317.41		1.55721	-2.05686		-1269.64		3078.34
3456.69	-3313.8	1.55903	-2.0585	-1272.02		3074.04		
3457.15	-3310.19		1.56085	-2.06015		-1274.4	3069.73	
3457.61	-3306.58		1.56267	-2.06179		-1276.78		3065.42
3458.06	-3302.96		1.56449	-2.06344		-1279.16		3061.1

3458.52	-3299.35	1.56632	-2.06508	-1281.54	3056.78
3458.97	-3295.73	1.56814	-2.06673	-1283.91	3052.45
3459.41	-3292.11	1.56997	-2.06837	-1286.28	3048.12
3459.86	-3288.48	1.57179	-2.07002	-1288.65	3043.77
3460.3	-3284.86	1.57362	-2.07166	-1291.01	3039.43
3460.75	-3281.23	1.57546	-2.0733	-1293.38	3035.07
3461.19	-3277.6	1.57729	-2.07495	-1295.74	3030.72
3461.62	-3273.97	1.57912	-2.07659	-1298.1	3026.35
3462.06	-3270.33	1.58096	-2.07824	-1300.45	3021.98
3462.49	-3266.69	1.58279	-2.07988	-1302.81	3017.6
3462.92	-3263.06	1.58463	-2.08153	-1305.16	3013.22
3463.35	-3259.42	1.58647	-2.08317	-1307.5	3008.83
3463.78	-3255.77	1.58831	-2.08482	-1309.85	3004.44
3464.2	-3252.13	1.59015	-2.08646	-1312.19	3000.04
3464.62	-3248.48	1.59199	-2.08811	-1314.53	2995.63
3465.04	-3244.83	1.59384	-2.08975	-1316.87	2991.22
3465.46	-3241.18	1.59568	-2.0914	-1319.2	2986.8
3465.87	-3237.53	1.59753	-2.09304	-1321.54	2982.38
3466.29	-3233.87	1.59938	-2.09469	-1323.87	2977.95
3466.7	-3230.21	1.60122	-2.09633	-1326.19	2973.51
3467.11	-3226.55	1.60308	-2.09798	-1328.52	2969.07
3467.51	-3222.89	1.60493	-2.09962	-1330.84	2964.62
3467.91	-3219.23	1.60678	-2.10127	-1333.16	2960.16
3468.32	-3215.56	1.60864	-2.10291	-1335.47	2955.7
3468.71	-3211.89	1.61049	-2.10456	-1337.79	2951.24
3469.11	-3208.22	1.61235	-2.1062	-1340.1	2946.76
3469.51	-3204.55	1.61421	-2.10785	-1342.41	2942.29
3469.9	-3200.88	1.61607	-2.10949	-1344.71	2937.8
3470.29	-3197.2	1.61793	-2.11113	-1347.01	2933.31
3470.67	-3193.52	1.61979	-2.11278	-1349.31	2928.81
3471.06	-3189.84	1.62165	-2.11442	-1351.61	2924.31
3471.44	-3186.15	1.62352	-2.11607	-1353.9	2919.8
3471.82	-3182.47	1.62539	-2.11771	-1356.19	2915.29
3472.2	-3178.78	1.62725	-2.11936	-1358.48	2910.77
3472.58	-3175.09	1.62912	-2.121	-1360.77	2906.24
3472.95	-3171.4	1.63099	-2.12264	-1363.05	2901.7
3473.32	-3167.71	1.63287	-2.12429	-1365.33	2897.16
3473.69	-3164.01	1.63474	-2.12593	-1367.61	2892.62
3474.05	-3160.31	1.63661	-2.12758	-1369.88	2888.07
3474.42	-3156.61	1.63849	-2.12922	-1372.15	2883.51
3474.78	-3152.91	1.64037	-2.13086	-1374.42	2878.94
3475.14	-3149.2	1.64224	-2.13251	-1376.68	2874.37
3475.5	-3145.5	1.64412	-2.13415	-1378.95	2869.8
3475.85	-3141.79	1.646	-2.13579	-1381.21	2865.21
3476.2	-3138.08	1.64789	-2.13744	-1383.46	2860.62
3476.55	-3134.36	1.64977	-2.13908	-1385.71	2856.03
3476.9	-3130.65	1.65165	-2.14072	-1387.96	2851.43
3477.25	-3126.93	1.65354	-2.14237	-1390.21	2846.82
3477.59	-3123.21	1.65543	-2.14401	-1392.46	2842.2
3477.93	-3119.49	1.65732	-2.14565	-1394.7	2837.58
3478.27	-3115.77	1.65921	-2.1473	-1396.93	2832.96
3478.6	-3112.04	1.6611	-2.14894	-1399.17	2828.32
3478.94	-3108.31	1.66299	-2.15058	-1401.4	2823.68
3479.27	-3104.58	1.66488	-2.15223	-1403.63	2819.04
3479.59	-3100.85	1.66678	-2.15387	-1405.85	2814.39
3479.92	-3097.11	1.66867	-2.15551	-1408.08	2809.73
3480.24	-3093.38	1.67057	-2.15715	-1410.3	2805.06

3480.56	-3089.64	1.67247	-2.15879	-1412.51	2800.39
3480.88	-3085.9	1.67437	-2.16044	-1414.72	2795.72
3481.2	-3082.15	1.67627	-2.16208	-1416.93	2791.03
3481.51	-3078.41	1.67817	-2.16372	-1419.14	2786.34
3481.82	-3074.66	1.68008	-2.16536	-1421.34	2781.65
3482.13	-3070.91	1.68198	-2.167	-1423.54	2776.94
3482.44	-3067.16	1.68389	-2.16864	-1425.74	2772.23
3482.74	-3063.41	1.6858	-2.17029	-1427.93	2767.52
3483.05	-3059.65	1.68771	-2.17193	-1430.12	2762.8
3483.34	-3055.89	1.68962	-2.17357	-1432.31	2758.07
3483.64	-3052.13	1.69153	-2.17521	-1434.49	2753.33
3483.94	-3048.37	1.69344	-2.17685	-1436.67	2748.59
3484.23	-3044.6	1.69536	-2.17849	-1438.85	2743.85
3484.52	-3040.84	1.69727	-2.18013	-1441.02	2739.09
3484.8	-3037.07	1.69919	-2.18177	-1443.19	2734.33
3485.09	-3033.3	1.70111	-2.18341	-1445.36	2729.56
3485.37	-3029.52	1.70303	-2.18505	-1447.52	2724.79
3485.65	-3025.75	1.70495	-2.18669	-1449.68	2720.01
3485.93	-3021.97	1.70687	-2.18833	-1451.84	2715.23
3486.2	-3018.19	1.70879	-2.18997	-1453.99	2710.43
3486.47	-3014.41	1.71071	-2.19161	-1456.14	2705.63
3486.74	-3010.62	1.71264	-2.19325	-1458.28	2700.83
3487.01	-3006.84	1.71457	-2.19489	-1460.43	2696.02
3487.27	-3003.05	1.71649	-2.19653	-1462.56	2691.2
3487.54	-2999.26	1.71842	-2.19817	-1464.7	2686.37
3487.79	-2995.47	1.72035	-2.1998	-1466.83	2681.54
3488.05	-2991.67	1.72229	-2.20144	-1468.96	2676.7
3488.31	-2987.87	1.72422	-2.20308	-1471.08	2671.86
3488.56	-2984.07	1.72615	-2.20472	-1473.2	2667
3488.81	-2980.27	1.72809	-2.20636	-1475.32	2662.15
3489.05	-2976.47	1.73002	-2.20799	-1477.43	2657.28
3489.3	-2972.66	1.73196	-2.20963	-1479.54	2652.41
3489.54	-2968.86	1.7339	-2.21127	-1481.65	2647.53
3489.78	-2965.05	1.73584	-2.21291	-1483.75	2642.65
3490.02	-2961.23	1.73778	-2.21454	-1485.85	2637.76
3490.25	-2957.42	1.73972	-2.21618	-1487.94	2632.86
3490.48	-2953.6	1.74167	-2.21782	-1490.04	2627.95
3490.71	-2949.78	1.74361	-2.21945	-1492.12	2623.04
3490.94	-2945.96	1.74556	-2.22109	-1494.21	2618.12
3491.16	-2942.14	1.74751	-2.22272	-1496.29	2613.2
3491.38	-2938.31	1.74946	-2.22436	-1498.36	2608.27
3491.6	-2934.49	1.7514	-2.22599	-1500.43	2603.33
3491.82	-2930.66	1.75336	-2.22763	-1502.5	2598.39
3492.03	-2926.83	1.75531	-2.22926	-1504.57	2593.43
3492.24	-2922.99	1.75726	-2.2309	-1506.63	2588.48
3492.45	-2919.16	1.75922	-2.23253	-1508.68	2583.51
3492.66	-2915.32	1.76117	-2.23417	-1510.74	2578.54
3492.86	-2911.48	1.76313	-2.2358	-1512.78	2573.56
3493.06	-2907.63	1.76509	-2.23743	-1514.83	2568.58
3493.26	-2903.79	1.76705	-2.23907	-1516.87	2563.58
3493.45	-2899.94	1.76901	-2.2407	-1518.91	2558.59
3493.65	-2896.09	1.77097	-2.24233	-1520.94	2553.58
3493.84	-2892.24	1.77293	-2.24397	-1522.97	2548.57
3494.03	-2888.39	1.7749	-2.2456	-1524.99	2543.55
3494.21	-2884.53	1.77686	-2.24723	-1527.01	2538.52
3494.39	-2880.68	1.77883	-2.24886	-1529.03	2533.49
3494.57	-2876.82	1.78079	-2.25049	-1531.04	2528.45

3494.75	-2872.95	1.78276	-2.25213	-1533.05	2523.41
3494.92	-2869.09	1.78473	-2.25376	-1535.05	2518.35
3495.1	-2865.22	1.7867	-2.25539	-1537.05	2513.29
3495.26	-2861.35	1.78868	-2.25702	-1539.05	2508.23
3495.43	-2857.48	1.79065	-2.25865	-1541.04	2503.15
3495.6	-2853.61	1.79262	-2.26028	-1543.03	2498.07
3495.76	-2849.74	1.7946	-2.26191	-1545.01	2492.98
3495.91	-2845.86	1.79658	-2.26354	-1546.99	2487.89
3496.07	-2841.98	1.79855	-2.26517	-1548.96	2482.79
3496.22	-2838.1	1.80053	-2.2668	-1550.93	2477.68
3496.37	-2834.21	1.80251	-2.26842	-1552.9	2472.56
3496.52	-2830.33	1.8045	-2.27005	-1554.86	2467.44
3496.67	-2826.44	1.80648	-2.27168	-1556.82	2462.31
3496.81	-2822.55	1.80846	-2.27331	-1558.77	2457.18
3496.95	-2818.66	1.81045	-2.27493	-1560.72	2452.04
3497.09	-2814.76	1.81243	-2.27656	-1562.66	2446.89
3497.22	-2810.86	1.81442	-2.27819	-1564.6	2441.73
3497.35	-2806.96	1.81641	-2.27981	-1566.54	2436.56
3497.48	-2803.06	1.8184	-2.28144	-1568.47	2431.39
3497.61	-2799.16	1.82039	-2.28307	-1570.39	2426.22
3497.73	-2795.25	1.82238	-2.28469	-1572.31	2421.03
3497.85	-2791.35	1.82437	-2.28632	-1574.23	2415.84
3497.97	-2787.44	1.82636	-2.28794	-1576.14	2410.64
3498.08	-2783.52	1.82836	-2.28957	-1578.05	2405.43
3498.2	-2779.61	1.83035	-2.29119	-1579.95	2400.22
3498.31	-2775.69	1.83235	-2.29281	-1581.85	2395
3498.41	-2771.77	1.83435	-2.29444	-1583.75	2389.77
3498.52	-2767.85	1.83635	-2.29606	-1585.63	2384.54
3498.62	-2763.93	1.83835	-2.29768	-1587.52	2379.3
3498.72	-2760	1.84035	-2.2993	-1589.4	2374.05
3498.81	-2756.08	1.84235	-2.30093	-1591.27	2368.79
3498.91	-2752.15	1.84435	-2.30255	-1593.14	2363.53
3499	-2748.22	1.84636	-2.30417	-1595.01	2358.26
3499.08	-2744.28	1.84836	-2.30579	-1596.87	2352.98
3499.17	-2740.35	1.85037	-2.30741	-1598.72	2347.7
3499.25	-2736.41	1.85238	-2.30903	-1600.58	2342.41
3499.33	-2732.47	1.85439	-2.31065	-1602.42	2337.11
3499.41	-2728.52	1.8564	-2.31227	-1604.26	2331.8
3499.48	-2724.58	1.85841	-2.31389	-1606.1	2326.49
3499.55	-2720.63	1.86042	-2.31551	-1607.93	2321.17
3499.62	-2716.68	1.86243	-2.31713	-1609.76	2315.84
3499.68	-2712.73	1.86445	-2.31874	-1611.58	2310.51
3499.75	-2708.78	1.86646	-2.32036	-1613.39	2305.17
3499.8	-2704.82	1.86848	-2.32198	-1615.2	2299.82
3499.86	-2700.86	1.87049	-2.3236	-1617.01	2294.46
3499.92	-2696.9	1.87251	-2.32521	-1618.81	2289.1
3499.97	-2692.94	1.87453	-2.32683	-1620.61	2283.73
3500.01	-2688.97	1.87655	-2.32844	-1622.4	2278.35
3500.06	-2685.01	1.87857	-2.33006	-1624.18	2272.97
3500.1	-2681.04	1.88059	-2.33167	-1625.96	2267.58
3500.14	-2677.07	1.88262	-2.33329	-1627.74	2262.18
3500.18	-2673.09	1.88464	-2.3349	-1629.51	2256.77
3500.21	-2669.12	1.88667	-2.33652	-1631.27	2251.35
3500.24	-2665.14	1.88869	-2.33813	-1633.03	2245.93
3500.27	-2661.16	1.89072	-2.33974	-1634.78	2240.5
3500.3	-2657.18	1.89275	-2.34135	-1636.53	2235.07
3500.32	-2653.19	1.89477	-2.34296	-1638.28	2229.62

3500.34	-2649.21	1.8968	-2.34458	-1640.01	2224.17
3500.35	-2645.22	1.89884	-2.34619	-1641.75	2218.71
3500.37	-2641.23	1.90087	-2.3478	-1643.47	2213.25
3500.38	-2637.23	1.9029	-2.34941	-1645.19	2207.78
3500.39	-2633.24	1.90493	-2.35102	-1646.91	2202.3
3500.39	-2629.24	1.90697	-2.35263	-1648.62	2196.81
3500.39	-2625.24	1.909	-2.35424	-1650.32	2191.31
3500.39	-2621.24	1.91104	-2.35584	-1652.02	2185.81
3500.39	-2617.23	1.91308	-2.35745	-1653.72	2180.3
3500.38	-2613.23	1.91512	-2.35906	-1655.41	2174.78
3500.37	-2609.22	1.91715	-2.36067	-1657.09	2169.26
3500.36	-2605.21	1.9192	-2.36227	-1658.76	2163.73
3500.34	-2601.2	1.92124	-2.36388	-1660.44	2158.19
3500.32	-2597.18	1.92328	-2.36548	-1662.1	2152.64
3500.3	-2593.16	1.92532	-2.36709	-1663.76	2147.08
3500.28	-2589.14	1.92736	-2.36869	-1665.41	2141.52
3500.25	-2585.12	1.92941	-2.3703	-1667.06	2135.95
3500.22	-2581.1	1.93146	-2.3719	-1668.7	2130.38
3500.19	-2577.07	1.9335	-2.3735	-1670.34	2124.79
3500.15	-2573.04	1.93555	-2.37511	-1671.97	2119.2
3500.11	-2569.01	1.9376	-2.37671	-1673.6	2113.6
3500.07	-2564.98	1.93965	-2.37831	-1675.21	2107.99
3500.02	-2560.95	1.9417	-2.37991	-1676.83	2102.38
3499.97	-2556.91	1.94375	-2.38151	-1678.43	2096.76
3499.92	-2552.87	1.9458	-2.38311	-1680.03	2091.13
3499.87	-2548.83	1.94785	-2.38471	-1681.63	2085.49
3499.81	-2544.78	1.9499	-2.38631	-1683.22	2079.84
3499.75	-2540.74	1.95196	-2.38791	-1684.8	2074.19
3499.69	-2536.69	1.95401	-2.38951	-1686.37	2068.53
3499.62	-2532.64	1.95607	-2.39111	-1687.94	2062.86
3499.55	-2528.59	1.95813	-2.3927	-1689.51	2057.19
3499.48	-2524.53	1.96018	-2.3943	-1691.06	2051.5
3499.4	-2520.47	1.96224	-2.3959	-1692.62	2045.81
3499.32	-2516.41	1.9643	-2.39749	-1694.16	2040.12
3499.24	-2512.35	1.96636	-2.39909	-1695.7	2034.41
3499.16	-2508.29	1.96842	-2.40068	-1697.23	2028.7
3499.07	-2504.22	1.97048	-2.40228	-1698.76	2022.97
3498.98	-2500.16	1.97255	-2.40387	-1700.28	2017.25
3498.88	-2496.08	1.97461	-2.40546	-1701.79	2011.51
3498.78	-2492.01	1.97667	-2.40705	-1703.29	2005.77
3498.68	-2487.94	1.97874	-2.40865	-1704.79	2000.01
3498.58	-2483.86	1.9808	-2.41024	-1706.29	1994.25
3498.47	-2479.78	1.98287	-2.41183	-1707.77	1988.49
3498.36	-2475.7	1.98494	-2.41342	-1709.25	1982.71
3498.25	-2471.62	1.987	-2.41501	-1710.73	1976.93
3498.14	-2467.53	1.98907	-2.4166	-1712.19	1971.14
3498.02	-2463.44	1.99114	-2.41819	-1713.65	1965.34
3497.89	-2459.35	1.99321	-2.41977	-1715.11	1959.54
3497.77	-2455.26	1.99528	-2.42136	-1716.55	1953.72
3497.64	-2451.17	1.99735	-2.42295	-1717.99	1947.9
3497.51	-2447.07	1.99942	-2.42453	-1719.43	1942.07
3497.37	-2442.97	2.0015	-2.42612	-1720.85	1936.23
3497.24	-2438.87	2.00357	-2.42771	-1722.27	1930.39
3497.1	-2434.77	2.00564	-2.42929	-1723.69	1924.54
3496.95	-2430.66	2.00772	-2.43087	-1725.09	1918.68
3496.8	-2426.55	2.00979	-2.43246	-1726.49	1912.81
3496.65	-2422.44	2.01187	-2.43404	-1727.88	1906.93

3496.5	-2418.33	2.01395	-2.43562	-1729.26	1901.05
3496.34	-2414.22	2.01602	-2.4372	-1730.64	1895.16
3496.18	-2410.1	2.0181	-2.43879	-1732.01	1889.26
3496.02	-2405.98	2.02018	-2.44037	-1733.37	1883.35
3495.85	-2401.86	2.02226	-2.44195	-1734.73	1877.44
3495.68	-2397.74	2.02434	-2.44353	-1736.08	1871.51
3495.51	-2393.61	2.02642	-2.4451	-1737.42	1865.58
3495.33	-2389.48	2.0285	-2.44668	-1738.75	1859.64
3495.15	-2385.35	2.03058	-2.44826	-1740.08	1853.7
3494.97	-2381.22	2.03267	-2.44984	-1741.4	1847.74
3494.79	-2377.09	2.03475	-2.45141	-1742.71	1841.78
3494.6	-2372.95	2.03683	-2.45299	-1744.01	1835.81
3494.4	-2368.81	2.03892	-2.45456	-1745.31	1829.83
3494.21	-2364.67	2.041	-2.45614	-1746.6	1823.85
3494.01	-2360.53	2.04309	-2.45771	-1747.88	1817.85
3493.81	-2356.38	2.04517	-2.45929	-1749.16	1811.85
3493.6	-2352.24	2.04726	-2.46086	-1750.42	1805.84
3493.39	-2348.09	2.04935	-2.46243	-1751.68	1799.83
3493.18	-2343.94	2.05143	-2.464	-1752.93	1793.8
3492.97	-2339.78	2.05352	-2.46557	-1754.18	1787.77
3492.75	-2335.62	2.05561	-2.46714	-1755.41	1781.73
3492.53	-2331.47	2.0577	-2.46871	-1756.64	1775.68
3492.3	-2327.31	2.05979	-2.47028	-1757.86	1769.62
3492.07	-2323.14	2.06188	-2.47185	-1759.07	1763.55
3491.84	-2318.98	2.06397	-2.47342	-1760.27	1757.48
3491.6	-2314.81	2.06606	-2.47498	-1761.47	1751.4
3491.37	-2310.64	2.06815	-2.47655	-1762.66	1745.31
3491.12	-2306.47	2.07024	-2.47811	-1763.84	1739.21
3490.88	-2302.3	2.07233	-2.47968	-1765.01	1733.11
3490.63	-2298.12	2.07443	-2.48124	-1766.17	1727
3490.38	-2293.94	2.07652	-2.48281	-1767.33	1720.87
3490.12	-2289.76	2.07861	-2.48437	-1768.48	1714.75
3489.87	-2285.58	2.08071	-2.48593	-1769.62	1708.61
3489.6	-2281.39	2.0828	-2.48749	-1770.75	1702.46
3489.34	-2277.21	2.0849	-2.48906	-1771.87	1696.31
3489.07	-2273.02	2.08699	-2.49062	-1772.98	1690.15
3488.8	-2268.82	2.08909	-2.49218	-1774.09	1683.98
3488.52	-2264.63	2.09118	-2.49374	-1775.19	1677.8
3488.24	-2260.43	2.09328	-2.49529	-1776.28	1671.62
3487.96	-2256.24	2.09538	-2.49685	-1777.36	1665.42
3487.68	-2252.04	2.09747	-2.49841	-1778.43	1659.22
3487.39	-2247.83	2.09957	-2.49996	-1779.49	1653.01
3487.09	-2243.63	2.10167	-2.50152	-1780.55	1646.8
3486.8	-2239.42	2.10377	-2.50308	-1781.59	1640.57
3486.5	-2235.21	2.10587	-2.50463	-1782.63	1634.34
3486.2	-2231	2.10796	-2.50618	-1783.66	1628.1
3485.89	-2226.79	2.11006	-2.50774	-1784.68	1621.85
3485.58	-2222.57	2.11216	-2.50929	-1785.69	1615.59
3485.27	-2218.35	2.11426	-2.51084	-1786.69	1609.32
3484.95	-2214.13	2.11636	-2.51239	-1787.68	1603.05
3484.63	-2209.91	2.11846	-2.51394	-1788.67	1596.77
3484.31	-2205.69	2.12056	-2.51549	-1789.64	1590.48
3483.98	-2201.46	2.12266	-2.51704	-1790.61	1584.18
3483.65	-2197.23	2.12476	-2.51859	-1791.56	1577.87
3483.32	-2193	2.12686	-2.52014	-1792.51	1571.56
3482.98	-2188.77	2.12897	-2.52168	-1793.45	1565.24
3482.64	-2184.53	2.13107	-2.52323	-1794.38	1558.91

3482.29	-2180.29	2.13317	-2.52478	-1795.3	1552.57
3481.94	-2176.05	2.13527	-2.52632	-1796.21	1546.22
3481.59	-2171.81	2.13737	-2.52786	-1797.11	1539.87
3481.24	-2167.57	2.13947	-2.52941	-1798	1533.5
3480.88	-2163.32	2.14158	-2.53095	-1798.88	1527.13
3480.52	-2159.07	2.14368	-2.53249	-1799.76	1520.75
3480.15	-2154.82	2.14578	-2.53403	-1800.62	1514.36
3479.78	-2150.57	2.14788	-2.53557	-1801.47	1507.97
3479.41	-2146.31	2.14999	-2.53711	-1802.32	1501.57
3479.03	-2142.05	2.15209	-2.53865	-1803.15	1495.15
3478.65	-2137.79	2.15419	-2.54019	-1803.97	1488.73
3478.27	-2133.53	2.15629	-2.54173	-1804.79	1482.31
3477.88	-2129.27	2.1584	-2.54327	-1805.59	1475.87
3477.49	-2125	2.1605	-2.5448	-1806.39	1469.43
3477.1	-2120.73	2.1626	-2.54634	-1807.17	1462.97
3476.7	-2116.46	2.16471	-2.54787	-1807.95	1456.51
3476.3	-2112.19	2.16681	-2.54941	-1808.71	1450.04
3475.89	-2107.91	2.16891	-2.55094	-1809.47	1443.57
3475.48	-2103.63	2.17102	-2.55248	-1810.21	1437.08
3475.07	-2099.35	2.17312	-2.55401	-1810.94	1430.59
3474.65	-2095.07	2.17522	-2.55554	-1811.67	1424.09
3474.24	-2090.79	2.17733	-2.55707	-1812.38	1417.58
3473.81	-2086.5	2.17943	-2.5586	-1813.08	1411.06
3473.38	-2082.21	2.18153	-2.56013	-1813.78	1404.54
3472.95	-2077.92	2.18363	-2.56166	-1814.46	1398
3472.52	-2073.63	2.18574	-2.56319	-1815.13	1391.46
3472.08	-2069.33	2.18784	-2.56471	-1815.79	1384.91
3471.64	-2065.04	2.18994	-2.56624	-1816.44	1378.35
3471.19	-2060.74	2.19205	-2.56777	-1817.08	1371.79
3470.75	-2056.43	2.19415	-2.56929	-1817.71	1365.21
3470.29	-2052.13	2.19625	-2.57082	-1818.33	1358.63
3469.84	-2047.82	2.19835	-2.57234	-1818.94	1352.04
3469.38	-2043.52	2.20045	-2.57386	-1819.53	1345.44
3468.91	-2039.21	2.20256	-2.57538	-1820.12	1338.84
3468.44	-2034.89	2.20466	-2.57691	-1820.69	1332.22
3467.97	-2030.58	2.20676	-2.57843	-1821.26	1325.6
3467.5	-2026.26	2.20886	-2.57995	-1821.81	1318.97
3467.02	-2021.94	2.21096	-2.58147	-1822.35	1312.33
3466.54	-2017.62	2.21306	-2.58299	-1822.88	1305.68
3466.05	-2013.3	2.21516	-2.5845	-1823.4	1299.03
3465.56	-2008.97	2.21726	-2.58602	-1823.91	1292.36
3465.07	-2004.64	2.21936	-2.58754	-1824.41	1285.69
3464.57	-2000.31	2.22146	-2.58906	-1824.89	1279.01
3464.07	-1995.98	2.22356	-2.59057	-1825.36	1272.32
3463.56	-1991.65	2.22566	-2.59209	-1825.83	1265.63
3463.05	-1987.31	2.22776	-2.5936	-1826.28	1258.92
3462.54	-1982.97	2.22986	-2.59511	-1826.71	1252.21
3462.02	-1978.63	2.23195	-2.59663	-1827.14	1245.49
3461.5	-1974.29	2.23405	-2.59814	-1827.56	1238.77
3460.98	-1969.94	2.23615	-2.59965	-1827.96	1232.03
3460.45	-1965.59	2.23825	-2.60116	-1828.35	1225.29
3459.92	-1961.24	2.24034	-2.60267	-1828.73	1218.53
3459.38	-1956.89	2.24244	-2.60418	-1829.1	1211.77
3458.84	-1952.54	2.24453	-2.60569	-1829.45	1205.01
3458.3	-1948.18	2.24663	-2.60719	-1829.8	1198.23
3457.75	-1943.82	2.24872	-2.6087	-1830.13	1191.45
3457.2	-1939.46	2.25082	-2.61021	-1830.45	1184.65

3456.64	-1935.1	2.25291	-2.61171	-1830.75	1177.85	
3456.08	-1930.73		2.255	-2.61322	-1831.05	1171.05
3455.52	-1926.36		2.2571	-2.61472	-1831.33	1164.23
3454.95	-1922	2.25919	-2.61623	-1831.6	1157.41	
3454.38	-1917.62		2.26128	-2.61773	-1831.86	1150.57
3453.81	-1913.25		2.26337	-2.61923	-1832.1	1143.73
3453.23	-1908.87		2.26546	-2.62074	-1832.33	1136.89
3452.64	-1904.5	2.26755	-2.62224	-1832.55	1130.03	
3452.06	-1900.11		2.26964	-2.62374	-1832.76	1123.17
3451.47	-1895.73		2.27173	-2.62524	-1832.95	1116.3
3450.87	-1891.35		2.27381	-2.62674	-1833.13	1109.42
3450.27	-1886.96		2.2759	-2.62824	-1833.3	1102.53
3449.67	-1882.57		2.27799	-2.62973	-1833.45	1095.63
3449.06	-1878.18		2.28007	-2.63123	-1833.59	1088.73
3448.45	-1873.79		2.28216	-2.63273	-1833.72	1081.82
3447.84	-1869.39		2.28424	-2.63422	-1833.84	1074.9
3447.22	-1864.99		2.28633	-2.63572	-1833.94	1067.97
3446.6	-1860.59		2.28841	-2.63721	-1834.03	1061.04
3445.97	-1856.19		2.29049	-2.63871	-1834.1	1054.1
3445.34	-1851.79		2.29257	-2.6402	-1834.16	1047.15
3444.71	-1847.38		2.29465	-2.64169	-1834.21	1040.19
3444.07	-1842.97		2.29673	-2.64319	-1834.25	1033.23
3443.42	-1838.56		2.29881	-2.64468	-1834.27	1026.25
3442.78	-1834.15		2.30089	-2.64617	-1834.27	1019.27
3442.13	-1829.73		2.30297	-2.64766	-1834.27	1012.28
3441.47	-1825.31		2.30504	-2.64915	-1834.25	1005.29
3440.81	-1820.9	2.30712	-2.65064	-1834.21	998.282	
3440.15	-1816.47		2.30919	-2.65213	-1834.16	991.271
3439.48	-1812.05		2.31126	-2.65362	-1834.1	984.251
3438.81	-1807.62		2.31334	-2.65511	-1834.02	977.224
3438.14	-1803.2	2.31541	-2.65659	-1833.93	970.19	
3437.46	-1798.77		2.31748	-2.65808	-1833.82	963.148
3436.77	-1794.33		2.31955	-2.65957	-1833.7	956.098
3436.08	-1789.9	2.32162	-2.66105	-1833.57	949.041	
3435.39	-1785.46		2.32368	-2.66254	-1833.42	941.976
3434.7	-1781.02		2.32575	-2.66402	-1833.26	934.903
3434	-1776.58		2.32782	-2.66551	-1833.08	927.823
3433.29	-1772.14		2.32988	-2.66699	-1832.89	920.736
3432.58	-1767.69		2.33194	-2.66847	-1832.68	913.641
3431.87	-1763.24		2.334	-2.66995	-1832.46	906.539
3431.15	-1758.8	2.33607	-2.67144	-1832.22	899.429	
3430.43	-1754.34		2.33813	-2.67292	-1831.97	892.312
3429.71	-1749.89		2.34018	-2.6744	-1831.7	885.188
3428.98	-1745.43		2.34224	-2.67588	-1831.42	878.056
3428.24	-1740.97		2.3443	-2.67736	-1831.12	870.917
3427.51	-1736.51		2.34635	-2.67884	-1830.81	863.77
3426.76	-1732.05		2.34841	-2.68032	-1830.48	856.617
3426.02	-1727.59		2.35046	-2.6818	-1830.13	849.456
3425.27	-1723.12		2.35251	-2.68327	-1829.77	842.287
3424.51	-1718.65		2.35456	-2.68475	-1829.4	835.112
3423.75	-1714.18		2.35661	-2.68623	-1829.01	827.929
3422.99	-1709.71		2.35865	-2.68771	-1828.6	820.739
3422.22	-1705.23		2.3607	-2.68918	-1828.18	813.542
3421.45	-1700.75		2.36274	-2.69066	-1827.74	806.338
3420.67	-1696.27		2.36479	-2.69214	-1827.29	799.127
3419.89	-1691.79		2.36683	-2.69361	-1826.82	791.909
3419.11	-1687.31		2.36887	-2.69509	-1826.33	784.684

3418.32	-1682.82	2.37091	-2.69656	-1825.83	777.451
3417.52	-1678.33	2.37294	-2.69804	-1825.31	770.212
3416.72	-1673.84	2.37498	-2.69951	-1824.78	762.966
3415.92	-1669.35	2.37701	-2.70098	-1824.22	755.713
3415.12	-1664.86	2.37905	-2.70246	-1823.66	748.453
3414.3	-1660.36	2.38108	-2.70393	-1823.07	741.186
3413.49	-1655.86	2.38311	-2.7054	-1822.47	733.913
3412.67	-1651.36	2.38513	-2.70687	-1821.85	726.632
3411.84	-1646.86	2.38716	-2.70835	-1821.22	719.345
3411.02	-1642.35	2.38918	-2.70982	-1820.57	712.051
3410.18	-1637.84	2.39121	-2.71129	-1819.9	704.751
3409.35	-1633.33	2.39323	-2.71276	-1819.21	697.444
3408.5	-1628.82	2.39525	-2.71423	-1818.51	690.13
3407.66	-1624.31	2.39727	-2.7157	-1817.79	682.809
3406.81	-1619.79	2.39928	-2.71717	-1817.05	675.482
3405.95	-1615.27	2.4013	-2.71864	-1816.3	668.149
3405.09	-1610.75	2.40331	-2.72011	-1815.53	660.809
3404.23	-1606.23	2.40532	-2.72158	-1814.74	653.463
3403.36	-1601.71	2.40733	-2.72305	-1813.93	646.11
3402.49	-1597.18	2.40934	-2.72452	-1813.11	638.751
3401.61	-1592.65	2.41134	-2.72599	-1812.26	631.386
3400.73	-1588.12	2.41334	-2.72746	-1811.4	624.014
3399.84	-1583.59	2.41535	-2.72893	-1810.53	616.636
3398.95	-1579.05	2.41735	-2.7304	-1809.63	609.252
3398.05	-1574.52	2.41934	-2.73187	-1808.71	601.862
3397.15	-1569.98	2.42134	-2.73334	-1807.78	594.466
3396.25	-1565.44	2.42333	-2.73481	-1806.83	587.063
3395.34	-1560.89	2.42532	-2.73628	-1805.86	579.655
3394.43	-1556.35	2.42731	-2.73774	-1804.88	572.241
3393.51	-1551.8	2.4293	-2.73921	-1803.87	564.82
3392.58	-1547.25	2.43129	-2.74068	-1802.84	557.394
3391.66	-1542.7	2.43327	-2.74215	-1801.8	549.962
3390.72	-1538.15	2.43525	-2.74362	-1800.74	542.524
3389.79	-1533.59	2.43723	-2.74509	-1799.66	535.081
3388.85	-1529.03	2.43921	-2.74656	-1798.56	527.632
3387.9	-1524.47	2.44118	-2.74803	-1797.44	520.177
3386.95	-1519.91	2.44316	-2.7495	-1796.3	512.716
3385.99	-1515.35	2.44513	-2.75097	-1795.15	505.251
3385.03	-1510.78	2.4471	-2.75243	-1793.97	497.779
3384.07	-1506.21	2.44906	-2.7539	-1792.77	490.302
3383.1	-1501.64	2.45103	-2.75537	-1791.56	482.82
3382.13	-1497.07	2.45299	-2.75684	-1790.32	475.332
3381.15	-1492.49	2.45495	-2.75831	-1789.07	467.84
3380.16	-1487.92	2.4569	-2.75978	-1787.8	460.342
3379.18	-1483.34	2.45886	-2.76125	-1786.5	452.838
3378.18	-1478.76	2.46081	-2.76272	-1785.19	445.33
3377.19	-1474.17	2.46276	-2.7642	-1783.85	437.817
3376.18	-1469.59	2.46471	-2.76567	-1782.5	430.298
3375.18	-1465	2.46665	-2.76714	-1781.13	422.775
3374.17	-1460.41	2.46859	-2.76861	-1779.73	415.247
3373.15	-1455.82	2.47053	-2.77008	-1778.32	407.714
3372.13	-1451.23	2.47247	-2.77155	-1776.88	400.177
3371.1	-1446.63	2.47441	-2.77303	-1775.43	392.634
3370.07	-1442.04	2.47634	-2.7745	-1773.95	385.087
3369.04	-1437.44	2.47827	-2.77598	-1772.46	377.536
3368	-1432.84	2.4802	-2.77745	-1770.94	369.98
3366.95	-1428.23	2.48212	-2.77892	-1769.4	362.419

3365.9	-1423.63	2.48404	-2.7804	-1767.84	354.855	
3364.85	-1419.02	2.48596	-2.78187	-1766.26		347.286
3363.79	-1414.41	2.48788	-2.78335	-1764.66		339.712
3362.72	-1409.8	2.48979	-2.78483	-1763.04	332.135	
3361.65	-1405.18	2.4917	-2.78631	-1761.4	324.554	
3360.58	-1400.57	2.49361	-2.78778	-1759.73		316.968
3359.5	-1395.95	2.49552	-2.78926	-1758.05		309.379
3358.42	-1391.33	2.49742	-2.79074	-1756.34		301.786
3357.33	-1386.71	2.49932	-2.79222	-1754.61		294.189
3356.23	-1382.09	2.50122	-2.7937	-1752.86	286.588	
3355.13	-1377.46	2.50311	-2.79518	-1751.09		278.983
3354.03	-1372.83	2.505	-2.79667	-1749.29		271.375
3352.92	-1368.2	2.50689	-2.79815	-1747.48	263.764	
3351.81	-1363.57	2.50878	-2.79963	-1745.64		256.149
3350.69	-1358.94	2.51066	-2.80112	-1743.78		248.531
3349.57	-1354.3	2.51254	-2.8026	-1741.9	240.91	
3348.44	-1349.66	2.51441	-2.80409	-1739.99		233.285
3347.3	-1345.02	2.51629	-2.80558	-1738.06		225.657
3346.17	-1340.38	2.51816	-2.80706	-1736.11		218.027
3345.02	-1335.74	2.52003	-2.80855	-1734.14		210.393
3343.87	-1331.09	2.52189	-2.81004	-1732.15		202.757
3342.72	-1326.44	2.52375	-2.81153	-1730.13		195.118
3341.56	-1321.79	2.52561	-2.81303	-1728.09		187.476
3340.4	-1317.14	2.52747	-2.81452	-1726.02		179.831
3339.23	-1312.49	2.52932	-2.81601	-1723.94		172.185
3338.06	-1307.83	2.53117	-2.81751	-1721.83		164.535
3336.88	-1303.17	2.53301	-2.81901	-1719.69		156.884
3335.69	-1298.51	2.53485	-2.8205	-1717.54	149.23	
3334.51	-1293.85	2.53669	-2.822	-1715.36	141.574	
3333.31	-1289.19	2.53853	-2.8235	-1713.16	133.916	
3332.11	-1284.52	2.54036	-2.82501	-1710.93		126.257
3330.91	-1279.85	2.54219	-2.82651	-1708.68		118.595
3329.7	-1275.18	2.54402	-2.82801	-1706.41		110.932
3328.48	-1270.51	2.54584	-2.82952	-1704.11		103.267
3327.26	-1265.84	2.54766	-2.83103	-1701.79		95.6001
3326.04	-1261.16	2.54947	-2.83253	-1699.44		87.9322
3324.81	-1256.48	2.55129	-2.83404	-1697.07		80.2629
3323.57	-1251.81	2.5531	-2.83556	-1694.68		72.5923
3322.33	-1247.12	2.5549	-2.83707	-1692.26		64.9207
3321.09	-1242.44	2.5567	-2.83858	-1689.82		57.248
3319.84	-1237.75	2.5585	-2.8401	-1687.35	49.5744	
3318.58	-1233.07	2.5603	-2.84162	-1684.86		41.8999
3317.32	-1228.38	2.56209	-2.84314	-1682.35		34.2248
3316.05	-1223.69	2.56388	-2.84466	-1679.81		26.5491
3314.78	-1218.99	2.56566	-2.84618	-1677.24		18.8729
3313.5	-1214.3	2.56744	-2.84771	-1674.65	11.1963	
3312.22	-1209.6	2.56922	-2.84923	-1672.04	3.51942	
3310.93	-1204.9	2.57099	-2.85076	-1669.4	-4.15759	
3309.64	-1200.2	2.57276	-2.85229	-1666.74		-11.8346
3308.34	-1195.5	2.57453	-2.85383	-1664.05		-19.5116
3307.04	-1190.79	2.57629	-2.85536	-1661.33		-27.1884
3305.73	-1186.09	2.57805	-2.8569	-1658.59	-34.8648	
3304.41	-1181.38	2.57981	-2.85844	-1655.83		-42.5409
3303.09	-1176.67	2.58156	-2.85998	-1653.04		-50.2164
3301.77	-1171.95	2.58331	-2.86152	-1650.22		-57.8912
3300.44	-1167.24	2.58505	-2.86307	-1647.38		-65.5652
3299.1	-1162.52	2.58679	-2.86461	-1644.51		-73.2383

3297.76	-1157.8	2.58853	-2.86616	-1641.62	-80.9104
3296.42	-1153.08		2.59026	-2.86771	-1638.7 -88.5813
3295.06	-1148.36		2.59199	-2.86927	-1635.76 -96.251
3293.71	-1143.64		2.59372	-2.87083	-1632.79 -103.919
3292.34	-1138.91		2.59544	-2.87239	-1629.79 -111.586
3290.97	-1134.18		2.59716	-2.87395	-1626.77 -119.251
3289.6	-1129.45		2.59887	-2.87551	-1623.72 -126.914
3288.22	-1124.72		2.60058	-2.87708	-1620.65 -134.575
3286.84	-1119.99		2.60229	-2.87865	-1617.55 -142.235
3285.45	-1115.25		2.60399	-2.88022	-1614.42 -149.892
3284.05	-1110.52		2.60569	-2.88179	-1611.27 -157.546
3282.65	-1105.78		2.60738	-2.88337	-1608.09 -165.198
3281.24	-1101.04		2.60907	-2.88495	-1604.88 -172.848
3279.83	-1096.29		2.61076	-2.88654	-1601.65 -180.495
3278.41	-1091.55		2.61244	-2.88812	-1598.39 -188.139
3276.99	-1086.8	2.61412	-2.88971	-1595.1	-195.78
3275.56	-1082.06		2.61579	-2.8913	-1591.79 -203.417
3274.12	-1077.31		2.61746	-2.8929	-1588.45 -211.052
3272.68	-1072.55		2.61913	-2.8945	-1585.08 -218.683
3271.24	-1067.8	2.62079	-2.8961	-1581.69	-226.31
3269.78	-1063.04		2.62245	-2.8977	-1578.26 -233.934
3268.33	-1058.29		2.62411	-2.89931	-1574.82 -241.554
3266.86	-1053.53		2.62576	-2.90092	-1571.34 -249.169
3265.4	-1048.77		2.6274	-2.90253	-1567.84 -256.781
3263.92	-1044	2.62905	-2.90415	-1564.31	-264.388
3262.44	-1039.24		2.63068	-2.90577	-1560.75 -271.991
3260.96	-1034.47		2.63232	-2.9074	-1557.17 -279.589
3259.46	-1029.7	2.63395	-2.90902	-1553.55	-287.182
3257.97	-1024.93		2.63557	-2.91066	-1549.91 -294.77
3256.46	-1020.16		2.63719	-2.91229	-1546.25 -302.354
3254.96	-1015.39		2.63881	-2.91393	-1542.55 -309.932
3253.44	-1010.61		2.64043	-2.91557	-1538.83 -317.504
3251.92	-1005.83		2.64204	-2.91722	-1535.08 -325.071
3250.4	-1001.05		2.64364	-2.91887	-1531.3 -332.632
3248.86	-996.273		2.64524	-2.92052	-1527.5 -340.188
3247.33	-991.49	2.64684	-2.92218	-1523.66	-347.737
3245.78	-986.706		2.64843	-2.92384	-1519.8 -355.28
3244.23	-981.919		2.65002	-2.92551	-1515.91 -362.817
3242.68	-977.131		2.6516	-2.92718	-1511.99 -370.347
3241.12	-972.341		2.65318	-2.92885	-1508.05 -377.87
3239.55	-967.55	2.65476	-2.93053	-1504.08	-385.387
3237.98	-962.756		2.65633	-2.93222	-1500.08 -392.896
3236.4	-957.961		2.6579	-2.9339	-1496.05 -400.398
3234.82	-953.164		2.65947	-2.93559	-1491.99 -407.893
3233.23	-948.366		2.66102	-2.93729	-1487.9 -415.381
3231.63	-943.565		2.66258	-2.93899	-1483.79 -422.86
3230.03	-938.763		2.66413	-2.9407	-1479.65 -430.332
3228.42	-933.96	2.66568	-2.94241	-1475.48	-437.796
3226.81	-929.154		2.66722	-2.94412	-1471.28 -445.251
3225.19	-924.347		2.66876	-2.94584	-1467.05 -452.698
3223.56	-919.538		2.6703	-2.94756	-1462.8 -460.137
3221.93	-914.727		2.67183	-2.94929	-1458.51 -467.566
3220.29	-909.915		2.67335	-2.95102	-1454.2 -474.987
3218.65	-905.101		2.67488	-2.95276	-1449.86 -482.399
3217	-900.285		2.67639	-2.95451	-1445.49 -489.801
3215.34	-895.467		2.67791	-2.95625	-1441.09 -497.194
3213.68	-890.648		2.67942	-2.95801	-1436.67 -504.577

3212.01	-885.827		2.68092	-2.95977		-1432.21		-511.951
3210.33	-881.005		2.68243	-2.96153		-1427.73		-519.314
3208.65	-876.181		2.68392	-2.9633	-1423.22		-526.668	
3206.97	-871.355		2.68542	-2.96508		-1418.68		-534.01
3205.27	-866.527		2.68691	-2.96686		-1414.11		-541.343
3203.58	-861.698		2.68839	-2.96864		-1409.52		-548.664
3201.87	-856.867		2.68988	-2.97043		-1404.89		-555.975
3200.16	-852.035		2.69135	-2.97223		-1400.24		-563.275
3198.44	-847.2	2.69283	-2.97403		-1395.56		-570.563	
3196.72	-842.365		2.6943	-2.97584		-1390.85		-577.84
3194.99	-837.527		2.69576	-2.97766		-1386.11		-585.105
3193.25	-832.688		2.69722	-2.97948		-1381.34		-592.358
3191.51	-827.847		2.69868	-2.9813	-1376.54		-599.6	
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3188.01	-818.161		2.70159	-2.98497		-1366.87		-614.045
3186.25	-813.316		2.70303	-2.98682		-1361.99		-621.25
3184.48	-808.469		2.70448	-2.98867		-1357.08		-628.441
3182.71	-803.62	2.70591	-2.99052		-1352.14		-635.619	
3180.93	-798.77	2.70735	-2.99238		-1347.17		-642.784	
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3171.93	-774.494		2.71446	-3.00179		-1321.92		-678.407
3170.12	-769.635		2.71588	-3.0037	-1316.78		-685.489	
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3166.46	-759.911		2.71869	-3.00752		-1306.42		-699.61
3164.62	-755.046		2.72009	-3.00944		-1301.2	-706.648	
3162.78	-750.18	2.72149	-3.01137		-1295.95		-713.672	
3160.93	-745.313		2.72288	-3.01331		-1290.68		-720.68
3159.07	-740.444		2.72427	-3.01525		-1285.37		-727.672
3157.21	-735.573		2.72566	-3.0172	-1280.04		-734.649	
3155.34	-730.701		2.72704	-3.01916		-1274.68		-741.61
3153.46	-725.828		2.72842	-3.02112		-1269.29		-748.556
3151.58	-720.953		2.7298	-3.02309		-1263.88		-755.485
3149.69	-716.076		2.73117	-3.02507		-1258.43		-762.397
3147.8	-711.198		2.73254	-3.02706		-1252.96		-769.293
3145.9	-706.319		2.73391	-3.02905		-1247.46		-776.173
3143.99	-701.438		2.73527	-3.03106		-1241.93		-783.035
3142.07	-696.555		2.73663	-3.03306		-1236.38		-789.88
3140.15	-691.672		2.73799	-3.03508		-1230.8	-796.708	
3138.22	-686.786		2.73935	-3.03711		-1225.19		-803.519
3136.29	-681.899		2.7407	-3.03914		-1219.55		-810.311
3134.34	-677.011		2.74204	-3.04118		-1213.89		-817.086
3132.4	-672.121		2.74339	-3.04323		-1208.2	-823.843	
3130.44	-667.23	2.74473	-3.04528		-1202.48		-830.581	
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3124.53	-652.548		2.74874	-3.0515	-1185.16		-850.685	
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3094.09	-578.953	2.76841	-3.08372	-1095.01	-948.542
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3085.71	-559.277	2.77357	-3.09264	-1069.99	-973.838
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3081.48	-549.431	2.77614	-3.09716	-1057.33	-986.353
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3077.21	-539.581	2.7787	-3.10172	-1044.58	-998.777
3075.07	-534.654	2.77998	-3.10401	-1038.16	-1004.95
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3070.77	-524.796	2.78254	-3.10862	-1025.26	-1017.24
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3066.44	-514.933	2.78508	-3.11328	-1012.26	-1029.43
3064.26	-510	2.78635	-3.11562	-1005.72	-1035.49
3062.08	-505.065	2.78762	-3.11797	-999.165	-1041.53
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3057.69	-495.193	2.79016	-3.1227	-985.978	-1053.53
3055.48	-490.255	2.79143	-3.12508	-979.35	-1059.49
3053.27	-485.316	2.79269	-3.12747	-972.699	-1065.43
3051.05	-480.375	2.79396	-3.12987	-966.025	-1071.34
3048.82	-475.434	2.79522	-3.13228	-959.328	-1077.23
3046.59	-470.491	2.79648	-3.1347	-952.608	-1083.09
3044.35	-465.548	2.79775	-3.13713	-945.867	-1088.93
3042.1	-460.603	2.79901	-3.13956	-939.103	-1094.75
3039.84	-455.657	2.80027	-3.14201	-932.317	-1100.54
3037.58	-450.71	2.80153	-3.14448	-925.509	-1106.3
3035.31	-445.762	2.80279	-3.14695	-918.679	-1112.04
3033.03	-440.813	2.80405	-3.14943	-911.827	-1117.75
3030.74	-435.863	2.80531	-3.15192	-904.955	-1123.43
3028.45	-430.911	2.80657	-3.15442	-898.061	-1129.09
3026.15	-425.959	2.80783	-3.15693	-891.145	-1134.72
3023.84	-421.006	2.80909	-3.15945	-884.209	-1140.33
3021.53	-416.051	2.81035	-3.16199	-877.252	-1145.91
3019.21	-411.096	2.81161	-3.16453	-870.275	-1151.46
3016.87	-406.139	2.81287	-3.16708	-863.277	-1156.99
3014.54	-401.182	2.81413	-3.16965	-856.258	-1162.49
3012.19	-396.223	2.81539	-3.17222	-849.22	-1167.96
3009.84	-391.264	2.81665	-3.17481	-842.161	-1173.41
3007.48	-386.303	2.81791	-3.17741	-835.083	-1178.83
3005.11	-381.342	2.81917	-3.18001	-827.986	-1184.22
3002.73	-376.38	2.82043	-3.18263	-820.869	-1189.58
3000.35	-371.416	2.82169	-3.18526	-813.732	-1194.92
2997.96	-366.452	2.82296	-3.1879	-806.577	-1200.23
2995.56	-361.487	2.82422	-3.19055	-799.403	-1205.51
2993.16	-356.521	2.82549	-3.19321	-792.21	-1210.76
2990.74	-351.554	2.82676	-3.19589	-784.998	-1215.99
2988.32	-346.586	2.82802	-3.19857	-777.768	-1221.18
2985.89	-341.617	2.82929	-3.20126	-770.52	-1226.35
2983.46	-336.647	2.83056	-3.20397	-763.255	-1231.49
2981.01	-331.677	2.83184	-3.20668	-755.971	-1236.61

2978.56	-326.705	2.83311	-3.20941	-748.67	-1241.69
2976.1	-321.733	2.83438	-3.21215	-741.351	-1246.75
2973.63	-316.76	2.83566	-3.2149	-734.015	-1251.77
2971.16	-311.786	2.83694	-3.21766	-726.662	-1256.77
2968.67	-306.811	2.83822	-3.22043	-719.292	-1261.74
2966.18	-301.836	2.8395	-3.22321	-711.906	-1266.68
2963.68	-296.859	2.84078	-3.226	-704.503	-1271.6
2961.18	-291.882	2.84207	-3.22881	-697.084	-1276.48
2958.66	-286.904	2.84336	-3.23163	-689.649	-1281.33
2956.14	-281.926	2.84465	-3.23445	-682.198	-1286.16
2953.61	-276.946	2.84594	-3.23729	-674.731	-1290.96
2951.07	-271.966	2.84723	-3.24014	-667.249	-1295.72
2948.52	-266.985	2.84853	-3.243	-659.751	-1300.46
2945.97	-262.003	2.84983	-3.24587	-652.239	-1305.17
2943.41	-257.021	2.85113	-3.24875	-644.711	-1309.85
2940.83	-252.038	2.85244	-3.25165	-637.169	-1314.5
2938.26	-247.054	2.85375	-3.25455	-629.612	-1319.12
2935.67	-242.07	2.85506	-3.25747	-622.041	-1323.71
2933.08	-237.085	2.85637	-3.2604	-614.455	-1328.27
2930.47	-232.099	2.85769	-3.26334	-606.856	-1332.8
2927.86	-227.113	2.85901	-3.26629	-599.243	-1337.3
2925.24	-222.126	2.86033	-3.26925	-591.617	-1341.77
2922.62	-217.138	2.86166	-3.27222	-583.977	-1346.21
2919.98	-212.15	2.86299	-3.2752	-576.324	-1350.62
2917.34	-207.161	2.86433	-3.2782	-568.658	-1355
2914.69	-202.172	2.86566	-3.28121	-560.979	-1359.36
2912.03	-197.182	2.867	-3.28422	-553.288	-1363.68
2909.36	-192.192	2.86835	-3.28725	-545.584	-1367.97
2906.68	-187.201	2.8697	-3.29029	-537.868	-1372.23
2904	-182.209	2.87105	-3.29334	-530.141	-1376.46
2901.31	-177.217	2.87241	-3.29641	-522.401	-1380.67
2898.61	-172.224	2.87377	-3.29948	-514.65	-1384.84
2895.9	-167.231	2.87513	-3.30257	-506.887	-1388.98
2893.18	-162.238	2.8765	-3.30566	-499.114	-1393.09
2890.45	-157.244	2.87788	-3.30877	-491.329	-1397.17
2887.72	-152.249	2.87926	-3.31189	-483.533	-1401.22
2884.98	-147.255	2.88064	-3.31502	-475.727	-1405.24
2882.23	-142.259	2.88203	-3.31816	-467.911	-1409.24
2879.47	-137.264	2.88342	-3.32131	-460.084	-1413.2
2876.7	-132.267	2.88482	-3.32448	-452.247	-1417.13
2873.92	-127.271	2.88622	-3.32765	-444.401	-1421.03
2871.14	-122.274	2.88763	-3.33084	-436.544	-1424.9
2868.35	-117.277	2.88904	-3.33404	-428.679	-1428.74
2865.54	-112.279	2.89046	-3.33725	-420.804	-1432.55
2862.73	-107.281	2.89188	-3.34046	-412.92	-1436.33
2859.92	-102.283	2.89331	-3.3437	-405.027	-1440.08
2857.09	-97.2847	2.89474	-3.34694	-397.125	-1443.79
2854.25	-92.2859	2.89618	-3.35019	-389.215	-1447.48
2851.41	-87.2868	2.89763	-3.35345	-381.297	-1451.14
2848.56	-82.2874	2.89908	-3.35673	-373.371	-1454.77
2845.69	-77.2879	2.90053	-3.36001	-365.437	-1458.37
2842.82	-72.288	2.902	-3.36331	-357.495	-1461.94
2839.95	-67.288	2.90347	-3.36662	-349.545	-1465.48
2837.06	-62.2878	2.90494	-3.36994	-341.588	-1468.98
2834.16	-57.2873	2.90642	-3.37327	-333.624	-1472.46
2831.26	-52.2867	2.90791	-3.37661	-325.653	-1475.91
2828.34	-47.286	2.9094	-3.37996	-317.675	-1479.33

2825.42	-42.2851		2.9109	-3.38332		-309.691		-1482.71
2822.49	-37.284	2.91241	-3.3867	-301.7	-1486.07			
2819.55	-32.2829		2.91392	-3.39008		-293.703		-1489.4
2816.6	-27.2816		2.91544	-3.39347		-285.699		-1492.7
2813.64	-22.2803		2.91696	-3.39688		-277.69	-1495.97	
2810.68	-17.2789		2.9185	-3.4003	-269.676		-1499.2	
2807.7	-12.2775		2.92004	-3.40372		-261.655		-1502.41
2804.72	-7.27602		2.92158	-3.40716		-253.63	-1505.59	
2801.72	-2.27453		2.92314	-3.41061		-245.599		-1508.74
2798.72	2.72697	2.9247	-3.41407		-237.563		-1511.86	
2795.71	7.72845	2.92626	-3.41754		-229.522		-1514.95	
2792.69	12.7299	2.92784	-3.42102		-221.477		-1518.01	
2789.66	17.7313	2.92942	-3.42451		-213.427		-1521.04	
2786.62	22.7327	2.93101	-3.42801		-205.373		-1524.04	
2783.58	27.7339	2.93261	-3.43152		-197.315		-1527.01	
2780.52	32.7351	2.93422	-3.43504		-189.253		-1529.95	
2777.45	37.7362	2.93583	-3.43857		-181.187		-1532.87	
2774.38	42.7371	2.93745	-3.44212		-173.118		-1535.75	
2771.3	47.7379	2.93908	-3.44567		-165.045		-1538.61	
2768.2	52.7386	2.94071	-3.44923		-156.969		-1541.43	
2765.1	57.739	2.94236	-3.45281		-148.889		-1544.23	
2761.99	62.7393	2.94401	-3.45639		-140.807		-1546.99	
2758.87	67.7393	2.94567	-3.45998		-132.722		-1549.73	
2755.74	72.7391	2.94734	-3.46359		-124.634		-1552.44	
2752.6	77.7387	2.94902	-3.4672	-116.544		-1555.12		
2749.46	82.738	2.95071	-3.47083		-108.451		-1557.77	
2746.3	87.737	2.9524	-3.47446		-100.357		-1560.39	
2743.13	92.7357	2.9541	-3.4781	-92.2602		-1562.98		
2739.96	97.7341	2.95581	-3.48176		-84.1617		-1565.55	
2736.77	102.732	2.95754	-3.48542		-76.0616		-1568.09	
2733.58	107.73	2.95926	-3.4891	-67.9599		-1570.59		
2730.38	112.727	2.961	-3.49278		-59.8569		-1573.07	
2727.16	117.724	2.96275	-3.49647		-51.7527		-1575.52	
2723.94	122.721	2.96451	-3.50017		-43.6474		-1577.95	
2720.71	127.717	2.96627	-3.50389		-35.5412		-1580.34	
2717.47	132.712	2.96805	-3.50761		-27.4342		-1582.71	
2714.22	137.708	2.96983	-3.51134		-19.3266		-1585.04	
2710.96	142.702	2.97162	-3.51508		-11.2185		-1587.35	
2707.69	147.697	2.97342	-3.51883		-3.11015		-1589.64	
2704.41	152.69	2.97524	-3.52259		4.99844	-1591.89		
2701.12	157.683	2.97706	-3.52636		13.1071	-1594.12		
2697.82	162.676	2.97889	-3.53014		21.2156	-1596.31		
2694.51	167.668	2.98073	-3.53393		29.3239	-1598.49		
2691.2	172.659	2.98258	-3.53773		37.4318	-1600.63		
2687.87	177.65	2.98444	-3.54153		45.5391	-1602.75		
2684.53	182.64	2.98631	-3.54535		53.6459	-1604.83		
2681.19	187.63	2.98819	-3.54917		61.7518	-1606.9		
2677.83	192.618	2.99008	-3.55301		69.8568	-1608.93		
2674.47	197.607	2.99198	-3.55685		77.9608	-1610.94		
2671.09	202.594	2.99389	-3.5607	86.0636	-1612.92			
2667.71	207.58	2.99581	-3.56456		94.165	-1614.87		
2664.31	212.566	2.99774	-3.56843		102.265	-1616.79		
2660.91	217.551	2.99968	-3.57231		110.363	-1618.69		
2657.49	222.536	3.00163	-3.5762	118.46	-1620.57			
2654.07	227.519	3.00359	-3.58009		126.555	-1622.41		
2650.63	232.502	3.00556	-3.584	134.648	-1624.23			
2647.19	237.483	3.00755	-3.58791		142.739	-1626.02		

2643.74	242.464	3.00954	-3.59183		150.828	-1627.79
2640.27	247.444	3.01155	-3.59576		158.914	-1629.53
2636.8	252.423	3.01356	-3.5997	166.998	-1631.25	
2633.31	257.401	3.01559	-3.60364		175.079	-1632.93
2629.82	262.378	3.01762	-3.6076	183.158	-1634.6	
2626.32	267.354	3.01967	-3.61156		191.234	-1636.23
2622.8	272.329	3.02173	-3.61553		199.307	-1637.84
2619.28	277.303	3.0238	-3.61951		207.377	-1639.43
2615.75	282.276	3.02588	-3.6235	215.444	-1640.99	
2612.2	287.248	3.02797	-3.6275	223.507	-1642.52	
2608.65	292.218	3.03008	-3.6315	231.567	-1644.03	
2605.09	297.188	3.03219	-3.63551		239.624	-1645.51
2601.51	302.156	3.03432	-3.63953		247.677	-1646.97
2597.93	307.123	3.03646	-3.64356		255.727	-1648.4
2594.33	312.089	3.03861	-3.64759		263.773	-1649.81
2590.73	317.054	3.04077	-3.65163		271.815	-1651.19
2587.11	322.018	3.04294	-3.65568		279.852	-1652.55
2583.49	326.98	3.04512	-3.65974		287.886	-1653.88
2579.85	331.941	3.04732	-3.66381		295.916	-1655.19
2576.21	336.9	3.04953	-3.66788		303.941	-1656.47
2572.55	341.858	3.05175	-3.67196		311.962	-1657.73
2568.89	346.815	3.05398	-3.67605		319.978	-1658.97
2565.21	351.771	3.05622	-3.68014		327.99	-1660.18
2561.52	356.725	3.05848	-3.68424		335.998	-1661.36
2557.83	361.677	3.06075	-3.68835		344	-1662.53
2554.12	366.628	3.06302	-3.69247		351.997	-1663.67
2550.4	371.578	3.06532	-3.69659		359.99	-1664.78
2546.67	376.526	3.06762	-3.70072		367.978	-1665.87
2542.94	381.473	3.06994	-3.70486		375.96	-1666.94
2539.19	386.417	3.07227	-3.709	383.937	-1667.98	
2535.43	391.361	3.07461	-3.71315		391.909	-1669
2531.66	396.302	3.07696	-3.71731		399.876	-1670
2527.88	401.243	3.07933	-3.72147		407.837	-1670.97
2524.08	406.181	3.08171	-3.72564		415.792	-1671.92
2520.28	411.118	3.0841	-3.72982		423.742	-1672.85
2516.47	416.052	3.0865	-3.734	431.686	-1673.75	
2512.65	420.986	3.08892	-3.73819		439.624	-1674.64
2508.81	425.917	3.09135	-3.74239		447.557	-1675.49
2504.97	430.846	3.09379	-3.74659		455.483	-1676.33
2501.11	435.774	3.09624	-3.7508	463.403	-1677.14	
2497.25	440.7	3.09871	-3.75501		471.318	-1677.93
2493.37	445.624	3.10119	-3.75923		479.226	-1678.7
2489.48	450.546	3.10369	-3.76346		487.128	-1679.45
2485.58	455.466	3.10619	-3.76769		495.023	-1680.17
2481.68	460.384	3.10871	-3.77193		502.912	-1680.88
2477.76	465.3	3.11125	-3.77618		510.795	-1681.56
2473.82	470.214	3.11379	-3.78043		518.671	-1682.21
2469.88	475.126	3.11635	-3.78468		526.54	-1682.85
2465.93	480.035	3.11893	-3.78895		534.403	-1683.47
2461.97	484.943	3.12151	-3.79321		542.258	-1684.06
2457.99	489.849	3.12411	-3.79749		550.108	-1684.63
2454.01	494.752	3.12672	-3.80176		557.95	-1685.18
2450.01	499.653	3.12935	-3.80605		565.785	-1685.71
2446.01	504.552	3.13199	-3.81034		573.613	-1686.22
2441.99	509.449	3.13464	-3.81463		581.434	-1686.71
2437.96	514.343	3.13731	-3.81893		589.248	-1687.17
2433.92	519.235	3.13999	-3.82323		597.055	-1687.62

2429.87	524.124	3.14269	-3.82754	604.854	-1688.04
2425.8	529.011	3.14539	-3.83186	612.647	-1688.45
2421.73	533.896	3.14812	-3.83618	620.431	-1688.83
2417.65	538.778	3.15085	-3.8405	628.209	-1689.19
2413.55	543.658	3.1536	-3.84483	635.979	-1689.53
2409.45	548.535	3.15636	-3.84916	643.741	-1689.86
2405.33	553.41	3.15914	-3.8535	651.495	-1690.16
2401.2	558.282	3.16193	-3.85785	659.242	-1690.44
2397.06	563.152	3.16474	-3.86219	666.982	-1690.7
2392.91	568.019	3.16755	-3.86654	674.713	-1690.94
2388.74	572.883	3.17039	-3.8709	682.437	-1691.17
2384.57	577.744	3.17323	-3.87526	690.153	-1691.37
2380.38	582.603	3.1761	-3.87963	697.861	-1691.55
2376.19	587.459	3.17897	-3.88399	705.561	-1691.71
2371.98	592.312	3.18186	-3.88837	713.253	-1691.86
2367.76	597.162	3.18476	-3.89274	720.936	-1691.98
2363.53	602.009	3.18768	-3.89713	728.612	-1692.09
2359.29	606.854	3.19062	-3.90151	736.28	-1692.17
2355.03	611.695	3.19356	-3.9059	743.939	-1692.24
2350.77	616.534	3.19652	-3.91029	751.59	-1692.29
2346.49	621.369	3.1995	-3.91469	759.233	-1692.32
2342.2	626.202	3.20249	-3.91909	766.867	-1692.33
2337.9	631.031	3.20549	-3.92349	774.494	-1692.32
2333.59	635.857	3.20851	-3.9279	782.111	-1692.3
2329.27	640.68	3.21155	-3.93231	789.721	-1692.25
2324.93	645.5	3.21459	-3.93672	797.321	-1692.19
2320.59	650.317	3.21766	-3.94114	804.914	-1692.11
2316.23	655.13	3.22074	-3.94556	812.497	-1692.01
2311.86	659.94	3.22383	-3.94998	820.072	-1691.89
2307.48	664.747	3.22693	-3.95441	827.639	-1691.76
2303.09	669.55	3.23006	-3.95884	835.196	-1691.6
2298.68	674.35	3.23319	-3.96327	842.745	-1691.43
2294.27	679.147	3.23634	-3.96771	850.286	-1691.24
2289.84	683.94	3.23951	-3.97215	857.817	-1691.04
2285.4	688.729	3.24269	-3.97659	865.34	-1690.81
2280.95	693.515	3.24589	-3.98103	872.853	-1690.57
2276.49	698.298	3.2491	-3.98548	880.358	-1690.31
2272.01	703.076	3.25233	-3.98993	887.854	-1690.04
2267.53	707.851	3.25557	-3.99438	895.341	-1689.74
2263.03	712.623	3.25882	-3.99883	902.819	-1689.43
2258.52	717.39	3.26209	-4.00329	910.288	-1689.11
2254	722.154	3.26538	-4.00774	917.748	-1688.76
2249.46	726.914	3.26868	-4.0122	925.199	-1688.4
2244.92	731.67	3.272	-4.01667	932.641	-1688.03
2240.36	736.422	3.27533	-4.02113	940.074	-1687.63
2235.79	741.171	3.27868	-4.0256	947.497	-1687.22
2231.21	745.915	3.28204	-4.03007	954.912	-1686.79
2226.61	750.655	3.28542	-4.03453	962.317	-1686.35
2222.01	755.391	3.28881	-4.03901	969.713	-1685.89
2217.39	760.123	3.29222	-4.04348	977.099	-1685.41
2212.76	764.851	3.29564	-4.04796	984.477	-1684.92
2208.12	769.575	3.29908	-4.05243	991.845	-1684.41
2203.46	774.295	3.30254	-4.05691	999.204	-1683.89
2198.8	779.01	3.30601	-4.06139	1006.55	-1683.35
2194.12	783.721	3.30949	-4.06587	1013.89	-1682.8
2189.43	788.427	3.31299	-4.07035	1021.22	-1682.22
2184.73	793.13	3.31651	-4.07483	1028.54	-1681.64

2180.01	797.827	3.32004	-4.07932		1035.86	-1681.04
2175.28	802.521	3.32359	-4.0838	1043.16	-1680.42	
2170.54	807.209	3.32715	-4.08829		1050.45	-1679.78
2165.79	811.894	3.33073	-4.09278		1057.74	-1679.14
2161.03	816.573	3.33433	-4.09727		1065.01	-1678.47
2156.25	821.248	3.33794	-4.10175		1072.27	-1677.79
2151.47	825.918	3.34156	-4.10624		1079.53	-1677.1
2146.67	830.584	3.3452	-4.11073		1086.77	-1676.39
2141.85	835.245	3.34886	-4.11522		1094.01	-1675.67
2137.03	839.9	3.35253	-4.11971		1101.24	-1674.93
2132.19	844.551	3.35622	-4.12421		1108.45	-1674.18
2127.34	849.198	3.35993	-4.1287	1115.66	-1673.41	
2122.48	853.839	3.36365	-4.13319		1122.86	-1672.63
2117.6	858.475	3.36738	-4.13768		1130.04	-1671.83
2112.72	863.106	3.37114	-4.14217		1137.22	-1671.02
2107.82	867.732	3.3749	-4.14666		1144.39	-1670.2
2102.9	872.353	3.37869	-4.15116		1151.55	-1669.36
2097.98	876.968	3.38249	-4.15565		1158.7	-1668.51
2093.04	881.579	3.3863	-4.16014		1165.84	-1667.64
2088.09	886.184	3.39014	-4.16463		1172.97	-1666.76
2083.13	890.784	3.39398	-4.16912		1180.09	-1665.86
2078.16	895.378	3.39785	-4.17361		1187.2	-1664.95
2073.17	899.967	3.40173	-4.1781	1194.3	-1664.03	
2068.17	904.551	3.40562	-4.18259		1201.39	-1663.09
2063.16	909.129	3.40954	-4.18708		1208.47	-1662.14
2058.13	913.701	3.41346	-4.19157		1215.54	-1661.18
2053.09	918.268	3.41741	-4.19606		1222.6	-1660.2
2048.04	922.829	3.42137	-4.20054		1229.65	-1659.21
2042.98	927.385	3.42535	-4.20503		1236.69	-1658.21
2037.91	931.934	3.42934	-4.20951		1243.72	-1657.19
2032.82	936.478	3.43335	-4.21399		1250.75	-1656.16
2027.72	941.016	3.43737	-4.21848		1257.76	-1655.12
2022.6	945.548	3.44141	-4.22296		1264.76	-1654.06
2017.48	950.074	3.44547	-4.22744		1271.75	-1652.99
2012.34	954.594	3.44955	-4.23191		1278.73	-1651.91
2007.19	959.109	3.45364	-4.23639		1285.71	-1650.81
2002.02	963.616	3.45774	-4.24087		1292.67	-1649.71
1996.84	968.118	3.46186	-4.24534		1299.62	-1648.59
1991.65	972.614	3.466	-4.24981		1306.56	-1647.45
1986.45	977.103	3.47016	-4.25428		1313.5	-1646.31
1981.24	981.586	3.47433	-4.25875		1320.42	-1645.15
1976.01	986.063	3.47852	-4.26322		1327.33	-1643.98
1970.77	990.533	3.48272	-4.26768		1334.24	-1642.8
1965.51	994.997	3.48694	-4.27214		1341.13	-1641.6
1960.25	999.454	3.49118	-4.2766	1348.01	-1640.4	
1954.97	1003.9	3.49543	-4.28106		1354.89	-1639.18
1949.67	1008.35	3.4997	-4.28551		1361.75	-1637.95
1944.37	1012.79	3.50399	-4.28997		1368.61	-1636.7
1939.05	1017.22	3.50829	-4.29442		1375.45	-1635.45
1933.72	1021.64	3.51261	-4.29886		1382.28	-1634.18
1928.37	1026.06	3.51695	-4.30331		1389.11	-1632.9
1923.02	1030.47	3.5213	-4.30775		1395.92	-1631.61
1917.65	1034.87	3.52567	-4.31219		1402.73	-1630.31
1912.26	1039.27	3.53006	-4.31663		1409.52	-1629
1906.87	1043.65	3.53446	-4.32106		1416.3	-1627.67
1901.46	1048.04	3.53888	-4.32549		1423.08	-1626.34
1896.03	1052.41	3.54331	-4.32992		1429.84	-1624.99

1890.6	1056.78	3.54776	-4.33434		1436.6	-1623.63
1885.15	1061.14	3.55223	-4.33876		1443.34	-1622.26
1879.69	1065.49	3.55671	-4.34318		1450.08	-1620.88
1874.22	1069.84	3.56122	-4.34759		1456.8	-1619.49
1868.73	1074.17	3.56573	-4.352	1463.52	-1618.08	
1863.23	1078.5	3.57027	-4.35641		1470.22	-1616.67
1857.71	1082.83	3.57482	-4.36081		1476.92	-1615.24
1852.19	1087.14	3.57939	-4.36521		1483.6	-1613.81
1846.65	1091.45	3.58397	-4.36961		1490.28	-1612.36
1841.1	1095.75	3.58857	-4.374	1496.94	-1610.9	
1835.53	1100.04	3.59319	-4.37839		1503.6	-1609.43
1829.95	1104.33	3.59782	-4.38277		1510.24	-1607.95
1824.36	1108.6	3.60247	-4.38715		1516.88	-1606.46
1818.75	1112.87	3.60714	-4.39153		1523.51	-1604.96
1813.14	1117.13	3.61182	-4.3959	1530.12	-1603.45	
1807.5	1121.38	3.61652	-4.40027		1536.73	-1601.93
1801.86	1125.62	3.62124	-4.40463		1543.32	-1600.4
1796.2	1129.86	3.62598	-4.40899		1549.91	-1598.86
1790.53	1134.09	3.63073	-4.41334		1556.49	-1597.3
1784.85	1138.31	3.63549	-4.41769		1563.05	-1595.74
1779.15	1142.52	3.64028	-4.42203		1569.61	-1594.17
1773.44	1146.72	3.64508	-4.42637		1576.16	-1592.59
1767.72	1150.91	3.6499	-4.4307	1582.69	-1590.99	
1761.98	1155.1	3.65473	-4.43503		1589.22	-1589.39
1756.23	1159.27	3.65958	-4.43935		1595.74	-1587.78
1750.47	1163.44	3.66445	-4.44367		1602.24	-1586.16
1744.69	1167.6	3.66933	-4.44799		1608.74	-1584.53
1738.9	1171.75	3.67423	-4.45229		1615.23	-1582.88
1733.1	1175.89	3.67915	-4.4566	1621.71	-1581.23	
1727.29	1180.02	3.68408	-4.46089		1628.18	-1579.57
1721.46	1184.14	3.68903	-4.46518		1634.63	-1577.9
1715.61	1188.26	3.694	-4.46947		1641.08	-1576.22
1709.76	1192.36	3.69899	-4.47375		1647.52	-1574.53
1703.89	1196.46	3.70399	-4.47802		1653.95	-1572.83
1698.01	1200.54	3.709	-4.48229		1660.37	-1571.12
1692.11	1204.62	3.71404	-4.48655		1666.78	-1569.41
1686.21	1208.69	3.71909	-4.49081		1673.18	-1567.68
1680.29	1212.75	3.72416	-4.49506		1679.57	-1565.95
1674.35	1216.79	3.72924	-4.4993	1685.95	-1564.2	
1668.4	1220.83	3.73434	-4.50353		1692.32	-1562.45
1662.44	1224.86	3.73946	-4.50776		1698.68	-1560.68
1656.47	1228.88	3.7446	-4.51199		1705.03	-1558.91
1650.48	1232.89	3.74975	-4.51621		1711.37	-1557.13
1644.48	1236.89	3.75491	-4.52042		1717.7	-1555.34
1638.47	1240.88	3.7601	-4.52462		1724.02	-1553.54
1632.44	1244.86	3.7653	-4.52882		1730.33	-1551.73
1626.4	1248.83	3.77052	-4.533	1736.63	-1549.92	
1620.35	1252.79	3.77575	-4.53719		1742.93	-1548.09
1614.28	1256.74	3.781	-4.54136		1749.21	-1546.26
1608.2	1260.68	3.78627	-4.54553		1755.48	-1544.42
1602.11	1264.61	3.79155	-4.54969		1761.74	-1542.57
1596.01	1268.52	3.79686	-4.55384		1768	-1540.71
1589.89	1272.43	3.80217	-4.55799		1774.24	-1538.84
1583.75	1276.33	3.80751	-4.56213		1780.48	-1536.96
1577.61	1280.21	3.81286	-4.56626		1786.7	-1535.08
1571.45	1284.09	3.81823	-4.57038		1792.92	-1533.19
1565.28	1287.96	3.82361	-4.5745	1799.12	-1531.29	

1559.1	1291.81	3.82901	-4.57861		1805.32	-1529.38
1552.9	1295.65	3.83443	-4.58271		1811.5	-1527.46
1546.69	1299.48	3.83986	-4.5868	1817.68	-1525.54	
1540.46	1303.31	3.84531	-4.59088		1823.85	-1523.6
1534.23	1307.12	3.85078	-4.59495		1830.01	-1521.66
1527.98	1310.92	3.85626	-4.59902		1836.15	-1519.71
1521.71	1314.7	3.86176	-4.60308		1842.29	-1517.75
1515.44	1318.48	3.86727	-4.60713		1848.42	-1515.79
1509.15	1322.24	3.87281	-4.61117		1854.54	-1513.82
1502.84	1326	3.87836	-4.6152	1860.65	-1511.84	
1496.53	1329.74	3.88392	-4.61923		1866.75	-1509.85
1490.2	1333.47	3.8895	-4.62324		1872.84	-1507.85
1483.86	1337.19	3.8951	-4.62725		1878.92	-1505.85
1477.5	1340.9	3.90072	-4.63124		1884.99	-1503.84
1471.14	1344.59	3.90635	-4.63523		1891.06	-1501.82
1464.76	1348.27	3.91199	-4.63921		1897.11	-1499.79
1458.36	1351.95	3.91766	-4.64318		1903.15	-1497.76
1451.96	1355.6	3.92334	-4.64714		1909.19	-1495.72
1445.54	1359.25	3.92903	-4.65109		1915.21	-1493.67
1439.11	1362.89	3.93475	-4.65503		1921.23	-1491.61
1432.66	1366.51	3.94047	-4.65896		1927.23	-1489.55
1426.2	1370.12	3.94622	-4.66288		1933.23	-1487.48
1419.73	1373.72	3.95198	-4.66679		1939.22	-1485.4
1413.25	1377.3	3.95776	-4.67069		1945.19	-1483.31
1406.75	1380.88	3.96355	-4.67459		1951.16	-1481.22
1400.24	1384.44	3.96936	-4.67847		1957.12	-1479.12
1393.72	1387.98	3.97519	-4.68234		1963.07	-1477.01
1387.19	1391.52	3.98103	-4.6862	1969.01	-1474.9	
1380.64	1395.04	3.98689	-4.69005		1974.94	-1472.78
1374.08	1398.55	3.99276	-4.69389		1980.86	-1470.65
1367.5	1402.05	3.99865	-4.69772		1986.77	-1468.52
1360.92	1405.53	4.00456	-4.70154		1992.68	-1466.38
1354.32	1409	4.01048	-4.70535		1998.57	-1464.23
1347.71	1412.45	4.01642	-4.70915		2004.46	-1462.07
1341.09	1415.9	4.02237	-4.71293		2010.33	-1459.91
1334.45	1419.33	4.02834	-4.71671		2016.2	-1457.74
1327.8	1422.74	4.03433	-4.72047		2022.05	-1455.57
1321.14	1426.15	4.04033	-4.72423		2027.9	-1453.39
1314.46	1429.54	4.04635	-4.72797		2033.74	-1451.2
1307.78	1432.91	4.05238	-4.7317	2039.57	-1449	
1301.08	1436.28	4.05843	-4.73542		2045.39	-1446.8
1294.37	1439.62	4.06449	-4.73913		2051.2	-1444.6
1287.64	1442.96	4.07057	-4.74283		2057	-1442.38
1280.91	1446.28	4.07667	-4.74651		2062.8	-1440.16
1274.16	1449.59	4.08278	-4.75018		2068.58	-1437.93
1267.4	1452.88	4.08891	-4.75385		2074.35	-1435.7
1260.62	1456.16	4.09505	-4.7575	2080.12	-1433.46	
1253.84	1459.42	4.10121	-4.76113		2085.88	-1431.21
1247.04	1462.67	4.10739	-4.76476		2091.62	-1428.96
1240.23	1465.9	4.11358	-4.76837		2097.36	-1426.7
1233.41	1469.13	4.11978	-4.77197		2103.09	-1424.44
1226.57	1472.33	4.126	-4.77556		2108.81	-1422.17
1219.72	1475.52	4.13224	-4.77914		2114.52	-1419.89
1212.86	1478.7	4.13849	-4.7827	2120.22	-1417.61	
1205.99	1481.86	4.14476	-4.78625		2125.91	-1415.32
1199.11	1485.01	4.15104	-4.78979		2131.6	-1413.02
1192.22	1488.14	4.15733	-4.79331		2137.27	-1410.72

1185.31	1491.26	4.16365	-4.79683		2142.94	-1408.42
1178.39	1494.36	4.16997	-4.80033		2148.6	-1406.1
1171.46	1497.45	4.17632	-4.80381		2154.25	-1403.78
1164.51	1500.52	4.18267	-4.80729		2159.88	-1401.46
1157.56	1503.58	4.18905	-4.81075		2165.51	-1399.13
1150.59	1506.62	4.19543	-4.81419		2171.14	-1396.79
1143.61	1509.64	4.20184	-4.81763		2176.75	-1394.45
1136.62	1512.65	4.20825	-4.82105		2182.35	-1392.1
1129.62	1515.65	4.21469	-4.82445		2187.95	-1389.75
1122.61	1518.62	4.22113	-4.82785		2193.53	-1387.39
1115.58	1521.59	4.2276	-4.83122		2199.11	-1385.03
1108.55	1524.54	4.23407	-4.83459		2204.68	-1382.66
1101.5	1527.47	4.24056	-4.83794		2210.24	-1380.28
1094.44	1530.38	4.24707	-4.84128		2215.79	-1377.9
1087.37	1533.28	4.25359	-4.8446	2221.33	-1375.52	
1080.29	1536.16	4.26013	-4.84791		2226.86	-1373.12
1073.19	1539.03	4.26667	-4.8512	2232.39	-1370.73	
1066.09	1541.88	4.27324	-4.85448		2237.9	-1368.32
1058.97	1544.71	4.27982	-4.85775		2243.41	-1365.92
1051.84	1547.53	4.28641	-4.861	2248.91	-1363.5	
1044.7	1550.33	4.29302	-4.86424		2254.4	-1361.08
1037.55	1553.12	4.29964	-4.86746		2259.88	-1358.66
1030.39	1555.89	4.30627	-4.87066		2265.35	-1356.23
1023.22	1558.64	4.31292	-4.87386		2270.81	-1353.8
1016.04	1561.37	4.31959	-4.87703		2276.27	-1351.36
1008.84	1564.09	4.32627	-4.8802	2281.72	-1348.91	
1001.64	1566.79	4.33296	-4.88334		2287.15	-1346.46
994.42	1569.47	4.33966	-4.88647		2292.58	-1344.01
987.194	1572.14	4.34638	-4.88959		2298	-1341.55
979.956	1574.79	4.35312	-4.89269		2303.41	-1339.08
972.708	1577.42	4.35986	-4.89578		2308.82	-1336.61
965.449	1580.04	4.36662	-4.89885		2314.21	-1334.14
958.18	1582.63	4.3734	-4.9019	2319.6	-1331.66	
950.9	1585.21	4.38019	-4.90494		2324.97	-1329.17
943.609	1587.78	4.38699	-4.90796		2330.34	-1326.69
936.308	1590.32	4.3938	-4.91097		2335.7	-1324.19
928.997	1592.85	4.40063	-4.91396		2341.06	-1321.69
921.675	1595.36	4.40747	-4.91694		2346.4	-1319.19
914.344	1597.85	4.41433	-4.9199	2351.73	-1316.68	
907.002	1600.32	4.4212	-4.92284		2357.06	-1314.17
899.649	1602.78	4.42808	-4.92576		2362.38	-1311.65
892.287	1605.22	4.43497	-4.92867		2367.69	-1309.12
884.915	1607.64	4.44188	-4.93157		2372.99	-1306.6
877.533	1610.04	4.4488	-4.93445		2378.28	-1304.06
870.14	1612.42	4.45573	-4.93731		2383.57	-1301.53
862.738	1614.78	4.46268	-4.94015		2388.84	-1298.99
855.327	1617.13	4.46964	-4.94298		2394.11	-1296.44
847.905	1619.46	4.47661	-4.94579		2399.37	-1293.89
840.474	1621.77	4.48359	-4.94858		2404.62	-1291.34
833.033	1624.06	4.49059	-4.95136		2409.86	-1288.78
825.583	1626.33	4.4976	-4.95412		2415.1	-1286.21
818.123	1628.59	4.50462	-4.95686		2420.32	-1283.64
810.654	1630.82	4.51166	-4.95958		2425.54	-1281.07
803.175	1633.04	4.5187	-4.96229		2430.75	-1278.49
795.688	1635.23	4.52576	-4.96498		2435.95	-1275.91
788.191	1637.41	4.53283	-4.96766		2441.14	-1273.33
780.685	1639.57	4.53992	-4.97031		2446.33	-1270.74

773.169	1641.71	4.54701	-4.97295		2451.51	-1268.14
765.645	1643.83	4.55412	-4.97557		2456.67	-1265.54
758.112	1645.93	4.56124	-4.97817		2461.83	-1262.94
750.57	1648.01	4.56837	-4.98076		2466.99	-1260.33
743.019	1650.08	4.57551	-4.98332		2472.13	-1257.72
735.46	1652.12	4.58266	-4.98587		2477.26	-1255.11
727.892	1654.14	4.58983	-4.9884	2482.39	-1252.49	
720.315	1656.15	4.59701	-4.99092		2487.51	-1249.86
712.73	1658.13	4.6042	-4.99341		2492.62	-1247.24
705.136	1660.1	4.61139	-4.99589		2497.73	-1244.6
697.534	1662.04	4.61861	-4.99834		2502.82	-1241.97
689.924	1663.97	4.62583	-5.00078		2507.91	-1239.33
682.306	1665.87	4.63306	-5.0032	2512.99	-1236.69	
674.679	1667.76	4.64031	-5.00561		2518.06	-1234.04
667.044	1669.63	4.64756	-5.00799		2523.12	-1231.39
659.402	1671.47	4.65483	-5.01036		2528.17	-1228.73
651.751	1673.3	4.6621	-5.0127	2533.22	-1226.07	
644.093	1675.1	4.66939	-5.01503		2538.26	-1223.41
636.427	1676.89	4.67669	-5.01734		2543.29	-1220.74
628.753	1678.65	4.684	-5.01963		2548.31	-1218.07
621.072	1680.4	4.69132	-5.0219	2553.33	-1215.39	
613.383	1682.12	4.69865	-5.02416		2558.33	-1212.72
605.687	1683.82	4.70598	-5.02639		2563.33	-1210.03
597.983	1685.51	4.71333	-5.0286	2568.32	-1207.35	
590.272	1687.17	4.72069	-5.0308	2573.31	-1204.66	
582.554	1688.81	4.72806	-5.03297		2578.28	-1201.96
574.829	1690.43	4.73544	-5.03513		2583.25	-1199.27
567.097	1692.03	4.74283	-5.03727		2588.21	-1196.56
559.358	1693.61	4.75023	-5.03938		2593.16	-1193.86
551.612	1695.17	4.75764	-5.04148		2598.1	-1191.15
543.859	1696.71	4.76506	-5.04356		2603.04	-1188.44
536.1	1698.23	4.77249	-5.04562		2607.97	-1185.72
528.334	1699.73	4.77993	-5.04766		2612.89	-1183.01
520.561	1701.2	4.78737	-5.04967		2617.8	-1180.28
512.782	1702.65	4.79483	-5.05167		2622.7	-1177.56
504.997	1704.09	4.80229	-5.05365		2627.6	-1174.83
497.206	1705.5	4.80977	-5.05561		2632.49	-1172.09
489.408	1706.89	4.81725	-5.05755		2637.37	-1169.36
481.604	1708.26	4.82474	-5.05947		2642.24	-1166.62
473.795	1709.61	4.83224	-5.06137		2647.11	-1163.88
465.979	1710.94	4.83975	-5.06325		2651.97	-1161.13
458.158	1712.24	4.84727	-5.06511		2656.82	-1158.38
450.331	1713.52	4.8548	-5.06695		2661.66	-1155.63
442.498	1714.79	4.86233	-5.06877		2666.49	-1152.87
434.66	1716.03	4.86987	-5.07056		2671.32	-1150.11
426.816	1717.25	4.87742	-5.07234		2676.14	-1147.35
418.967	1718.45	4.88498	-5.0741	2680.95	-1144.58	
411.113	1719.62	4.89255	-5.07584		2685.76	-1141.81
403.254	1720.78	4.90012	-5.07755		2690.55	-1139.04
395.389	1721.91	4.90771	-5.07925		2695.34	-1136.26
387.52	1723.02	4.9153	-5.08092		2700.12	-1133.48
379.646	1724.11	4.92289	-5.08258		2704.9	-1130.7
371.767	1725.18	4.9305	-5.08421		2709.67	-1127.91
363.883	1726.22	4.93811	-5.08582		2714.42	-1125.12
355.995	1727.25	4.94573	-5.08742		2719.18	-1122.33
348.102	1728.25	4.95336	-5.08899		2723.92	-1119.54
340.205	1729.23	4.96099	-5.09054		2728.66	-1116.74

332.303	1730.19	4.96864	-5.09207		2733.38	-1113.94
324.397	1731.12	4.97628	-5.09358		2738.11	-1111.13
316.487	1732.03	4.98394	-5.09507		2742.82	-1108.32
308.574	1732.93	4.9916	-5.09653		2747.53	-1105.51
300.656	1733.8	4.99927	-5.09798		2752.23	-1102.7
292.734	1734.64	5.00694	-5.0994	2756.92	-1099.88	
284.809	1735.47	5.01462	-5.10081		2761.6	-1097.06
276.88	1736.27	5.02231	-5.10219		2766.28	-1094.24
268.947	1737.05	5.03	-5.10355		2770.95	-1091.42
261.012	1737.81	5.0377	-5.10489		2775.61	-1088.59
253.072	1738.55	5.04541	-5.10621		2780.26	-1085.76
245.13	1739.26	5.05312	-5.1075	2784.91	-1082.92	
237.184	1739.95	5.06084	-5.10878		2789.55	-1080.09
229.236	1740.62	5.06856	-5.11003		2794.18	-1077.25
221.284	1741.27	5.07629	-5.11127		2798.81	-1074.4
213.33	1741.89	5.08402	-5.11248		2803.43	-1071.56
205.373	1742.49	5.09176	-5.11367		2808.04	-1068.71
197.413	1743.07	5.09951	-5.11484		2812.64	-1065.86
189.451	1743.63	5.10725	-5.11599		2817.24	-1063.01
181.486	1744.16	5.11501	-5.11711		2821.82	-1060.15
173.519	1744.67	5.12277	-5.11822		2826.41	-1057.29
165.55	1745.16	5.13053	-5.1193	2830.98	-1054.43	
157.579	1745.63	5.1383	-5.12036		2835.55	-1051.57
149.605	1746.07	5.14607	-5.1214	2840.11	-1048.7	
141.63	1746.49	5.15385	-5.12242		2844.66	-1045.83
133.653	1746.89	5.16163	-5.12341		2849.21	-1042.96
125.674	1747.27	5.16942	-5.12439		2853.74	-1040.08
117.694	1747.62	5.17721	-5.12534		2858.27	-1037.2
109.712	1747.95	5.18501	-5.12627		2862.8	-1034.32
101.729	1748.26	5.19281	-5.12718		2867.31	-1031.44
93.744	1748.55	5.20061	-5.12807		2871.82	-1028.55
85.7583	1748.81	5.20841	-5.12893		2876.33	-1025.67
77.7714	1749.05	5.21622	-5.12978		2880.82	-1022.78
69.7836	1749.27	5.22404	-5.1306	2885.31	-1019.88	
61.7948	1749.46	5.23185	-5.1314	2889.79	-1016.99	
53.8053	1749.63	5.23968	-5.13218		2894.27	-1014.09
45.8151	1749.78	5.2475	-5.13293		2898.73	-1011.19
37.8243	1749.91	5.25532	-5.13367		2903.19	-1008.29
29.8331	1750.01	5.26315	-5.13438		2907.65	-1005.38
21.8414	1750.1	5.27099	-5.13507		2912.09	-1002.47
13.8495	1750.15	5.27882	-5.13574		2916.53	-999.562
5.8575	1750.19	5.28666	-5.13639		2920.96	-996.65
-2.1346	1750.2	5.2945	-5.13702		2925.39	-993.735
-10.1267		1750.19	5.30234	-5.13762		2929.8 -990.817
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-26.1102		1750.11	5.31804	-5.13876		2938.62 -984.975
-34.1015		1750.03	5.32589	-5.1393	2943.02	-982.051
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-58.0723		1749.66	5.34945	-5.14078		2956.17 -973.264
-66.0611		1749.49	5.3573	-5.14123		2960.54 -970.33
-74.0491		1749.3	5.36516	-5.14166		2964.9 -967.394
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-121.953	1747.68	5.41234	-5.14377	2990.93	-949.732
-129.932	1747.33	5.42021	-5.14405	2995.24	-946.781
-137.909	1746.95	5.42808	-5.1443	2999.55	-943.827
-145.885	1746.56	5.43594	-5.14454	3003.85	-940.872
-153.858	1746.14	5.44381	-5.14475	3008.14	-937.914
-161.83	1745.7	5.45168	-5.14494	3012.43	-934.954
-169.799	1745.24	5.45955	-5.1451	3016.71	-931.992
-177.766	1744.75	5.46742	-5.14525	3020.99	-929.028
-185.731	1744.25	5.47529	-5.14537	3025.25	-926.062
-193.694	1743.72	5.48316	-5.14547	3029.51	-923.094
-201.654	1743.16	5.49103	-5.14555	3033.77	-920.124
-209.612	1742.59	5.4989	-5.14561	3038.01	-917.152
-217.566	1741.99	5.50677	-5.14564	3042.25	-914.177
-225.518	1741.37	5.51464	-5.14566	3046.49	-911.201
-233.467	1740.73	5.5225	-5.14565	3050.71	-908.223
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-249.356	1739.38	5.53824	-5.14557	3059.15	-902.261
-257.296	1738.67	5.5461	-5.1455	3063.35	-899.276
-265.232	1737.94	5.55397	-5.14541	3067.56	-896.29
-273.165	1737.18	5.56183	-5.14529	3071.75	-893.302
-281.095	1736.41	5.56969	-5.14516	3075.94	-890.312
-289.021	1735.61	5.57756	-5.145	3080.12	-887.32
-296.943	1734.79	5.58542	-5.14482	3084.29	-884.327
-304.861	1733.95	5.59328	-5.14462	3088.46	-881.331
-312.776	1733.08	5.60113	-5.14439	3092.62	-878.334
-320.686	1732.2	5.60899	-5.14415	3096.77	-875.334
-328.593	1731.29	5.61684	-5.14388	3100.92	-872.333
-336.495	1730.36	5.62469	-5.1436	3105.06	-869.33
-344.393	1729.4	5.63254	-5.14329	3109.2	-866.325
-352.286	1728.43	5.64039	-5.14296	3113.32	-863.318
-360.175	1727.43	5.64824	-5.14261	3117.45	-860.31
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-375.94	1725.37	5.66392	-5.14185	3125.67	-854.288
-383.815	1724.31	5.67176	-5.14143	3129.77	-851.274
-391.685	1723.23	5.6796	-5.141	3133.87	-848.258
-399.551	1722.12	5.68743	-5.14054	3137.96	-845.241
-407.411	1721	5.69526	-5.14006	3142.04	-842.222
-415.266	1719.85	5.70309	-5.13956	3146.11	-839.201
-423.116	1718.68	5.71091	-5.13905	3150.18	-836.179
-430.961	1717.49	5.71874	-5.1385	3154.25	-833.155
-438.8	1716.27	5.72655	-5.13794	3158.31	-830.129
-446.634	1715.04	5.73437	-5.13736	3162.36	-827.101
-454.462	1713.78	5.74218	-5.13676	3166.4	-824.072
-462.284	1712.51	5.74999	-5.13614	3170.44	-821.041
-470.101	1711.21	5.7578	-5.13549	3174.47	-818.009
-477.912	1709.89	5.7656	-5.13483	3178.5	-814.974
-485.717	1708.54	5.7734	-5.13414	3182.51	-811.939
-493.516	1707.18	5.78119	-5.13343	3186.53	-808.901
-501.309	1705.8	5.78898	-5.13271	3190.53	-805.862
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-1048.41	1551.51	6.34177	-5.02767	3466.6	-580.352
-1055.54	1548.72	6.34906	-5.02557	3470.17	-577.221
-1062.67	1545.92	6.35634	-5.02346	3473.73	-574.089
-1069.78	1543.1	6.36361	-5.02133	3477.29	-570.956
-1076.88	1540.27	6.37087	-5.01919	3480.83	-567.822
-1083.97	1537.42	6.37812	-5.01704	3484.38	-564.687
-1091.05	1534.56	6.38537	-5.01486	3487.92	-561.552
-1098.11	1531.68	6.3926	-5.01267	3491.45	-558.415
-1105.17	1528.78	6.39983	-5.01047	3494.97	-555.277
-1112.21	1525.87	6.40704	-5.00825	3498.5	-552.139
-1119.24	1522.94	6.41425	-5.00601	3502.01	-549
-1126.27	1520	6.42144	-5.00376	3505.52	-545.86
-1133.28	1517.04	6.42863	-5.00149	3509.03	-542.719
-1140.27	1514.06	6.43581	-4.99921	3512.53	-539.577
-1147.26	1511.07	6.44297	-4.99692	3516.02	-536.434
-1154.23	1508.07	6.45013	-4.9946	3519.51	-533.291
-1161.2	1505.04	6.45728	-4.99228	3522.99	-530.146
-1168.15	1502.01	6.46442	-4.98993	3526.47	-527.001
-1175.09	1498.96	6.47154	-4.98758	3529.94	-523.855
-1182.02	1495.89	6.47866	-4.98521	3533.41	-520.708
-1188.93	1492.81	6.48577	-4.98282	3536.87	-517.561
-1195.83	1489.71	6.49287	-4.98042	3540.32	-514.412
-1202.73	1486.6	6.49996	-4.978	3543.77	-511.263
-1209.61	1483.47	6.50704	-4.97557	3547.22	-508.113
-1216.47	1480.33	6.5141	-4.97313	3550.65	-504.963
-1223.33	1477.18	6.52116	-4.97067	3554.09	-501.811
-1230.17	1474.01	6.52821	-4.9682	3557.52	-498.659
-1237.01	1470.82	6.53525	-4.96571	3560.94	-495.506
-1243.83	1467.62	6.54228	-4.96321	3564.36	-492.352
-1250.63	1464.41	6.54929	-4.96069	3567.77	-489.198
-1257.43	1461.18	6.5563	-4.95817	3571.18	-486.042
-1264.21	1457.94	6.5633	-4.95562	3574.58	-482.887
-1270.98	1454.68	6.57029	-4.95306	3577.97	-479.73
-1277.74	1451.41	6.57726	-4.95049	3581.36	-476.572
-1284.49	1448.13	6.58423	-4.94791	3584.75	-473.414
-1291.22	1444.83	6.59118	-4.94531	3588.13	-470.256
-1297.95	1441.52	6.59813	-4.9427	3591.5	-467.096
-1304.66	1438.19	6.60507	-4.94007	3594.87	-463.936
-1311.35	1434.85	6.61199	-4.93743	3598.24	-460.775
-1318.04	1431.5	6.6189	-4.93478	3601.59	-457.613
-1324.71	1428.13	6.62581	-4.93212	3604.95	-454.451
-1331.37	1424.75	6.6327	-4.92944	3608.3	-451.288
-1338.02	1421.36	6.63958	-4.92675	3611.64	-448.125
-1344.65	1417.96	6.64645	-4.92404	3614.98	-444.961
-1351.28	1414.54	6.65332	-4.92132	3618.31	-441.796
-1357.89	1411.1	6.66017	-4.91859	3621.64	-438.63
-1364.48	1407.66	6.66701	-4.91585	3624.96	-435.464
-1371.07	1404.2	6.67384	-4.91309	3628.27	-432.297
-1377.64	1400.73	6.68065	-4.91032	3631.58	-429.13
-1384.2	1397.24	6.68746	-4.90754	3634.89	-425.962

-1390.75	1393.74	6.69426	-4.90475	3638.19	-422.794
-1397.28	1390.23	6.70104	-4.90194	3641.49	-419.624
-1403.8	1386.71	6.70782	-4.89912	3644.78	-416.455
-1410.31	1383.18	6.71458	-4.89629	3648.06	-413.284
-1416.81	1379.63	6.72134	-4.89345	3651.34	-410.113
-1423.29	1376.07	6.72808	-4.89059	3654.62	-406.942
-1429.76	1372.5	6.73481	-4.88772	3657.89	-403.77
-1436.22	1368.91	6.74153	-4.88484	3661.15	-400.597
-1442.67	1365.31	6.74824	-4.88195	3664.41	-397.424
-1449.1	1361.71	6.75494	-4.87904	3667.66	-394.25
-1455.52	1358.08	6.76163	-4.87613	3670.91	-391.076
-1461.93	1354.45	6.76831	-4.8732	3674.16	-387.901
-1468.32	1350.81	6.77497	-4.87026	3677.4	-384.725
-1474.7	1347.15	6.78163	-4.86731	3680.63	-381.549
-1481.07	1343.48	6.78827	-4.86435	3683.86	-378.373
-1487.43	1339.8	6.79491	-4.86137	3687.08	-375.196
-1493.77	1336.11	6.80153	-4.85839	3690.3	-372.018
-1500.1	1332.41	6.80814	-4.85539	3693.51	-368.84
-1506.42	1328.69	6.81474	-4.85238	3696.72	-365.662
-1512.72	1324.96	6.82133	-4.84936	3699.92	-362.483
-1519.01	1321.23	6.82791	-4.84633	3703.12	-359.303
-1525.29	1317.48	6.83447	-4.84329	3706.32	-356.123
-1531.56	1313.72	6.84103	-4.84024	3709.5	-352.943
-1537.81	1309.95	6.84757	-4.83717	3712.69	-349.762
-1544.05	1306.16	6.8541	-4.8341	3715.86	-346.58
-1550.28	1302.37	6.86063	-4.83101	3719.04	-343.398
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-1562.69	1294.75	6.87364	-4.82481	3725.37	-337.033
-1568.88	1290.92	6.88013	-4.82169	3728.53	-333.85
-1575.05	1287.09	6.8866	-4.81856	3731.68	-330.666
-1581.21	1283.24	6.89307	-4.81543	3734.83	-327.482
-1587.36	1279.38	6.89952	-4.81228	3737.97	-324.297
-1593.5	1275.51	6.90597	-4.80912	3741.11	-321.112
-1599.62	1271.64	6.9124	-4.80595	3744.24	-317.927
-1605.73	1267.75	6.91882	-4.80277	3747.37	-314.741
-1611.83	1263.85	6.92523	-4.79958	3750.49	-311.555
-1617.91	1259.94	6.93163	-4.79638	3753.61	-308.368
-1623.98	1256.02	6.93802	-4.79317	3756.72	-305.181
-1630.04	1252.09	6.94439	-4.78995	3759.83	-301.993
-1636.08	1248.15	6.95076	-4.78672	3762.93	-298.805
-1642.11	1244.2	6.95711	-4.78348	3766.03	-295.617
-1648.13	1240.24	6.96345	-4.78023	3769.12	-292.429
-1654.14	1236.27	6.96978	-4.77697	3772.21	-289.24
-1660.13	1232.29	6.9761	-4.7737	3775.3	-286.05
-1666.11	1228.3	6.98241	-4.77042	3778.37	-282.86
-1672.08	1224.3	6.98871	-4.76713	3781.45	-279.67
-1678.03	1220.29	6.995	-4.76383	3784.52	-276.48
-1683.97	1216.27	7.00127	-4.76053	3787.58	-273.289
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-1695.81	1208.21	7.01378	-4.75389	3793.69	-266.906
-1701.71	1204.16	7.02002	-4.75055	3796.74	-263.714
-1707.6	1200.11	7.02625	-4.74721	3799.79	-260.522
-1713.47	1196.04	7.03247	-4.74385	3802.83	-257.33
-1719.34	1191.97	7.03868	-4.74049	3805.86	-254.137
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-1731.02	1183.79	7.05106	-4.73374	3811.92	-247.75
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-1742.65		1175.58	7.06339	-4.72695		3817.95	-241.362
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-1754.23		1167.34	7.07568	-4.72013		3823.97	-234.973
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-1782.96		1146.57	7.1062	-4.70293		3838.93	-218.995
-1788.66		1142.39	7.11227	-4.69947		3841.91	-215.799
-1794.35		1138.21	7.11833	-4.69599		3844.88	-212.602
-1800.03		1134.01	7.12438	-4.69251		3847.85	-209.405
-1805.7	1129.81	7.13042	-4.68902		3850.81	-206.208	
-1811.35		1125.59	7.13645	-4.68552		3853.77	-203.011
-1816.99		1121.38	7.14246	-4.68202		3856.72	-199.813
-1822.62		1117.15	7.14846	-4.6785	3859.67	-196.615	
-1828.24		1112.91	7.15445	-4.67498		3862.62	-193.417
-1833.84		1108.67	7.16043	-4.67145		3865.56	-190.218
-1839.43		1104.42	7.1664	-4.66791		3868.49	-187.02
-1845	1100.16	7.17236	-4.66437		3871.42	-183.821	
-1850.57		1095.89	7.17831	-4.66081		3874.35	-180.622
-1856.12		1091.62	7.18424	-4.65725		3877.27	-177.423
-1861.65		1087.33	7.19017	-4.65368		3880.18	-174.223
-1867.18		1083.04	7.19608	-4.65011		3883.09	-171.024
-1872.69		1078.75	7.20198	-4.64653		3886	-167.824
-1878.19		1074.44	7.20787	-4.64294		3888.9	-164.624
-1883.67		1070.13	7.21375	-4.63934		3891.8	-161.423
-1889.15		1065.81	7.21962	-4.63573		3894.69	-158.223
-1894.61		1061.48	7.22548	-4.63212		3897.58	-155.022
-1900.05		1057.15	7.23132	-4.6285	3900.47	-151.821	
-1905.49		1052.81	7.23716	-4.62488		3903.35	-148.62
-1910.91		1048.46	7.24298	-4.62124		3906.22	-145.419
-1916.32		1044.11	7.24879	-4.6176	3909.09	-142.218	
-1921.71		1039.74	7.25459	-4.61395		3911.96	-139.016
-1927.1	1035.37	7.26038	-4.6103	3914.82	-135.815		
-1932.47		1031	7.26616	-4.60664		3917.67	-132.613
-1937.82		1026.61	7.27193	-4.60297		3920.52	-129.411
-1943.17		1022.22	7.27769	-4.5993	3923.37	-126.209	
-1948.5	1017.83	7.28343	-4.59561		3926.21	-123.007	
-1953.82		1013.43	7.28917	-4.59193		3929.05	-119.804
-1959.12		1009.02	7.29489	-4.58823		3931.89	-116.602
-1964.42		1004.6	7.3006	-4.58453		3934.71	-113.399
-1969.7	1000.18	7.3063	-4.58082		3937.54	-110.196	
-1974.97		995.746	7.31199	-4.57711		3940.36	-106.993
-1980.22		991.31	7.31767	-4.57339		3943.17	-103.79
-1985.47		986.868	7.32334	-4.56966		3945.98	-100.587
-1990.7	982.419	7.32899	-4.56593		3948.79	-97.3838	
-1995.91		977.965	7.33464	-4.56219		3951.59	-94.1804
-2001.12		973.503	7.34027	-4.55844		3954.39	-90.9769
-2006.31		969.036	7.3459	-4.55469		3957.18	-87.7733
-2011.49		964.563	7.35151	-4.55093		3959.97	-84.5696
-2016.66		960.083	7.35711	-4.54717		3962.75	-81.3659
-2021.81		955.598	7.3627	-4.5434	3965.53	-78.162	
-2026.95		951.107	7.36828	-4.53962		3968.31	-74.958
-2032.08		946.609	7.37385	-4.53584		3971.08	-71.754
-2037.2	942.106	7.37941	-4.53205		3973.84	-68.5499	
-2042.3	937.597	7.38495	-4.52826		3976.6	-65.3457	
-2047.4	933.082	7.39049	-4.52446		3979.36	-62.1415	

-2052.48	928.562	7.39601	-4.52066	3982.11	-58.9371
-2057.54	924.036	7.40153	-4.51685	3984.86	-55.7328
-2062.6	919.504	7.40703	-4.51303	3987.61	-52.5283
-2067.64	914.966	7.41252	-4.50921	3990.35	-49.3238
-2072.67	910.424	7.418	-4.50538	3993.08	-46.1193
-2077.69	905.875	7.42348	-4.50155	3995.81	-42.9147
-2082.69	901.321	7.42894	-4.49771	3998.54	-39.71
-2087.68	896.762	7.43438	-4.49387	4001.26	-36.5053
-2092.66	892.198	7.43982	-4.49002	4003.98	-33.3006
-2097.63	887.628	7.44525	-4.48617	4006.69	-30.0959
-2102.59	883.053	7.45067	-4.48231	4009.4	-26.8911
-2107.53	878.472	7.45607	-4.47844	4012.1	-23.6863
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-2117.38	869.296	7.46685	-4.4707	4017.5	-17.2766
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-2127.18	860.1	7.47759	-4.46293	4022.87	-10.8668
-2132.06	855.494	7.48294	-4.45904	4025.56	-7.66195
-2136.93	850.884	7.48828	-4.45515	4028.23	-4.45705
-2141.79	846.268	7.49361	-4.45125	4030.91	-1.25215
-2146.63	841.648	7.49893	-4.44735	4033.58	1.95274
-2151.46	837.023	7.50424	-4.44344	4036.24	5.15764
-2156.28	832.393	7.50954	-4.43952	4038.9	8.36252
-2161.09	827.759	7.51483	-4.4356	4041.56	11.5674
-2165.89	823.12	7.52011	-4.43168	4044.21	14.7722
-2170.67	818.476	7.52537	-4.42775	4046.86	17.9771
-2175.45	813.827	7.53063	-4.42382	4049.5	21.1819
-2180.21	809.174	7.53588	-4.41988	4052.14	24.3867
-2184.95	804.517	7.54111	-4.41594	4054.78	27.5915
-2189.69	799.855	7.54634	-4.412	4057.41	30.7962
-2194.41	795.189	7.55155	-4.40805	4060.03	34.0009
-2199.13	790.518	7.55676	-4.40409	4062.65	37.2055
-2203.83	785.843	7.56195	-4.40013	4065.27	40.4101
-2208.51	781.163	7.56713	-4.39617	4067.89	43.6147
-2213.19	776.48	7.57231	-4.3922	4070.5	46.8192
-2217.85	771.792	7.57747	-4.38823	4073.1	50.0237
-2222.51	767.1	7.58262	-4.38425	4075.7	53.2281
-2227.15	762.404	7.58776	-4.38027	4078.3	56.4325
-2231.78	757.704	7.59289	-4.37629	4080.89	59.6368
-2236.39	753	7.59801	-4.3723	4083.48	62.841
-2241	748.291	7.60313	-4.36831	4086.06	66.0452
-2245.59	743.579	7.60823	-4.36431	4088.64	69.2493
-2250.17	738.863	7.61332	-4.36031	4091.22	72.4533
-2254.74	734.143	7.6184	-4.35631	4093.79	75.6572
-2259.3	729.419	7.62346	-4.3523	4096.35	78.8611
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-2268.38	719.96	7.63357	-4.34427	4101.48	85.2685
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-2277.41	710.486	7.64364	-4.33623	4106.58	91.6757
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-2304.23	681.976	7.6736	-4.31201	4121.8	110.895
-2308.66	677.212	7.67856	-4.30796	4124.32	114.097
-2313.08	672.445	7.6835	-4.30391	4126.84	117.3
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-2321.88	662.901	7.69337	-4.29579	4131.86	123.705
-2326.26	658.123	7.69829	-4.29173	4134.36	126.907
-2330.64	653.343	7.70319	-4.28767	4136.86	130.109
-2335	648.559	7.70809	-4.2836	4139.36	133.311
-2339.35	643.772	7.71298	-4.27953	4141.85	136.513
-2343.68	638.982	7.71786	-4.27545	4144.34	139.715
-2348.01	634.189	7.72272	-4.27137	4146.82	142.917
-2352.33	629.393	7.72758	-4.26729	4149.31	146.118
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-2365.2	614.985	7.7421	-4.25503	4156.72	155.722
-2369.47	610.177	7.74692	-4.25093	4159.19	158.923
-2373.73	605.366	7.75172	-4.24684	4161.65	162.123
-2377.98	600.552	7.75652	-4.24274	4164.1	165.324
-2382.22	595.735	7.76131	-4.23863	4166.55	168.524
-2386.44	590.915	7.76609	-4.23453	4169	171.724
-2390.66	586.092	7.77086	-4.23042	4171.44	174.924
-2394.86	581.267	7.77562	-4.22631	4173.88	178.124
-2399.05	576.439	7.78037	-4.22219	4176.32	181.324
-2403.23	571.608	7.78511	-4.21808	4178.75	184.524
-2407.4	566.775	7.78984	-4.21396	4181.18	187.723
-2411.56	561.938	7.79457	-4.20984	4183.6	190.922
-2415.71	557.1	7.79928	-4.20571	4186.02	194.121
-2419.84	552.259	7.80398	-4.20158	4188.44	197.32
-2423.97	547.415	7.80867	-4.19745	4190.85	200.518
-2428.08	542.568	7.81335	-4.19332	4193.26	203.717
-2432.18	537.72	7.81803	-4.18919	4195.66	206.915
-2436.28	532.868	7.82269	-4.18505	4198.06	210.113
-2440.36	528.015	7.82735	-4.18091	4200.46	213.311
-2444.43	523.159	7.83199	-4.17677	4202.85	216.509
-2448.49	518.3	7.83663	-4.17262	4205.24	219.706
-2452.54	513.44	7.84125	-4.16847	4207.62	222.903
-2456.57	508.577	7.84587	-4.16432	4210	226.1
-2460.6	503.712	7.85048	-4.16017	4212.38	229.297
-2464.62	498.844	7.85507	-4.15602	4214.75	232.493
-2468.62	493.974	7.85966	-4.15186	4217.12	235.69
-2472.62	489.103	7.86424	-4.1477	4219.48	238.886
-2476.6	484.229	7.86881	-4.14354	4221.84	242.082
-2480.58	479.352	7.87337	-4.13938	4224.2	245.277
-2484.54	474.474	7.87792	-4.13521	4226.55	248.473
-2488.49	469.594	7.88246	-4.13104	4228.9	251.668
-2492.43	464.712	7.887	-4.12687	4231.24	254.863
-2496.36	459.827	7.89152	-4.1227	4233.58	258.058
-2500.28	454.941	7.89603	-4.11853	4235.92	261.252
-2504.19	450.053	7.90054	-4.11435	4238.25	264.446
-2508.09	445.162	7.90503	-4.11017	4240.58	267.64
-2511.98	440.27	7.90952	-4.10599	4242.9	270.834
-2515.86	435.376	7.914	-4.10181	4245.23	274.027
-2519.72	430.481	7.91847	-4.09763	4247.54	277.221
-2523.58	425.583	7.92292	-4.09344	4249.86	280.414
-2527.43	420.684	7.92737	-4.08925	4252.17	283.606
-2531.26	415.782	7.93182	-4.08507	4254.47	286.799
-2535.09	410.879	7.93625	-4.08087	4256.77	289.991
-2538.9	405.975	7.94067	-4.07668	4259.07	293.183
-2542.71	401.069	7.94508	-4.07249	4261.37	296.375
-2546.5	396.161	7.94949	-4.06829	4263.66	299.566
-2550.28	391.251	7.95388	-4.06409	4265.94	302.757

-2554.06	386.34	7.95827	-4.05989	4268.22	305.948
-2557.82	381.427	7.96265	-4.05569	4270.5	309.139
-2561.57	376.513	7.96702	-4.05149	4272.78	312.329
-2565.32	371.597	7.97138	-4.04728	4275.05	315.519
-2569.05	366.679	7.97573	-4.04307	4277.32	318.709
-2572.77	361.76	7.98007	-4.03886	4279.58	321.898
-2576.48	356.84	7.9844	-4.03465	4281.84	325.087
-2580.18	351.918	7.98873	-4.03044	4284.09	328.276
-2583.87	346.995	7.99304	-4.02623	4286.35	331.465
-2587.56	342.071	7.99735	-4.02202	4288.59	334.653
-2591.23	337.145	8.00165	-4.0178	4290.84	337.841
-2594.89	332.218	8.00594	-4.01358	4293.08	341.028
-2598.54	327.289	8.01022	-4.00936	4295.32	344.216
-2602.18	322.359	8.01449	-4.00514	4297.55	347.403
-2605.81	317.428	8.01875	-4.00092	4299.78	350.59
-2609.43	312.496	8.02301	-3.9967	4302	353.776
-2613.04	307.562	8.02726	-3.99248	4304.23	356.962
-2616.64	302.627	8.03149	-3.98825	4306.44	360.148
-2620.23	297.691	8.03572	-3.98402	4308.66	363.333
-2623.81	292.754	8.03994	-3.9798	4310.87	366.519
-2627.39	287.816	8.04415	-3.97557	4313.08	369.703
-2630.95	282.877	8.04836	-3.97134	4315.28	372.888
-2634.5	277.936	8.05255	-3.9671	4317.48	376.072
-2638.04	272.995	8.05674	-3.96287	4319.67	379.256
-2641.57	268.052	8.06091	-3.95864	4321.87	382.44
-2645.09	263.109	8.06508	-3.9544	4324.05	385.623
-2648.6	258.164	8.06924	-3.95017	4326.24	388.806
-2652.11	253.218	8.07339	-3.94593	4328.42	391.988
-2655.6	248.272	8.07754	-3.94169	4330.6	395.17
-2659.08	243.325	8.08167	-3.93745	4332.77	398.352
-2662.55	238.376	8.0858	-3.93321	4334.94	401.534
-2666.02	233.427	8.08992	-3.92897	4337.11	404.715
-2669.47	228.477	8.09402	-3.92472	4339.27	407.896
-2672.91	223.526	8.09813	-3.92048	4341.43	411.076
-2676.35	218.574	8.10222	-3.91624	4343.58	414.257
-2679.77	213.622	8.1063	-3.91199	4345.73	417.436
-2683.19	208.668	8.11038	-3.90774	4347.88	420.616
-2686.59	203.714	8.11445	-3.9035	4350.02	423.795
-2689.99	198.759	8.11851	-3.89925	4352.16	426.974
-2693.38	193.804	8.12256	-3.895	4354.3	430.152
-2696.75	188.847	8.12661	-3.89075	4356.43	433.33
-2700.12	183.89	8.13064	-3.8865	4358.56	436.507
-2703.48	178.933	8.13467	-3.88225	4360.69	439.685
-2706.83	173.975	8.13869	-3.878	4362.81	442.862
-2710.16	169.016	8.1427	-3.87374	4364.93	446.038
-2713.49	164.056	8.1467	-3.86949	4367.04	449.214
-2716.81	159.096	8.15069	-3.86523	4369.15	452.39
-2720.12	154.135	8.15468	-3.86098	4371.26	455.565
-2723.43	149.174	8.15866	-3.85672	4373.37	458.74
-2726.72	144.212	8.16263	-3.85247	4375.47	461.915
-2730	139.25	8.16659	-3.84821	4377.56	465.089
-2733.27	134.287	8.17055	-3.84395	4379.66	468.263
-2736.54	129.324	8.17449	-3.83969	4381.75	471.437
-2739.79	124.36	8.17843	-3.83543	4383.83	474.61
-2743.04	119.396	8.18236	-3.83117	4385.91	477.782
-2746.27	114.431	8.18628	-3.82691	4387.99	480.955
-2749.5	109.466	8.1902	-3.82265	4390.07	484.126

-2752.72	104.501	8.19411	-3.81839	4392.14	487.298
-2755.93	99.5353	8.198	-3.81413	4394.21	490.469
-2759.13	94.5692	8.20189	-3.80987	4396.27	493.64
-2762.32	89.6028	8.20578	-3.8056	4398.33	496.81
-2765.5	84.636	8.20965	-3.80134	4400.39	499.98
-2768.67	79.669	8.21352	-3.79708	4402.44	503.149
-2771.83	74.7017	8.21738	-3.79281	4404.49	506.318
-2774.99	69.7341	8.22123	-3.78855	4406.54	509.487
-2778.13	64.7662	8.22508	-3.78428	4408.58	512.655
-2781.27	59.7982	8.22891	-3.78002	4410.62	515.823
-2784.39	54.8299	8.23274	-3.77575	4412.66	518.991
-2787.51	49.8614	8.23656	-3.77149	4414.69	522.158
-2790.62	44.8928	8.24037	-3.76722	4416.72	525.324
-2793.72	39.924	8.24418	-3.76295	4418.74	528.49
-2796.81	34.955	8.24798	-3.75869	4420.76	531.656
-2799.89	29.9859	8.25177	-3.75442	4422.78	534.821
-2802.97	25.0167	8.25555	-3.75015	4424.8	537.986
-2806.03	20.0474	8.25932	-3.74589	4426.81	541.151
-2809.09	15.078	8.26309	-3.74162	4428.82	544.315
-2812.13	10.1085	8.26685	-3.73735	4430.82	547.478
-2815.17	5.13902	8.2706	-3.73308	4432.82	550.641
-2818.2	0.169478	8.27434	-3.72881	4434.82	553.804
-2821.22	-4.80009		8.27808	-3.72454	4436.81 556.966
-2824.23	-9.76965		8.28181	-3.72027	4438.8 560.128
-2827.24	-14.7392		8.28553	-3.71601	4440.79 563.29
-2830.23	-19.7087		8.28925	-3.71174	4442.77 566.451
-2833.22	-24.6782		8.29295	-3.70747	4444.75 569.611
-2836.19	-29.6477		8.29665	-3.7032	4446.73 572.771
-2839.16	-34.617	8.30035	-3.69893	4448.7	575.931
-2842.12	-39.5863		8.30403	-3.69466	4450.67 579.09
-2845.07	-44.5555		8.30771	-3.69039	4452.63 582.248
-2848.01	-49.5245		8.31138	-3.68612	4454.6 585.407
-2850.95	-54.4935		8.31504	-3.68185	4456.56 588.565
-2853.87	-59.4622		8.3187	-3.67758	4458.51 591.722
-2856.79	-64.4309		8.32234	-3.67331	4460.46 594.879
-2859.7	-69.3993	8.32599	-3.66904	4462.41	598.035
-2862.6	-74.3676	8.32962	-3.66477	4464.36	601.191
-2865.49	-79.3356		8.33325	-3.6605	4466.3 604.347
-2868.37	-84.3035		8.33686	-3.65623	4468.24 607.502
-2871.24	-89.2711		8.34048	-3.65196	4470.17 610.656
-2874.11	-94.2385		8.34408	-3.64769	4472.1 613.81
-2876.97	-99.2056		8.34768	-3.64342	4474.03 616.964
-2879.82	-104.172		8.35127	-3.63915	4475.96 620.117
-2882.66	-109.139		8.35485	-3.63488	4477.88 623.27
-2885.49	-114.105		8.35843	-3.63061	4479.8 626.422
-2888.31	-119.071		8.36199	-3.62635	4481.71 629.573
-2891.13	-124.037		8.36556	-3.62208	4483.62 632.725
-2893.94	-129.002		8.36911	-3.61781	4485.53 635.875
-2896.73	-133.967		8.37266	-3.61354	4487.44 639.026
-2899.52	-138.932		8.3762	-3.60927	4489.34 642.175
-2902.31	-143.896		8.37973	-3.605	4491.23 645.325
-2905.08	-148.86	8.38326	-3.60074	4493.13	648.474
-2907.85	-153.823		8.38678	-3.59647	4495.02 651.622
-2910.6	-158.786	8.39029	-3.5922	4496.91	654.77
-2913.35	-163.748		8.39379	-3.58793	4498.79 657.917
-2916.09	-168.711		8.39729	-3.58367	4500.67 661.064
-2918.83	-173.672		8.40078	-3.5794	4502.55 664.21

-2921.55	-178.633	8.40427	-3.57513	4504.42	667.356
-2924.27	-183.594	8.40774	-3.57087	4506.29	670.501
-2926.98	-188.554	8.41121	-3.5666	4508.16	673.646
-2929.68	-193.514	8.41468	-3.56234	4510.02	676.791
-2932.37	-198.473	8.41814	-3.55807	4511.88	679.934
-2935.06	-203.432	8.42159	-3.55381	4513.74	683.078
-2937.73	-208.39	8.42503	-3.54954	4515.59	686.22
-2940.4	-213.348	8.42846	-3.54528	4517.44	689.363
-2943.06	-218.305	8.43189	-3.54102	4519.29	692.505
-2945.71	-223.261	8.43532	-3.53675	4521.14	695.646
-2948.36	-228.217	8.43873	-3.53249	4522.98	698.787
-2951	-233.172	8.44214	-3.52823	4524.81	701.927
-2953.62	-238.127	8.44554	-3.52397	4526.65	705.067
-2956.24	-243.081	8.44894	-3.5197	4528.48	708.206
-2958.86	-248.034	8.45233	-3.51544	4530.3	711.344
-2961.46	-252.987	8.45571	-3.51118	4532.13	714.483
-2964.06	-257.939	8.45908	-3.50692	4533.95	717.62
-2966.65	-262.891	8.46245	-3.50266	4535.77	720.757
-2969.23	-267.841	8.46581	-3.4984	4537.58	723.894
-2971.8	-272.792	8.46917	-3.49415	4539.39	727.03
-2974.37	-277.741	8.47252	-3.48989	4541.2	730.166
-2976.93	-282.69	8.47586	-3.48563	4543	733.301
-2979.48	-287.637	8.4792	-3.48137	4544.8	736.435
-2982.02	-292.585	8.48253	-3.47712	4546.6	739.569
-2984.56	-297.531	8.48585	-3.47286	4548.4	742.703
-2987.08	-302.477	8.48917	-3.46861	4550.19	745.835
-2989.6	-307.422	8.49247	-3.46435	4551.98	748.968
-2992.11	-312.366	8.49578	-3.4601	4553.76	752.1
-2994.62	-317.309	8.49907	-3.45584	4555.54	755.231
-2997.11	-322.252	8.50236	-3.45159	4557.32	758.362
-2999.6	-327.194	8.50565	-3.44734	4559.09	761.492
-3002.08	-332.135	8.50892	-3.44308	4560.87	764.621
-3004.56	-337.075	8.51219	-3.43883	4562.63	767.75
-3007.02	-342.014	8.51546	-3.43458	4564.4	770.879
-3009.48	-346.953	8.51872	-3.43033	4566.16	774.007
-3011.93	-351.891	8.52197	-3.42608	4567.92	777.134
-3014.38	-356.827	8.52521	-3.42183	4569.68	780.261
-3016.81	-361.763	8.52845	-3.41759	4571.43	783.388
-3019.24	-366.698	8.53168	-3.41334	4573.18	786.513
-3021.66	-371.632	8.53491	-3.40909	4574.92	789.639
-3024.07	-376.566	8.53813	-3.40485	4576.67	792.763
-3026.48	-381.498	8.54134	-3.4006	4578.4	795.888
-3028.88	-386.429	8.54455	-3.39636	4580.14	799.011
-3031.27	-391.36	8.54775	-3.39211	4581.87	802.134
-3033.65	-396.289	8.55095	-3.38787	4583.6	805.257
-3036.03	-401.218	8.55413	-3.38363	4585.33	808.378
-3038.4	-406.146	8.55732	-3.37939	4587.05	811.5
-3040.76	-411.072	8.56049	-3.37515	4588.77	814.62
-3043.11	-415.998	8.56366	-3.37091	4590.49	817.741
-3045.46	-420.923	8.56682	-3.36667	4592.2	820.86
-3047.8	-425.846	8.56998	-3.36243	4593.91	823.979
-3050.13	-430.769	8.57313	-3.35819	4595.62	827.098
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-3054.78	-440.612	8.57942	-3.34972	4599.03	833.333
-3057.09	-445.531	8.58255	-3.34548	4600.72	836.45
-3059.39	-450.45	8.58568	-3.34125	4602.42	839.566
-3061.69	-455.367	8.5888	-3.33702	4604.11	842.681

-3063.98	-460.284	8.59191	-3.33278	4605.8	845.796
-3066.26	-465.199	8.59502	-3.32855	4607.48	848.911
-3068.53	-470.114	8.59812	-3.32432	4609.17	852.025
-3070.8	-475.027	8.60122	-3.32009	4610.85	855.138
-3073.06	-479.939	8.60431	-3.31586	4612.52	858.251
-3075.31	-484.85	8.60739	-3.31163	4614.19	861.363
-3077.56	-489.76	8.61047	-3.30741	4615.86	864.474
-3079.8	-494.669	8.61354	-3.30318	4617.53	867.585
-3082.03	-499.577	8.61661	-3.29895	4619.19	870.695
-3084.25	-504.484	8.61967	-3.29473	4620.85	873.805
-3086.47	-509.389	8.62272	-3.29051	4622.51	876.914
-3088.68	-514.293	8.62577	-3.28628	4624.16	880.023
-3090.89	-519.197	8.62882	-3.28206	4625.82	883.131
-3093.08	-524.099	8.63185	-3.27784	4627.46	886.238
-3095.27	-529	8.63488	-3.27362	4629.11	889.345
-3097.46	-533.899	8.63791	-3.2694	4630.75	892.451
-3099.63	-538.798	8.64093	-3.26518	4632.39	895.557
-3101.8	-543.695	8.64394	-3.26097	4634.02	898.661
-3103.96	-548.591	8.64695	-3.25675	4635.66	901.766
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-3108.26	-558.38	8.65295	-3.24832	4638.91	907.973
-3110.41	-563.272	8.65594	-3.24411	4640.53	911.075
-3112.54	-568.164	8.65892	-3.2399	4642.15	914.177
-3114.67	-573.054	8.6619	-3.23569	4643.77	917.279
-3116.79	-577.942	8.66487	-3.23148	4645.38	920.379
-3118.9	-582.83	8.66784	-3.22727	4646.99	923.479
-3121.01	-587.716	8.6708	-3.22306	4648.6	926.579
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-3125.2	-597.485	8.6767	-3.21465	4651.81	932.776
-3127.29	-602.367	8.67965	-3.21044	4653.41	935.874
-3129.37	-607.249	8.68259	-3.20624	4655	938.971
-3131.44	-612.128	8.68552	-3.20204	4656.59	942.067
-3133.51	-617.007	8.68845	-3.19783	4658.18	945.163
-3135.57	-621.884	8.69137	-3.19363	4659.77	948.258
-3137.62	-626.76	8.69429	-3.18943	4661.35	951.352
-3139.67	-631.635	8.6972	-3.18524	4662.93	954.446
-3141.71	-636.508	8.7001	-3.18104	4664.51	957.54
-3143.74	-641.38	8.703	-3.17684	4666.08	960.632
-3145.77	-646.251	8.70589	-3.17265	4667.65	963.724
-3147.79	-651.12	8.70878	-3.16845	4669.22	966.816
-3149.8	-655.988	8.71167	-3.16426	4670.79	969.906
-3151.81	-660.855	8.71454	-3.16007	4672.35	972.997
-3153.81	-665.72	8.71741	-3.15588	4673.91	976.086
-3155.8	-670.584	8.72028	-3.15169	4675.46	979.175
-3157.79	-675.446	8.72314	-3.1475	4677.02	982.263
-3159.77	-680.307	8.726	-3.14332	4678.57	985.351
-3161.74	-685.167	8.72885	-3.13913	4680.11	988.438
-3163.71	-690.025	8.73169	-3.13494	4681.66	991.524
-3165.67	-694.882	8.73453	-3.13076	4683.2	994.61
-3167.62	-699.738	8.73736	-3.12658	4684.74	997.695
-3169.57	-704.592	8.74019	-3.1224	4686.27	1000.78
-3171.51	-709.444	8.74302	-3.11822	4687.8	1003.86
-3173.45	-714.296	8.74583	-3.11404	4689.33	1006.95
-3175.38	-719.146	8.74865	-3.10986	4690.86	1010.03
-3177.3	-723.994	8.75145	-3.10568	4692.38	1013.11
-3179.21	-728.841	8.75425	-3.10151	4693.9	1016.19
-3181.12	-733.686	8.75705	-3.09734	4695.42	1019.27

-3183.03	-738.53	8.75984	-3.09316	4696.93	1022.35
-3184.92	-743.373		8.76263	-3.08899	4698.44
-3186.81	-748.214		8.76541	-3.08482	4699.95
-3188.7	-753.053	8.76818	-3.08065	4701.45	1031.59
-3190.57	-757.892		8.77095	-3.07649	4702.96
-3192.44	-762.728		8.77372	-3.07232	4704.45
-3194.31	-767.563		8.77647	-3.06815	4705.95
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-3198.02	-777.229		8.78198	-3.05983	4708.93
-3199.87	-782.06	8.78472	-3.05567	4710.42	1050.04
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-3205.37	-796.543		8.79292	-3.04319	4714.87
-3207.19	-801.367		8.79564	-3.03903	4716.34
-3209	-806.19	8.79836	-3.03488	4717.81	1065.4
-3210.81	-811.012		8.80107	-3.03073	4719.28
-3212.62	-815.832		8.80378	-3.02657	4720.75
-3214.41	-820.65	8.80648	-3.02242	4722.21	1074.61
-3216.2	-825.467	8.80918	-3.01827	4723.68	1077.68
-3217.99	-830.282		8.81187	-3.01412	4725.13
-3219.76	-835.096		8.81456	-3.00998	4726.59
-3221.54	-839.908		8.81724	-3.00583	4728.04
-3223.3	-844.719	8.81992	-3.00169	4729.49	1089.94
-3225.06	-849.528		8.82259	-2.99754	4730.94
-3226.82	-854.335		8.82526	-2.9934	4732.38
-3228.56	-859.141		8.82792	-2.98926	4733.82
-3230.3	-863.945	8.83058	-2.98512	4735.26	1102.2
-3232.04	-868.748		8.83323	-2.98098	4736.69
-3233.77	-873.549		8.83587	-2.97685	4738.12
-3235.49	-878.348		8.83852	-2.97271	4739.55
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-3240.63	-892.737		8.84641	-2.96032	4743.82
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-3250.74	-921.47	8.86207	-2.93556	4752.28	1138.9
-3252.4	-926.253	8.86466	-2.93144	4753.68	1141.95
-3254.06	-931.034		8.86725	-2.92732	4755.08
-3255.71	-935.814		8.86984	-2.9232	4756.48
-3257.36	-940.592		8.87241	-2.91909	4757.87
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-3263.89	-959.688		8.88268	-2.90263	4763.41
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-3268.72	-973.992		8.89032	-2.89031	4767.53
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-3281.37	-1012.06	8.91051	-2.85751	4778.4	1196.8
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-3298.16	-1064.22	8.93779	-2.81256	4793.06	1230.21
-3299.65	-1068.96	8.94024	-2.80848	4794.37	1233.24
-3301.14	-1073.69	8.94269	-2.80441	4795.69	1236.27
-3302.62	-1078.41	8.94513	-2.80033	4797	1239.31
-3304.1	-1083.14	8.94757	-2.79626	4798.3	1242.34
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-3307.04	-1092.59	8.95243	-2.78812	4800.91	1248.4
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-3324.2	-1149.12	8.98124	-2.73941	4816.31	1284.69
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-3419.87	-1519.04	9.15802	-2.42063	4909.18	1523.89
-3420.87	-1523.58	9.16008	-2.41671	4910.23	1526.85
-3421.87	-1528.12	9.16213	-2.4128	4911.29	1529.81
-3422.86	-1532.66	9.16417	-2.40889	4912.34	1532.76
-3423.85	-1537.2	9.16621	-2.40498	4913.39	1535.72

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-3480.14	-1836.61	9.29517	-2.14694	4977.93	1731.96
-3480.84	-1841.01	9.29698	-2.14315	4978.81	1734.86
-3481.53	-1845.4	9.29879	-2.13936	4979.69	1737.76
-3482.22	-1849.8	9.30059	-2.13557	4980.57	1740.66
-3482.91	-1854.19	9.3024	-2.13179	4981.44	1743.56
-3483.59	-1858.58	9.3042	-2.128	4982.31	1746.45
-3484.27	-1862.97	9.306	-2.12422	4983.18	1749.35
-3484.95	-1867.35	9.30779	-2.12044	4984.05	1752.25
-3485.62	-1871.74	9.30958	-2.11666	4984.91	1755.14
-3486.28	-1876.12	9.31137	-2.11289	4985.77	1758.04
-3486.95	-1880.5	9.31315	-2.10911	4986.63	1760.93
-3487.61	-1884.87	9.31494	-2.10534	4987.49	1763.82
-3488.26	-1889.25	9.31671	-2.10157	4988.35	1766.71
-3488.91	-1893.62	9.31849	-2.0978	4989.2	1769.61
-3489.56	-1897.99	9.32026	-2.09403	4990.05	1772.5
-3490.2	-1902.36	9.32203	-2.09027	4990.9	1775.39
-3490.84	-1906.73	9.3238	-2.0865	4991.74	1778.27
-3491.48	-1911.09	9.32556	-2.08274	4992.58	1781.16
-3492.11	-1915.46	9.32732	-2.07898	4993.42	1784.05
-3492.74	-1919.82	9.32908	-2.07522	4994.26	1786.93
-3493.36	-1924.17	9.33084	-2.07147	4995.1	1789.82
-3493.99	-1928.53	9.33259	-2.06771	4995.93	1792.7
-3494.6	-1932.88	9.33433	-2.06396	4996.76	1795.59
-3495.21	-1937.24	9.33608	-2.06021	4997.59	1798.47
-3495.82	-1941.59	9.33782	-2.05646	4998.42	1801.35
-3496.43	-1945.93	9.33956	-2.05271	4999.24	1804.23
-3497.03	-1950.28	9.3413	-2.04897	5000.06	1807.11
-3497.63	-1954.62	9.34303	-2.04522	5000.88	1809.99
-3498.22	-1958.96	9.34476	-2.04148	5001.7	1812.87
-3498.81	-1963.3	9.34649	-2.03774	5002.51	1815.75
-3499.4	-1967.64	9.34821	-2.034	5003.33	1818.62
-3499.98	-1971.98	9.34994	-2.03027	5004.14	1821.5
-3500.56	-1976.31	9.35165	-2.02653	5004.94	1824.37
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-3501.7	-1984.97	9.35508	-2.01907	5006.55	1830.12
-3502.27	-1989.3	9.35679	-2.01534	5007.35	1832.99
-3502.83	-1993.62	9.3585	-2.01161	5008.15	1835.87
-3503.39	-1997.94	9.3602	-2.00788	5008.95	1838.74
-3503.95	-2002.26	9.36191	-2.00416	5009.74	1841.61
-3504.5	-2006.58	9.3636	-2.00044	5010.53	1844.48
-3505.05	-2010.9	9.3653	-1.99672	5011.32	1847.34
-3505.6	-2015.21	9.36699	-1.993	5012.11	1850.21
-3506.14	-2019.52	9.36868	-1.98928	5012.89	1853.08
-3506.68	-2023.83	9.37037	-1.98557	5013.67	1855.94
-3507.21	-2028.14	9.37205	-1.98186	5014.45	1858.81
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-3509.31	-2045.35	9.37876	-1.96702	5017.55	1870.26
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-3519.82	-2139.39	9.41485	-1.88596	5033.93	1932.99
-3520.25	-2143.64	9.41646	-1.88229	5034.65	1935.83
-3520.68	-2147.89	9.41806	-1.87863	5035.36	1938.67
-3521.11	-2152.13	9.41967	-1.87497	5036.08	1941.51
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-3521.96	-2160.62	9.42286	-1.86765	5037.5	1947.19
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-3523.62	-2177.56	9.42923	-1.85305	5040.31	1958.53
-3524.02	-2181.79	9.43081	-1.8494	5041.01	1961.37
-3524.43	-2186.02	9.43239	-1.84575	5041.71	1964.2
-3524.82	-2190.25	9.43397	-1.84211	5042.4	1967.03
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-3527.14	-2215.56	9.44339	-1.82029	5046.52	1984
-3527.52	-2219.78	9.44495	-1.81665	5047.19	1986.83
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-3528.25	-2228.19	9.44807	-1.8094	5048.54	1992.48
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-3536.91	-2340.99	9.4891	-1.71214		5065.9 2068.39
-3537.19	-2345.13	9.49058	-1.70857		5066.51 2071.19
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-3464.27	-3684.65	9.89221	-0.550847	5157.76	3006.22
-3463.66	-3688.06	9.89306	-0.54789	5157.69	3008.68
-3463.05	-3691.46	9.8939	-0.544934	5157.62	3011.14
-3462.45	-3694.87	9.89475	-0.54198	5157.54	3013.6
-3461.83	-3698.27	9.8956	-0.539027	5157.47	3016.06
-3461.22	-3701.67	9.89644	-0.536076	5157.39	3018.52
-3460.61	-3705.07	9.89728	-0.533127	5157.31	3020.98
-3459.99	-3708.46	9.89812	-0.530179	5157.23	3023.43
-3459.37	-3711.86	9.89896	-0.527233	5157.15	3025.89
-3458.75	-3715.25	9.8998	-0.524289	5157.06	3028.34
-3458.13	-3718.64	9.90064	-0.521346	5156.98	3030.8
-3457.51	-3722.03	9.90147	-0.518405	5156.89	3033.25
-3456.88	-3725.42	9.90231	-0.515465	5156.8	3035.7
-3456.25	-3728.8	9.90314	-0.512527	5156.71	3038.15
-3455.62	-3732.18	9.90397	-0.509591	5156.62	3040.6
-3454.99	-3735.56	9.9048	-0.506656	5156.53	3043.05
-3454.36	-3738.94	9.90563	-0.503723	5156.43	3045.5
-3453.73	-3742.32	9.90646	-0.500792	5156.33	3047.94
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-3452.45	-3749.07	9.90812	-0.494934	5156.13	3052.83
-3451.81	-3752.44	9.90894	-0.492007	5156.03	3055.28
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-3450.52	-3759.17	9.91059	-0.486159	5155.82	3060.16
-3449.88	-3762.54	9.91141	-0.483237	5155.71	3062.6
-3449.23	-3765.9	9.91223	-0.480317	5155.6	3065.04
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-3441.32	-3806.1	9.92197	-0.445402	5154.16	3094.23
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-3421.15	-3902.08	9.94483	-0.361976	5149.7	3164.19
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-3411.63	-3944.58	9.95476	-0.325012	5147.25	3195.28
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-3277.59	-4426.34	10.0599	0.0955574	5097.42	3552.63
-3276.61	-4429.31	10.0605	0.0981529	5096.98	3554.86
-3275.63	-4432.27	10.0612	0.100747	5096.54	3557.08
-3274.65	-4435.22	10.0618	0.10334	5096.09	3559.31
-3273.66	-4438.18	10.0624	0.105931	5095.65	3561.53
-3272.68	-4441.13	10.063	0.10852	5095.2	3563.75
-3271.69	-4444.09	10.0636	0.111109	5094.75	3565.97
-3270.7	-4447.04	10.0642	0.113695	5094.3	3568.19
-3269.72	-4449.99	10.0648	0.11628	5093.85	3570.41
-3268.73	-4452.93	10.0654	0.118864	5093.4	3572.62
-3267.73	-4455.88	10.066	0.121447	5092.94	3574.84
-3266.74	-4458.82	10.0666	0.124027	5092.49	3577.05
-3265.75	-4461.76	10.0672	0.126607	5092.03	3579.27
-3264.75	-4464.7	10.0678	0.129185	5091.57	3581.48
-3263.75	-4467.64	10.0684	0.131761	5091.11	3583.69
-3262.75	-4470.58	10.069	0.134336	5090.65	3585.9
-3261.75	-4473.51	10.0695	0.136909	5090.18	3588.11
-3260.75	-4476.44	10.0701	0.139481	5089.72	3590.32
-3259.75	-4479.37	10.0707	0.142052	5089.25	3592.53
-3258.75	-4482.3	10.0713	0.144621	5088.78	3594.73
-3257.74	-4485.23	10.0719	0.147189	5088.31	3596.94
-3256.74	-4488.15	10.0725	0.149755	5087.84	3599.14
-3255.73	-4491.07	10.0731	0.152319	5087.37	3601.35
-3254.72	-4494	10.0737	0.154883	5086.9	3603.55
-3253.71	-4496.91	10.0743	0.157444	5086.42	3605.75

-3252.7	-4499.83	10.0749	0.160005	5085.95	3607.95
-3251.68	-4502.75	10.0754	0.162564	5085.47	3610.15
-3250.67	-4505.66	10.076	0.165121	5084.99	3612.35
-3249.65	-4508.57	10.0766	0.167677	5084.51	3614.54
-3248.64	-4511.48	10.0772	0.170231	5084.03	3616.74
-3247.62	-4514.39	10.0778	0.172784	5083.54	3618.93
-3246.6	-4517.3	10.0784	0.175336	5083.06	3621.13
-3245.58	-4520.2	10.0789	0.177886	5082.57	3623.32
-3244.55	-4523.11	10.0795	0.180434	5082.08	3625.51
-3243.53	-4526.01	10.0801	0.182982	5081.59	3627.7
-3242.5	-4528.91	10.0807	0.185527	5081.1	3629.89
-3241.48	-4531.8	10.0813	0.188072	5080.61	3632.08
-3240.45	-4534.7	10.0818	0.190614	5080.11	3634.27
-3239.42	-4537.59	10.0824	0.193156	5079.62	3636.46
-3238.39	-4540.48	10.083	0.195696	5079.12	3638.64
-3237.36	-4543.37	10.0836	0.198234	5078.62	3640.82
-3236.33	-4546.26	10.0841	0.200771	5078.12	3643.01
-3235.29	-4549.15	10.0847	0.203307	5077.62	3645.19
-3234.26	-4552.03	10.0853	0.205841	5077.12	3647.37
-3233.22	-4554.92	10.0859	0.208373	5076.61	3649.55
-3232.18	-4557.8	10.0864	0.210905	5076.11	3651.73
-3231.14	-4560.67	10.087	0.213434	5075.6	3653.91
-3230.1	-4563.55	10.0876	0.215963	5075.09	3656.09
-3229.06	-4566.43	10.0881	0.218489	5074.58	3658.26
-3228.02	-4569.3	10.0887	0.221015	5074.07	3660.44
-3226.97	-4572.17	10.0893	0.223539	5073.56	3662.61
-3225.92	-4575.04	10.0898	0.226061	5073.04	3664.78
-3224.88	-4577.91	10.0904	0.228582	5072.53	3666.95
-3223.83	-4580.78	10.091	0.231102	5072.01	3669.13
-3222.78	-4583.64	10.0915	0.23362	5071.49	3671.3
-3221.73	-4586.5	10.0921	0.236137	5070.97	3673.46
-3220.68	-4589.37	10.0927	0.238652	5070.45	3675.63
-3219.62	-4592.22	10.0932	0.241166	5069.92	3677.8
-3218.57	-4595.08	10.0938	0.243678	5069.4	3679.96
-3217.51	-4597.94	10.0943	0.246189	5068.87	3682.13
-3216.45	-4600.79	10.0949	0.248699	5068.34	3684.29
-3215.39	-4603.64	10.0955	0.251207	5067.81	3686.45
-3214.33	-4606.49	10.096	0.253714	5067.28	3688.61
-3213.27	-4609.34	10.0966	0.256219	5066.75	3690.77
-3212.21	-4612.19	10.0971	0.258723	5066.22	3692.93
-3211.15	-4615.03	10.0977	0.261225	5065.68	3695.09
-3210.08	-4617.87	10.0982	0.263726	5065.15	3697.25
-3209.01	-4620.71	10.0988	0.266225	5064.61	3699.4
-3207.95	-4623.55	10.0994	0.268723	5064.07	3701.56
-3206.88	-4626.39	10.0999	0.27122	5063.53	3703.71
-3205.81	-4629.23	10.1005	0.273715	5062.99	3705.87
-3204.74	-4632.06	10.101	0.276209	5062.44	3708.02
-3203.66	-4634.89	10.1016	0.278701	5061.9	3710.17
-3202.59	-4637.72	10.1021	0.281192	5061.35	3712.32
-3201.51	-4640.55	10.1027	0.283681	5060.81	3714.47
-3200.44	-4643.38	10.1032	0.286169	5060.26	3716.61
-3199.36	-4646.2	10.1038	0.288656	5059.71	3718.76
-3198.28	-4649.02	10.1043	0.291141	5059.15	3720.91
-3197.2	-4651.84	10.1048	0.293625	5058.6	3723.05
-3196.12	-4654.66	10.1054	0.296107	5058.04	3725.19
-3195.04	-4657.48	10.1059	0.298588	5057.49	3727.34
-3193.95	-4660.3	10.1065	0.301068	5056.93	3729.48

-3192.87	-4663.11	10.107	0.303546	5056.37	3731.62
-3191.78	-4665.92	10.1076	0.306022	5055.81	3733.76
-3190.69	-4668.73	10.1081	0.308497	5055.25	3735.89
-3189.61	-4671.54	10.1087	0.310971	5054.68	3738.03
-3188.52	-4674.35	10.1092	0.313443	5054.12	3740.17
-3187.42	-4677.15	10.1097	0.315914	5053.55	3742.3
-3186.33	-4679.96	10.1103	0.318384	5052.98	3744.44
-3185.24	-4682.76	10.1108	0.320852	5052.42	3746.57
-3184.14	-4685.56	10.1113	0.323318	5051.84	3748.7
-3183.05	-4688.35	10.1119	0.325784	5051.27	3750.83
-3181.95	-4691.15	10.1124	0.328247	5050.7	3752.96
-3180.85	-4693.94	10.113	0.33071	5050.12	3755.09
-3179.75	-4696.73	10.1135	0.333171	5049.55	3757.22
-3178.65	-4699.53	10.114	0.33563	5048.97	3759.34
-3177.55	-4702.31	10.1146	0.338088	5048.39	3761.47
-3176.44	-4705.1	10.1151	0.340545	5047.81	3763.59
-3175.34	-4707.89	10.1156	0.343	5047.23	3765.72
-3174.23	-4710.67	10.1162	0.345454	5046.64	3767.84
-3173.13	-4713.45	10.1167	0.347906	5046.06	3769.96
-3172.02	-4716.23	10.1172	0.350358	5045.47	3772.08
-3170.91	-4719.01	10.1177	0.352807	5044.88	3774.2
-3169.8	-4721.78	10.1183	0.355255	5044.29	3776.32
-3168.68	-4724.56	10.1188	0.357702	5043.7	3778.43
-3167.57	-4727.33	10.1193	0.360147	5043.11	3780.55
-3166.46	-4730.1	10.1198	0.362591	5042.52	3782.66
-3165.34	-4732.87	10.1204	0.365034	5041.92	3784.78
-3164.22	-4735.64	10.1209	0.367475	5041.33	3786.89
-3163.11	-4738.4	10.1214	0.369915	5040.73	3789
-3161.99	-4741.17	10.1219	0.372353	5040.13	3791.11
-3160.87	-4743.93	10.1225	0.37479	5039.53	3793.22
-3159.74	-4746.69	10.123	0.377226	5038.93	3795.33
-3158.62	-4749.45	10.1235	0.37966	5038.32	3797.44
-3157.5	-4752.2	10.124	0.382092	5037.72	3799.54
-3156.37	-4754.96	10.1246	0.384524	5037.11	3801.65
-3155.25	-4757.71	10.1251	0.386953	5036.51	3803.75
-3154.12	-4760.46	10.1256	0.389382	5035.9	3805.86
-3152.99	-4763.21	10.1261	0.391809	5035.29	3807.96
-3151.86	-4765.96	10.1266	0.394235	5034.68	3810.06
-3150.73	-4768.7	10.1271	0.396659	5034.06	3812.16
-3149.6	-4771.45	10.1277	0.399082	5033.45	3814.26
-3148.46	-4774.19	10.1282	0.401503	5032.83	3816.35
-3147.33	-4776.93	10.1287	0.403923	5032.21	3818.45
-3146.19	-4779.67	10.1292	0.406342	5031.6	3820.55
-3145.06	-4782.4	10.1297	0.408759	5030.98	3822.64
-3143.92	-4785.14	10.1302	0.411175	5030.35	3824.73
-3142.78	-4787.87	10.1307	0.413589	5029.73	3826.83
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-3140.5	-4793.33	10.1318	0.418414	5028.48	3831.01
-3139.35	-4796.06	10.1323	0.420824	5027.85	3833.1
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-3135.92	-4804.23	10.1338	0.428047	5025.96	3839.36
-3134.77	-4806.95	10.1343	0.430451	5025.33	3841.44
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-3124.39	-4831.36	10.1388	0.452031	5019.57	3860.16
-3123.23	-4834.06	10.1393	0.454422	5018.93	3862.23
-3122.07	-4836.76	10.1398	0.456811	5018.28	3864.31
-3120.91	-4839.46	10.1403	0.459199	5017.63	3866.38
-3119.74	-4842.16	10.1408	0.461585	5016.98	3868.45
-3118.58	-4844.86	10.1413	0.463971	5016.33	3870.52
-3117.42	-4847.55	10.1418	0.466354	5015.67	3872.59
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-3113.91	-4855.62	10.1433	0.473498	5013.7	3878.79
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-3091.5	-4906.38	10.1526	0.518449	5000.94	3917.83
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-3085.54	-4919.63	10.155	0.530196	4997.5	3928.04
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-3083.14	-4924.91	10.156	0.534885	4996.12	3932.12
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-3006.81	-5085.38	10.1845	0.677555	4950.49	4056.36
-3005.54	-5087.92	10.1849	0.679813	4949.71	4058.33
-3004.28	-5090.45	10.1854	0.682071	4948.93	4060.29
-3003.01	-5092.98	10.1858	0.684327	4948.15	4062.26
-3001.74	-5095.51	10.1863	0.686582	4947.37	4064.23
-3000.47	-5098.03	10.1867	0.688835	4946.58	4066.19
-2999.2	-5100.56	10.1871	0.691087	4945.8	4068.16
-2997.93	-5103.08	10.1876	0.693338	4945.01	4070.12
-2996.66	-5105.6	10.188	0.695587	4944.23	4072.08
-2995.39	-5108.12	10.1885	0.697836	4943.44	4074.04
-2994.12	-5110.64	10.1889	0.700082	4942.65	4076
-2992.84	-5113.16	10.1893	0.702328	4941.85	4077.96
-2991.57	-5115.67	10.1898	0.704572	4941.06	4079.92

-2990.29	-5118.19	10.1902	0.706815	4940.27	4081.88
-2989.01	-5120.7	10.1906	0.709056	4939.47	4083.83
-2987.73	-5123.21	10.1911	0.711296	4938.68	4085.79
-2986.46	-5125.71	10.1915	0.713535	4937.88	4087.74
-2985.17	-5128.22	10.1919	0.715773	4937.08	4089.69
-2983.89	-5130.72	10.1924	0.718009	4936.28	4091.64
-2982.61	-5133.23	10.1928	0.720244	4935.48	4093.59
-2981.33	-5135.73	10.1932	0.722477	4934.67	4095.54
-2980.04	-5138.23	10.1937	0.724709	4933.87	4097.49
-2978.76	-5140.73	10.1941	0.72694	4933.06	4099.44
-2977.47	-5143.22	10.1945	0.72917	4932.26	4101.38
-2976.18	-5145.72	10.195	0.731398	4931.45	4103.33
-2974.9	-5148.21	10.1954	0.733625	4930.64	4105.27
-2973.61	-5150.7	10.1958	0.735851	4929.83	4107.21
-2972.32	-5153.19	10.1962	0.738075	4929.01	4109.16
-2971.02	-5155.68	10.1967	0.740298	4928.2	4111.1
-2969.73	-5158.16	10.1971	0.742519	4927.39	4113.03
-2968.44	-5160.65	10.1975	0.74474	4926.57	4114.97
-2967.14	-5163.13	10.198	0.746959	4925.75	4116.91
-2965.85	-5165.61	10.1984	0.749176	4924.93	4118.85
-2964.55	-5168.09	10.1988	0.751393	4924.11	4120.78
-2963.25	-5170.56	10.1992	0.753608	4923.29	4122.71
-2961.96	-5173.04	10.1997	0.755822	4922.47	4124.65
-2960.66	-5175.51	10.2001	0.758034	4921.65	4126.58
-2959.36	-5177.99	10.2005	0.760245	4920.82	4128.51
-2958.06	-5180.46	10.2009	0.762455	4919.99	4130.44
-2956.75	-5182.92	10.2013	0.764663	4919.17	4132.37
-2955.45	-5185.39	10.2018	0.76687	4918.34	4134.29
-2954.15	-5187.86	10.2022	0.769076	4917.51	4136.22
-2952.84	-5190.32	10.2026	0.771281	4916.67	4138.14
-2951.53	-5192.78	10.203	0.773484	4915.84	4140.07
-2950.23	-5195.24	10.2034	0.775686	4915.01	4141.99
-2948.92	-5197.7	10.2039	0.777887	4914.17	4143.91
-2947.61	-5200.16	10.2043	0.780086	4913.33	4145.83
-2946.3	-5202.61	10.2047	0.782284	4912.49	4147.75
-2944.99	-5205.07	10.2051	0.784481	4911.65	4149.67
-2943.68	-5207.52	10.2055	0.786676	4910.81	4151.59
-2942.36	-5209.97	10.206	0.78887	4909.97	4153.5
-2941.05	-5212.42	10.2064	0.791063	4909.13	4155.42
-2939.74	-5214.86	10.2068	0.793254	4908.28	4157.33
-2938.42	-5217.31	10.2072	0.795444	4907.44	4159.25
-2937.1	-5219.75	10.2076	0.797633	4906.59	4161.16
-2935.79	-5222.19	10.208	0.799821	4905.74	4163.07
-2934.47	-5224.63	10.2084	0.802007	4904.89	4164.98
-2933.15	-5227.07	10.2089	0.804192	4904.04	4166.89
-2931.83	-5229.5	10.2093	0.806376	4903.19	4168.79
-2930.51	-5231.94	10.2097	0.808558	4902.33	4170.7
-2929.18	-5234.37	10.2101	0.810739	4901.48	4172.6
-2927.86	-5236.8	10.2105	0.812919	4900.62	4174.51
-2926.54	-5239.23	10.2109	0.815097	4899.76	4176.41
-2925.21	-5241.66	10.2113	0.817274	4898.9	4178.31
-2923.88	-5244.09	10.2117	0.81945	4898.04	4180.21
-2922.56	-5246.51	10.2121	0.821625	4897.18	4182.11
-2921.23	-5248.93	10.2126	0.823798	4896.32	4184.01
-2919.9	-5251.35	10.213	0.82597	4895.46	4185.91
-2918.57	-5253.77	10.2134	0.828141	4894.59	4187.81
-2917.24	-5256.19	10.2138	0.83031	4893.72	4189.7

-2915.91	-5258.61	10.2142	0.832478	4892.85	4191.6
-2914.57	-5261.02	10.2146	0.834645	4891.99	4193.49
-2913.24	-5263.43	10.215	0.83681	4891.11	4195.38
-2911.91	-5265.85	10.2154	0.838974	4890.24	4197.27
-2910.57	-5268.25	10.2158	0.841137	4889.37	4199.16
-2909.23	-5270.66	10.2162	0.843299	4888.5	4201.05
-2907.9	-5273.07	10.2166	0.845459	4887.62	4202.94
-2906.56	-5275.47	10.217	0.847618	4886.74	4204.82
-2905.22	-5277.87	10.2174	0.849776	4885.86	4206.71
-2903.88	-5280.28	10.2178	0.851932	4884.98	4208.59
-2902.54	-5282.67	10.2182	0.854087	4884.1	4210.48
-2901.19	-5285.07	10.2186	0.856241	4883.22	4212.36
-2899.85	-5287.47	10.219	0.858394	4882.34	4214.24
-2898.51	-5289.86	10.2194	0.860545	4881.45	4216.12
-2897.16	-5292.25	10.2198	0.862695	4880.57	4218
-2895.82	-5294.64	10.2202	0.864844	4879.68	4219.88
-2894.47	-5297.03	10.2206	0.866991	4878.79	4221.75
-2893.12	-5299.42	10.221	0.869137	4877.9	4223.63
-2891.77	-5301.81	10.2214	0.871282	4877.01	4225.5
-2890.42	-5304.19	10.2218	0.873425	4876.12	4227.38
-2889.07	-5306.57	10.2222	0.875568	4875.22	4229.25
-2887.72	-5308.95	10.2226	0.877709	4874.33	4231.12
-2886.37	-5311.33	10.223	0.879848	4873.43	4232.99
-2885.02	-5313.71	10.2234	0.881987	4872.54	4234.86
-2883.66	-5316.08	10.2238	0.884124	4871.64	4236.73
-2882.31	-5318.46	10.2242	0.88626	4870.74	4238.59
-2880.95	-5320.83	10.2246	0.888394	4869.84	4240.46
-2879.59	-5323.2	10.225	0.890527	4868.93	4242.32
-2878.24	-5325.57	10.2254	0.892659	4868.03	4244.18
-2876.88	-5327.94	10.2258	0.89479	4867.12	4246.05
-2875.52	-5330.3	10.2262	0.89692	4866.22	4247.91
-2874.16	-5332.67	10.2266	0.899048	4865.31	4249.77
-2872.8	-5335.03	10.2269	0.901175	4864.4	4251.63
-2871.43	-5337.39	10.2273	0.9033	4863.49	4253.48
-2870.07	-5339.75	10.2277	0.905424	4862.58	4255.34
-2868.71	-5342.11	10.2281	0.907547	4861.67	4257.2
-2867.34	-5344.46	10.2285	0.909669	4860.75	4259.05
-2865.97	-5346.81	10.2289	0.91179	4859.84	4260.9
-2864.61	-5349.17	10.2293	0.913909	4858.92	4262.76
-2863.24	-5351.52	10.2297	0.916027	4858	4264.61
-2861.87	-5353.87	10.2301	0.918143	4857.08	4266.46
-2860.5	-5356.21	10.2304	0.920259	4856.16	4268.31
-2859.13	-5358.56	10.2308	0.922373	4855.24	4270.15
-2857.76	-5360.9	10.2312	0.924486	4854.32	4272
-2856.39	-5363.24	10.2316	0.926597	4853.4	4273.85
-2855.01	-5365.58	10.232	0.928708	4852.47	4275.69
-2853.64	-5367.92	10.2324	0.930817	4851.54	4277.53
-2852.27	-5370.26	10.2328	0.932924	4850.62	4279.38
-2850.89	-5372.6	10.2332	0.935031	4849.69	4281.22
-2849.51	-5374.93	10.2335	0.937136	4848.76	4283.06
-2848.14	-5377.26	10.2339	0.93924	4847.83	4284.9
-2846.76	-5379.59	10.2343	0.941342	4846.89	4286.73
-2845.38	-5381.92	10.2347	0.943444	4845.96	4288.57
-2844	-5384.25	10.2351	0.945544	4845.02	4290.4
-2842.62	-5386.57	10.2354	0.947643	4844.09	4292.24
-2841.23	-5388.9	10.2358	0.94974	4843.15	4294.07
-2839.85	-5391.22	10.2362	0.951837	4842.21	4295.9

-2838.47	-5393.54	10.2366	0.953932	4841.27	4297.74
-2837.08	-5395.86	10.237	0.956025	4840.33	4299.57
-2835.7	-5398.18	10.2374	0.958118	4839.38	4301.39
-2834.31	-5400.49	10.2377	0.960209	4838.44	4303.22
-2832.92	-5402.8	10.2381	0.962299	4837.5	4305.05
-2831.54	-5405.12	10.2385	0.964388	4836.55	4306.87
-2830.15	-5407.43	10.2389	0.966475	4835.6	4308.7
-2828.76	-5409.74	10.2392	0.968562	4834.65	4310.52
-2827.37	-5412.04	10.2396	0.970646	4833.7	4312.34
-2825.97	-5414.35	10.24	0.97273	4832.75	4314.17
-2824.58	-5416.65	10.2404	0.974813	4831.8	4315.98
-2823.19	-5418.95	10.2408	0.976894	4830.84	4317.8
-2821.79	-5421.25	10.2411	0.978974	4829.89	4319.62
-2820.4	-5423.55	10.2415	0.981052	4828.93	4321.44
-2819	-5425.85	10.2419	0.98313	4827.97	4323.25
-2817.61	-5428.15	10.2423	0.985206	4827.01	4325.07
-2816.21	-5430.44	10.2426	0.98728	4826.05	4326.88
-2814.81	-5432.73	10.243	0.989354	4825.09	4328.69
-2813.41	-5435.02	10.2434	0.991426	4824.13	4330.5
-2812.01	-5437.31	10.2437	0.993497	4823.17	4332.31
-2810.61	-5439.6	10.2441	0.995567	4822.2	4334.12
-2809.21	-5441.88	10.2445	0.997636	4821.23	4335.93
-2807.8	-5444.17	10.2449	0.999703	4820.27	4337.74
-2806.4	-5446.45	10.2452	1.00177	4819.3	4339.54
-2805	-5448.73	10.2456	1.00383	4818.33	4341.35
-2803.59	-5451.01	10.246	1.0059	4817.35	4343.15
-2802.18	-5453.29	10.2463	1.00796	4816.38	4344.95
-2800.78	-5455.56	10.2467	1.01002	4815.41	4346.75
-2799.37	-5457.84	10.2471	1.01208	4814.43	4348.55
-2797.96	-5460.11	10.2474	1.01414	4813.46	4350.35
-2796.55	-5462.38	10.2478	1.0162	4812.48	4352.15
-2795.14	-5464.65	10.2482	1.01825	4811.5	4353.94
-2793.73	-5466.92	10.2486	1.02031	4810.52	4355.74
-2792.32	-5469.18	10.2489	1.02236	4809.54	4357.53
-2790.9	-5471.45	10.2493	1.02441	4808.56	4359.33
-2789.49	-5473.71	10.2497	1.02646	4807.57	4361.12
-2788.08	-5475.97	10.25	1.02851	4806.59	4362.91
-2786.66	-5478.23	10.2504	1.03056	4805.6	4364.7
-2785.24	-5480.49	10.2507	1.03261	4804.61	4366.49
-2783.83	-5482.74	10.2511	1.03466	4803.62	4368.28
-2782.41	-5485	10.2515	1.0367	4802.63	4370.06
-2780.99	-5487.25	10.2518	1.03874	4801.64	4371.85
-2779.57	-5489.5	10.2522	1.04079	4800.65	4373.63
-2778.15	-5491.75	10.2526	1.04283	4799.66	4375.42
-2776.73	-5494	10.2529	1.04487	4798.66	4377.2
-2775.3	-5496.24	10.2533	1.04691	4797.67	4378.98
-2773.88	-5498.49	10.2537	1.04894	4796.67	4380.76
-2772.46	-5500.73	10.254	1.05098	4795.67	4382.54
-2771.03	-5502.97	10.2544	1.05301	4794.67	4384.31
-2769.61	-5505.21	10.2547	1.05505	4793.67	4386.09
-2768.18	-5507.45	10.2551	1.05708	4792.67	4387.86
-2766.75	-5509.68	10.2555	1.05911	4791.66	4389.64
-2765.33	-5511.92	10.2558	1.06114	4790.66	4391.41
-2763.9	-5514.15	10.2562	1.06317	4789.65	4393.18
-2762.47	-5516.38	10.2565	1.0652	4788.64	4394.95
-2761.04	-5518.61	10.2569	1.06722	4787.64	4396.72
-2759.6	-5520.84	10.2572	1.06925	4786.63	4398.49

-2758.17	-5523.07	10.2576	1.07127	4785.62	4400.26
-2756.74	-5525.29	10.258	1.07329	4784.6	4402.02
-2755.31	-5527.51	10.2583	1.07532	4783.59	4403.79
-2753.87	-5529.73	10.2587	1.07734	4782.58	4405.55
-2752.44	-5531.95	10.259	1.07935	4781.56	4407.32
-2751	-5534.17	10.2594	1.08137	4780.54	4409.08
-2749.56	-5536.39	10.2597	1.08339	4779.52	4410.84
-2748.12	-5538.6	10.2601	1.0854	4778.51	4412.6
-2746.68	-5540.82	10.2604	1.08742	4777.48	4414.36
-2745.25	-5543.03	10.2608	1.08943	4776.46	4416.11
-2743.8	-5545.24	10.2612	1.09144	4775.44	4417.87
-2742.36	-5547.45	10.2615	1.09345	4774.42	4419.62
-2740.92	-5549.65	10.2619	1.09546	4773.39	4421.38
-2739.48	-5551.86	10.2622	1.09747	4772.36	4423.13
-2738.03	-5554.06	10.2626	1.09947	4771.34	4424.88
-2736.59	-5556.26	10.2629	1.10148	4770.31	4426.63
-2735.15	-5558.46	10.2633	1.10348	4769.28	4428.38
-2733.7	-5560.66	10.2636	1.10549	4768.24	4430.13
-2732.25	-5562.86	10.264	1.10749	4767.21	4431.88
-2730.8	-5565.05	10.2643	1.10949	4766.18	4433.62
-2729.36	-5567.25	10.2647	1.11149	4765.14	4435.37
-2727.91	-5569.44	10.265	1.11348	4764.11	4437.11
-2726.46	-5571.63	10.2654	1.11548	4763.07	4438.85
-2725.01	-5573.82	10.2657	1.11748	4762.03	4440.59
-2723.55	-5576	10.2661	1.11947	4760.99	4442.33
-2722.1	-5578.19	10.2664	1.12146	4759.95	4444.07
-2720.65	-5580.37	10.2668	1.12345	4758.91	4445.81
-2719.19	-5582.56	10.2671	1.12544	4757.86	4447.55
-2717.74	-5584.74	10.2675	1.12743	4756.82	4449.28
-2716.28	-5586.92	10.2678	1.12942	4755.77	4451.02
-2714.83	-5589.09	10.2681	1.13141	4754.72	4452.75
-2713.37	-5591.27	10.2685	1.13339	4753.68	4454.48
-2711.91	-5593.44	10.2688	1.13538	4752.63	4456.22
-2710.45	-5595.61	10.2692	1.13736	4751.57	4457.95
-2708.99	-5597.79	10.2695	1.13934	4750.52	4459.67
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-2706.07	-5602.12	10.2702	1.1433	4748.41	4463.13
-2704.61	-5604.29	10.2706	1.14528	4747.36	4464.85
-2703.15	-5606.45	10.2709	1.14726	4746.3	4466.58
-2701.68	-5608.61	10.2712	1.14923	4745.24	4468.3
-2700.22	-5610.78	10.2716	1.15121	4744.18	4470.02
-2698.75	-5612.94	10.2719	1.15318	4743.12	4471.74
-2697.29	-5615.09	10.2723	1.15515	4742.06	4473.46
-2695.82	-5617.25	10.2726	1.15713	4741	4475.18
-2694.35	-5619.4	10.273	1.1591	4739.94	4476.9
-2692.88	-5621.56	10.2733	1.16106	4738.87	4478.62
-2691.42	-5623.71	10.2736	1.16303	4737.8	4480.33
-2689.95	-5625.86	10.274	1.165	4736.74	4482.05
-2688.48	-5628	10.2743	1.16696	4735.67	4483.76
-2687	-5630.15	10.2747	1.16893	4734.6	4485.47
-2685.53	-5632.3	10.275	1.17089	4733.52	4487.18
-2684.06	-5634.44	10.2753	1.17285	4732.45	4488.89
-2682.58	-5636.58	10.2757	1.17481	4731.38	4490.6
-2681.11	-5638.72	10.276	1.17677	4730.3	4492.31
-2679.64	-5640.86	10.2763	1.17873	4729.23	4494.01
-2678.16	-5643	10.2767	1.18068	4728.15	4495.72
-2676.68	-5645.13	10.277	1.18264	4727.07	4497.42

-2675.2	-5647.26	10.2774	1.18459	4725.99	4499.13
-2673.73	-5649.4	10.2777	1.18654	4724.91	4500.83
-2672.25	-5651.53	10.278	1.18849	4723.83	4502.53
-2670.77	-5653.66	10.2784	1.19045	4722.75	4504.23
-2669.29	-5655.78	10.2787	1.19239	4721.66	4505.93
-2667.8	-5657.91	10.279	1.19434	4720.58	4507.62
-2666.32	-5660.03	10.2794	1.19629	4719.49	4509.32
-2664.84	-5662.15	10.2797	1.19823	4718.4	4511.01
-2663.36	-5664.27	10.28	1.20018	4717.31	4512.71
-2661.87	-5666.39	10.2804	1.20212	4716.22	4514.4
-2660.39	-5668.51	10.2807	1.20406	4715.13	4516.09
-2658.9	-5670.63	10.281	1.206	4714.04	4517.78
-2657.41	-5672.74	10.2814	1.20794	4712.94	4519.47
-2655.93	-5674.85	10.2817	1.20988	4711.85	4521.16
-2654.44	-5676.96	10.282	1.21182	4710.75	4522.85
-2652.95	-5679.07	10.2824	1.21375	4709.65	4524.53
-2651.46	-5681.18	10.2827	1.21569	4708.56	4526.22
-2649.97	-5683.29	10.283	1.21762	4707.46	4527.9
-2648.48	-5685.39	10.2834	1.21955	4706.35	4529.58
-2646.99	-5687.49	10.2837	1.22149	4705.25	4531.26
-2645.49	-5689.59	10.284	1.22342	4704.15	4532.94
-2644	-5691.69	10.2843	1.22534	4703.04	4534.62
-2642.5	-5693.79	10.2847	1.22727	4701.94	4536.3
-2641.01	-5695.89	10.285	1.2292	4700.83	4537.98
-2639.51	-5697.98	10.2853	1.23112	4699.72	4539.65
-2638.02	-5700.08	10.2857	1.23305	4698.61	4541.33
-2636.52	-5702.17	10.286	1.23497	4697.5	4543
-2635.02	-5704.26	10.2863	1.23689	4696.39	4544.67
-2633.52	-5706.35	10.2866	1.23881	4695.28	4546.34
-2632.02	-5708.43	10.287	1.24073	4694.16	4548.01
-2630.52	-5710.52	10.2873	1.24265	4693.05	4549.68
-2629.02	-5712.6	10.2876	1.24456	4691.93	4551.35
-2627.52	-5714.68	10.288	1.24648	4690.81	4553.01
-2626.02	-5716.76	10.2883	1.24839	4689.7	4554.68
-2624.51	-5718.84	10.2886	1.25031	4688.58	4556.34
-2623.01	-5720.92	10.2889	1.25222	4687.45	4558.01
-2621.51	-5723	10.2893	1.25413	4686.33	4559.67
-2620	-5725.07	10.2896	1.25604	4685.21	4561.33
-2618.49	-5727.14	10.2899	1.25795	4684.08	4562.99
-2616.99	-5729.21	10.2902	1.25985	4682.96	4564.65
-2615.48	-5731.28	10.2905	1.26176	4681.83	4566.3
-2613.97	-5733.35	10.2909	1.26366	4680.7	4567.96
-2612.46	-5735.42	10.2912	1.26557	4679.57	4569.61
-2610.95	-5737.48	10.2915	1.26747	4678.44	4571.27
-2609.44	-5739.54	10.2918	1.26937	4677.31	4572.92
-2607.93	-5741.6	10.2922	1.27127	4676.18	4574.57
-2606.42	-5743.66	10.2925	1.27317	4675.04	4576.22
-2604.91	-5745.72	10.2928	1.27507	4673.91	4577.87
-2603.39	-5747.78	10.2931	1.27696	4672.77	4579.52
-2601.88	-5749.83	10.2934	1.27886	4671.63	4581.16
-2600.36	-5751.89	10.2938	1.28075	4670.5	4582.81
-2598.85	-5753.94	10.2941	1.28265	4669.36	4584.45
-2597.33	-5755.99	10.2944	1.28454	4668.21	4586.1
-2595.82	-5758.04	10.2947	1.28643	4667.07	4587.74
-2594.3	-5760.08	10.295	1.28832	4665.93	4589.38
-2592.78	-5762.13	10.2954	1.29021	4664.78	4591.02
-2591.26	-5764.17	10.2957	1.29209	4663.64	4592.66

-2589.74	-5766.21	10.296	1.29398	4662.49	4594.3
-2588.22	-5768.25	10.2963	1.29586	4661.34	4595.93
-2586.7	-5770.29	10.2966	1.29775	4660.19	4597.57
-2585.18	-5772.33	10.297	1.29963	4659.04	4599.2
-2583.65	-5774.36	10.2973	1.30151	4657.89	4600.84
-2582.13	-5776.4	10.2976	1.30339	4656.74	4602.47
-2580.6	-5778.43	10.2979	1.30527	4655.59	4604.1
-2579.08	-5780.46	10.2982	1.30714	4654.43	4605.73
-2577.55	-5782.49	10.2985	1.30902	4653.27	4607.36
-2576.03	-5784.52	10.2988	1.3109	4652.12	4608.98
-2574.5	-5786.54	10.2992	1.31277	4650.96	4610.61
-2572.97	-5788.57	10.2995	1.31464	4649.8	4612.23
-2571.44	-5790.59	10.2998	1.31651	4648.64	4613.86
-2569.91	-5792.61	10.3001	1.31838	4647.48	4615.48
-2568.38	-5794.63	10.3004	1.32025	4646.31	4617.1
-2566.85	-5796.65	10.3007	1.32212	4645.15	4618.72
-2565.32	-5798.67	10.301	1.32399	4643.98	4620.34
-2563.79	-5800.68	10.3014	1.32585	4642.82	4621.96
-2562.26	-5802.69	10.3017	1.32772	4641.65	4623.58
-2560.72	-5804.71	10.302	1.32958	4640.48	4625.19
-2559.19	-5806.72	10.3023	1.33144	4639.31	4626.81
-2557.65	-5808.73	10.3026	1.3333	4638.14	4628.42
-2556.12	-5810.73	10.3029	1.33516	4636.96	4630.03
-2554.58	-5812.74	10.3032	1.33702	4635.79	4631.64
-2553.05	-5814.74	10.3035	1.33888	4634.62	4633.25
-2551.51	-5816.74	10.3039	1.34074	4633.44	4634.86
-2549.97	-5818.74	10.3042	1.34259	4632.26	4636.47
-2548.43	-5820.74	10.3045	1.34445	4631.08	4638.07
-2546.89	-5822.74	10.3048	1.3463	4629.91	4639.68
-2545.35	-5824.74	10.3051	1.34815	4628.73	4641.28
-2543.81	-5826.73	10.3054	1.35	4627.54	4642.89
-2542.27	-5828.72	10.3057	1.35185	4626.36	4644.49
-2540.72	-5830.71	10.306	1.3537	4625.18	4646.09
-2539.18	-5832.7	10.3063	1.35554	4623.99	4647.69
-2537.64	-5834.69	10.3066	1.35739	4622.8	4649.29
-2536.09	-5836.68	10.3069	1.35923	4621.62	4650.88
-2534.55	-5838.66	10.3073	1.36108	4620.43	4652.48
-2533	-5840.65	10.3076	1.36292	4619.24	4654.08
-2531.45	-5842.63	10.3079	1.36476	4618.05	4655.67
-2529.91	-5844.61	10.3082	1.3666	4616.86	4657.26
-2528.36	-5846.59	10.3085	1.36844	4615.66	4658.85
-2526.81	-5848.56	10.3088	1.37028	4614.47	4660.44
-2525.26	-5850.54	10.3091	1.37211	4613.27	4662.03
-2523.71	-5852.51	10.3094	1.37395	4612.08	4663.62
-2522.16	-5854.48	10.3097	1.37578	4610.88	4665.21
-2520.61	-5856.45	10.31	1.37762	4609.68	4666.79
-2519.05	-5858.42	10.3103	1.37945	4608.48	4668.38
-2517.5	-5860.39	10.3106	1.38128	4607.28	4669.96
-2515.95	-5862.36	10.3109	1.38311	4606.08	4671.54
-2514.39	-5864.32	10.3112	1.38494	4604.87	4673.12
-2512.84	-5866.28	10.3115	1.38676	4603.67	4674.7
-2511.28	-5868.24	10.3118	1.38859	4602.46	4676.28
-2509.73	-5870.2	10.3121	1.39041	4601.25	4677.86
-2508.17	-5872.16	10.3124	1.39224	4600.05	4679.43
-2506.61	-5874.12	10.3127	1.39406	4598.84	4681.01
-2505.05	-5876.07	10.313	1.39588	4597.63	4682.58
-2503.49	-5878.03	10.3134	1.3977	4596.42	4684.16

-2501.94	-5879.98	10.3137	1.39952	4595.2	4685.73
-2500.37	-5881.93	10.314	1.40134	4593.99	4687.3
-2498.81	-5883.88	10.3143	1.40315	4592.77	4688.87
-2497.25	-5885.82	10.3146	1.40497	4591.56	4690.44
-2495.69	-5887.77	10.3149	1.40678	4590.34	4692
-2494.13	-5889.71	10.3152	1.4086	4589.12	4693.57
-2492.56	-5891.65	10.3155	1.41041	4587.9	4695.13
-2491	-5893.6	10.3158	1.41222	4586.68	4696.7
-2489.43	-5895.53	10.3161	1.41403	4585.46	4698.26
-2487.87	-5897.47	10.3164	1.41584	4584.24	4699.82
-2486.3	-5899.41	10.3167	1.41764	4583.01	4701.38
-2484.73	-5901.34	10.317	1.41945	4581.79	4702.94
-2483.17	-5903.27	10.3173	1.42126	4580.56	4704.5
-2481.6	-5905.21	10.3176	1.42306	4579.33	4706.05
-2480.03	-5907.14	10.3179	1.42486	4578.1	4707.61
-2478.46	-5909.06	10.3182	1.42666	4576.88	4709.16
-2476.89	-5910.99	10.3184	1.42846	4575.64	4710.71
-2475.32	-5912.91	10.3187	1.43026	4574.41	4712.27
-2473.75	-5914.84	10.319	1.43206	4573.18	4713.82
-2472.17	-5916.76	10.3193	1.43386	4571.95	4715.37
-2470.6	-5918.68	10.3196	1.43566	4570.71	4716.91
-2469.03	-5920.6	10.3199	1.43745	4569.47	4718.46
-2467.45	-5922.52	10.3202	1.43924	4568.24	4720.01
-2465.88	-5924.43	10.3205	1.44104	4567	4721.55
-2464.3	-5926.35	10.3208	1.44283	4565.76	4723.1
-2462.73	-5928.26	10.3211	1.44462	4564.52	4724.64
-2461.15	-5930.17	10.3214	1.44641	4563.27	4726.18
-2459.57	-5932.08	10.3217	1.44819	4562.03	4727.72
-2457.99	-5933.99	10.322	1.44998	4560.79	4729.26
-2456.41	-5935.89	10.3223	1.45177	4559.54	4730.8
-2454.83	-5937.8	10.3226	1.45355	4558.29	4732.33
-2453.25	-5939.7	10.3229	1.45533	4557.05	4733.87
-2451.67	-5941.6	10.3232	1.45712	4555.8	4735.4
-2450.09	-5943.5	10.3235	1.4589	4554.55	4736.93
-2448.51	-5945.4	10.3238	1.46068	4553.3	4738.47
-2446.93	-5947.3	10.3241	1.46246	4552.04	4740
-2445.34	-5949.19	10.3244	1.46423	4550.79	4741.53
-2443.76	-5951.08	10.3246	1.46601	4549.54	4743.05
-2442.18	-5952.98	10.3249	1.46778	4548.28	4744.58
-2440.59	-5954.87	10.3252	1.46956	4547.02	4746.11
-2439	-5956.76	10.3255	1.47133	4545.77	4747.63
-2437.42	-5958.64	10.3258	1.4731	4544.51	4749.16
-2435.83	-5960.53	10.3261	1.47487	4543.25	4750.68
-2434.24	-5962.41	10.3264	1.47664	4541.98	4752.2
-2432.65	-5964.3	10.3267	1.47841	4540.72	4753.72
-2431.06	-5966.18	10.327	1.48018	4539.46	4755.24
-2429.47	-5968.06	10.3273	1.48194	4538.19	4756.76
-2427.88	-5969.94	10.3276	1.48371	4536.93	4758.27
-2426.29	-5971.81	10.3278	1.48547	4535.66	4759.79
-2424.7	-5973.69	10.3281	1.48724	4534.39	4761.3
-2423.11	-5975.56	10.3284	1.489	4533.12	4762.82
-2421.52	-5977.43	10.3287	1.49076	4531.85	4764.33
-2419.92	-5979.3	10.329	1.49252	4530.58	4765.84
-2418.33	-5981.17	10.3293	1.49428	4529.31	4767.35
-2416.73	-5983.04	10.3296	1.49603	4528.04	4768.86
-2415.14	-5984.9	10.3299	1.49779	4526.76	4770.36
-2413.54	-5986.77	10.3302	1.49954	4525.49	4771.87

-2411.94	-5988.63	10.3304	1.5013	4524.21	4773.37
-2410.35	-5990.49	10.3307	1.50305	4522.93	4774.88
-2408.75	-5992.35	10.331	1.5048	4521.65	4776.38
-2407.15	-5994.21	10.3313	1.50655	4520.37	4777.88
-2405.55	-5996.06	10.3316	1.5083	4519.09	4779.38
-2403.95	-5997.92	10.3319	1.51005	4517.81	4780.88
-2402.35	-5999.77	10.3322	1.51179	4516.52	4782.38
-2400.75	-6001.62	10.3325	1.51354	4515.24	4783.88
-2399.15	-6003.47	10.3327	1.51528	4513.95	4785.37
-2397.54	-6005.32	10.333	1.51703	4512.67	4786.86
-2395.94	-6007.17	10.3333	1.51877	4511.38	4788.36
-2394.34	-6009.01	10.3336	1.52051	4510.09	4789.85
-2392.73	-6010.86	10.3339	1.52225	4508.8	4791.34
-2391.13	-6012.7	10.3342	1.52399	4507.51	4792.83
-2389.52	-6014.54	10.3345	1.52573	4506.21	4794.32
-2387.92	-6016.38	10.3347	1.52746	4504.92	4795.8
-2386.31	-6018.22	10.335	1.5292	4503.63	4797.29
-2384.7	-6020.05	10.3353	1.53093	4502.33	4798.78
-2383.1	-6021.89	10.3356	1.53267	4501.03	4800.26
-2381.49	-6023.72	10.3359	1.5344	4499.74	4801.74
-2379.88	-6025.55	10.3362	1.53613	4498.44	4803.22
-2378.27	-6027.38	10.3364	1.53786	4497.14	4804.7
-2376.66	-6029.21	10.3367	1.53959	4495.83	4806.18
-2375.05	-6031.04	10.337	1.54132	4494.53	4807.66
-2373.43	-6032.86	10.3373	1.54304	4493.23	4809.14
-2371.82	-6034.69	10.3376	1.54477	4491.92	4810.61
-2370.21	-6036.51	10.3379	1.54649	4490.62	4812.08
-2368.6	-6038.33	10.3381	1.54822	4489.31	4813.56
-2366.98	-6040.15	10.3384	1.54994	4488	4815.03
-2365.37	-6041.97	10.3387	1.55166	4486.69	4816.5
-2363.75	-6043.78	10.339	1.55338	4485.38	4817.97
-2362.13	-6045.6	10.3393	1.5551	4484.07	4819.44
-2360.52	-6047.41	10.3395	1.55682	4482.76	4820.9
-2358.9	-6049.22	10.3398	1.55853	4481.45	4822.37
-2357.28	-6051.03	10.3401	1.56025	4480.13	4823.83
-2355.67	-6052.84	10.3404	1.56196	4478.82	4825.3
-2354.05	-6054.64	10.3407	1.56367	4477.5	4826.76
-2352.43	-6056.45	10.3409	1.56539	4476.18	4828.22
-2350.81	-6058.25	10.3412	1.5671	4474.86	4829.68
-2349.19	-6060.06	10.3415	1.56881	4473.54	4831.14
-2347.56	-6061.86	10.3418	1.57052	4472.22	4832.6
-2345.94	-6063.65	10.3421	1.57222	4470.9	4834.05
-2344.32	-6065.45	10.3423	1.57393	4469.58	4835.51
-2342.7	-6067.25	10.3426	1.57563	4468.25	4836.96
-2341.07	-6069.04	10.3429	1.57734	4466.92	4838.41
-2339.45	-6070.84	10.3432	1.57904	4465.6	4839.87
-2337.82	-6072.63	10.3434	1.58074	4464.27	4841.32
-2336.2	-6074.42	10.3437	1.58244	4462.94	4842.77
-2334.57	-6076.2	10.344	1.58414	4461.61	4844.21
-2332.94	-6077.99	10.3443	1.58584	4460.28	4845.66
-2331.32	-6079.78	10.3446	1.58754	4458.95	4847.11
-2329.69	-6081.56	10.3448	1.58924	4457.61	4848.55
-2328.06	-6083.34	10.3451	1.59093	4456.28	4849.99
-2326.43	-6085.12	10.3454	1.59263	4454.94	4851.44
-2324.8	-6086.9	10.3457	1.59432	4453.61	4852.88
-2323.17	-6088.68	10.3459	1.59601	4452.27	4854.32
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-2319.91	-6092.23	10.3465	1.59939	4449.59	4857.19
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-2316.64	-6095.77	10.347	1.60277	4446.91	4860.06
-2315.01	-6097.54	10.3473	1.60445	4445.57	4861.5
-2313.38	-6099.31	10.3476	1.60614	4444.22	4862.93
-2311.74	-6101.08	10.3479	1.60782	4442.88	4864.36
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-2308.47	-6104.61	10.3484	1.61119	4440.18	4867.22
-2306.84	-6106.37	10.3487	1.61287	4438.83	4868.65
-2305.2	-6108.13	10.349	1.61455	4437.48	4870.07
-2303.56	-6109.89	10.3492	1.61623	4436.13	4871.5
-2301.92	-6111.65	10.3495	1.6179	4434.78	4872.92
-2300.29	-6113.4	10.3498	1.61958	4433.43	4874.34
-2298.65	-6115.16	10.3501	1.62126	4432.07	4875.77
-2297.01	-6116.91	10.3503	1.62293	4430.72	4877.19
-2295.37	-6118.66	10.3506	1.6246	4429.36	4878.61
-2293.73	-6120.41	10.3509	1.62627	4428.01	4880.02
-2292.08	-6122.16	10.3511	1.62795	4426.65	4881.44
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-2288.8	-6125.65	10.3517	1.63128	4423.93	4884.27
-2287.16	-6127.39	10.352	1.63295	4422.57	4885.68
-2285.51	-6129.14	10.3522	1.63462	4421.2	4887.1
-2283.87	-6130.88	10.3525	1.63628	4419.84	4888.51
-2282.22	-6132.62	10.3528	1.63795	4418.47	4889.92
-2280.58	-6134.35	10.353	1.63961	4417.11	4891.32
-2278.93	-6136.09	10.3533	1.64127	4415.74	4892.73
-2277.29	-6137.82	10.3536	1.64293	4414.37	4894.14
-2275.64	-6139.56	10.3539	1.64459	4413	4895.54
-2273.99	-6141.29	10.3541	1.64625	4411.63	4896.95
-2272.34	-6143.02	10.3544	1.64791	4410.26	4898.35
-2270.69	-6144.75	10.3547	1.64957	4408.89	4899.75
-2269.04	-6146.47	10.3549	1.65122	4407.52	4901.15
-2267.39	-6148.2	10.3552	1.65288	4406.14	4902.55
-2265.74	-6149.92	10.3555	1.65453	4404.77	4903.95
-2264.09	-6151.64	10.3557	1.65618	4403.39	4905.34
-2262.44	-6153.37	10.356	1.65783	4402.01	4906.74
-2260.79	-6155.08	10.3563	1.65948	4400.63	4908.13
-2259.14	-6156.8	10.3566	1.66113	4399.25	4909.53
-2257.48	-6158.52	10.3568	1.66278	4397.87	4910.92
-2255.83	-6160.23	10.3571	1.66443	4396.49	4912.31
-2254.17	-6161.95	10.3574	1.66607	4395.11	4913.7
-2252.52	-6163.66	10.3576	1.66772	4393.72	4915.08
-2250.86	-6165.37	10.3579	1.66936	4392.34	4916.47
-2249.21	-6167.08	10.3582	1.671	4390.95	4917.86
-2247.55	-6168.78	10.3584	1.67264	4389.56	4919.24
-2245.89	-6170.49	10.3587	1.67428	4388.17	4920.62
-2244.24	-6172.19	10.359	1.67592	4386.78	4922.01
-2242.58	-6173.9	10.3592	1.67756	4385.39	4923.39
-2240.92	-6175.6	10.3595	1.6792	4384	4924.77
-2239.26	-6177.3	10.3598	1.68083	4382.61	4926.15
-2237.6	-6178.99	10.36	1.68247	4381.22	4927.52
-2235.94	-6180.69	10.3603	1.6841	4379.82	4928.9
-2234.28	-6182.38	10.3606	1.68573	4378.42	4930.27
-2232.62	-6184.08	10.3608	1.68736	4377.03	4931.65
-2230.95	-6185.77	10.3611	1.68899	4375.63	4933.02
-2229.29	-6187.46	10.3614	1.69062	4374.23	4934.39
-2227.63	-6189.15	10.3616	1.69225	4372.83	4935.76

-2225.96	-6190.84	10.3619	1.69388	4371.43	4937.13
-2224.3	-6192.52	10.3622	1.6955	4370.03	4938.5
-2222.63	-6194.21	10.3624	1.69713	4368.62	4939.86
-2220.97	-6195.89	10.3627	1.69875	4367.22	4941.23
-2219.3	-6197.57	10.3629	1.70038	4365.81	4942.59
-2217.64	-6199.25	10.3632	1.702	4364.4	4943.95
-2215.97	-6200.93	10.3635	1.70362	4363	4945.32
-2214.3	-6202.6	10.3637	1.70524	4361.59	4946.68
-2212.63	-6204.28	10.364	1.70686	4360.18	4948.04
-2210.96	-6205.95	10.3643	1.70847	4358.77	4949.39
-2209.29	-6207.63	10.3645	1.71009	4357.35	4950.75
-2207.62	-6209.3	10.3648	1.7117	4355.94	4952.1
-2205.95	-6210.97	10.3651	1.71332	4354.53	4953.46
-2204.28	-6212.63	10.3653	1.71493	4353.11	4954.81
-2202.61	-6214.3	10.3656	1.71654	4351.7	4956.16
-2200.94	-6215.96	10.3658	1.71815	4350.28	4957.51
-2199.27	-6217.63	10.3661	1.71976	4348.86	4958.86
-2197.59	-6219.29	10.3664	1.72137	4347.44	4960.21
-2195.92	-6220.95	10.3666	1.72298	4346.02	4961.56
-2194.25	-6222.61	10.3669	1.72459	4344.6	4962.9
-2192.57	-6224.26	10.3672	1.72619	4343.17	4964.25
-2190.9	-6225.92	10.3674	1.7278	4341.75	4965.59
-2189.22	-6227.57	10.3677	1.7294	4340.33	4966.93
-2187.54	-6229.23	10.3679	1.731	4338.9	4968.27
-2185.87	-6230.88	10.3682	1.7326	4337.47	4969.61
-2184.19	-6232.53	10.3685	1.7342	4336.05	4970.95
-2182.51	-6234.17	10.3687	1.7358	4334.62	4972.29
-2180.83	-6235.82	10.369	1.7374	4333.19	4973.62
-2179.15	-6237.46	10.3693	1.739	4331.75	4974.96
-2177.47	-6239.11	10.3695	1.74059	4330.32	4976.29
-2175.79	-6240.75	10.3698	1.74219	4328.89	4977.63
-2174.11	-6242.39	10.37	1.74378	4327.46	4978.96
-2172.43	-6244.03	10.3703	1.74537	4326.02	4980.29
-2170.75	-6245.67	10.3706	1.74696	4324.58	4981.62
-2169.07	-6247.3	10.3708	1.74855	4323.15	4982.94
-2167.39	-6248.94	10.3711	1.75014	4321.71	4984.27
-2165.7	-6250.57	10.3713	1.75173	4320.27	4985.59
-2164.02	-6252.2	10.3716	1.75332	4318.83	4986.92
-2162.33	-6253.83	10.3718	1.7549	4317.38	4988.24
-2160.65	-6255.46	10.3721	1.75649	4315.94	4989.56
-2158.96	-6257.09	10.3724	1.75807	4314.5	4990.88
-2157.28	-6258.71	10.3726	1.75965	4313.05	4992.2
-2155.59	-6260.33	10.3729	1.76124	4311.61	4993.52
-2153.91	-6261.96	10.3731	1.76282	4310.16	4994.84
-2152.22	-6263.58	10.3734	1.7644	4308.71	4996.15
-2150.53	-6265.2	10.3737	1.76597	4307.26	4997.46
-2148.84	-6266.81	10.3739	1.76755	4305.81	4998.78
-2147.15	-6268.43	10.3742	1.76913	4304.36	5000.09
-2145.46	-6270.04	10.3744	1.7707	4302.91	5001.4
-2143.77	-6271.66	10.3747	1.77228	4301.46	5002.71
-2142.08	-6273.27	10.3749	1.77385	4300	5004.02
-2140.39	-6274.88	10.3752	1.77542	4298.55	5005.32
-2138.7	-6276.49	10.3755	1.77699	4297.09	5006.63
-2137.01	-6278.1	10.3757	1.77856	4295.63	5007.93
-2135.31	-6279.7	10.376	1.78013	4294.17	5009.24
-2133.62	-6281.31	10.3762	1.7817	4292.71	5010.54
-2131.93	-6282.91	10.3765	1.78327	4291.25	5011.84

-2130.23	-6284.51	10.3767	1.78483	4289.79	5013.14
-2128.54	-6286.11	10.377	1.7864	4288.33	5014.44
-2126.84	-6287.71	10.3773	1.78796	4286.86	5015.73
-2125.15	-6289.3	10.3775	1.78952	4285.4	5017.03
-2123.45	-6290.9	10.3778	1.79109	4283.93	5018.32
-2121.76	-6292.49	10.378	1.79265	4282.47	5019.61
-2120.06	-6294.08	10.3783	1.7942	4281	5020.91
-2118.36	-6295.68	10.3785	1.79576	4279.53	5022.2
-2116.66	-6297.26	10.3788	1.79732	4278.06	5023.49
-2114.96	-6298.85	10.379	1.79888	4276.59	5024.77
-2113.26	-6300.44	10.3793	1.80043	4275.12	5026.06
-2111.56	-6302.02	10.3796	1.80199	4273.64	5027.35
-2109.86	-6303.61	10.3798	1.80354	4272.17	5028.63
-2108.16	-6305.19	10.3801	1.80509	4270.69	5029.92
-2106.46	-6306.77	10.3803	1.80664	4269.22	5031.2
-2104.76	-6308.35	10.3806	1.80819	4267.74	5032.48
-2103.06	-6309.92	10.3808	1.80974	4266.26	5033.76
-2101.36	-6311.5	10.3811	1.81129	4264.78	5035.04
-2099.65	-6313.07	10.3813	1.81283	4263.3	5036.31
-2097.95	-6314.65	10.3816	1.81438	4261.82	5037.59
-2096.24	-6316.22	10.3818	1.81592	4260.34	5038.86
-2094.54	-6317.79	10.3821	1.81747	4258.85	5040.14
-2092.83	-6319.35	10.3824	1.81901	4257.37	5041.41
-2091.13	-6320.92	10.3826	1.82055	4255.88	5042.68
-2089.42	-6322.49	10.3829	1.82209	4254.39	5043.95
-2087.72	-6324.05	10.3831	1.82363	4252.91	5045.22
-2086.01	-6325.61	10.3834	1.82517	4251.42	5046.49
-2084.3	-6327.17	10.3836	1.82671	4249.93	5047.75
-2082.59	-6328.73	10.3839	1.82824	4248.44	5049.02
-2080.88	-6330.29	10.3841	1.82978	4246.95	5050.28
-2079.17	-6331.85	10.3844	1.83131	4245.45	5051.54
-2077.46	-6333.4	10.3846	1.83284	4243.96	5052.81
-2075.75	-6334.95	10.3849	1.83437	4242.46	5054.06
-2074.04	-6336.5	10.3851	1.83591	4240.97	5055.32
-2072.33	-6338.06	10.3854	1.83744	4239.47	5056.58
-2070.62	-6339.6	10.3856	1.83896	4237.97	5057.84
-2068.91	-6341.15	10.3859	1.84049	4236.47	5059.09
-2067.2	-6342.7	10.3861	1.84202	4234.97	5060.35
-2065.48	-6344.24	10.3864	1.84354	4233.47	5061.6
-2063.77	-6345.78	10.3866	1.84507	4231.97	5062.85
-2062.05	-6347.33	10.3869	1.84659	4230.46	5064.1
-2060.34	-6348.86	10.3871	1.84811	4228.96	5065.35
-2058.62	-6350.4	10.3874	1.84963	4227.46	5066.6
-2056.91	-6351.94	10.3877	1.85115	4225.95	5067.84
-2055.19	-6353.47	10.3879	1.85267	4224.44	5069.09
-2053.48	-6355.01	10.3882	1.85419	4222.93	5070.33
-2051.76	-6356.54	10.3884	1.85571	4221.42	5071.57
-2050.04	-6358.07	10.3887	1.85723	4219.91	5072.82
-2048.32	-6359.6	10.3889	1.85874	4218.4	5074.06
-2046.61	-6361.13	10.3892	1.86025	4216.89	5075.29
-2044.89	-6362.65	10.3894	1.86177	4215.37	5076.53
-2043.17	-6364.18	10.3897	1.86328	4213.86	5077.77
-2041.45	-6365.7	10.3899	1.86479	4212.34	5079
-2039.73	-6367.23	10.3902	1.8663	4210.83	5080.24
-2038.01	-6368.75	10.3904	1.86781	4209.31	5081.47
-2036.28	-6370.26	10.3907	1.86932	4207.79	5082.7
-2034.56	-6371.78	10.3909	1.87082	4206.27	5083.93

-2032.84	-6373.3	10.3912	1.87233	4204.75	5085.16	
-2031.12	-6374.81		10.3914	1.87383	4203.23	5086.39
-2029.39	-6376.33		10.3917	1.87534	4201.71	5087.61
-2027.67	-6377.84		10.3919	1.87684	4200.18	5088.84
-2025.95	-6379.35		10.3921	1.87834	4198.66	5090.06
-2024.22	-6380.85		10.3924	1.87984	4197.13	5091.29
-2022.5	-6382.36	10.3926	1.88134	4195.6	5092.51	
-2020.77	-6383.87		10.3929	1.88284	4194.08	5093.73
-2019.04	-6385.37		10.3931	1.88434	4192.55	5094.95
-2017.32	-6386.87		10.3934	1.88583	4191.02	5096.17
-2015.59	-6388.37		10.3936	1.88733	4189.48	5097.38
-2013.86	-6389.87		10.3939	1.88882	4187.95	5098.6
-2012.14	-6391.37		10.3941	1.89031	4186.42	5099.81
-2010.41	-6392.87		10.3944	1.89181	4184.89	5101.02
-2008.68	-6394.36		10.3946	1.8933	4183.35	5102.23
-2006.95	-6395.86		10.3949	1.89479	4181.81	5103.45
-2005.22	-6397.35		10.3951	1.89628	4180.28	5104.65
-2003.49	-6398.84		10.3954	1.89776	4178.74	5105.86
-2001.76	-6400.33		10.3956	1.89925	4177.2	5107.07
-2000.03	-6401.82		10.3959	1.90074	4175.66	5108.27
-1998.29	-6403.3	10.3961	1.90222	4174.12	5109.48	
-1996.56	-6404.79		10.3964	1.9037	4172.58	5110.68
-1994.83	-6406.27		10.3966	1.90519	4171.03	5111.88
-1993.1	-6407.75	10.3969	1.90667	4169.49	5113.08	
-1991.36	-6409.23		10.3971	1.90815	4167.94	5114.28
-1989.63	-6410.71		10.3974	1.90963	4166.4	5115.48
-1987.89	-6412.19		10.3976	1.91111	4164.85	5116.68
-1986.16	-6413.67		10.3978	1.91259	4163.3	5117.87
-1984.42	-6415.14		10.3981	1.91406	4161.75	5119.06
-1982.69	-6416.61		10.3983	1.91554	4160.2	5120.26
-1980.95	-6418.08		10.3986	1.91701	4158.65	5121.45
-1979.21	-6419.55		10.3988	1.91848	4157.1	5122.64
-1977.48	-6421.02		10.3991	1.91996	4155.54	5123.83
-1975.74	-6422.49		10.3993	1.92143	4153.99	5125.02
-1974	-6423.95	10.3996	1.9229	4152.43	5126.2	
-1972.26	-6425.42		10.3998	1.92437	4150.88	5127.39
-1970.52	-6426.88		10.4001	1.92584	4149.32	5128.57
-1968.78	-6428.34		10.4003	1.9273	4147.76	5129.75
-1967.04	-6429.8	10.4006	1.92877	4146.2	5130.94	
-1965.3	-6431.26	10.4008	1.93023	4144.64	5132.12	
-1963.56	-6432.72		10.401	1.9317	4143.08	5133.29
-1961.82	-6434.17		10.4013	1.93316	4141.52	5134.47
-1960.08	-6435.62		10.4015	1.93462	4139.95	5135.65
-1958.34	-6437.08		10.4018	1.93609	4138.39	5136.82
-1956.59	-6438.53		10.402	1.93755	4136.82	5138
-1954.85	-6439.98		10.4023	1.939	4135.25	5139.17
-1953.11	-6441.42		10.4025	1.94046	4133.69	5140.34
-1951.36	-6442.87		10.4028	1.94192	4132.12	5141.51
-1949.62	-6444.32		10.403	1.94337	4130.55	5142.68
-1947.87	-6445.76		10.4032	1.94483	4128.98	5143.85
-1946.13	-6447.2	10.4035	1.94628	4127.41	5145.01	
-1944.38	-6448.64		10.4037	1.94774	4125.83	5146.18
-1942.63	-6450.08		10.404	1.94919	4124.26	5147.34
-1940.89	-6451.52		10.4042	1.95064	4122.68	5148.51
-1939.14	-6452.95		10.4045	1.95209	4121.11	5149.67
-1937.39	-6454.39		10.4047	1.95354	4119.53	5150.83
-1935.64	-6455.82		10.405	1.95499	4117.95	5151.99

-1933.9	-6457.25	10.4052	1.95643	4116.38	5153.14	
-1932.15	-6458.68		10.4054	1.95788	4114.8	5154.3
-1930.4	-6460.11	10.4057	1.95932	4113.22	5155.46	
-1928.65	-6461.54		10.4059	1.96077	4111.63	5156.61
-1926.9	-6462.96	10.4062	1.96221	4110.05	5157.76	
-1925.15	-6464.39		10.4064	1.96365	4108.47	5158.91
-1923.4	-6465.81	10.4067	1.96509	4106.88	5160.06	
-1921.64	-6467.23		10.4069	1.96653	4105.3	5161.21
-1919.89	-6468.65		10.4071	1.96797	4103.71	5162.36
-1918.14	-6470.07		10.4074	1.96941	4102.12	5163.5
-1916.39	-6471.49		10.4076	1.97084	4100.53	5164.65
-1914.63	-6472.9	10.4079	1.97228	4098.94	5165.79	
-1912.88	-6474.32		10.4081	1.97371	4097.35	5166.94
-1911.12	-6475.73		10.4084	1.97515	4095.76	5168.08
-1909.37	-6477.14		10.4086	1.97658	4094.17	5169.22
-1907.61	-6478.55		10.4088	1.97801	4092.57	5170.36
-1905.86	-6479.96		10.4091	1.97944	4090.98	5171.49
-1904.1	-6481.37	10.4093	1.98087	4089.38	5172.63	
-1902.35	-6482.77		10.4096	1.9823	4087.79	5173.76
-1900.59	-6484.17		10.4098	1.98372	4086.19	5174.9
-1898.83	-6485.58		10.4101	1.98515	4084.59	5176.03
-1897.07	-6486.98		10.4103	1.98658	4082.99	5177.16
-1895.32	-6488.38		10.4105	1.988	4081.39	5178.29
-1893.56	-6489.77		10.4108	1.98942	4079.79	5179.42
-1891.8	-6491.17	10.411	1.99085	4078.18	5180.55	
-1890.04	-6492.56		10.4113	1.99227	4076.58	5181.67
-1888.28	-6493.96		10.4115	1.99369	4074.98	5182.8
-1886.52	-6495.35		10.4118	1.99511	4073.37	5183.92
-1884.76	-6496.74		10.412	1.99653	4071.76	5185.04
-1883	-6498.13	10.4122	1.99794	4070.15	5186.16	
-1881.23	-6499.51		10.4125	1.99936	4068.55	5187.28
-1879.47	-6500.9	10.4127	2.00077	4066.94	5188.4	
-1877.71	-6502.28		10.413	2.00219	4065.33	5189.52
-1875.95	-6503.67		10.4132	2.0036	4063.71	5190.63
-1874.18	-6505.05		10.4134	2.00501	4062.1	5191.75
-1872.42	-6506.43		10.4137	2.00642	4060.49	5192.86
-1870.66	-6507.81		10.4139	2.00783	4058.87	5193.97
-1868.89	-6509.18		10.4142	2.00924	4057.26	5195.08
-1867.13	-6510.56		10.4144	2.01065	4055.64	5196.19
-1865.36	-6511.93		10.4146	2.01206	4054.02	5197.3
-1863.59	-6513.31		10.4149	2.01346	4052.4	5198.41
-1861.83	-6514.68		10.4151	2.01487	4050.78	5199.51
-1860.06	-6516.05		10.4154	2.01627	4049.16	5200.62
-1858.29	-6517.42		10.4156	2.01768	4047.54	5201.72
-1856.53	-6518.78		10.4158	2.01908	4045.92	5202.82
-1854.76	-6520.15		10.4161	2.02048	4044.29	5203.92
-1852.99	-6521.51		10.4163	2.02188	4042.67	5205.02
-1851.22	-6522.87		10.4166	2.02328	4041.04	5206.12
-1849.45	-6524.23		10.4168	2.02468	4039.42	5207.22
-1847.68	-6525.59		10.4171	2.02607	4037.79	5208.31
-1845.91	-6526.95		10.4173	2.02747	4036.16	5209.41
-1844.14	-6528.31		10.4175	2.02886	4034.53	5210.5
-1842.37	-6529.66		10.4178	2.03026	4032.9	5211.59
-1840.6	-6531.02	10.418	2.03165	4031.27	5212.68	
-1838.83	-6532.37		10.4183	2.03304	4029.64	5213.77
-1837.06	-6533.72		10.4185	2.03443	4028	5214.86
-1835.28	-6535.07		10.4187	2.03582	4026.37	5215.94

-1833.51	-6536.42	10.419	2.03721	4024.73	5217.03
-1831.74	-6537.76	10.4192	2.0386	4023.1	5218.11
-1829.96	-6539.11	10.4194	2.03999	4021.46	5219.19
-1828.19	-6540.45	10.4197	2.04137	4019.82	5220.28
-1826.41	-6541.79	10.4199	2.04276	4018.18	5221.36
-1824.64	-6543.14	10.4202	2.04414	4016.54	5222.43
-1822.86	-6544.47	10.4204	2.04553	4014.9	5223.51
-1821.09	-6545.81	10.4206	2.04691	4013.26	5224.59
-1819.31	-6547.15	10.4209	2.04829	4011.61	5225.66
-1817.53	-6548.48	10.4211	2.04967	4009.97	5226.74
-1815.76	-6549.82	10.4214	2.05105	4008.32	5227.81
-1813.98	-6551.15	10.4216	2.05243	4006.68	5228.88
-1812.2	-6552.48	10.4218	2.0538	4005.03	5229.95
-1810.42	-6553.81	10.4221	2.05518	4003.38	5231.02
-1808.64	-6555.14	10.4223	2.05655	4001.73	5232.08
-1806.87	-6556.46	10.4226	2.05793	4000.08	5233.15
-1805.09	-6557.79	10.4228	2.0593	3998.43	5234.21
-1803.31	-6559.11	10.423	2.06067	3996.78	5235.28
-1801.53	-6560.43	10.4233	2.06204	3995.12	5236.34
-1799.74	-6561.75	10.4235	2.06341	3993.47	5237.4
-1797.96	-6563.07	10.4238	2.06478	3991.81	5238.46
-1796.18	-6564.39	10.424	2.06615	3990.16	5239.52
-1794.4	-6565.71	10.4242	2.06752	3988.5	5240.58
-1792.62	-6567.02	10.4245	2.06888	3986.84	5241.63
-1790.84	-6568.33	10.4247	2.07025	3985.18	5242.69
-1789.05	-6569.64	10.4249	2.07161	3983.52	5243.74
-1787.27	-6570.95	10.4252	2.07297	3981.86	5244.79
-1785.48	-6572.26	10.4254	2.07434	3980.2	5245.84
-1783.7	-6573.57	10.4257	2.0757	3978.54	5246.89
-1781.92	-6574.88	10.4259	2.07706	3976.87	5247.94
-1780.13	-6576.18	10.4261	2.07842	3975.21	5248.98
-1778.35	-6577.48	10.4264	2.07977	3973.54	5250.03
-1776.56	-6578.78	10.4266	2.08113	3971.88	5251.07
-1774.77	-6580.08	10.4269	2.08249	3970.21	5252.12
-1772.99	-6581.38	10.4271	2.08384	3968.54	5253.16
-1771.2	-6582.68	10.4273	2.0852	3966.87	5254.2
-1769.41	-6583.97	10.4276	2.08655	3965.2	5255.24
-1767.62	-6585.27	10.4278	2.0879	3963.53	5256.27
-1765.84	-6586.56	10.428	2.08925	3961.85	5257.31
-1764.05	-6587.85	10.4283	2.0906	3960.18	5258.34
-1762.26	-6589.14	10.4285	2.09195	3958.5	5259.38
-1760.47	-6590.43	10.4288	2.0933	3956.83	5260.41
-1758.68	-6591.72	10.429	2.09465	3955.15	5261.44
-1756.89	-6593	10.4292	2.09599	3953.47	5262.47
-1755.1	-6594.28	10.4295	2.09734	3951.8	5263.5
-1753.31	-6595.57	10.4297	2.09868	3950.12	5264.53
-1751.52	-6596.85	10.4299	2.10003	3948.44	5265.55
-1749.72	-6598.13	10.4302	2.10137	3946.75	5266.58
-1747.93	-6599.4	10.4304	2.10271	3945.07	5267.6
-1746.14	-6600.68	10.4307	2.10405	3943.39	5268.62
-1744.35	-6601.96	10.4309	2.10539	3941.7	5269.64
-1742.55	-6603.23	10.4311	2.10673	3940.02	5270.66
-1740.76	-6604.5	10.4314	2.10806	3938.33	5271.68
-1738.96	-6605.77	10.4316	2.1094	3936.64	5272.7
-1737.17	-6607.04	10.4318	2.11074	3934.96	5273.71
-1735.38	-6608.31	10.4321	2.11207	3933.27	5274.73
-1733.58	-6609.58	10.4323	2.1134	3931.58	5275.74

-1731.78	-6610.84	10.4326	2.11474	3929.88	5276.75
-1729.99	-6612.11	10.4328	2.11607	3928.19	5277.76
-1728.19	-6613.37	10.433	2.1174	3926.5	5278.77
-1726.4	-6614.63	10.4333	2.11873	3924.81	5279.78
-1724.6	-6615.89	10.4335	2.12006	3923.11	5280.78
-1722.8	-6617.15	10.4337	2.12138	3921.41	5281.79
-1721	-6618.4	10.434	2.12271	3919.72	5282.79
-1719.2	-6619.66	10.4342	2.12404	3918.02	5283.79
-1717.41	-6620.91	10.4344	2.12536	3916.32	5284.8
-1715.61	-6622.16	10.4347	2.12668	3914.62	5285.8
-1713.81	-6623.41	10.4349	2.12801	3912.92	5286.79
-1712.01	-6624.66	10.4352	2.12933	3911.22	5287.79
-1710.21	-6625.91	10.4354	2.13065	3909.51	5288.79
-1708.41	-6627.16	10.4356	2.13197	3907.81	5289.78
-1706.61	-6628.4	10.4359	2.13329	3906.11	5290.78
-1704.8	-6629.65	10.4361	2.1346	3904.4	5291.77
-1703	-6630.89	10.4363	2.13592	3902.69	5292.76
-1701.2	-6632.13	10.4366	2.13724	3900.99	5293.75
-1699.4	-6633.37	10.4368	2.13855	3899.28	5294.74
-1697.6	-6634.6	10.437	2.13986	3897.57	5295.72
-1695.79	-6635.84	10.4373	2.14118	3895.86	5296.71
-1693.99	-6637.07	10.4375	2.14249	3894.15	5297.69
-1692.19	-6638.31	10.4378	2.1438	3892.43	5298.67
-1690.38	-6639.54	10.438	2.14511	3890.72	5299.66
-1688.58	-6640.77	10.4382	2.14642	3889.01	5300.64
-1686.77	-6642	10.4385	2.14773	3887.29	5301.62
-1684.97	-6643.23	10.4387	2.14903	3885.57	5302.59
-1683.16	-6644.45	10.4389	2.15034	3883.86	5303.57
-1681.35	-6645.68	10.4392	2.15164	3882.14	5304.54
-1679.55	-6646.9	10.4394	2.15295	3880.42	5305.52
-1677.74	-6648.12	10.4396	2.15425	3878.7	5306.49
-1675.93	-6649.34	10.4399	2.15555	3876.98	5307.46
-1674.13	-6650.56	10.4401	2.15685	3875.26	5308.43
-1672.32	-6651.78	10.4404	2.15815	3873.53	5309.4
-1670.51	-6652.99	10.4406	2.15945	3871.81	5310.37
-1668.7	-6654.21	10.4408	2.16075	3870.08	5311.33
-1666.89	-6655.42	10.4411	2.16205	3868.36	5312.3
-1665.08	-6656.63	10.4413	2.16334	3866.63	5313.26
-1663.27	-6657.84	10.4415	2.16464	3864.9	5314.22
-1661.46	-6659.05	10.4418	2.16593	3863.18	5315.18
-1659.65	-6660.26	10.442	2.16723	3861.45	5316.14
-1657.84	-6661.47	10.4422	2.16852	3859.72	5317.1
-1656.03	-6662.67	10.4425	2.16981	3857.98	5318.06
-1654.22	-6663.87	10.4427	2.1711	3856.25	5319.01
-1652.41	-6665.07	10.4429	2.17239	3854.52	5319.96
-1650.59	-6666.27	10.4432	2.17368	3852.78	5320.92
-1648.78	-6667.47	10.4434	2.17497	3851.05	5321.87
-1646.97	-6668.67	10.4437	2.17625	3849.31	5322.82
-1645.15	-6669.87	10.4439	2.17754	3847.57	5323.77
-1643.34	-6671.06	10.4441	2.17882	3845.84	5324.71
-1641.53	-6672.25	10.4444	2.18011	3844.1	5325.66
-1639.71	-6673.45	10.4446	2.18139	3842.36	5326.6
-1637.9	-6674.64	10.4448	2.18267	3840.62	5327.55
-1636.08	-6675.82	10.4451	2.18395	3838.87	5328.49
-1634.27	-6677.01	10.4453	2.18523	3837.13	5329.43
-1632.45	-6678.2	10.4455	2.18651	3835.39	5330.37
-1630.63	-6679.38	10.4458	2.18779	3833.64	5331.31

-1628.82	-6680.56	10.446	2.18907	3831.9	5332.25
-1627	-6681.74	10.4462	2.19034	3830.15	5333.18
-1625.18	-6682.92	10.4465	2.19162	3828.4	5334.11
-1623.37	-6684.1	10.4467	2.19289	3826.65	5335.05
-1621.55	-6685.28	10.4469	2.19416	3824.9	5335.98
-1619.73	-6686.46	10.4472	2.19544	3823.15	5336.91
-1617.91	-6687.63	10.4474	2.19671	3821.4	5337.84
-1616.09	-6688.8	10.4477	2.19798	3819.65	5338.77
-1614.27	-6689.98	10.4479	2.19925	3817.9	5339.69
-1612.45	-6691.15	10.4481	2.20051	3816.14	5340.62
-1610.63	-6692.31	10.4484	2.20178	3814.39	5341.54
-1608.81	-6693.48	10.4486	2.20305	3812.63	5342.46
-1606.99	-6694.65	10.4488	2.20431	3810.87	5343.38
-1605.17	-6695.81	10.4491	2.20558	3809.11	5344.3
-1603.35	-6696.97	10.4493	2.20684	3807.35	5345.22
-1601.53	-6698.13	10.4495	2.2081	3805.59	5346.14
-1599.71	-6699.29	10.4498	2.20936	3803.83	5347.05
-1597.88	-6700.45	10.45	2.21062	3802.07	5347.97
-1596.06	-6701.61	10.4502	2.21188	3800.31	5348.88
-1594.24	-6702.77	10.4505	2.21314	3798.54	5349.79
-1592.41	-6703.92	10.4507	2.2144	3796.78	5350.7
-1590.59	-6705.07	10.451	2.21566	3795.01	5351.61
-1588.77	-6706.22	10.4512	2.21691	3793.25	5352.52
-1586.94	-6707.37	10.4514	2.21817	3791.48	5353.42
-1585.12	-6708.52	10.4517	2.21942	3789.71	5354.33
-1583.29	-6709.67	10.4519	2.22067	3787.94	5355.23
-1581.47	-6710.81	10.4521	2.22193	3786.17	5356.14
-1579.64	-6711.96	10.4524	2.22318	3784.4	5357.04
-1577.81	-6713.1	10.4526	2.22443	3782.63	5357.94
-1575.99	-6714.24	10.4528	2.22568	3780.85	5358.83
-1574.16	-6715.38	10.4531	2.22692	3779.08	5359.73
-1572.33	-6716.52	10.4533	2.22817	3777.31	5360.63
-1570.51	-6717.66	10.4535	2.22942	3775.53	5361.52
-1568.68	-6718.79	10.4538	2.23066	3773.75	5362.41
-1566.85	-6719.93	10.454	2.23191	3771.97	5363.31
-1565.02	-6721.06	10.4543	2.23315	3770.2	5364.2
-1563.19	-6722.19	10.4545	2.23439	3768.42	5365.08
-1561.36	-6723.32	10.4547	2.23563	3766.64	5365.97
-1559.53	-6724.45	10.455	2.23688	3764.85	5366.86
-1557.7	-6725.58	10.4552	2.23811	3763.07	5367.74
-1555.87	-6726.7	10.4554	2.23935	3761.29	5368.63
-1554.04	-6727.83	10.4557	2.24059	3759.5	5369.51
-1552.21	-6728.95	10.4559	2.24183	3757.72	5370.39
-1550.38	-6730.07	10.4561	2.24306	3755.93	5371.27
-1548.55	-6731.19	10.4564	2.2443	3754.14	5372.15
-1546.72	-6732.31	10.4566	2.24553	3752.36	5373.02
-1544.88	-6733.43	10.4568	2.24676	3750.57	5373.9
-1543.05	-6734.54	10.4571	2.248	3748.78	5374.77
-1541.22	-6735.66	10.4573	2.24923	3746.99	5375.65
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-1537.55	-6737.88	10.4578	2.25169	3743.4	5377.39
-1535.72	-6738.99	10.458	2.25291	3741.61	5378.26
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-1532.05	-6741.2	10.4585	2.25537	3738.02	5379.99
-1530.21	-6742.31	10.4587	2.25659	3736.22	5380.86
-1528.38	-6743.41	10.459	2.25782	3734.42	5381.72
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-1524.71	-6745.62	10.4594	2.26026	3730.82	5383.44
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-1521.03	-6747.82	10.4599	2.26271	3727.22	5385.16
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-1517.36	-6750.01	10.4604	2.26514	3723.62	5386.87
-1515.52	-6751.1	10.4606	2.26636	3721.81	5387.73
-1513.69	-6752.2	10.4608	2.26758	3720.01	5388.58
-1511.85	-6753.29	10.4611	2.26879	3718.2	5389.43
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-1508.17	-6755.47	10.4616	2.27122	3714.59	5391.13
-1506.33	-6756.55	10.4618	2.27244	3712.78	5391.98
-1504.49	-6757.64	10.462	2.27365	3710.97	5392.82
-1502.65	-6758.72	10.4623	2.27486	3709.16	5393.67
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-1489.76	-6766.27	10.4639	2.28331	3696.46	5399.54
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-1484.24	-6769.49	10.4646	2.28692	3691	5402.04
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-1476.86	-6773.75	10.4656	2.29172	3683.71	5405.35
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-1473.17	-6775.88	10.466	2.29411	3680.06	5406.99
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-1469.48	-6778	10.4665	2.2965	3676.41	5408.64
-1467.64	-6779.05	10.4667	2.29769	3674.58	5409.46
-1465.79	-6780.11	10.467	2.29889	3672.75	5410.27
-1463.94	-6781.16	10.4672	2.30008	3670.92	5411.09
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-1460.25	-6783.27	10.4677	2.30246	3667.26	5412.72
-1458.4	-6784.32	10.4679	2.30365	3665.43	5413.53
-1456.56	-6785.37	10.4681	2.30483	3663.59	5414.34
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-1451.01	-6788.5	10.4689	2.30839	3658.09	5416.76
-1449.16	-6789.55	10.4691	2.30957	3656.25	5417.57
-1447.31	-6790.59	10.4693	2.31076	3654.41	5418.37
-1445.46	-6791.63	10.4696	2.31194	3652.57	5419.17
-1443.61	-6792.67	10.4698	2.31312	3650.73	5419.98
-1441.76	-6793.7	10.47	2.3143	3648.89	5420.78
-1439.91	-6794.74	10.4703	2.31548	3647.05	5421.57
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-1436.21	-6796.81	10.4707	2.31784	3643.36	5423.17
-1434.36	-6797.84	10.471	2.31901	3641.52	5423.96
-1432.51	-6798.87	10.4712	2.32019	3639.67	5424.75
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-1425.1	-6802.98	10.4722	2.32488	3632.28	5427.91
-1423.25	-6804	10.4724	2.32605	3630.43	5428.7
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-1415.83	-6808.08	10.4733	2.33073	3623.02	5431.83
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-1412.12	-6810.11	10.4738	2.33306	3619.31	5433.39
-1410.27	-6811.12	10.4741	2.33422	3617.46	5434.16
-1408.41	-6812.13	10.4743	2.33539	3615.6	5434.94
-1406.56	-6813.14	10.4745	2.33655	3613.74	5435.71
-1404.7	-6814.15	10.4748	2.33771	3611.88	5436.48
-1402.85	-6815.16	10.475	2.33887	3610.02	5437.26
-1400.99	-6816.17	10.4752	2.34003	3608.16	5438.02
-1399.13	-6817.17	10.4755	2.34119	3606.3	5438.79
-1397.27	-6818.17	10.4757	2.34235	3604.44	5439.56
-1395.42	-6819.18	10.4759	2.34351	3602.57	5440.33
-1393.56	-6820.18	10.4762	2.34466	3600.71	5441.09
-1391.7	-6821.18	10.4764	2.34582	3598.84	5441.85
-1389.84	-6822.17	10.4767	2.34697	3596.98	5442.61
-1387.98	-6823.17	10.4769	2.34813	3595.11	5443.37
-1386.13	-6824.16	10.4771	2.34928	3593.24	5444.13
-1384.27	-6825.16	10.4774	2.35043	3591.37	5444.89
-1382.41	-6826.15	10.4776	2.35158	3589.5	5445.65
-1380.55	-6827.14	10.4778	2.35273	3587.63	5446.4
-1378.69	-6828.13	10.4781	2.35388	3585.76	5447.15
-1376.83	-6829.12	10.4783	2.35503	3583.88	5447.91
-1374.97	-6830.1	10.4786	2.35617	3582.01	5448.66
-1373.11	-6831.09	10.4788	2.35732	3580.14	5449.4
-1371.24	-6832.07	10.479	2.35846	3578.26	5450.15
-1369.38	-6833.05	10.4793	2.35961	3576.38	5450.9
-1367.52	-6834.04	10.4795	2.36075	3574.51	5451.64
-1365.66	-6835.02	10.4797	2.36189	3572.63	5452.39
-1363.8	-6835.99	10.48	2.36304	3570.75	5453.13
-1361.93	-6836.97	10.4802	2.36418	3568.87	5453.87
-1360.07	-6837.94	10.4805	2.36532	3566.99	5454.61
-1358.21	-6838.92	10.4807	2.36645	3565.11	5455.35
-1356.34	-6839.89	10.4809	2.36759	3563.22	5456.08
-1354.48	-6840.86	10.4812	2.36873	3561.34	5456.82
-1352.62	-6841.83	10.4814	2.36987	3559.45	5457.55
-1350.75	-6842.8	10.4816	2.371	3557.57	5458.28
-1348.89	-6843.77	10.4819	2.37213	3555.68	5459.02
-1347.02	-6844.73	10.4821	2.37327	3553.8	5459.75
-1345.16	-6845.69	10.4824	2.3744	3551.91	5460.47
-1343.29	-6846.66	10.4826	2.37553	3550.02	5461.2
-1341.43	-6847.62	10.4828	2.37666	3548.13	5461.93
-1339.56	-6848.58	10.4831	2.37779	3546.24	5462.65
-1337.69	-6849.54	10.4833	2.37892	3544.35	5463.37
-1335.83	-6850.49	10.4835	2.38005	3542.45	5464.09
-1333.96	-6851.45	10.4838	2.38117	3540.56	5464.81
-1332.09	-6852.4	10.484	2.3823	3538.66	5465.53
-1330.23	-6853.35	10.4843	2.38343	3536.77	5466.25
-1328.36	-6854.31	10.4845	2.38455	3534.87	5466.97
-1326.49	-6855.26	10.4847	2.38567	3532.98	5467.68
-1324.62	-6856.2	10.485	2.3868	3531.08	5468.39
-1322.75	-6857.15	10.4852	2.38792	3529.18	5469.1
-1320.89	-6858.1	10.4854	2.38904	3527.28	5469.81
-1319.02	-6859.04	10.4857	2.39016	3525.38	5470.52
-1317.15	-6859.98	10.4859	2.39128	3523.48	5471.23
-1315.28	-6860.92	10.4862	2.39239	3521.57	5471.94

-1313.41	-6861.86	10.4864	2.39351	3519.67	5472.64
-1311.54	-6862.8	10.4866	2.39463	3517.77	5473.34
-1309.67	-6863.74	10.4869	2.39574	3515.86	5474.05
-1307.8	-6864.68	10.4871	2.39685	3513.95	5474.75
-1305.93	-6865.61	10.4874	2.39797	3512.05	5475.45
-1304.05	-6866.54	10.4876	2.39908	3510.14	5476.14
-1302.18	-6867.47	10.4878	2.40019	3508.23	5476.84
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-1298.44	-6869.33	10.4883	2.40241	3504.41	5478.23
-1296.57	-6870.26	10.4886	2.40352	3502.5	5478.92
-1294.69	-6871.19	10.4888	2.40463	3500.59	5479.61
-1292.82	-6872.11	10.489	2.40573	3498.67	5480.3
-1290.95	-6873.03	10.4893	2.40684	3496.76	5480.99
-1289.08	-6873.95	10.4895	2.40795	3494.84	5481.67
-1287.2	-6874.87	10.4897	2.40905	3492.93	5482.36
-1285.33	-6875.79	10.49	2.41015	3491.01	5483.04
-1283.45	-6876.71	10.4902	2.41126	3489.09	5483.72
-1281.58	-6877.63	10.4905	2.41236	3487.17	5484.41
-1279.7	-6878.54	10.4907	2.41346	3485.25	5485.08
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-1275.95	-6880.37	10.4912	2.41566	3481.41	5486.44
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-1272.2	-6882.19	10.4917	2.41785	3477.57	5487.79
-1270.33	-6883.09	10.4919	2.41895	3475.64	5488.46
-1268.45	-6884	10.4921	2.42004	3473.72	5489.13
-1266.58	-6884.9	10.4924	2.42114	3471.79	5489.8
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-1262.82	-6886.71	10.4929	2.42332	3467.94	5491.14
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-1259.07	-6888.51	10.4933	2.4255	3464.08	5492.47
-1257.19	-6889.41	10.4936	2.42659	3462.15	5493.13
-1255.31	-6890.3	10.4938	2.42768	3460.22	5493.79
-1253.43	-6891.2	10.4941	2.42877	3458.29	5494.45
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-1249.68	-6892.98	10.4945	2.43094	3454.42	5495.76
-1247.8	-6893.87	10.4948	2.43203	3452.49	5496.42
-1245.92	-6894.76	10.495	2.43311	3450.55	5497.07
-1244.04	-6895.65	10.4953	2.4342	3448.61	5497.73
-1242.16	-6896.54	10.4955	2.43528	3446.68	5498.38
-1240.28	-6897.42	10.4957	2.43636	3444.74	5499.03
-1238.4	-6898.31	10.496	2.43744	3442.8	5499.68
-1236.52	-6899.19	10.4962	2.43852	3440.86	5500.32
-1234.64	-6900.07	10.4965	2.4396	3438.92	5500.97
-1232.75	-6900.95	10.4967	2.44068	3436.98	5501.61
-1230.87	-6901.83	10.497	2.44175	3435.04	5502.26
-1228.99	-6902.7	10.4972	2.44283	3433.09	5502.9
-1227.11	-6903.58	10.4974	2.44391	3431.15	5503.54
-1225.23	-6904.45	10.4977	2.44498	3429.2	5504.18
-1223.34	-6905.33	10.4979	2.44605	3427.26	5504.81
-1221.46	-6906.2	10.4982	2.44713	3425.31	5505.45
-1219.58	-6907.07	10.4984	2.4482	3423.36	5506.08
-1217.7	-6907.94	10.4986	2.44927	3421.41	5506.72
-1215.81	-6908.8	10.4989	2.45034	3419.46	5507.35
-1213.93	-6909.67	10.4991	2.45141	3417.51	5507.98
-1212.05	-6910.53	10.4994	2.45248	3415.56	5508.6
-1210.16	-6911.4	10.4996	2.45354	3413.61	5509.23
-1208.28	-6912.26	10.4998	2.45461	3411.66	5509.86

-1206.39	-6913.12	10.5001	2.45568	3409.7	5510.48
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-1202.62	-6914.83	10.5006	2.4578	3405.79	5511.73
-1200.74	-6915.69	10.5008	2.45887	3403.83	5512.35
-1198.85	-6916.54	10.5011	2.45993	3401.88	5512.97
-1196.97	-6917.4 10.5013	2.46099	3399.92	5513.58	
-1195.08	-6918.25	10.5015	2.46205	3397.96	5514.2
-1193.19	-6919.1 10.5018	2.46311	3396	5514.81	
-1191.31	-6919.95	10.502	2.46417	3394.04	5515.43
-1189.42	-6920.79	10.5023	2.46523	3392.08	5516.04
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-1181.87	-6924.17	10.5032	2.46945	3384.22	5518.47
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-1168.65	-6930.02	10.5049	2.4768	3370.44	5522.67
-1166.76	-6930.85	10.5052	2.47785	3368.47	5523.26
-1164.87	-6931.68	10.5054	2.47889	3366.49	5523.86
-1162.98	-6932.51	10.5057	2.47994	3364.52	5524.45
-1161.09	-6933.34	10.5059	2.48098	3362.54	5525.04
-1159.2 -6934.16	10.5062	2.48203	3360.57	5525.63	
-1157.31	-6934.98	10.5064	2.48307	3358.59	5526.21
-1155.42	-6935.81	10.5066	2.48411	3356.61	5526.8
-1153.52	-6936.63	10.5069	2.48515	3354.63	5527.38
-1151.63	-6937.45	10.5071	2.48619	3352.66	5527.97
-1149.74	-6938.26	10.5074	2.48723	3350.67	5528.55
-1147.85	-6939.08	10.5076	2.48827	3348.69	5529.13
-1145.96	-6939.9 10.5079	2.48931	3346.71	5529.71	
-1144.06	-6940.71	10.5081	2.49034	3344.73	5530.29
-1142.17	-6941.52	10.5084	2.49138	3342.75	5530.86
-1140.28	-6942.33	10.5086	2.49241	3340.76	5531.44
-1138.39	-6943.14	10.5088	2.49345	3338.78	5532.01
-1136.49	-6943.95	10.5091	2.49448	3336.79	5532.58
-1134.6 -6944.76	10.5093	2.49551	3334.8	5533.15	
-1132.7 -6945.56	10.5096	2.49654	3332.81	5533.72	
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-1128.92	-6947.17	10.5101	2.4986	3328.84	5534.85
-1127.02	-6947.97	10.5103	2.49963	3326.84	5535.41
-1125.13	-6948.77	10.5106	2.50066	3324.85	5535.98
-1123.23	-6949.57	10.5108	2.50168	3322.86	5536.54
-1121.34	-6950.37	10.511	2.50271	3320.87	5537.1
-1119.44	-6951.16	10.5113	2.50373	3318.87	5537.66
-1117.55	-6951.96	10.5115	2.50476	3316.88	5538.21
-1115.65	-6952.75	10.5118	2.50578	3314.88	5538.77
-1113.75	-6953.54	10.512	2.5068	3312.89	5539.32
-1111.86	-6954.33	10.5123	2.50782	3310.89	5539.88
-1109.96	-6955.12	10.5125	2.50884	3308.89	5540.43
-1108.06	-6955.91	10.5128	2.50986	3306.89	5540.98
-1106.17	-6956.7 10.513	2.51088	3304.89	5541.53	
-1104.27	-6957.48	10.5133	2.5119	3302.89	5542.07
-1102.37	-6958.26	10.5135	2.51292	3300.89	5542.62
-1100.47	-6959.04	10.5137	2.51393	3298.89	5543.16

-1098.58	-6959.83	10.514	2.51495	3296.88	5543.7
-1096.68	-6960.6	10.5142	2.51596	3294.88	5544.25
-1094.78	-6961.38	10.5145	2.51698	3292.87	5544.78
-1092.88	-6962.16	10.5147	2.51799	3290.87	5545.32
-1090.98	-6962.93	10.515	2.519	3288.86	5545.86
-1089.08	-6963.71	10.5152	2.52001	3286.85	5546.39
-1087.18	-6964.48	10.5155	2.52102	3284.84	5546.93
-1085.28	-6965.25	10.5157	2.52203	3282.83	5547.46
-1083.38	-6966.02	10.516	2.52304	3280.82	5547.99
-1081.48	-6966.79	10.5162	2.52405	3278.81	5548.52
-1079.58	-6967.55	10.5165	2.52505	3276.8	5549.05
-1077.68	-6968.32	10.5167	2.52606	3274.79	5549.57
-1075.78	-6969.08	10.517	2.52706	3272.77	5550.1
-1073.88	-6969.84	10.5172	2.52807	3270.76	5550.62
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-1068.18	-6972.12	10.5179	2.53108	3264.71	5552.18
-1066.28	-6972.88	10.5182	2.53208	3262.69	5552.7
-1064.38	-6973.64	10.5184	2.53308	3260.67	5553.22
-1062.47	-6974.39	10.5187	2.53407	3258.65	5553.73
-1060.57	-6975.14	10.5189	2.53507	3256.63	5554.25
-1058.67	-6975.89	10.5192	2.53607	3254.61	5554.76
-1056.77	-6976.64	10.5194	2.53707	3252.59	5555.27
-1054.86	-6977.39	10.5197	2.53806	3250.56	5555.78
-1052.96	-6978.14	10.5199	2.53905	3248.54	5556.28
-1051.06	-6978.88	10.5202	2.54005	3246.51	5556.79
-1049.15	-6979.63	10.5204	2.54104	3244.49	5557.29
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-1043.44	-6981.85	10.5212	2.54401	3238.41	5558.8
-1041.54	-6982.59	10.5214	2.545	3236.38	5559.3
-1039.63	-6983.33	10.5217	2.54599	3234.35	5559.79
-1037.73	-6984.07	10.5219	2.54698	3232.32	5560.29
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-1033.92	-6985.53	10.5224	2.54895	3228.25	5561.28
-1032.01	-6986.27	10.5227	2.54994	3226.22	5561.77
-1030.11	-6987	10.5229	2.55092	3224.18	5562.26
-1028.2	-6987.72	10.5232	2.5519	3222.15	5562.75
-1026.29	-6988.45	10.5234	2.55289	3220.11	5563.23
-1024.39	-6989.18	10.5237	2.55387	3218.07	5563.72
-1022.48	-6989.9	10.5239	2.55485	3216.04	5564.2
-1020.57	-6990.63	10.5242	2.55583	3214	5564.68
-1018.67	-6991.35	10.5244	2.55681	3211.96	5565.17
-1016.76	-6992.07	10.5247	2.55778	3209.92	5565.65
-1014.85	-6992.79	10.5249	2.55876	3207.88	5566.12
-1012.95	-6993.51	10.5252	2.55974	3205.84	5566.6
-1011.04	-6994.22	10.5254	2.56071	3203.79	5567.07
-1009.13	-6994.94	10.5257	2.56169	3201.75	5567.55
-1007.22	-6995.65	10.5259	2.56266	3199.7	5568.02
-1005.31	-6996.37	10.5262	2.56363	3197.66	5568.49
-1003.4	-6997.08	10.5264	2.56461	3195.61	5568.96
-1001.5	-6997.79	10.5267	2.56558	3193.57	5569.43
-999.587	-6998.49	10.5269	2.56655	3191.52	5569.89
-997.678	-6999.2	10.5272	2.56752	3189.47	5570.36
-995.768	-6999.91	10.5274	2.56849	3187.42	5570.82
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-990.039	-7002.01	10.5282	2.57139	3181.27	5572.2
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-986.219	-7003.41	10.5287	2.57332	3177.16	5573.12
-984.308	-7004.11	10.5289	2.57428	3175.1	5573.57
-982.398	-7004.81	10.5292	2.57524	3173.05	5574.03
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-972.841	-7008.27	10.5304	2.58004	3162.76	5576.27
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-969.017	-7009.64	10.531	2.58196	3158.64	5577.16
-967.105	-7010.32	10.5312	2.58291	3156.57	5577.6
-965.192	-7011.01	10.5315	2.58387	3154.51	5578.04
-963.28	-7011.69	10.5317	2.58482	3152.45	5578.47
-961.367	-7012.37	10.532	2.58577	3150.38	5578.91
-959.454	-7013.05	10.5322	2.58673	3148.32	5579.35
-957.541	-7013.73	10.5325	2.58768	3146.25	5579.78
-955.627	-7014.4	10.5327	2.58863	3144.18	5580.21
-953.714	-7015.08	10.533	2.58958	3142.12	5580.64
-951.8	-7015.75	10.5332	2.59053	3140.05	5581.07
-949.886	-7016.42	10.5335	2.59148	3137.98	5581.5
-947.972	-7017.1	10.5337	2.59242	3135.91	5581.93
-946.057	-7017.76	10.534	2.59337	3133.83	5582.35
-944.143	-7018.43	10.5342	2.59431	3131.76	5582.77
-942.228	-7019.1	10.5345	2.59526	3129.69	5583.2
-940.313	-7019.77	10.5348	2.5962	3127.61	5583.62
-938.398	-7020.43	10.535	2.59715	3125.54	5584.03
-936.483	-7021.09	10.5353	2.59809	3123.46	5584.45
-934.567	-7021.75	10.5355	2.59903	3121.39	5584.87
-932.651	-7022.41	10.5358	2.59997	3119.31	5585.28
-930.736	-7023.07	10.536	2.60091	3117.23	5585.69
-928.819	-7023.73	10.5363	2.60185	3115.15	5586.11
-926.903	-7024.38	10.5365	2.60279	3113.07	5586.52
-924.987	-7025.04	10.5368	2.60372	3110.99	5586.92
-923.07	-7025.69	10.537	2.60466	3108.91	5587.33
-921.153	-7026.34	10.5373	2.6056	3106.83	5587.74
-919.236	-7026.99	10.5376	2.60653	3104.75	5588.14
-917.319	-7027.64	10.5378	2.60746	3102.66	5588.54
-915.402	-7028.29	10.5381	2.6084	3100.58	5588.94
-913.484	-7028.94	10.5383	2.60933	3098.49	5589.34
-911.567	-7029.58	10.5386	2.61026	3096.41	5589.74
-909.649	-7030.22	10.5388	2.61119	3094.32	5590.14
-907.731	-7030.87	10.5391	2.61212	3092.23	5590.53
-905.812	-7031.51	10.5394	2.61305	3090.14	5590.92
-903.894	-7032.15	10.5396	2.61398	3088.05	5591.32
-901.975	-7032.78	10.5399	2.6149	3085.96	5591.71
-900.057	-7033.42	10.5401	2.61583	3083.87	5592.09
-898.138	-7034.05	10.5404	2.61675	3081.78	5592.48
-896.218	-7034.69	10.5406	2.61768	3079.68	5592.87
-894.299	-7035.32	10.5409	2.6186	3077.59	5593.25
-892.38	-7035.95	10.5412	2.61953	3075.5	5593.63
-890.46	-7036.58	10.5414	2.62045	3073.4	5594.02
-888.54	-7037.21	10.5417	2.62137	3071.3	5594.4
-886.62	-7037.84	10.5419	2.62229	3069.21	5594.77
-884.7	-7038.46	10.5422	2.62321	3067.11	5595.15
-882.779	-7039.08	10.5424	2.62413	3065.01	5595.52

-880.859	-7039.71	10.5427	2.62504	3062.91	5595.9
-878.938	-7040.33	10.543	2.62596	3060.81	5596.27
-877.017	-7040.95	10.5432	2.62688	3058.71	5596.64
-875.096	-7041.57	10.5435	2.62779	3056.6	5597.01
-873.175	-7042.18	10.5437	2.62871	3054.5	5597.38
-871.254	-7042.8 10.544	2.62962	3052.4	5597.74	
-869.332	-7043.41	10.5442	2.63053	3050.29	5598.11
-867.41 -7044.03	10.5445	2.63145	3048.19	5598.47	
-865.488	-7044.64	10.5448	2.63236	3046.08	5598.83
-863.566	-7045.25	10.545	2.63327	3043.97	5599.19
-861.644	-7045.86	10.5453	2.63418	3041.87	5599.55
-859.721	-7046.47	10.5455	2.63508	3039.76	5599.91
-857.799	-7047.07	10.5458	2.63599	3037.65	5600.26
-855.876	-7047.68	10.5461	2.6369	3035.54	5600.62
-853.953	-7048.28	10.5463	2.6378	3033.43	5600.97
-852.03 -7048.88	10.5466	2.63871	3031.31	5601.32	
-850.107	-7049.48	10.5468	2.63961	3029.2	5601.67
-848.183	-7050.08	10.5471	2.64052	3027.09	5602.02
-846.26 -7050.68	10.5474	2.64142	3024.97	5602.36	
-844.336	-7051.27	10.5476	2.64232	3022.86	5602.71
-842.412	-7051.87	10.5479	2.64322	3020.74	5603.05
-840.488	-7052.46	10.5481	2.64412	3018.62	5603.39
-838.563	-7053.06	10.5484	2.64502	3016.51	5603.73
-836.639	-7053.65	10.5487	2.64592	3014.39	5604.07
-834.714	-7054.24	10.5489	2.64682	3012.27	5604.41
-832.789	-7054.82	10.5492	2.64772	3010.15	5604.75
-830.864	-7055.41	10.5494	2.64861	3008.03	5605.08
-828.939	-7056 10.5497	2.64951	3005.91	5605.41	
-827.014	-7056.58	10.55	2.6504	3003.78	5605.74
-825.089	-7057.16	10.5502	2.6513	3001.66	5606.07
-823.163	-7057.74	10.5505	2.65219	2999.53	5606.4
-821.237	-7058.32	10.5508	2.65308	2997.41	5606.73
-819.311	-7058.9 10.551	2.65397	2995.28	5607.05	
-817.385	-7059.48	10.5513	2.65486	2993.16	5607.38
-815.459	-7060.06	10.5515	2.65575	2991.03	5607.7
-813.532	-7060.63	10.5518	2.65664	2988.9	5608.02
-811.606	-7061.2 10.5521	2.65753	2986.77	5608.34	
-809.679	-7061.78	10.5523	2.65841	2984.64	5608.65
-807.752	-7062.35	10.5526	2.6593	2982.51	5608.97
-805.825	-7062.91	10.5529	2.66019	2980.38	5609.28
-803.898	-7063.48	10.5531	2.66107	2978.25	5609.6
-801.97 -7064.05	10.5534	2.66195	2976.11	5609.91	
-800.043	-7064.61	10.5536	2.66284	2973.98	5610.22
-798.115	-7065.18	10.5539	2.66372	2971.84	5610.52
-796.187	-7065.74	10.5542	2.6646	2969.71	5610.83
-794.259	-7066.3 10.5544	2.66548	2967.57	5611.14	
-792.331	-7066.86	10.5547	2.66636	2965.43	5611.44
-790.403	-7067.42	10.555	2.66724	2963.3	5611.74
-788.474	-7067.97	10.5552	2.66812	2961.16	5612.04
-786.546	-7068.53	10.5555	2.66899	2959.02	5612.34
-784.617	-7069.08	10.5558	2.66987	2956.88	5612.64
-782.688	-7069.63	10.556	2.67075	2954.73	5612.93
-780.759	-7070.19	10.5563	2.67162	2952.59	5613.23
-778.83 -7070.74	10.5565	2.67249	2950.45	5613.52	
-776.9 -7071.28	10.5568	2.67337	2948.31	5613.81	
-774.971	-7071.83	10.5571	2.67424	2946.16	5614.1
-773.041	-7072.38	10.5573	2.67511	2944.01	5614.39

-771.111	-7072.92	10.5576	2.67598	2941.87	5614.68
-769.181	-7073.46	10.5579	2.67685	2939.72	5614.96
-767.251	-7074	10.5581	2.67772	2937.57	5615.24
-765.321	-7074.54	10.5584	2.67859	2935.42	5615.52
-763.39	-7075.08	10.5587	2.67945	2933.28	5615.81
-761.459	-7075.62	10.5589	2.68032	2931.12	5616.08
-759.529	-7076.16	10.5592	2.68119	2928.97	5616.36
-757.598	-7076.69	10.5595	2.68205	2926.82	5616.64
-755.667	-7077.22	10.5597	2.68291	2924.67	5616.91
-753.735	-7077.76	10.56	2.68378	2922.52	5617.18
-751.804	-7078.29	10.5603	2.68464	2920.36	5617.45
-749.873	-7078.82	10.5605	2.6855	2918.21	5617.72
-747.941	-7079.34	10.5608	2.68636	2916.05	5617.99
-746.009	-7079.87	10.5611	2.68722	2913.89	5618.26
-744.077	-7080.39	10.5613	2.68808	2911.74	5618.52
-742.145	-7080.92	10.5616	2.68894	2909.58	5618.79
-740.213	-7081.44	10.5619	2.6898	2907.42	5619.05
-738.28	-7081.96	10.5621	2.69065	2905.26	5619.31
-736.348	-7082.48	10.5624	2.69151	2903.1	5619.56
-734.415	-7083	10.5627	2.69236	2900.94	5619.82
-732.482	-7083.52	10.5629	2.69322	2898.77	5620.08
-730.549	-7084.03	10.5632	2.69407	2896.61	5620.33
-728.616	-7084.54	10.5635	2.69492	2894.45	5620.58
-726.683	-7085.06	10.5637	2.69578	2892.28	5620.83
-724.75	-7085.57	10.564	2.69663	2890.11	5621.08
-722.816	-7086.08	10.5643	2.69748	2887.95	5621.33
-720.882	-7086.59	10.5646	2.69833	2885.78	5621.58
-718.948	-7087.09	10.5648	2.69917	2883.61	5621.82
-717.014	-7087.6	10.5651	2.70002	2881.44	5622.06
-715.08	-7088.1	10.5654	2.70087	2879.27	5622.31
-713.146	-7088.61	10.5656	2.70171	2877.1	5622.54
-711.212	-7089.11	10.5659	2.70256	2874.93	5622.78
-709.277	-7089.61	10.5662	2.7034	2872.76	5623.02
-707.342	-7090.11	10.5664	2.70425	2870.59	5623.25
-705.408	-7090.61	10.5667	2.70509	2868.41	5623.49
-703.473	-7091.1	10.567	2.70593	2866.24	5623.72
-701.538	-7091.6	10.5672	2.70677	2864.06	5623.95
-699.602	-7092.09	10.5675	2.70761	2861.89	5624.18
-697.667	-7092.58	10.5678	2.70845	2859.71	5624.41
-695.732	-7093.07	10.5681	2.70929	2857.53	5624.63
-693.796	-7093.56	10.5683	2.71013	2855.36	5624.86
-691.86	-7094.05	10.5686	2.71097	2853.18	5625.08
-689.924	-7094.54	10.5689	2.7118	2851	5625.3
-687.988	-7095.02	10.5691	2.71264	2848.82	5625.52
-686.052	-7095.51	10.5694	2.71347	2846.63	5625.74
-684.116	-7095.99	10.5697	2.71431	2844.45	5625.95
-682.179	-7096.47	10.57	2.71514	2842.27	5626.17
-680.243	-7096.95	10.5702	2.71597	2840.08	5626.38
-678.306	-7097.43	10.5705	2.7168	2837.9	5626.59
-676.369	-7097.91	10.5708	2.71763	2835.71	5626.8
-674.432	-7098.38	10.571	2.71846	2833.53	5627.01
-672.495	-7098.85	10.5713	2.71929	2831.34	5627.22
-670.558	-7099.33	10.5716	2.72012	2829.15	5627.42
-668.62	-7099.8	10.5719	2.72095	2826.96	5627.62
-666.683	-7100.27	10.5721	2.72178	2824.77	5627.83
-664.745	-7100.74	10.5724	2.7226	2822.58	5628.03
-662.807	-7101.21	10.5727	2.72343	2820.39	5628.23

-660.869	-7101.67	10.573	2.72425	2818.2	5628.42
-658.931	-7102.14	10.5732	2.72507	2816.01	5628.62
-656.993	-7102.6	10.5735	2.7259	2813.81	5628.81
-655.055	-7103.06	10.5738	2.72672	2811.62	5629
-653.117	-7103.52	10.5741	2.72754	2809.43	5629.2
-651.178	-7103.98	10.5743	2.72836	2807.23	5629.38
-649.239	-7104.44	10.5746	2.72918	2805.03	5629.57
-647.301	-7104.9	10.5749	2.73	2802.83	5629.76
-645.362	-7105.35	10.5752	2.73082	2800.64	5629.94
-643.423	-7105.8	10.5754	2.73163	2798.44	5630.13
-641.483	-7106.26	10.5757	2.73245	2796.24	5630.31
-639.544	-7106.71	10.576	2.73326	2794.04	5630.49
-637.605	-7107.16	10.5763	2.73408	2791.84	5630.67
-635.665	-7107.61	10.5765	2.73489	2789.63	5630.84
-633.725	-7108.05	10.5768	2.73571	2787.43	5631.02
-631.786	-7108.5	10.5771	2.73652	2785.23	5631.19
-629.846	-7108.94	10.5774	2.73733	2783.02	5631.36
-627.906	-7109.38	10.5776	2.73814	2780.82	5631.53
-625.965	-7109.83	10.5779	2.73895	2778.61	5631.7
-624.025	-7110.27	10.5782	2.73976	2776.4	5631.87
-622.085	-7110.7	10.5785	2.74057	2774.2	5632.03
-620.144	-7111.14	10.5787	2.74137	2771.99	5632.2
-618.203	-7111.58	10.579	2.74218	2769.78	5632.36
-616.263	-7112.01	10.5793	2.74299	2767.57	5632.52
-614.322	-7112.45	10.5796	2.74379	2765.36	5632.68
-612.381	-7112.88	10.5798	2.7446	2763.15	5632.83
-610.439	-7113.31	10.5801	2.7454	2760.93	5632.99
-608.498	-7113.74	10.5804	2.7462	2758.72	5633.15
-606.557	-7114.17	10.5807	2.747	2756.51	5633.3
-604.615	-7114.59	10.581	2.74781	2754.29	5633.45
-602.674	-7115.02	10.5812	2.74861	2752.08	5633.6
-600.732	-7115.44	10.5815	2.7494	2749.86	5633.75
-598.79	-7115.86	10.5818	2.7502	2747.64	5633.89
-596.848	-7116.28	10.5821	2.751	2745.43	5634.04
-594.906	-7116.7	10.5824	2.7518	2743.21	5634.18
-592.964	-7117.12	10.5826	2.75259	2740.99	5634.32
-591.021	-7117.54	10.5829	2.75339	2738.77	5634.46
-589.079	-7117.95	10.5832	2.75419	2736.55	5634.6
-587.136	-7118.37	10.5835	2.75498	2734.32	5634.73
-585.194	-7118.78	10.5837	2.75577	2732.1	5634.87
-583.251	-7119.19	10.584	2.75656	2729.88	5635
-581.308	-7119.6	10.5843	2.75736	2727.65	5635.13
-579.365	-7120.01	10.5846	2.75815	2725.43	5635.26
-577.422	-7120.42	10.5849	2.75894	2723.2	5635.39
-575.479	-7120.82	10.5851	2.75973	2720.98	5635.52
-573.535	-7121.23	10.5854	2.76051	2718.75	5635.65
-571.592	-7121.63	10.5857	2.7613	2716.52	5635.77
-569.648	-7122.03	10.586	2.76209	2714.29	5635.89
-567.705	-7122.43	10.5863	2.76287	2712.06	5636.01
-565.761	-7122.83	10.5866	2.76366	2709.83	5636.13
-563.817	-7123.23	10.5868	2.76444	2707.6	5636.25
-561.873	-7123.63	10.5871	2.76523	2705.37	5636.36
-559.929	-7124.02	10.5874	2.76601	2703.14	5636.48
-557.985	-7124.41	10.5877	2.76679	2700.9	5636.59
-556.04	-7124.81	10.588	2.76757	2698.67	5636.7
-554.096	-7125.2	10.5882	2.76836	2696.44	5636.81
-552.151	-7125.59	10.5885	2.76913	2694.2	5636.92

-550.207	-7125.97	10.5888	2.76991	2691.96	5637.02
-548.262	-7126.36	10.5891	2.77069	2689.73	5637.13
-546.317	-7126.75	10.5894	2.77147	2687.49	5637.23
-544.372	-7127.13	10.5897	2.77225	2685.25	5637.33
-542.427	-7127.51	10.5899	2.77302	2683.01	5637.43
-540.482	-7127.9	10.5902	2.7738	2680.77	5637.53
-538.536	-7128.27	10.5905	2.77457	2678.53	5637.62
-536.591	-7128.65	10.5908	2.77534	2676.29	5637.72
-534.645	-7129.03	10.5911	2.77612	2674.04	5637.81
-532.7	-7129.41	10.5914	2.77689	2671.8	5637.9
-530.754	-7129.78	10.5916	2.77766	2669.56	5637.99
-528.808	-7130.15	10.5919	2.77843	2667.31	5638.08
-526.862	-7130.53	10.5922	2.7792	2665.06	5638.16
-524.916	-7130.9	10.5925	2.77997	2662.82	5638.25
-522.97	-7131.27	10.5928	2.78074	2660.57	5638.33
-521.024	-7131.63	10.5931	2.7815	2658.32	5638.41
-519.077	-7132	10.5934	2.78227	2656.07	5638.49
-517.131	-7132.36	10.5936	2.78304	2653.82	5638.57
-515.184	-7132.73	10.5939	2.7838	2651.57	5638.65
-513.238	-7133.09	10.5942	2.78456	2649.32	5638.72
-511.291	-7133.45	10.5945	2.78533	2647.07	5638.8
-509.344	-7133.81	10.5948	2.78609	2644.82	5638.87
-507.397	-7134.17	10.5951	2.78685	2642.56	5638.94
-505.45	-7134.53	10.5954	2.78761	2640.31	5639
-503.503	-7134.88	10.5956	2.78837	2638.06	5639.07
-501.556	-7135.23	10.5959	2.78913	2635.8	5639.14
-499.608	-7135.59	10.5962	2.78989	2633.54	5639.2
-497.661	-7135.94	10.5965	2.79065	2631.29	5639.26
-495.713	-7136.29	10.5968	2.79141	2629.03	5639.32
-493.766	-7136.64	10.5971	2.79216	2626.77	5639.38
-491.818	-7136.98	10.5974	2.79292	2624.51	5639.44
-489.87	-7137.33	10.5977	2.79367	2622.25	5639.49
-487.922	-7137.67	10.5979	2.79443	2619.99	5639.54
-485.974	-7138.02	10.5982	2.79518	2617.73	5639.6
-484.026	-7138.36	10.5985	2.79593	2615.46	5639.65
-482.078	-7138.7	10.5988	2.79668	2613.2	5639.7
-480.13	-7139.04	10.5991	2.79744	2610.94	5639.74
-478.181	-7139.38	10.5994	2.79819	2608.67	5639.79
-476.233	-7139.71	10.5997	2.79893	2606.41	5639.83
-474.284	-7140.05	10.6	2.79968	2604.14	5639.87
-472.336	-7140.38	10.6003	2.80043	2601.87	5639.91
-470.387	-7140.71	10.6005	2.80118	2599.6	5639.95
-468.438	-7141.04	10.6008	2.80192	2597.34	5639.99
-466.489	-7141.37	10.6011	2.80267	2595.07	5640.02
-464.54	-7141.7	10.6014	2.80341	2592.8	5640.06
-462.591	-7142.03	10.6017	2.80416	2590.52	5640.09
-460.642	-7142.35	10.602	2.8049	2588.25	5640.12
-458.692	-7142.68	10.6023	2.80564	2585.98	5640.15
-456.743	-7143	10.6026	2.80639	2583.71	5640.18
-454.793	-7143.32	10.6029	2.80713	2581.43	5640.2
-452.844	-7143.64	10.6032	2.80787	2579.16	5640.23
-450.894	-7143.96	10.6035	2.80861	2576.88	5640.25
-448.944	-7144.28	10.6037	2.80934	2574.61	5640.27
-446.994	-7144.59	10.604	2.81008	2572.33	5640.29
-445.045	-7144.91	10.6043	2.81082	2570.05	5640.3
-443.095	-7145.22	10.6046	2.81156	2567.77	5640.32
-441.144	-7145.53	10.6049	2.81229	2565.49	5640.33

-439.194	-7145.84	10.6052	2.81303	2563.21	5640.34
-437.244	-7146.15	10.6055	2.81376	2560.93	5640.35
-435.294	-7146.46	10.6058	2.81449	2558.65	5640.36
-433.343	-7146.77	10.6061	2.81522	2556.37	5640.37
-431.393	-7147.07	10.6064	2.81596	2554.09	5640.38
-429.442	-7147.38	10.6067	2.81669	2551.8	5640.38
-427.491	-7147.68	10.607	2.81742	2549.52	5640.38
-425.54	-7147.98	10.6073	2.81815	2547.23	5640.38
-423.59	-7148.28	10.6076	2.81888	2544.95	5640.38
-421.639	-7148.58	10.6079	2.8196	2542.66	5640.38
-419.688	-7148.87	10.6081	2.82033	2540.37	5640.37
-417.737	-7149.17	10.6084	2.82106	2538.08	5640.37
-415.785	-7149.46	10.6087	2.82178	2535.8	5640.36
-413.834	-7149.76	10.609	2.82251	2533.51	5640.35
-411.883	-7150.05	10.6093	2.82323	2531.21	5640.34
-409.931	-7150.34	10.6096	2.82395	2528.92	5640.33
-407.98	-7150.63	10.6099	2.82468	2526.63	5640.31
-406.028	-7150.91	10.6102	2.8254	2524.34	5640.29
-404.076	-7151.2	10.6105	2.82612	2522.05	5640.28
-402.125	-7151.48	10.6108	2.82684	2519.75	5640.26
-400.173	-7151.77	10.6111	2.82756	2517.46	5640.24
-398.221	-7152.05	10.6114	2.82828	2515.16	5640.21
-396.269	-7152.33	10.6117	2.82899	2512.86	5640.19
-394.317	-7152.61	10.612	2.82971	2510.57	5640.16
-392.365	-7152.89	10.6123	2.83043	2508.27	5640.13
-390.412	-7153.16	10.6126	2.83114	2505.97	5640.1
-388.46	-7153.44	10.6129	2.83186	2503.67	5640.07
-386.508	-7153.71	10.6132	2.83257	2501.37	5640.04
-384.555	-7153.98	10.6135	2.83329	2499.07	5640
-382.603	-7154.25	10.6138	2.834	2496.77	5639.97
-380.65	-7154.52	10.6141	2.83471	2494.46	5639.93
-378.697	-7154.79	10.6144	2.83542	2492.16	5639.89
-376.745	-7155.06	10.6147	2.83613	2489.86	5639.85
-374.792	-7155.32	10.615	2.83684	2487.55	5639.8
-372.839	-7155.59	10.6153	2.83755	2485.25	5639.76
-370.886	-7155.85	10.6156	2.83826	2482.94	5639.71
-368.933	-7156.11	10.6159	2.83897	2480.63	5639.66
-366.98	-7156.37	10.6162	2.83967	2478.33	5639.61
-365.027	-7156.63	10.6165	2.84038	2476.02	5639.56
-363.073	-7156.89	10.6168	2.84108	2473.71	5639.51
-361.12	-7157.15	10.6171	2.84179	2471.4	5639.45
-359.167	-7157.4	10.6174	2.84249	2469.09	5639.4
-357.213	-7157.65	10.6177	2.84319	2466.78	5639.34
-355.259	-7157.9	10.618	2.8439	2464.46	5639.28
-353.306	-7158.16	10.6183	2.8446	2462.15	5639.22
-351.352	-7158.4	10.6186	2.8453	2459.84	5639.15
-349.398	-7158.65	10.6189	2.846	2457.52	5639.09
-347.445	-7158.9	10.6192	2.8467	2455.21	5639.02
-345.491	-7159.14	10.6195	2.84739	2452.89	5638.95
-343.537	-7159.39	10.6198	2.84809	2450.57	5638.88
-341.583	-7159.63	10.6201	2.84879	2448.26	5638.81
-339.629	-7159.87	10.6204	2.84948	2445.94	5638.74
-337.674	-7160.11	10.6207	2.85018	2443.62	5638.66
-335.72	-7160.35	10.621	2.85087	2441.3	5638.58
-333.766	-7160.59	10.6213	2.85157	2438.98	5638.5
-331.812	-7160.82	10.6216	2.85226	2436.66	5638.42
-329.857	-7161.06	10.6219	2.85295	2434.34	5638.34

-327.903	-7161.29	10.6222	2.85364	2432.02	5638.26
-325.948	-7161.52	10.6225	2.85434	2429.69	5638.17
-323.993	-7161.75	10.6228	2.85503	2427.37	5638.08
-322.039	-7161.98	10.6231	2.85571	2425.04	5637.99
-320.084	-7162.21	10.6234	2.8564	2422.72	5637.9
-318.129	-7162.43	10.6237	2.85709	2420.39	5637.81
-316.174	-7162.66	10.624	2.85778	2418.06	5637.72
-314.219	-7162.88	10.6243	2.85846	2415.74	5637.62
-312.264	-7163.1	10.6246	2.85915	2413.41	5637.52
-310.309	-7163.32	10.6249	2.85983	2411.08	5637.42
-308.354	-7163.54	10.6252	2.86052	2408.75	5637.32
-306.399	-7163.76	10.6256	2.8612	2406.42	5637.22
-304.444	-7163.98	10.6259	2.86188	2404.09	5637.11
-302.489	-7164.19	10.6262	2.86257	2401.76	5637.01
-300.533	-7164.41	10.6265	2.86325	2399.42	5636.9
-298.578	-7164.62	10.6268	2.86393	2397.09	5636.79
-296.622	-7164.83	10.6271	2.86461	2394.76	5636.68
-294.667	-7165.04	10.6274	2.86529	2392.42	5636.57
-292.711	-7165.25	10.6277	2.86596	2390.08	5636.45
-290.756	-7165.46	10.628	2.86664	2387.75	5636.33
-288.8	-7165.66	10.6283	2.86732	2385.41	5636.22
-286.844	-7165.86	10.6286	2.86799	2383.07	5636.1
-284.888	-7166.07	10.6289	2.86867	2380.73	5635.97
-282.932	-7166.27	10.6292	2.86934	2378.4	5635.85
-280.977	-7166.47	10.6295	2.87002	2376.06	5635.72
-279.021	-7166.67	10.6299	2.87069	2373.71	5635.6
-277.064	-7166.87	10.6302	2.87136	2371.37	5635.47
-275.108	-7167.06	10.6305	2.87203	2369.03	5635.34
-273.152	-7167.26	10.6308	2.8727	2366.69	5635.21
-271.196	-7167.45	10.6311	2.87337	2364.34	5635.07
-269.24	-7167.64	10.6314	2.87404	2362	5634.94
-267.283	-7167.83	10.6317	2.87471	2359.65	5634.8
-265.327	-7168.02	10.632	2.87538	2357.31	5634.66
-263.371	-7168.21	10.6323	2.87605	2354.96	5634.52
-261.414	-7168.4	10.6326	2.87671	2352.61	5634.38
-259.458	-7168.58	10.633	2.87738	2350.27	5634.23
-257.501	-7168.77	10.6333	2.87804	2347.92	5634.09
-255.544	-7168.95	10.6336	2.87871	2345.57	5633.94
-253.588	-7169.13	10.6339	2.87937	2343.22	5633.79
-251.631	-7169.31	10.6342	2.88003	2340.87	5633.64
-249.674	-7169.49	10.6345	2.88069	2338.52	5633.48
-247.717	-7169.67	10.6348	2.88135	2336.16	5633.33
-245.761	-7169.84	10.6351	2.88201	2333.81	5633.17
-243.804	-7170.02	10.6354	2.88267	2331.46	5633.01
-241.847	-7170.19	10.6358	2.88333	2329.1	5632.85
-239.89	-7170.36	10.6361	2.88399	2326.75	5632.69
-237.933	-7170.53	10.6364	2.88465	2324.39	5632.53
-235.976	-7170.7	10.6367	2.8853	2322.03	5632.36
-234.018	-7170.87	10.637	2.88596	2319.68	5632.2
-232.061	-7171.03	10.6373	2.88662	2317.32	5632.03
-230.104	-7171.2	10.6376	2.88727	2314.96	5631.86
-228.147	-7171.36	10.6379	2.88792	2312.6	5631.68
-226.189	-7171.53	10.6383	2.88858	2310.24	5631.51
-224.232	-7171.69	10.6386	2.88923	2307.88	5631.33
-222.274	-7171.85	10.6389	2.88988	2305.52	5631.16
-220.317	-7172	10.6392	2.89053	2303.16	5630.98
-218.359	-7172.16	10.6395	2.89118	2300.79	5630.8

-216.402	-7172.32	10.6398	2.89183	2298.43	5630.61
-214.444	-7172.47	10.6402	2.89248	2296.06	5630.43
-212.487	-7172.62	10.6405	2.89313	2293.7	5630.24
-210.529	-7172.77	10.6408	2.89377	2291.33	5630.05
-208.571	-7172.92	10.6411	2.89442	2288.97	5629.86
-206.613	-7173.07	10.6414	2.89507	2286.6	5629.67
-204.656	-7173.22	10.6417	2.89571	2284.23	5629.48
-202.698	-7173.37	10.6421	2.89636	2281.86	5629.28
-200.74	-7173.51	10.6424	2.897	2279.49	5629.09
-198.782	-7173.65	10.6427	2.89764	2277.12	5628.89
-196.824	-7173.8	10.643	2.89828	2274.75	5628.69
-194.866	-7173.94	10.6433	2.89893	2272.38	5628.49
-192.908	-7174.08	10.6436	2.89957	2270.01	5628.28
-190.95	-7174.21	10.644	2.90021	2267.63	5628.08
-188.992	-7174.35	10.6443	2.90084	2265.26	5627.87
-187.033	-7174.48	10.6446	2.90148	2262.89	5627.66
-185.075	-7174.62	10.6449	2.90212	2260.51	5627.45
-183.117	-7174.75	10.6452	2.90276	2258.13	5627.24
-181.159	-7174.88	10.6455	2.90339	2255.76	5627.02
-179.2	-7175.01	10.6459	2.90403	2253.38	5626.81
-177.242	-7175.14	10.6462	2.90466	2251	5626.59
-175.284	-7175.27	10.6465	2.9053	2248.62	5626.37
-173.325	-7175.39	10.6468	2.90593	2246.24	5626.15
-171.367	-7175.52	10.6471	2.90656	2243.86	5625.92
-169.408	-7175.64	10.6475	2.9072	2241.48	5625.7
-167.45	-7175.76	10.6478	2.90783	2239.1	5625.47
-165.491	-7175.88	10.6481	2.90846	2236.72	5625.24
-163.532	-7176	10.6484	2.90909	2234.34	5625.01
-161.574	-7176.12	10.6488	2.90972	2231.95	5624.78
-159.615	-7176.23	10.6491	2.91034	2229.57	5624.54
-157.656	-7176.35	10.6494	2.91097	2227.18	5624.31
-155.698	-7176.46	10.6497	2.9116	2224.8	5624.07
-153.739	-7176.57	10.65	2.91222	2222.41	5623.83
-151.78	-7176.68	10.6504	2.91285	2220.02	5623.59
-149.821	-7176.79	10.6507	2.91347	2217.64	5623.35
-147.862	-7176.9	10.651	2.9141	2215.25	5623.1
-145.904	-7177.01	10.6513	2.91472	2212.86	5622.86
-143.945	-7177.11	10.6517	2.91534	2210.47	5622.61
-141.986	-7177.22	10.652	2.91597	2208.08	5622.36
-140.027	-7177.32	10.6523	2.91659	2205.69	5622.1
-138.068	-7177.42	10.6526	2.91721	2203.29	5621.85
-136.109	-7177.52	10.6529	2.91783	2200.9	5621.6
-134.15	-7177.62	10.6533	2.91845	2198.51	5621.34
-132.191	-7177.72	10.6536	2.91906	2196.11	5621.08
-130.231	-7177.81	10.6539	2.91968	2193.72	5620.82
-128.272	-7177.91	10.6542	2.9203	2191.32	5620.56
-126.313	-7178	10.6546	2.92091	2188.93	5620.29
-124.354	-7178.09	10.6549	2.92153	2186.53	5620.02
-122.395	-7178.18	10.6552	2.92214	2184.13	5619.76
-120.435	-7178.27	10.6555	2.92276	2181.73	5619.49
-118.476	-7178.36	10.6559	2.92337	2179.33	5619.21
-116.517	-7178.44	10.6562	2.92398	2176.93	5618.94
-114.558	-7178.53	10.6565	2.9246	2174.53	5618.67
-112.598	-7178.61	10.6569	2.92521	2172.13	5618.39
-110.639	-7178.69	10.6572	2.92582	2169.73	5618.11
-108.679	-7178.77	10.6575	2.92643	2167.33	5617.83
-106.72	-7178.85	10.6578	2.92704	2164.93	5617.55

-104.761	-7178.93	10.6582	2.92764	2162.52	5617.26
-102.801	-7179.01	10.6585	2.92825	2160.12	5616.98
-100.842	-7179.08	10.6588	2.92886	2157.71	5616.69
-98.8821	-7179.16	10.6591	2.92946	2155.31	5616.4
-96.9226	-7179.23	10.6595	2.93007	2152.9	5616.11
-94.9631	-7179.3	10.6598	2.93067	2150.49	5615.81
-93.0035	-7179.37	10.6601	2.93128	2148.08	5615.52
-91.0439	-7179.44	10.6605	2.93188	2145.67	5615.22
-89.0843	-7179.51	10.6608	2.93248	2143.26	5614.92
-87.1247	-7179.57	10.6611	2.93309	2140.85	5614.62
-85.1651	-7179.64	10.6615	2.93369	2138.44	5614.32
-83.2054	-7179.7	10.6618	2.93429	2136.03	5614.01
-81.2458	-7179.76	10.6621	2.93489	2133.62	5613.71
-79.2861	-7179.82	10.6624	2.93549	2131.21	5613.4
-77.3263	-7179.88	10.6628	2.93608	2128.79	5613.09
-75.3666	-7179.94	10.6631	2.93668	2126.38	5612.78
-73.4069	-7180	10.6634	2.93728	2123.96	5612.46
-71.4471	-7180.05	10.6638	2.93787	2121.55	5612.15
-69.4873	-7180.11	10.6641	2.93847	2119.13	5611.83
-67.5275	-7180.16	10.6644	2.93906	2116.71	5611.51
-65.5677	-7180.21	10.6648	2.93966	2114.3	5611.19
-63.6079	-7180.26	10.6651	2.94025	2111.88	5610.87
-61.6481	-7180.31	10.6654	2.94085	2109.46	5610.55
-59.6882	-7180.35	10.6658	2.94144	2107.04	5610.22
-57.7284	-7180.4	10.6661	2.94203	2104.62	5609.89
-55.7685	-7180.44	10.6664	2.94262	2102.2	5609.56
-53.8086	-7180.49	10.6668	2.94321	2099.78	5609.23
-51.8487	-7180.53	10.6671	2.9438	2097.35	5608.9
-49.8888	-7180.57	10.6674	2.94439	2094.93	5608.56
-47.9289	-7180.61	10.6678	2.94497	2092.51	5608.22
-45.9689	-7180.64	10.6681	2.94556	2090.08	5607.88
-44.009	-7180.68	10.6684	2.94615	2087.66	5607.54
-42.049	-7180.71	10.6688	2.94673	2085.23	5607.2
-40.0891	-7180.75	10.6691	2.94732	2082.8	5606.86
-38.1291	-7180.78	10.6694	2.9479	2080.38	5606.51
-36.1691	-7180.81	10.6698	2.94849	2077.95	5606.16
-34.2091	-7180.84	10.6701	2.94907	2075.52	5605.81
-32.2491	-7180.87	10.6704	2.94965	2073.09	5605.46
-30.2891	-7180.89	10.6708	2.95023	2070.66	5605.11
-28.3291	-7180.92	10.6711	2.95081	2068.23	5604.75
-26.3691	-7180.94	10.6715	2.95139	2065.8	5604.39
-24.409	-7180.97	10.6718	2.95197	2063.37	5604.03
-22.449	-7180.99	10.6721	2.95255	2060.93	5603.67
-20.4889	-7181.01	10.6725	2.95313	2058.5	5603.31
-18.5289	-7181.02	10.6728	2.95371	2056.07	5602.95
-16.5688	-7181.04	10.6731	2.95428	2053.63	5602.58
-14.6088	-7181.06	10.6735	2.95486	2051.2	5602.21
-12.6487	-7181.07	10.6738	2.95543	2048.76	5601.84
-10.6886	-7181.08	10.6742	2.95601	2046.32	5601.47
-8.72855	-7181.1	10.6745	2.95658	2043.89	5601.09
-6.76847	-7181.11	10.6748	2.95716	2041.45	5600.72
-4.80838	-7181.12	10.6752	2.95773	2039.01	5600.34
-2.84829	-7181.12	10.6755	2.9583	2036.57	5599.96
-0.888203	-7181.13	10.6759	2.95887	2034.13	5599.58
1.07189	-7181.13	10.6762	2.95944	2031.69	5599.19
3.03199	-7181.14	10.6765	2.96001	2029.25	5598.81
4.99208	-7181.14	10.6769	2.96058	2026.8	5598.42

6.95218	-7181.14		10.6772	2.96115	2024.36	5598.03
8.91228	-7181.14		10.6776	2.96171	2021.92	5597.64
10.8724	-7181.14		10.6779	2.96228	2019.47	5597.25
12.8325	-7181.13		10.6782	2.96285	2017.03	5596.86
14.7926	-7181.13		10.6786	2.96341	2014.58	5596.46
16.7527	-7181.12		10.6789	2.96398	2012.14	5596.06
18.7128	-7181.12		10.6793	2.96454	2009.69	5595.66
20.6729	-7181.11		10.6796	2.96511	2007.24	5595.26
22.633	-7181.1	10.68	2.96567	2004.79	5594.85	
24.5931	-7181.09		10.6803	2.96623	2002.35	5594.45
26.5532	-7181.07		10.6806	2.96679	1999.9	5594.04
28.5133	-7181.06		10.681	2.96735	1997.45	5593.63
30.4733	-7181.04		10.6813	2.96791	1995	5593.22
32.4334	-7181.03		10.6817	2.96847	1992.54	5592.81
34.3935	-7181.01		10.682	2.96903	1990.09	5592.39
36.3536	-7180.99		10.6824	2.96959	1987.64	5591.98
38.3136	-7180.97		10.6827	2.97015	1985.19	5591.56
40.2737	-7180.95		10.6831	2.9707	1982.73	5591.14
42.2338	-7180.92		10.6834	2.97126	1980.28	5590.71
44.1938	-7180.9	10.6837	2.97181	1977.82	5590.29	
46.1539	-7180.87		10.6841	2.97237	1975.36	5589.86
48.1139	-7180.84		10.6844	2.97292	1972.91	5589.43
50.0739	-7180.81		10.6848	2.97347	1970.45	5589
52.034	-7180.78		10.6851	2.97403	1967.99	5588.57
53.994	-7180.75		10.6855	2.97458	1965.53	5588.14
55.954	-7180.72		10.6858	2.97513	1963.07	5587.7
57.914	-7180.68		10.6862	2.97568	1960.61	5587.26
59.874	-7180.65		10.6865	2.97623	1958.15	5586.82
61.834	-7180.61		10.6869	2.97678	1955.69	5586.38
63.7939	-7180.57		10.6872	2.97733	1953.23	5585.94
65.7539	-7180.53		10.6876	2.97787	1950.77	5585.49
67.7139	-7180.49		10.6879	2.97842	1948.3	5585.05
69.6738	-7180.45		10.6883	2.97897	1945.84	5584.6
71.6337	-7180.4	10.6886	2.97951	1943.37	5584.15	
73.5937	-7180.36		10.689	2.98006	1940.91	5583.69
75.5536	-7180.31		10.6893	2.9806	1938.44	5583.24
77.5135	-7180.26		10.6897	2.98115	1935.98	5582.78
79.4734	-7180.21		10.69	2.98169	1933.51	5582.32
81.4332	-7180.16		10.6904	2.98223	1931.04	5581.86
83.3931	-7180.11		10.6907	2.98277	1928.57	5581.4
85.3529	-7180.06		10.6911	2.98331	1926.1	5580.94
87.3128	-7180	10.6914	2.98385	1923.63	5580.47	
89.2726	-7179.95		10.6918	2.98439	1921.16	5580
91.2324	-7179.89		10.6921	2.98493	1918.69	5579.53
93.1922	-7179.83		10.6925	2.98547	1916.22	5579.06
95.1519	-7179.77		10.6928	2.98601	1913.75	5578.59
97.1117	-7179.71		10.6932	2.98654	1911.27	5578.11
99.0714	-7179.65		10.6935	2.98708	1908.8	5577.63
101.031	-7179.58		10.6939	2.98762	1906.32	5577.16
102.991	-7179.52		10.6942	2.98815	1903.85	5576.67
104.951	-7179.45		10.6946	2.98869	1901.37	5576.19
106.91	-7179.38		10.6949	2.98922	1898.9	5575.71
108.87	-7179.31		10.6953	2.98975	1896.42	5575.22
110.83	-7179.24		10.6956	2.99028	1893.94	5574.73
112.789	-7179.17		10.696	2.99082	1891.46	5574.24
114.749	-7179.09		10.6963	2.99135	1888.98	5573.74
116.708	-7179.02		10.6967	2.99188	1886.5	5573.25

118.668	-7178.94	10.6971	2.99241	1884.02	5572.75
120.627	-7178.86	10.6974	2.99293	1881.54	5572.25
122.587	-7178.78	10.6978	2.99346	1879.06	5571.75
124.546	-7178.7	10.6981	2.99399	1876.58	5571.25
126.506	-7178.62	10.6985	2.99452	1874.1	5570.75
128.465	-7178.54	10.6988	2.99504	1871.61	5570.24
130.425	-7178.45	10.6992	2.99557	1869.13	5569.73
132.384	-7178.37	10.6995	2.99609	1866.64	5569.22
134.344	-7178.28	10.6999	2.99662	1864.16	5568.71
136.303	-7178.19	10.7003	2.99714	1861.67	5568.2
138.262	-7178.1	10.7006	2.99766	1859.18	5567.68
140.222	-7178.01	10.701	2.99818	1856.7	5567.16
142.181	-7177.92	10.7013	2.99871	1854.21	5566.64
144.14	-7177.82	10.7017	2.99923	1851.72	5566.12
146.099	-7177.73	10.702	2.99975	1849.23	5565.6
148.059	-7177.63	10.7024	3.00027	1846.74	5565.07
150.018	-7177.53	10.7028	3.00078	1844.25	5564.54
151.977	-7177.43	10.7031	3.0013	1841.76	5564.01
153.936	-7177.33	10.7035	3.00182	1839.27	5563.48
155.895	-7177.23	10.7038	3.00234	1836.77	5562.95
157.854	-7177.12	10.7042	3.00285	1834.28	5562.41
159.813	-7177.02	10.7046	3.00337	1831.79	5561.88
161.772	-7176.91	10.7049	3.00388	1829.29	5561.34
163.731	-7176.81	10.7053	3.0044	1826.8	5560.8
165.69	-7176.7	10.7056	3.00491	1824.3	5560.25
167.649	-7176.59	10.706	3.00542	1821.8	5559.71
169.608	-7176.47	10.7064	3.00594	1819.31	5559.16
171.567	-7176.36	10.7067	3.00645	1816.81	5558.61
173.526	-7176.25	10.7071	3.00696	1814.31	5558.06
175.485	-7176.13	10.7075	3.00747	1811.81	5557.51
177.444	-7176.01	10.7078	3.00798	1809.31	5556.95
179.402	-7175.89	10.7082	3.00849	1806.81	5556.4
181.361	-7175.77	10.7085	3.00899	1804.31	5555.84
183.32	-7175.65	10.7089	3.0095	1801.81	5555.28
185.278	-7175.53	10.7093	3.01001	1799.31	5554.72
187.237	-7175.41	10.7096	3.01051	1796.81	5554.15
189.196	-7175.28	10.71	3.01102	1794.3	5553.58
191.154	-7175.15	10.7104	3.01153	1791.8	5553.02
193.113	-7175.03	10.7107	3.01203	1789.29	5552.45
195.071	-7174.9	10.7111	3.01253	1786.79	5551.87
197.03	-7174.77	10.7115	3.01304	1784.28	5551.3
198.988	-7174.63	10.7118	3.01354	1781.78	5550.72
200.947	-7174.5	10.7122	3.01404	1779.27	5550.15
202.905	-7174.36	10.7126	3.01454	1776.76	5549.56
204.863	-7174.23	10.7129	3.01504	1774.25	5548.98
206.822	-7174.09	10.7133	3.01554	1771.74	5548.4
208.78	-7173.95	10.7137	3.01604	1769.23	5547.81
210.738	-7173.81	10.714	3.01654	1766.72	5547.22
212.696	-7173.67	10.7144	3.01704	1764.21	5546.63
214.654	-7173.53	10.7148	3.01753	1761.7	5546.04
216.612	-7173.38	10.7151	3.01803	1759.19	5545.45
218.57	-7173.24	10.7155	3.01852	1756.68	5544.85
220.528	-7173.09	10.7159	3.01902	1754.16	5544.25
222.486	-7172.94	10.7162	3.01951	1751.65	5543.65
224.444	-7172.79	10.7166	3.02001	1749.13	5543.05
226.402	-7172.64	10.717	3.0205	1746.62	5542.45
228.36	-7172.49	10.7173	3.02099	1744.1	5541.84

230.318	-7172.33	10.7177	3.02148	1741.59	5541.23
232.276	-7172.18	10.7181	3.02198	1739.07	5540.62
234.233	-7172.02	10.7184	3.02247	1736.55	5540.01
236.191	-7171.86	10.7188	3.02296	1734.03	5539.4
238.149	-7171.7	10.7192	3.02345	1731.51	5538.78
240.106	-7171.54	10.7196	3.02393	1728.99	5538.16
242.064	-7171.38	10.7199	3.02442	1726.47	5537.54
244.021	-7171.22	10.7203	3.02491	1723.95	5536.92
245.979	-7171.05	10.7207	3.0254	1721.43	5536.3
247.936	-7170.89	10.721	3.02588	1718.91	5535.67
249.894	-7170.72	10.7214	3.02637	1716.39	5535.04
251.851	-7170.55	10.7218	3.02685	1713.86	5534.41
253.808	-7170.38	10.7222	3.02734	1711.34	5533.78
255.766	-7170.21	10.7225	3.02782	1708.81	5533.15
257.723	-7170.04	10.7229	3.0283	1706.29	5532.51
259.68	-7169.86	10.7233	3.02878	1703.76	5531.87
261.637	-7169.69	10.7237	3.02927	1701.24	5531.23
263.594	-7169.51	10.724	3.02975	1698.71	5530.59
265.551	-7169.33	10.7244	3.03023	1696.18	5529.95
267.508	-7169.15	10.7248	3.03071	1693.65	5529.3
269.465	-7168.97	10.7251	3.03118	1691.13	5528.65
271.422	-7168.79	10.7255	3.03166	1688.6	5528
273.379	-7168.6	10.7259	3.03214	1686.07	5527.35
275.336	-7168.42	10.7263	3.03262	1683.54	5526.7
277.292	-7168.23	10.7267	3.03309	1681	5526.04
279.249	-7168.04	10.727	3.03357	1678.47	5525.38
281.206	-7167.85	10.7274	3.03404	1675.94	5524.72
283.162	-7167.66	10.7278	3.03452	1673.41	5524.06
285.119	-7167.47	10.7282	3.03499	1670.87	5523.4
287.075	-7167.28	10.7285	3.03547	1668.34	5522.73
289.032	-7167.08	10.7289	3.03594	1665.8	5522.06
290.988	-7166.89	10.7293	3.03641	1663.27	5521.39
292.944	-7166.69	10.7297	3.03688	1660.73	5520.72
294.901	-7166.49	10.73	3.03735	1658.2	5520.05
296.857	-7166.29	10.7304	3.03782	1655.66	5519.37
298.813	-7166.09	10.7308	3.03829	1653.12	5518.69
300.769	-7165.89	10.7312	3.03876	1650.58	5518.01
302.725	-7165.68	10.7316	3.03923	1648.04	5517.33
304.681	-7165.48	10.7319	3.03969	1645.5	5516.65
306.637	-7165.27	10.7323	3.04016	1642.96	5515.96
308.593	-7165.06	10.7327	3.04063	1640.42	5515.27
310.549	-7164.85	10.7331	3.04109	1637.88	5514.58
312.504	-7164.64	10.7335	3.04156	1635.34	5513.89
314.46	-7164.43	10.7338	3.04202	1632.79	5513.2
316.416	-7164.22	10.7342	3.04249	1630.25	5512.5
318.371	-7164	10.7346	3.04295	1627.71	5511.8
320.327	-7163.78	10.735	3.04341	1625.16	5511.1
322.282	-7163.57	10.7354	3.04387	1622.62	5510.4
324.238	-7163.35	10.7358	3.04433	1620.07	5509.69
326.193	-7163.13	10.7361	3.04479	1617.53	5508.99
328.148	-7162.9	10.7365	3.04525	1614.98	5508.28
330.104	-7162.68	10.7369	3.04571	1612.43	5507.57
332.059	-7162.46	10.7373	3.04617	1609.88	5506.85
334.014	-7162.23	10.7377	3.04663	1607.33	5506.14
335.969	-7162	10.7381	3.04709	1604.78	5505.42
337.924	-7161.77	10.7384	3.04754	1602.23	5504.7
339.879	-7161.54	10.7388	3.048	1599.68	5503.98

341.834	-7161.31	10.7392	3.04845	1597.13	5503.26
343.788	-7161.08	10.7396	3.04891	1594.58	5502.53
345.743	-7160.85	10.74	3.04936	1592.03	5501.81
347.698	-7160.61	10.7404	3.04982	1589.48	5501.08
349.653	-7160.37	10.7408	3.05027	1586.92	5500.35
351.607	-7160.14	10.7411	3.05072	1584.37	5499.61
353.562	-7159.9	10.7415	3.05117	1581.81	5498.88
355.516	-7159.66	10.7419	3.05163	1579.26	5498.14
357.47	-7159.41	10.7423	3.05208	1576.7	5497.4
359.425	-7159.17	10.7427	3.05253	1574.15	5496.66
361.379	-7158.92	10.7431	3.05297	1571.59	5495.92
363.333	-7158.68	10.7435	3.05342	1569.03	5495.17
365.287	-7158.43	10.7438	3.05387	1566.47	5494.42
367.241	-7158.18	10.7442	3.05432	1563.91	5493.67
369.195	-7157.93	10.7446	3.05476	1561.36	5492.92
371.149	-7157.68	10.745	3.05521	1558.8	5492.17
373.103	-7157.43	10.7454	3.05566	1556.23	5491.41
375.057	-7157.17	10.7458	3.0561	1553.67	5490.65
377.01	-7156.92	10.7462	3.05655	1551.11	5489.89
378.964	-7156.66	10.7466	3.05699	1548.55	5489.13
380.917	-7156.4	10.747	3.05743	1545.99	5488.37
382.871	-7156.14	10.7474	3.05787	1543.42	5487.6
384.824	-7155.88	10.7477	3.05832	1540.86	5486.83
386.778	-7155.62	10.7481	3.05876	1538.29	5486.06
388.731	-7155.35	10.7485	3.0592	1535.73	5485.29
390.684	-7155.09	10.7489	3.05964	1533.16	5484.51
392.637	-7154.82	10.7493	3.06008	1530.6	5483.74
394.59	-7154.55	10.7497	3.06052	1528.03	5482.96
396.543	-7154.28	10.7501	3.06095	1525.46	5482.18
398.496	-7154.01	10.7505	3.06139	1522.89	5481.4
400.449	-7153.74	10.7509	3.06183	1520.33	5480.61
402.402	-7153.47	10.7513	3.06226	1517.76	5479.82
404.354	-7153.19	10.7517	3.0627	1515.19	5479.03
406.307	-7152.92	10.7521	3.06313	1512.62	5478.24
408.259	-7152.64	10.7525	3.06357	1510.05	5477.45
410.212	-7152.36	10.7529	3.064	1507.47	5476.65
412.164	-7152.08	10.7532	3.06444	1504.9	5475.86
414.117	-7151.8	10.7536	3.06487	1502.33	5475.06
416.069	-7151.51	10.754	3.0653	1499.76	5474.25
418.021	-7151.23	10.7544	3.06573	1497.18	5473.45
419.973	-7150.94	10.7548	3.06616	1494.61	5472.64
421.925	-7150.66	10.7552	3.06659	1492.03	5471.84
423.877	-7150.37	10.7556	3.06702	1489.46	5471.03
425.829	-7150.08	10.756	3.06745	1486.88	5470.21
427.78	-7149.79	10.7564	3.06788	1484.3	5469.4
429.732	-7149.49	10.7568	3.06831	1481.73	5468.58
431.684	-7149.2	10.7572	3.06873	1479.15	5467.76
433.635	-7148.9	10.7576	3.06916	1476.57	5466.94
435.587	-7148.61	10.758	3.06959	1473.99	5466.12
437.538	-7148.31	10.7584	3.07001	1471.41	5465.29
439.489	-7148.01	10.7588	3.07043	1468.83	5464.47
441.44	-7147.71	10.7592	3.07086	1466.25	5463.64
443.392	-7147.41	10.7596	3.07128	1463.67	5462.81
445.343	-7147.1	10.76	3.0717	1461.09	5461.97
447.294	-7146.8	10.7604	3.07213	1458.51	5461.14
449.244	-7146.49	10.7608	3.07255	1455.92	5460.3
451.195	-7146.19	10.7612	3.07297	1453.34	5459.46

453.146	-7145.88	10.7616	3.07339	1450.76	5458.62
455.097	-7145.57	10.762	3.07381	1448.17	5457.77
457.047	-7145.25	10.7624	3.07423	1445.59	5456.93
458.997	-7144.94	10.7628	3.07465	1443	5456.08
460.948	-7144.63	10.7632	3.07507	1440.41	5455.23
462.898	-7144.31	10.7636	3.07548	1437.83	5454.38
464.848	-7143.99	10.764	3.0759	1435.24	5453.52
466.798	-7143.68	10.7644	3.07632	1432.65	5452.66
468.748	-7143.36	10.7648	3.07673	1430.06	5451.81
470.698	-7143.04	10.7652	3.07715	1427.47	5450.94
472.648	-7142.71	10.7656	3.07756	1424.88	5450.08
474.598	-7142.39	10.766	3.07797	1422.29	5449.22
476.548	-7142.06	10.7664	3.07839	1419.7	5448.35
478.497	-7141.74	10.7668	3.0788	1417.11	5447.48
480.447	-7141.41	10.7672	3.07921	1414.52	5446.61
482.396	-7141.08	10.7676	3.07962	1411.93	5445.73
484.345	-7140.75	10.7681	3.08003	1409.34	5444.86
486.295	-7140.42	10.7685	3.08044	1406.74	5443.98
488.244	-7140.08	10.7689	3.08085	1404.15	5443.1
490.193	-7139.75	10.7693	3.08126	1401.55	5442.21
492.142	-7139.41	10.7697	3.08167	1398.96	5441.33
494.091	-7139.07	10.7701	3.08208	1396.36	5440.44
496.039	-7138.74	10.7705	3.08249	1393.77	5439.55
497.988	-7138.4	10.7709	3.08289	1391.17	5438.66
499.937	-7138.05	10.7713	3.0833	1388.57	5437.77
501.885	-7137.71	10.7717	3.0837	1385.97	5436.87
503.833	-7137.37	10.7721	3.08411	1383.38	5435.98
505.782	-7137.02	10.7725	3.08451	1380.78	5435.08
507.73	-7136.67	10.7729	3.08492	1378.18	5434.17
509.678	-7136.32	10.7733	3.08532	1375.58	5433.27
511.626	-7135.98	10.7738	3.08572	1372.98	5432.36
513.574	-7135.62	10.7742	3.08612	1370.38	5431.46
515.522	-7135.27	10.7746	3.08652	1367.77	5430.54
517.469	-7134.92	10.775	3.08693	1365.17	5429.63
519.417	-7134.56	10.7754	3.08733	1362.57	5428.72
521.365	-7134.21	10.7758	3.08773	1359.97	5427.8
523.312	-7133.85	10.7762	3.08812	1357.36	5426.88
525.259	-7133.49	10.7766	3.08852	1354.76	5425.96
527.207	-7133.13	10.777	3.08892	1352.15	5425.03
529.154	-7132.77	10.7775	3.08932	1349.55	5424.11
531.101	-7132.4	10.7779	3.08971	1346.94	5423.18
533.048	-7132.04	10.7783	3.09011	1344.33	5422.25
534.995	-7131.67	10.7787	3.09051	1341.73	5421.32
536.941	-7131.3	10.7791	3.0909	1339.12	5420.38
538.888	-7130.93	10.7795	3.09129	1336.51	5419.45
540.835	-7130.56	10.7799	3.09169	1333.9	5418.51
542.781	-7130.19	10.7803	3.09208	1331.29	5417.57
544.727	-7129.82	10.7808	3.09247	1328.68	5416.62
546.674	-7129.44	10.7812	3.09287	1326.07	5415.68
548.62	-7129.07	10.7816	3.09326	1323.46	5414.73
550.566	-7128.69	10.782	3.09365	1320.85	5413.78
552.512	-7128.31	10.7824	3.09404	1318.24	5412.83
554.457	-7127.93	10.7828	3.09443	1315.63	5411.87
556.403	-7127.55	10.7833	3.09482	1313.01	5410.92
558.349	-7127.17	10.7837	3.0952	1310.4	5409.96
560.294	-7126.79	10.7841	3.09559	1307.79	5409
562.24	-7126.4	10.7845	3.09598	1305.17	5408.03

564.185	-7126.01	10.7849	3.09637	1302.56	5407.07
566.13	-7125.63	10.7853	3.09675	1299.94	5406.1
568.075	-7125.24	10.7858	3.09714	1297.32	5405.13
570.02	-7124.85	10.7862	3.09752	1294.71	5404.16
571.965	-7124.45	10.7866	3.09791	1292.09	5403.18
573.91	-7124.06	10.787	3.09829	1289.47	5402.21
575.854	-7123.67	10.7874	3.09867	1286.85	5401.23
577.799	-7123.27	10.7879	3.09906	1284.24	5400.25
579.744	-7122.87	10.7883	3.09944	1281.62	5399.26
581.688	-7122.47	10.7887	3.09982	1279	5398.28
583.632	-7122.07	10.7891	3.1002	1276.38	5397.29
585.576	-7121.67	10.7895	3.10058	1273.75	5396.3
587.52	-7121.27	10.79	3.10096	1271.13	5395.31
589.464	-7120.86	10.7904	3.10134	1268.51	5394.32
591.408	-7120.46	10.7908	3.10172	1265.89	5393.32
593.352	-7120.05	10.7912	3.1021	1263.27	5392.32
595.295	-7119.64	10.7916	3.10248	1260.64	5391.32
597.239	-7119.23	10.7921	3.10285	1258.02	5390.32
599.182	-7118.82	10.7925	3.10323	1255.39	5389.31
601.125	-7118.41	10.7929	3.1036	1252.77	5388.3
603.068	-7117.99	10.7933	3.10398	1250.14	5387.29
605.011	-7117.58	10.7938	3.10435	1247.52	5386.28
606.954	-7117.16	10.7942	3.10473	1244.89	5385.27
608.897	-7116.74	10.7946	3.1051	1242.26	5384.25
610.839	-7116.33	10.795	3.10547	1239.64	5383.23
612.782	-7115.9	10.7954	3.10585	1237.01	5382.21
614.724	-7115.48	10.7959	3.10622	1234.38	5381.19
616.667	-7115.06	10.7963	3.10659	1231.75	5380.16
618.609	-7114.63	10.7967	3.10696	1229.12	5379.14
620.551	-7114.21	10.7972	3.10733	1226.49	5378.11
622.493	-7113.78	10.7976	3.1077	1223.86	5377.07
624.435	-7113.35	10.798	3.10807	1221.23	5376.04
626.377	-7112.92	10.7984	3.10844	1218.6	5375
628.318	-7112.49	10.7989	3.10881	1215.97	5373.96
630.26	-7112.06	10.7993	3.10917	1213.33	5372.92
632.201	-7111.62	10.7997	3.10954	1210.7	5371.88
634.142	-7111.19	10.8001	3.10991	1208.07	5370.83
636.083	-7110.75	10.8006	3.11027	1205.43	5369.79
638.024	-7110.31	10.801	3.11064	1202.8	5368.74
639.965	-7109.87	10.8014	3.111	1200.16	5367.68
641.906	-7109.43	10.8019	3.11137	1197.53	5366.63
643.847	-7108.99	10.8023	3.11173	1194.89	5365.57
645.787	-7108.54	10.8027	3.11209	1192.25	5364.51
647.728	-7108.1	10.8031	3.11245	1189.62	5363.45
649.668	-7107.65	10.8036	3.11282	1186.98	5362.39
651.608	-7107.2	10.804	3.11318	1184.34	5361.32
653.548	-7106.75	10.8044	3.11354	1181.7	5360.25
655.488	-7106.3	10.8049	3.1139	1179.06	5359.18
657.428	-7105.85	10.8053	3.11426	1176.42	5358.11
659.368	-7105.4	10.8057	3.11462	1173.78	5357.03
661.307	-7104.94	10.8062	3.11497	1171.14	5355.96
663.247	-7104.48	10.8066	3.11533	1168.5	5354.88
665.186	-7104.03	10.807	3.11569	1165.86	5353.79
667.125	-7103.57	10.8075	3.11605	1163.22	5352.71
669.064	-7103.11	10.8079	3.1164	1160.57	5351.62
671.003	-7102.64	10.8083	3.11676	1157.93	5350.53
672.942	-7102.18	10.8088	3.11711	1155.29	5349.44

674.88	-7101.72	10.8092	3.11747	1152.64	5348.35
676.819	-7101.25	10.8096	3.11782	1150	5347.25
678.757	-7100.78	10.8101	3.11817	1147.35	5346.16
680.696	-7100.31	10.8105	3.11853	1144.71	5345.06
682.634	-7099.84	10.8109	3.11888	1142.06	5343.95
684.572	-7099.37	10.8114	3.11923	1139.41	5342.85
686.51	-7098.9	10.8118	3.11958	1136.77	5341.74
688.447	-7098.43	10.8122	3.11993	1134.12	5340.63
690.385	-7097.95	10.8127	3.12028	1131.47	5339.52
692.323	-7097.47	10.8131	3.12063	1128.82	5338.41
694.26	-7097	10.8136	3.12098	1126.17	5337.29
696.197	-7096.52	10.814	3.12133	1123.52	5336.17
698.134	-7096.04	10.8144	3.12168	1120.87	5335.05
700.071	-7095.55	10.8149	3.12203	1118.22	5333.93
702.008	-7095.07	10.8153	3.12237	1115.57	5332.8
703.945	-7094.58	10.8157	3.12272	1112.92	5331.67
705.881	-7094.1	10.8162	3.12307	1110.27	5330.54
707.818	-7093.61	10.8166	3.12341	1107.62	5329.41
709.754	-7093.12	10.8171	3.12376	1104.96	5328.27
711.69	-7092.63	10.8175	3.1241	1102.31	5327.14
713.626	-7092.14	10.8179	3.12444	1099.66	5326
715.562	-7091.65	10.8184	3.12479	1097	5324.86
717.498	-7091.15	10.8188	3.12513	1094.35	5323.71
719.433	-7090.65	10.8193	3.12547	1091.69	5322.57
721.369	-7090.16	10.8197	3.12581	1089.04	5321.42
723.304	-7089.66	10.8202	3.12615	1086.38	5320.27
725.24	-7089.16	10.8206	3.12649	1083.72	5319.11
727.175	-7088.66	10.821	3.12683	1081.07	5317.96
729.109	-7088.15	10.8215	3.12717	1078.41	5316.8
731.044	-7087.65	10.8219	3.12751	1075.75	5315.64
732.979	-7087.14	10.8224	3.12785	1073.09	5314.47
734.913	-7086.64	10.8228	3.12819	1070.43	5313.31
736.848	-7086.13	10.8233	3.12852	1067.78	5312.14
738.782	-7085.62	10.8237	3.12886	1065.12	5310.97
740.716	-7085.11	10.8241	3.1292	1062.45	5309.8
742.65	-7084.59	10.8246	3.12953	1059.79	5308.63
744.584	-7084.08	10.825	3.12987	1057.13	5307.45
746.518	-7083.57	10.8255	3.1302	1054.47	5306.27
748.451	-7083.05	10.8259	3.13054	1051.81	5305.09
750.385	-7082.53	10.8264	3.13087	1049.15	5303.9
752.318	-7082.01	10.8268	3.1312	1046.48	5302.72
754.251	-7081.49	10.8273	3.13153	1043.82	5301.53
756.184	-7080.97	10.8277	3.13187	1041.16	5300.34
758.117	-7080.45	10.8282	3.1322	1038.49	5299.14
760.049	-7079.92	10.8286	3.13253	1035.83	5297.95
761.982	-7079.39	10.8291	3.13286	1033.16	5296.75
763.914	-7078.87	10.8295	3.13319	1030.49	5295.55
765.846	-7078.34	10.8299	3.13352	1027.83	5294.35
767.779	-7077.81	10.8304	3.13385	1025.16	5293.14
769.711	-7077.28	10.8308	3.13417	1022.49	5291.93
771.642	-7076.74	10.8313	3.1345	1019.83	5290.72
773.574	-7076.21	10.8317	3.13483	1017.16	5289.51
775.505	-7075.67	10.8322	3.13516	1014.49	5288.3
777.437	-7075.13	10.8326	3.13548	1011.82	5287.08
779.368	-7074.6	10.8331	3.13581	1009.15	5285.86
781.299	-7074.06	10.8335	3.13613	1006.48	5284.64
783.23	-7073.51	10.834	3.13646	1003.81	5283.42

785.161	-7072.97		10.8345	3.13678	1001.14	5282.19
787.091	-7072.43		10.8349	3.1371	998.468	5280.96
789.022	-7071.88		10.8354	3.13743	995.796	5279.73
790.952	-7071.34		10.8358	3.13775	993.124	5278.49
792.882	-7070.79		10.8363	3.13807	990.451	5277.26
794.812	-7070.24		10.8367	3.13839	987.778	5276.02
796.742	-7069.69		10.8372	3.13871	985.104	5274.78
798.672	-7069.13		10.8376	3.13903	982.43	5273.54
800.601	-7068.58		10.8381	3.13935	979.756	5272.29
802.531	-7068.03		10.8385	3.13967	977.081	5271.04
804.46	-7067.47		10.839	3.13999	974.405	5269.79
806.389	-7066.91		10.8394	3.14031	971.73	5268.54
808.318	-7066.35		10.8399	3.14063	969.053	5267.28
810.247	-7065.79		10.8404	3.14094	966.377	5266.03
812.175	-7065.23		10.8408	3.14126	963.7	5264.77
814.104	-7064.67		10.8413	3.14158	961.022	5263.5
816.032	-7064.1	10.8417	3.14189	958.344	5262.24	
817.96	-7063.54		10.8422	3.14221	955.666	5260.97
819.888	-7062.97		10.8426	3.14252	952.987	5259.7
821.816	-7062.4	10.8431	3.14284	950.308	5258.43	
823.744	-7061.83		10.8436	3.14315	947.628	5257.15
825.671	-7061.26		10.844	3.14346	944.948	5255.88
827.599	-7060.68		10.8445	3.14378	942.267	5254.6
829.526	-7060.11		10.8449	3.14409	939.586	5253.32
831.453	-7059.53		10.8454	3.1444	936.905	5252.03
833.38	-7058.96		10.8458	3.14471	934.223	5250.75
835.306	-7058.38		10.8463	3.14502	931.541	5249.46
837.233	-7057.8	10.8468	3.14533	928.858	5248.16	
839.159	-7057.22		10.8472	3.14564	926.175	5246.87
841.086	-7056.64		10.8477	3.14595	923.491	5245.57
843.012	-7056.05		10.8481	3.14626	920.807	5244.28
844.938	-7055.47		10.8486	3.14657	918.123	5242.97
846.863	-7054.88		10.8491	3.14687	915.438	5241.67
848.789	-7054.29		10.8495	3.14718	912.753	5240.36
850.714	-7053.7	10.85	3.14749	910.067	5239.06	
852.64	-7053.11		10.8505	3.14779	907.381	5237.74
854.565	-7052.52		10.8509	3.1481	904.694	5236.43
856.49	-7051.93		10.8514	3.1484	902.008	5235.12
858.415	-7051.33		10.8518	3.14871	899.32	5233.8
860.339	-7050.73		10.8523	3.14901	896.632	5232.48
862.264	-7050.14		10.8528	3.14931	893.944	5231.15
864.188	-7049.54		10.8532	3.14962	891.256	5229.83
866.112	-7048.94		10.8537	3.14992	888.567	5228.5
868.036	-7048.33		10.8542	3.15022	885.877	5227.17
869.96	-7047.73		10.8546	3.15052	883.187	5225.84
871.883	-7047.13		10.8551	3.15082	880.497	5224.5
873.807	-7046.52		10.8556	3.15113	877.806	5223.16
875.73	-7045.91		10.856	3.15143	875.115	5221.82
877.653	-7045.31		10.8565	3.15172	872.424	5220.48
879.576	-7044.69		10.857	3.15202	869.732	5219.13
881.499	-7044.08		10.8574	3.15232	867.04	5217.79
883.421	-7043.47		10.8579	3.15262	864.347	5216.43
885.344	-7042.86		10.8584	3.15292	861.654	5215.08
887.266	-7042.24		10.8588	3.15321	858.96	5213.73
889.188	-7041.62		10.8593	3.15351	856.266	5212.37
891.11	-7041.01		10.8598	3.15381	853.572	5211.01
893.032	-7040.39		10.8602	3.1541	850.877	5209.65

894.953	-7039.76	10.8607	3.1544	848.182	5208.28
896.875	-7039.14	10.8612	3.15469	845.487	5206.91
898.796	-7038.52	10.8617	3.15499	842.791	5205.54
900.717	-7037.89	10.8621	3.15528	840.094	5204.17
902.638	-7037.27	10.8626	3.15557	837.398	5202.79
904.559	-7036.64	10.8631	3.15587	834.701	5201.42
906.479	-7036.01	10.8635	3.15616	832.003	5200.04
908.4	-7035.38	10.864	3.15645	829.305	5198.65
910.32	-7034.75	10.8645	3.15674	826.607	5197.27
912.24	-7034.11	10.865	3.15703	823.908	5195.88
914.159	-7033.48	10.8654	3.15732	821.209	5194.49
916.079	-7032.84	10.8659	3.15761	818.509	5193.1
917.999	-7032.2	10.8664	3.1579	815.81	5191.7
919.918	-7031.56	10.8668	3.15819	813.109	5190.3
921.837	-7030.92	10.8673	3.15848	810.409	5188.9
923.756	-7030.28	10.8678	3.15876	807.708	5187.5
925.675	-7029.64	10.8683	3.15905	805.006	5186.1
927.593	-7028.99	10.8687	3.15934	802.304	5184.69
929.512	-7028.35	10.8692	3.15963	799.602	5183.28
931.43	-7027.7	10.8697	3.15991	796.9	5181.86
933.348	-7027.05	10.8702	3.1602	794.197	5180.45
935.266	-7026.4	10.8706	3.16048	791.493	5179.03
937.183	-7025.75	10.8711	3.16077	788.789	5177.61
939.101	-7025.1	10.8716	3.16105	786.085	5176.19
941.018	-7024.44	10.8721	3.16133	783.381	5174.76
942.935	-7023.79	10.8726	3.16162	780.676	5173.33
944.852	-7023.13	10.873	3.1619	777.971	5171.9
946.769	-7022.47	10.8735	3.16218	775.265	5170.47
948.686	-7021.81	10.874	3.16246	772.559	5169.04
950.602	-7021.15	10.8745	3.16274	769.853	5167.6
952.518	-7020.49	10.8749	3.16302	767.146	5166.16
954.434	-7019.82	10.8754	3.1633	764.439	5164.71
956.35	-7019.16	10.8759	3.16358	761.731	5163.27
958.266	-7018.49	10.8764	3.16386	759.024	5161.82
960.181	-7017.82	10.8769	3.16414	756.315	5160.37
962.096	-7017.16	10.8773	3.16442	753.607	5158.91
964.011	-7016.48	10.8778	3.1647	750.898	5157.46
965.926	-7015.81	10.8783	3.16497	748.188	5156
967.841	-7015.14	10.8788	3.16525	745.479	5154.54
969.756	-7014.46	10.8793	3.16553	742.769	5153.08
971.67	-7013.79	10.8798	3.1658	740.058	5151.61
973.584	-7013.11	10.8802	3.16608	737.347	5150.14
975.498	-7012.43	10.8807	3.16635	734.636	5148.67
977.412	-7011.75	10.8812	3.16663	731.925	5147.19
979.325	-7011.07	10.8817	3.1669	729.213	5145.72
981.239	-7010.38	10.8822	3.16718	726.5	5144.24
983.152	-7009.7	10.8827	3.16745	723.788	5142.76
985.065	-7009.01	10.8831	3.16772	721.075	5141.27
986.978	-7008.33	10.8836	3.16799	718.362	5139.79
988.89	-7007.64	10.8841	3.16827	715.648	5138.3
990.803	-7006.95	10.8846	3.16854	712.934	5136.81
992.715	-7006.26	10.8851	3.16881	710.219	5135.31
994.627	-7005.56	10.8856	3.16908	707.505	5133.81
996.539	-7004.87	10.8861	3.16935	704.79	5132.31
998.451	-7004.17	10.8865	3.16962	702.074	5130.81
1000.36	-7003.48	10.887	3.16989	699.358	5129.31
1002.27	-7002.78	10.8875	3.17015	696.642	5127.8

1004.18	-7002.08	10.888	3.17042	693.926	5126.29
1006.1	-7001.38	10.8885	3.17069	691.209	5124.78
1008.01	-7000.67	10.889	3.17096	688.492	5123.26
1009.92	-6999.97	10.8895	3.17122	685.774	5121.74
1011.83	-6999.26	10.89	3.17149	683.056	5120.22
1013.74	-6998.56	10.8904	3.17176	680.338	5118.7
1015.65	-6997.85	10.8909	3.17202	677.62	5117.17
1017.56	-6997.14	10.8914	3.17229	674.901	5115.65
1019.47	-6996.43	10.8919	3.17255	672.182	5114.12
1021.38	-6995.72	10.8924	3.17281	669.462	5112.58
1023.28	-6995	10.8929	3.17308	666.742	5111.05
1025.19	-6994.29	10.8934	3.17334	664.022	5109.51
1027.1	-6993.57	10.8939	3.1736	661.301	5107.97
1029.01	-6992.85	10.8944	3.17386	658.58	5106.42
1030.92	-6992.13	10.8949	3.17413	655.859	5104.88
1032.83	-6991.41	10.8954	3.17439	653.138	5103.33
1034.73	-6990.69	10.8958	3.17465	650.416	5101.77
1036.64	-6989.97	10.8963	3.17491	647.693	5100.22
1038.55	-6989.24	10.8968	3.17517	644.971	5098.66
1040.46	-6988.52	10.8973	3.17543	642.248	5097.1
1042.36	-6987.79	10.8978	3.17569	639.525	5095.54
1044.27	-6987.06	10.8983	3.17595	636.801	5093.98
1046.18	-6986.33	10.8988	3.1762	634.077	5092.41
1048.08	-6985.6	10.8993	3.17646	631.353	5090.84
1049.99	-6984.86	10.8998	3.17672	628.629	5089.26
1051.9	-6984.13	10.9003	3.17698	625.904	5087.69
1053.8	-6983.39	10.9008	3.17723	623.179	5086.11
1055.71	-6982.66	10.9013	3.17749	620.453	5084.53
1057.61	-6981.92	10.9018	3.17774	617.727	5082.95
1059.52	-6981.18	10.9023	3.178	615.001	5081.36
1061.42	-6980.44	10.9028	3.17825	612.275	5079.77
1063.33	-6979.69	10.9033	3.17851	609.548	5078.18
1065.23	-6978.95	10.9038	3.17876	606.821	5076.58
1067.14	-6978.2	10.9043	3.17901	604.094	5074.99
1069.04	-6977.46	10.9048	3.17927	601.366	5073.39
1070.95	-6976.71	10.9053	3.17952	598.638	5071.79
1072.85	-6975.96	10.9058	3.17977	595.909	5070.18
1074.75	-6975.21	10.9063	3.18002	593.181	5068.57
1076.66	-6974.45	10.9068	3.18027	590.452	5066.96
1078.56	-6973.7	10.9073	3.18052	587.723	5065.35
1080.46	-6972.94	10.9078	3.18077	584.993	5063.74
1082.36	-6972.19	10.9083	3.18102	582.263	5062.12
1084.27	-6971.43	10.9088	3.18127	579.533	5060.5
1086.17	-6970.67	10.9093	3.18152	576.803	5058.87
1088.07	-6969.91	10.9098	3.18177	574.072	5057.25
1089.97	-6969.15	10.9103	3.18202	571.341	5055.62
1091.87	-6968.38	10.9108	3.18227	568.609	5053.99
1093.78	-6967.62	10.9113	3.18251	565.878	5052.35
1095.68	-6966.85	10.9118	3.18276	563.146	5050.71
1097.58	-6966.08	10.9123	3.18301	560.413	5049.07
1099.48	-6965.31	10.9128	3.18325	557.681	5047.43
1101.38	-6964.54	10.9133	3.1835	554.948	5045.79
1103.28	-6963.77	10.9138	3.18374	552.215	5044.14
1105.18	-6963	10.9143	3.18399	549.482	5042.49
1107.08	-6962.22	10.9148	3.18423	546.748	5040.83
1108.98	-6961.45	10.9153	3.18448	544.014	5039.18
1110.88	-6960.67	10.9158	3.18472	541.279	5037.52

1112.78	-6959.89	10.9163	3.18496	538.545	5035.86
1114.68	-6959.11	10.9168	3.1852	535.81	5034.19
1116.58	-6958.33	10.9173	3.18545	533.075	5032.53
1118.47	-6957.55	10.9178	3.18569	530.339	5030.86
1120.37	-6956.76	10.9184	3.18593	527.604	5029.19
1122.27	-6955.97	10.9189	3.18617	524.868	5027.51
1124.17	-6955.19	10.9194	3.18641	522.131	5025.83
1126.07	-6954.4	10.9199	3.18665	519.395	5024.15
1127.96	-6953.61	10.9204	3.18689	516.658	5022.47
1129.86	-6952.82	10.9209	3.18713	513.921	5020.78
1131.76	-6952.02	10.9214	3.18737	511.184	5019.1
1133.65	-6951.23	10.9219	3.18761	508.446	5017.4
1135.55	-6950.43	10.9224	3.18784	505.708	5015.71
1137.45	-6949.64	10.9229	3.18808	502.97	5014.01
1139.34	-6948.84	10.9234	3.18832	500.231	5012.31
1141.24	-6948.04	10.924	3.18856	497.493	5010.61
1143.14	-6947.24	10.9245	3.18879	494.754	5008.91
1145.03	-6946.44	10.925	3.18903	492.014	5007.2
1146.93	-6945.63	10.9255	3.18926	489.275	5005.49
1148.82	-6944.83	10.926	3.1895	486.535	5003.77
1150.72	-6944.02	10.9265	3.18973	483.795	5002.06
1152.61	-6943.21	10.927	3.18997	481.055	5000.34
1154.5	-6942.4	10.9275	3.1902	478.314	4998.62
1156.4	-6941.59	10.9281	3.19044	475.573	4996.89
1158.29	-6940.78	10.9286	3.19067	472.832	4995.16
1160.19	-6939.96	10.9291	3.1909	470.091	4993.43
1162.08	-6939.15	10.9296	3.19113	467.349	4991.7
1163.97	-6938.33	10.9301	3.19136	464.607	4989.97
1165.87	-6937.51	10.9306	3.1916	461.865	4988.23
1167.76	-6936.69	10.9311	3.19183	459.123	4986.49
1169.65	-6935.87	10.9317	3.19206	456.38	4984.74
1171.54	-6935.05	10.9322	3.19229	453.637	4983
1173.43	-6934.23	10.9327	3.19252	450.894	4981.25
1175.33	-6933.4	10.9332	3.19275	448.151	4979.49
1177.22	-6932.58	10.9337	3.19298	445.407	4977.74
1179.11	-6931.75	10.9342	3.19321	442.663	4975.98
1181	-6930.92	10.9348	3.19343	439.919	4974.22
1182.89	-6930.09	10.9353	3.19366	437.175	4972.46
1184.78	-6929.26	10.9358	3.19389	434.43	4970.69
1186.67	-6928.42	10.9363	3.19412	431.685	4968.92
1188.56	-6927.59	10.9368	3.19434	428.94	4967.15
1190.45	-6926.75	10.9374	3.19457	426.195	4965.37
1192.34	-6925.92	10.9379	3.19479	423.449	4963.6
1194.23	-6925.08	10.9384	3.19502	420.703	4961.82
1196.12	-6924.24	10.9389	3.19525	417.957	4960.03
1198.01	-6923.39	10.9394	3.19547	415.211	4958.25
1199.9	-6922.55	10.94	3.19569	412.465	4956.46
1201.79	-6921.71	10.9405	3.19592	409.718	4954.67
1203.67	-6920.86	10.941	3.19614	406.971	4952.87
1205.56	-6920.01	10.9415	3.19636	404.224	4951.08
1207.45	-6919.16	10.942	3.19659	401.476	4949.27
1209.34	-6918.31	10.9426	3.19681	398.729	4947.47
1211.22	-6917.46	10.9431	3.19703	395.981	4945.67
1213.11	-6916.61	10.9436	3.19725	393.233	4943.86
1215	-6915.76	10.9441	3.19747	390.485	4942.05
1216.88	-6914.9	10.9447	3.1977	387.736	4940.23
1218.77	-6914.04	10.9452	3.19792	384.987	4938.41

1220.66	-6913.18		10.9457	3.19814	382.239	4936.59
1222.54	-6912.32		10.9462	3.19836	379.489	4934.77
1224.43	-6911.46		10.9467	3.19858	376.74	4932.95
1226.31	-6910.6	10.9473	3.19879	373.99	4931.12	
1228.2	-6909.74		10.9478	3.19901	371.241	4929.29
1230.08	-6908.87		10.9483	3.19923	368.491	4927.45
1231.97	-6908	10.9489	3.19945	365.74	4925.61	
1233.85	-6907.14		10.9494	3.19967	362.99	4923.77
1235.74	-6906.27		10.9499	3.19988	360.239	4921.93
1237.62	-6905.4	10.9504	3.2001	357.489	4920.09	
1239.5	-6904.52		10.951	3.20032	354.738	4918.24
1241.39	-6903.65		10.9515	3.20053	351.986	4916.39
1243.27	-6902.77		10.952	3.20075	349.235	4914.53
1245.15	-6901.9	10.9525	3.20096	346.483	4912.67	
1247.04	-6901.02		10.9531	3.20118	343.731	4910.81
1248.92	-6900.14		10.9536	3.20139	340.979	4908.95
1250.8	-6899.26		10.9541	3.20161	338.227	4907.08
1252.68	-6898.38		10.9547	3.20182	335.475	4905.22
1254.56	-6897.49		10.9552	3.20203	332.722	4903.34
1256.44	-6896.61		10.9557	3.20225	329.969	4901.47
1258.33	-6895.72		10.9563	3.20246	327.216	4899.59
1260.21	-6894.83		10.9568	3.20267	324.463	4897.71
1262.09	-6893.94		10.9573	3.20288	321.71	4895.83
1263.97	-6893.05		10.9578	3.20309	318.956	4893.94
1265.85	-6892.16		10.9584	3.20331	316.203	4892.05
1267.73	-6891.27		10.9589	3.20352	313.449	4890.16
1269.61	-6890.37		10.9594	3.20373	310.695	4888.27
1271.49	-6889.48		10.96	3.20394	307.94	4886.37
1273.36	-6888.58		10.9605	3.20415	305.186	4884.47
1275.24	-6887.68		10.961	3.20436	302.431	4882.56
1277.12	-6886.78		10.9616	3.20457	299.676	4880.66
1279	-6885.88		10.9621	3.20477	296.921	4878.75
1280.88	-6884.97		10.9627	3.20498	294.166	4876.83
1282.76	-6884.07		10.9632	3.20519	291.411	4874.92
1284.63	-6883.16		10.9637	3.2054	288.656	4873
1286.51	-6882.25		10.9643	3.20561	285.9	4871.08
1288.39	-6881.35		10.9648	3.20581	283.144	4869.15
1290.26	-6880.44		10.9653	3.20602	280.388	4867.23
1292.14	-6879.52		10.9659	3.20622	277.632	4865.3
1294.02	-6878.61		10.9664	3.20643	274.876	4863.36
1295.89	-6877.7	10.9669	3.20664	272.119	4861.43	
1297.77	-6876.78		10.9675	3.20684	269.362	4859.49
1299.64	-6875.86		10.968	3.20705	266.606	4857.55
1301.52	-6874.94		10.9686	3.20725	263.849	4855.6
1303.39	-6874.02		10.9691	3.20745	261.092	4853.65
1305.27	-6873.1	10.9696	3.20766	258.334	4851.7	
1307.14	-6872.18		10.9702	3.20786	255.577	4849.75
1309.02	-6871.25		10.9707	3.20806	252.819	4847.79
1310.89	-6870.33		10.9712	3.20827	250.062	4845.83
1312.76	-6869.4	10.9718	3.20847	247.304	4843.87	
1314.64	-6868.47		10.9723	3.20867	244.546	4841.91
1316.51	-6867.54		10.9729	3.20887	241.788	4839.94
1318.38	-6866.61		10.9734	3.20907	239.029	4837.97
1320.25	-6865.68		10.974	3.20928	236.271	4835.99
1322.13	-6864.74		10.9745	3.20948	233.512	4834.01
1324	-6863.81		10.975	3.20968	230.754	4832.03
1325.87	-6862.87		10.9756	3.20988	227.995	4830.05

1327.74	-6861.93		10.9761	3.21008	225.236	4828.06
1329.61	-6860.99		10.9767	3.21027	222.477	4826.07
1331.48	-6860.05		10.9772	3.21047	219.717	4824.08
1333.35	-6859.11		10.9778	3.21067	216.958	4822.08
1335.22	-6858.17		10.9783	3.21087	214.199	4820.09
1337.09	-6857.22		10.9788	3.21107	211.439	4818.08
1338.96	-6856.27		10.9794	3.21127	208.679	4816.08
1340.83	-6855.32		10.9799	3.21146	205.919	4814.07
1342.7	-6854.38		10.9805	3.21166	203.159	4812.06
1344.57	-6853.42		10.981	3.21186	200.399	4810.05
1346.44	-6852.47		10.9816	3.21205	197.639	4808.03
1348.31	-6851.52		10.9821	3.21225	194.878	4806.01
1350.18	-6850.56		10.9827	3.21245	192.118	4803.99
1352.04	-6849.6	10.9832	3.21264	189.357	4801.96	
1353.91	-6848.65		10.9838	3.21284	186.597	4799.93
1355.78	-6847.69		10.9843	3.21303	183.836	4797.9
1357.65	-6846.73		10.9848	3.21322	181.075	4795.87
1359.51	-6845.76		10.9854	3.21342	178.314	4793.83
1361.38	-6844.8	10.9859	3.21361	175.553	4791.79	
1363.25	-6843.83		10.9865	3.21381	172.791	4789.75
1365.11	-6842.87		10.987	3.214	170.03	4787.7
1366.98	-6841.9	10.9876	3.21419	167.269	4785.65	
1368.84	-6840.93		10.9881	3.21438	164.507	4783.59
1370.71	-6839.96		10.9887	3.21458	161.745	4781.54
1372.57	-6838.99		10.9892	3.21477	158.984	4779.48
1374.44	-6838.01		10.9898	3.21496	156.222	4777.42
1376.3	-6837.04		10.9903	3.21515	153.46	4775.35
1378.16	-6836.06		10.9909	3.21534	150.698	4773.28
1380.03	-6835.08		10.9914	3.21553	147.936	4771.21
1381.89	-6834.1	10.992	3.21572	145.173	4769.14	
1383.75	-6833.12		10.9925	3.21591	142.411	4767.06
1385.62	-6832.14		10.9931	3.2161	139.649	4764.98
1387.48	-6831.16		10.9937	3.21629	136.886	4762.9
1389.34	-6830.17		10.9942	3.21648	134.124	4760.81
1391.2	-6829.19		10.9948	3.21667	131.361	4758.72
1393.07	-6828.2	10.9953	3.21686	128.598	4756.62	
1394.93	-6827.21		10.9959	3.21704	125.835	4754.53
1396.79	-6826.22		10.9964	3.21723	123.073	4752.43
1398.65	-6825.23		10.997	3.21742	120.31	4750.33
1400.51	-6824.23		10.9975	3.21761	117.547	4748.22
1402.37	-6823.24		10.9981	3.21779	114.784	4746.11
1404.23	-6822.24		10.9986	3.21798	112.02	4744
1406.09	-6821.25		10.9992	3.21817	109.257	4741.89
1407.95	-6820.25		10.9998	3.21835	106.494	4739.77
1409.81	-6819.25		11.0003	3.21854	103.73	4737.65
1411.67	-6818.24		11.0009	3.21872	100.967	4735.52
1413.53	-6817.24		11.0014	3.21891	98.2036	4733.4
1415.38	-6816.24		11.002	3.21909	95.44	4731.27
1417.24	-6815.23		11.0025	3.21928	92.6764	4729.13
1419.1	-6814.22		11.0031	3.21946	89.9128	4727
1420.96	-6813.21		11.0037	3.21964	87.1491	4724.86
1422.81	-6812.2	11.0042	3.21983	84.3853	4722.71	
1424.67	-6811.19		11.0048	3.22001	81.6215	4720.57
1426.53	-6810.18		11.0053	3.22019	78.8577	4718.42
1428.38	-6809.16		11.0059	3.22038	76.0938	4716.26
1430.24	-6808.15		11.0064	3.22056	73.3298	4714.11
1432.09	-6807.13		11.007	3.22074	70.5658	4711.95

1433.95	-6806.11	11.0076	3.22092	67.8018	4709.79
1435.8	-6805.09	11.0081	3.2211	65.0377	4707.62
1437.66	-6804.07	11.0087	3.22129	62.2736	4705.46
1439.51	-6803.04	11.0093	3.22147	59.5095	4703.28
1441.37	-6802.02	11.0098	3.22165	56.7453	4701.11
1443.22	-6800.99	11.0104	3.22183	53.9811	4698.93
1445.07	-6799.97	11.0109	3.22201	51.2169	4696.75
1446.93	-6798.94	11.0115	3.22219	48.4526	4694.57
1448.78	-6797.91	11.0121	3.22237	45.6883	4692.38
1450.63	-6796.88	11.0126	3.22255	42.924	4690.19
1452.49	-6795.84	11.0132	3.22272	40.1597	4688
1454.34	-6794.81	11.0138	3.2229	37.3953	4685.8
1456.19	-6793.77	11.0143	3.22308	34.6309	4683.6
1458.04	-6792.74	11.0149	3.22326	31.8666	4681.4
1459.89	-6791.7	11.0154	3.22344	29.1021	4679.19
1461.74	-6790.66	11.016	3.22361	26.3377	4676.98
1463.59	-6789.62	11.0166	3.22379	23.5733	4674.77
1465.44	-6788.57	11.0171	3.22397	20.8088	4672.55
1467.29	-6787.53	11.0177	3.22415	18.0444	4670.33
1469.14	-6786.48	11.0183	3.22432	15.2799	4668.11
1470.99	-6785.43	11.0188	3.2245	12.5155	4665.89
1472.84	-6784.39	11.0194	3.22467	9.75102	4663.66
1474.69	-6783.34	11.02	3.22485	6.98656	4661.42
1476.54	-6782.28	11.0205	3.22503	4.2221	4659.19
1478.39	-6781.23	11.0211	3.2252	1.45765	4656.95
1480.23	-6780.18	11.0217	3.22538	-1.3068	4654.71
1482.08	-6779.12	11.0222	3.22555	-4.07124	4652.46
1483.93	-6778.06	11.0228	3.22572	-6.83568	4650.22
1485.78	-6777.01	11.0234	3.2259	-9.6001	4647.96
1487.62	-6775.95	11.024	3.22607	-12.3645	4645.71
1489.47	-6774.88	11.0245	3.22625	-15.1289	4643.45
1491.31	-6773.82	11.0251	3.22642	-17.8933	4641.19
1493.16	-6772.76	11.0257	3.22659	-20.6576	4638.93
1495	-6771.69	11.0262	3.22676	-23.422	4636.66
1496.85	-6770.62	11.0268	3.22694	-26.1863	4634.39
1498.69	-6769.55	11.0274	3.22711	-28.9506	4632.11
1500.54	-6768.48	11.028	3.22728	-31.7148	4629.84
1502.38	-6767.41	11.0285	3.22745	-34.479	4627.55
1504.23	-6766.34	11.0291	3.22762	-37.2432	4625.27
1506.07	-6765.27	11.0297	3.2278	-40.0074	4622.98
1507.91	-6764.19	11.0302	3.22797	-42.7715	4620.69
1509.76	-6763.11	11.0308	3.22814	-45.5356	4618.4
1511.6	-6762.04	11.0314	3.22831	-48.2997	4616.1
1513.44	-6760.96	11.032	3.22848	-51.0637	4613.8
1515.28	-6759.87	11.0325	3.22865	-53.8277	4611.5
1517.12	-6758.79	11.0331	3.22882	-56.5916	4609.19
1518.96	-6757.71	11.0337	3.22899	-59.3554	4606.88
1520.81	-6756.62	11.0343	3.22916	-62.1193	4604.57
1522.65	-6755.53	11.0348	3.22933	-64.883	4602.25
1524.49	-6754.45	11.0354	3.22949	-67.6468	4599.93
1526.33	-6753.36	11.036	3.22966	-70.4104	4597.61
1528.17	-6752.26	11.0366	3.22983	-73.174	4595.28
1530.01	-6751.17	11.0371	3.23	-75.9376	4592.95
1531.84	-6750.08	11.0377	3.23017	-78.7011	4590.62
1533.68	-6748.98	11.0383	3.23033	-81.4645	4588.28
1535.52	-6747.88	11.0389	3.2305	-84.2278	4585.94
1537.36	-6746.79	11.0394	3.23067	-86.9911	4583.6

1539.2	-6745.69		11.04	3.23084	-89.7543	4581.25
1541.03	-6744.58		11.0406	3.231	-92.5175	4578.9
1542.87	-6743.48		11.0412	3.23117	-95.2805	4576.55
1544.71	-6742.38		11.0418	3.23134	-98.0435	4574.19
1546.54	-6741.27		11.0423	3.2315	-100.806	4571.83
1548.38	-6740.17		11.0429	3.23167	-103.569	4569.46
1550.22	-6739.06		11.0435	3.23183	-106.332	4567.1
1552.05	-6737.95		11.0441	3.232	-109.095	4564.73
1553.89	-6736.84		11.0447	3.23216	-111.857	4562.35
1555.72	-6735.72		11.0452	3.23233	-114.62	4559.98
1557.56	-6734.61		11.0458	3.23249	-117.382	4557.6
1559.39	-6733.49		11.0464	3.23266	-120.144	4555.21
1561.22	-6732.38		11.047	3.23282	-122.907	4552.83
1563.06	-6731.26		11.0476	3.23298	-125.669	4550.44
1564.89	-6730.14		11.0481	3.23315	-128.431	4548.04
1566.72	-6729.02		11.0487	3.23331	-131.193	4545.65
1568.56	-6727.89		11.0493	3.23347	-133.954	4543.24
1570.39	-6726.77		11.0499	3.23364	-136.716	4540.84
1572.22	-6725.65		11.0505	3.2338	-139.478	4538.43
1574.05	-6724.52		11.0511	3.23396	-142.239	4536.02
1575.88	-6723.39		11.0516	3.23412	-145.001	4533.61
1577.71	-6722.26		11.0522	3.23429	-147.762	4531.19
1579.54	-6721.13		11.0528	3.23445	-150.523	4528.77
1581.37	-6720	11.0534	3.23461	-153.284		4526.35
1583.2	-6718.86		11.054	3.23477	-156.045	4523.92
1585.03	-6717.73		11.0546	3.23493	-158.806	4521.49
1586.86	-6716.59		11.0551	3.23509	-161.566	4519.05
1588.69	-6715.45		11.0557	3.23526	-164.327	4516.61
1590.52	-6714.31		11.0563	3.23542	-167.087	4514.17
1592.35	-6713.17		11.0569	3.23558	-169.847	4511.73
1594.17	-6712.03		11.0575	3.23574	-172.607	4509.28
1596	-6710.88		11.0581	3.2359	-175.367	4506.83
1597.83	-6709.74		11.0587	3.23606	-178.127	4504.37
1599.66	-6708.59		11.0593	3.23622	-180.887	4501.92
1601.48	-6707.44		11.0598	3.23638	-183.646	4499.45
1603.31	-6706.29		11.0604	3.23653	-186.406	4496.99
1605.13	-6705.14		11.061	3.23669	-189.165	4494.52
1606.96	-6703.99		11.0616	3.23685	-191.924	4492.05
1608.79	-6702.83		11.0622	3.23701	-194.683	4489.57
1610.61	-6701.68		11.0628	3.23717	-197.442	4487.09
1612.43	-6700.52		11.0634	3.23733	-200.2	4484.61
1614.26	-6699.36		11.064	3.23749	-202.959	4482.12
1616.08	-6698.2	11.0646	3.23764	-205.717		4479.63
1617.91	-6697.04		11.0651	3.2378	-208.475	4477.14
1619.73	-6695.88		11.0657	3.23796	-211.233	4474.64
1621.55	-6694.71		11.0663	3.23812	-213.991	4472.14
1623.37	-6693.55		11.0669	3.23827	-216.748	4469.64
1625.2	-6692.38		11.0675	3.23843	-219.506	4467.13
1627.02	-6691.21		11.0681	3.23859	-222.263	4464.62
1628.84	-6690.04		11.0687	3.23874	-225.02	4462.1
1630.66	-6688.87		11.0693	3.2389	-227.777	4459.59
1632.48	-6687.7	11.0699	3.23906	-230.533		4457.07
1634.3	-6686.52		11.0705	3.23921	-233.29	4454.54
1636.12	-6685.35		11.0711	3.23937	-236.046	4452.01
1637.94	-6684.17		11.0717	3.23952	-238.802	4449.48
1639.76	-6682.99		11.0722	3.23968	-241.558	4446.95
1641.58	-6681.81		11.0728	3.23983	-244.314	4444.41

1643.4	-6680.63	11.0734	3.23999	-247.069	4441.86
1645.21	-6679.45	11.074	3.24014	-249.825	4439.32
1647.03	-6678.26	11.0746	3.2403	-252.58	4436.77
1648.85	-6677.08	11.0752	3.24045	-255.335	4434.22
1650.67	-6675.89	11.0758	3.24061	-258.089	4431.66
1652.48	-6674.7	11.0764	3.24076	-260.844	4429.1
1654.3	-6673.51	11.077	3.24092	-263.598	4426.54
1656.12	-6672.32	11.0776	3.24107	-266.352	4423.97
1657.93	-6671.13	11.0782	3.24122	-269.106	4421.4
1659.75	-6669.93	11.0788	3.24138	-271.859	4418.82
1661.56	-6668.74	11.0794	3.24153	-274.613	4416.25
1663.38	-6667.54	11.08	3.24168	-277.366	4413.66
1665.19	-6666.34	11.0806	3.24184	-280.119	4411.08
1667	-6665.14	11.0812	3.24199	-282.871	4408.49
1668.82	-6663.94	11.0818	3.24214	-285.624	4405.9
1670.63	-6662.74	11.0824	3.2423	-288.376	4403.3
1672.44	-6661.53	11.083	3.24245	-291.128	4400.7
1674.26	-6660.33	11.0836	3.2426	-293.88	4398.1
1676.07	-6659.12	11.0842	3.24275	-296.631	4395.49
1677.88	-6657.91	11.0848	3.2429	-299.382	4392.88
1679.69	-6656.7	11.0854	3.24306	-302.133	4390.27
1681.5	-6655.49	11.086	3.24321	-304.884	4387.65
1683.31	-6654.27	11.0866	3.24336	-307.634	4385.03
1685.12	-6653.06	11.0872	3.24351	-310.384	4382.41
1686.93	-6651.84	11.0878	3.24366	-313.134	4379.78
1688.74	-6650.63	11.0884	3.24381	-315.884	4377.15
1690.55	-6649.41	11.089	3.24396	-318.633	4374.51
1692.36	-6648.19	11.0896	3.24411	-321.382	4371.87
1694.17	-6646.97	11.0902	3.24427	-324.131	4369.23
1695.98	-6645.74	11.0908	3.24442	-326.879	4366.58
1697.79	-6644.52	11.0914	3.24457	-329.628	4363.93
1699.59	-6643.29	11.092	3.24472	-332.376	4361.28
1701.4	-6642.06	11.0926	3.24487	-335.123	4358.62
1703.21	-6640.84	11.0932	3.24502	-337.871	4355.96
1705.01	-6639.6	11.0938	3.24517	-340.618	4353.3
1706.82	-6638.37	11.0944	3.24532	-343.364	4350.63
1708.62	-6637.14	11.095	3.24547	-346.111	4347.96
1710.43	-6635.9	11.0956	3.24561	-348.857	4345.28
1712.23	-6634.67	11.0962	3.24576	-351.603	4342.6
1714.04	-6633.43	11.0968	3.24591	-354.349	4339.92
1715.84	-6632.19	11.0974	3.24606	-357.094	4337.23
1717.65	-6630.95	11.098	3.24621	-359.839	4334.54
1719.45	-6629.71	11.0986	3.24636	-362.583	4331.85
1721.25	-6628.46	11.0992	3.24651	-365.328	4329.15
1723.06	-6627.22	11.0998	3.24666	-368.072	4326.45
1724.86	-6625.97	11.1005	3.24681	-370.815	4323.74
1726.66	-6624.73	11.1011	3.24695	-373.559	4321.03
1728.46	-6623.48	11.1017	3.2471	-376.302	4318.32
1730.26	-6622.23	11.1023	3.24725	-379.045	4315.61
1732.06	-6620.98	11.1029	3.2474	-381.787	4312.89
1733.86	-6619.72	11.1035	3.24755	-384.529	4310.16
1735.66	-6618.47	11.1041	3.24769	-387.271	4307.43
1737.46	-6617.21	11.1047	3.24784	-390.012	4304.7
1739.26	-6615.95	11.1053	3.24799	-392.753	4301.97
1741.06	-6614.69	11.1059	3.24814	-395.494	4299.23
1742.86	-6613.43	11.1065	3.24828	-398.234	4296.49
1744.66	-6612.17	11.1071	3.24843	-400.974	4293.74

1746.46	-6610.91	11.1077	3.24858	-403.713	4290.99
1748.25	-6609.64	11.1084	3.24872	-406.453	4288.24
1750.05	-6608.38	11.109	3.24887	-409.191	4285.48
1751.85	-6607.11	11.1096	3.24902	-411.93	4282.72
1753.64	-6605.84	11.1102	3.24916	-414.668	4279.96
1755.44	-6604.57	11.1108	3.24931	-417.406	4277.19
1757.23	-6603.29	11.1114	3.24946	-420.143	4274.41
1759.03	-6602.02	11.112	3.2496	-422.88	4271.64
1760.82	-6600.74	11.1126	3.24975	-425.617	4268.86
1762.62	-6599.47	11.1132	3.24989	-428.353	4266.07
1764.41	-6598.19	11.1139	3.25004	-431.089	4263.29
1766.2	-6596.91	11.1145	3.25019	-433.824	4260.5
1768	-6595.63	11.1151	3.25033	-436.559	4257.7
1769.79	-6594.35	11.1157	3.25048	-439.294	4254.9
1771.58	-6593.06	11.1163	3.25062	-442.028	4252.1
1773.37	-6591.78	11.1169	3.25077	-444.762	4249.29
1775.17	-6590.49	11.1175	3.25091	-447.495	4246.48
1776.96	-6589.2	11.1181	3.25106	-450.228	4243.67
1778.75	-6587.91	11.1188	3.2512	-452.961	4240.85
1780.54	-6586.62	11.1194	3.25135	-455.693	4238.03
1782.33	-6585.33	11.12	3.2515	-458.425	4235.2
1784.12	-6584.03	11.1206	3.25164	-461.156	4232.37
1785.91	-6582.74	11.1212	3.25179	-463.887	4229.54
1787.7	-6581.44	11.1218	3.25193	-466.617	4226.7
1789.48	-6580.14	11.1224	3.25207	-469.347	4223.86
1791.27	-6578.84	11.1231	3.25222	-472.077	4221.02
1793.06	-6577.54	11.1237	3.25236	-474.806	4218.17
1794.85	-6576.24	11.1243	3.25251	-477.535	4215.31
1796.63	-6574.94	11.1249	3.25265	-480.263	4212.46
1798.42	-6573.63	11.1255	3.2528	-482.991	4209.6
1800.21	-6572.32	11.1261	3.25294	-485.718	4206.73
1801.99	-6571.01	11.1268	3.25309	-488.445	4203.87
1803.78	-6569.7	11.1274	3.25323	-491.172	4200.99
1805.56	-6568.39	11.128	3.25337	-493.898	4198.12
1807.35	-6567.08	11.1286	3.25352	-496.623	4195.24
1809.13	-6565.77	11.1292	3.25366	-499.348	4192.35
1810.92	-6564.45	11.1298	3.25381	-502.073	4189.47
1812.7	-6563.13	11.1305	3.25395	-504.797	4186.57
1814.48	-6561.81	11.1311	3.25409	-507.52	4183.68
1816.26	-6560.49	11.1317	3.25424	-510.244	4180.78
1818.05	-6559.17	11.1323	3.25438	-512.966	4177.88
1819.83	-6557.85	11.1329	3.25452	-515.688	4174.97
1821.61	-6556.52	11.1336	3.25467	-518.41	4172.06
1823.39	-6555.2	11.1342	3.25481	-521.131	4169.14
1825.17	-6553.87	11.1348	3.25496	-523.852	4166.22
1826.95	-6552.54	11.1354	3.2551	-526.572	4163.3
1828.73	-6551.21	11.136	3.25524	-529.292	4160.37
1830.51	-6549.88	11.1367	3.25539	-532.011	4157.44
1832.29	-6548.54	11.1373	3.25553	-534.729	4154.51
1834.07	-6547.21	11.1379	3.25567	-537.447	4151.57
1835.85	-6545.87	11.1385	3.25582	-540.165	4148.63
1837.62	-6544.53	11.1391	3.25596	-542.882	4145.68
1839.4	-6543.2	11.1398	3.2561	-545.599	4142.73
1841.18	-6541.85	11.1404	3.25624	-548.315	4139.78
1842.95	-6540.51	11.141	3.25639	-551.03	4136.82
1844.73	-6539.17	11.1416	3.25653	-553.745	4133.85
1846.51	-6537.82	11.1422	3.25667	-556.459	4130.89

1848.28	-6536.48		11.1429	3.25682	-559.173		4127.92
1850.06	-6535.13		11.1435	3.25696	-561.886		4124.94
1851.83	-6533.78		11.1441	3.2571	-564.599		4121.96
1853.6	-6532.43		11.1447	3.25725	-567.311		4118.98
1855.38	-6531.08		11.1454	3.25739	-570.023		4116
1857.15	-6529.72		11.146	3.25753	-572.734		4113.01
1858.92	-6528.37		11.1466	3.25767	-575.444		4110.01
1860.7	-6527.01		11.1472	3.25782	-578.154		4107.01
1862.47	-6525.65		11.1479	3.25796	-580.863		4104.01
1864.24	-6524.29		11.1485	3.2581	-583.572		4101
1866.01	-6522.93		11.1491	3.25824	-586.28	4097.99	
1867.78	-6521.57		11.1497	3.25839	-588.988		4094.98
1869.55	-6520.2	11.1504	3.25853	-591.695		4091.96	
1871.32	-6518.84		11.151	3.25867	-594.401		4088.94
1873.09	-6517.47		11.1516	3.25881	-597.107		4085.91
1874.86	-6516.1	11.1522	3.25896	-599.812		4082.88	
1876.63	-6514.73		11.1529	3.2591	-602.517		4079.84
1878.4	-6513.36		11.1535	3.25924	-605.221		4076.8
1880.16	-6511.99		11.1541	3.25938	-607.924		4073.76
1881.93	-6510.61		11.1547	3.25953	-610.627		4070.71
1883.7	-6509.24		11.1554	3.25967	-613.329		4067.66
1885.46	-6507.86		11.156	3.25981	-616.03	4064.61	
1887.23	-6506.48		11.1566	3.25995	-618.731		4061.55
1889	-6505.1	11.1572	3.2601	-621.431		4058.48	
1890.76	-6503.72		11.1579	3.26024	-624.131		4055.42
1892.53	-6502.33		11.1585	3.26038	-626.83	4052.34	
1894.29	-6500.95		11.1591	3.26053	-629.528		4049.27
1896.05	-6499.56		11.1598	3.26067	-632.225		4046.19
1897.82	-6498.17		11.1604	3.26081	-634.922		4043.1
1899.58	-6496.79		11.161	3.26095	-637.619		4040.02
1901.34	-6495.4	11.1616	3.2611	-640.314		4036.92	
1903.11	-6494	11.1623	3.26124	-643.009		4033.83	
1904.87	-6492.61		11.1629	3.26138	-645.703		4030.73
1906.63	-6491.21		11.1635	3.26152	-648.397		4027.62
1908.39	-6489.82		11.1642	3.26167	-651.09	4024.51	
1910.15	-6488.42		11.1648	3.26181	-653.782		4021.4
1911.91	-6487.02		11.1654	3.26195	-656.474		4018.28
1913.67	-6485.62		11.166	3.26209	-659.165		4015.16
1915.43	-6484.22		11.1667	3.26224	-661.855		4012.03
1917.19	-6482.81		11.1673	3.26238	-664.544		4008.9
1918.95	-6481.41		11.1679	3.26252	-667.233		4005.77
1920.71	-6480	11.1686	3.26266	-669.921		4002.63	
1922.46	-6478.59		11.1692	3.26281	-672.609		3999.49
1924.22	-6477.18		11.1698	3.26295	-675.295		3996.34
1925.98	-6475.77		11.1705	3.26309	-677.981		3993.19
1927.73	-6474.36		11.1711	3.26324	-680.666		3990.04
1929.49	-6472.95		11.1717	3.26338	-683.351		3986.88
1931.24	-6471.53		11.1724	3.26352	-686.035		3983.72
1933	-6470.11		11.173	3.26366	-688.718		3980.55
1934.75	-6468.69		11.1736	3.26381	-691.4	3977.38	
1936.51	-6467.27		11.1743	3.26395	-694.081		3974.2
1938.26	-6465.85		11.1749	3.26409	-696.762		3971.02
1940.01	-6464.43		11.1755	3.26424	-699.442		3967.83
1941.77	-6463.01		11.1762	3.26438	-702.121		3964.65
1943.52	-6461.58		11.1768	3.26452	-704.8	3961.45	
1945.27	-6460.15		11.1774	3.26467	-707.478		3958.26
1947.02	-6458.72		11.1781	3.26481	-710.154		3955.05

1948.77	-6457.29		11.1787	3.26495	-712.831		3951.85
1950.52	-6455.86		11.1793	3.2651	-715.506		3948.64
1952.27	-6454.43		11.18	3.26524	-718.181		3945.42
1954.02	-6453	11.1806	3.26538	-720.854		3942.2	
1955.77	-6451.56		11.1812	3.26553	-723.527		3938.98
1957.52	-6450.12		11.1819	3.26567	-726.2	3935.75	
1959.27	-6448.68		11.1825	3.26581	-728.871		3932.52
1961.02	-6447.24		11.1831	3.26596	-731.542		3929.29
1962.77	-6445.8	11.1838	3.2661	-734.211		3926.05	
1964.51	-6444.36		11.1844	3.26625	-736.88	3922.8	
1966.26	-6442.91		11.185	3.26639	-739.549		3919.55
1968	-6441.47		11.1857	3.26653	-742.216		3916.3
1969.75	-6440.02		11.1863	3.26668	-744.882		3913.04
1971.5	-6438.57		11.1869	3.26682	-747.548		3909.78
1973.24	-6437.12		11.1876	3.26697	-750.213		3906.52
1974.98	-6435.67		11.1882	3.26711	-752.877		3903.25
1976.73	-6434.21		11.1888	3.26725	-755.54	3899.97	
1978.47	-6432.76		11.1895	3.2674	-758.202		3896.69
1980.21	-6431.3	11.1901	3.26754	-760.864		3893.41	
1981.96	-6429.84		11.1907	3.26769	-763.524		3890.12
1983.7	-6428.38		11.1914	3.26783	-766.184		3886.83
1985.44	-6426.92		11.192	3.26798	-768.843		3883.53
1987.18	-6425.46		11.1927	3.26812	-771.5	3880.23	
1988.92	-6424	11.1933	3.26827	-774.158		3876.92	
1990.66	-6422.53		11.1939	3.26841	-776.814		3873.61
1992.4	-6421.06		11.1946	3.26856	-779.469		3870.3
1994.14	-6419.59		11.1952	3.2687	-782.123		3866.98
1995.88	-6418.12		11.1958	3.26885	-784.777		3863.66
1997.62	-6416.65		11.1965	3.26899	-787.429		3860.33
1999.36	-6415.18		11.1971	3.26914	-790.081		3857
2001.09	-6413.7	11.1978	3.26928	-792.732		3853.66	
2002.83	-6412.23		11.1984	3.26943	-795.381		3850.32
2004.57	-6410.75		11.199	3.26958	-798.03	3846.98	
2006.3	-6409.27		11.1997	3.26972	-800.678		3843.63
2008.04	-6407.79		11.2003	3.26987	-803.325		3840.27
2009.77	-6406.31		11.2009	3.27001	-805.971		3836.92
2011.51	-6404.83		11.2016	3.27016	-808.616		3833.55
2013.24	-6403.34		11.2022	3.27031	-811.26	3830.19	
2014.98	-6401.85		11.2029	3.27045	-813.904		3826.81
2016.71	-6400.37		11.2035	3.2706	-816.546		3823.44
2018.44	-6398.88		11.2041	3.27075	-819.187		3820.06
2020.18	-6397.39		11.2048	3.27089	-821.827		3816.67
2021.91	-6395.89		11.2054	3.27104	-824.467		3813.28
2023.64	-6394.4	11.2061	3.27119	-827.105		3809.89	
2025.37	-6392.91		11.2067	3.27133	-829.742		3806.49
2027.1	-6391.41		11.2073	3.27148	-832.379		3803.09
2028.83	-6389.91		11.208	3.27163	-835.014		3799.68
2030.56	-6388.41		11.2086	3.27178	-837.648		3796.27
2032.29	-6386.91		11.2093	3.27192	-840.282		3792.85
2034.02	-6385.41		11.2099	3.27207	-842.914		3789.43
2035.75	-6383.9	11.2105	3.27222	-845.545		3786	
2037.47	-6382.4	11.2112	3.27237	-848.176		3782.57	
2039.2	-6380.89		11.2118	3.27251	-850.805		3779.14
2040.93	-6379.38		11.2125	3.27266	-853.433		3775.7
2042.65	-6377.87		11.2131	3.27281	-856.06	3772.25	
2044.38	-6376.36		11.2137	3.27296	-858.687		3768.81
2046.11	-6374.85		11.2144	3.27311	-861.312		3765.35

2047.83	-6373.33	11.215	3.27326	-863.936	3761.9
2049.55	-6371.81	11.2157	3.27341	-866.559	3758.43
2051.28	-6370.3	11.2163	3.27356	-869.18	3754.97
2053	-6368.78	11.2169	3.27371	-871.801	3751.49
2054.73	-6367.26	11.2176	3.27385	-874.421	3748.02
2056.45	-6365.74	11.2182	3.274	-877.04	3744.54
2058.17	-6364.21	11.2189	3.27415	-879.657	3741.05
2059.89	-6362.69	11.2195	3.2743	-882.274	3737.56
2061.61	-6361.16	11.2201	3.27445	-884.889	3734.07
2063.33	-6359.63	11.2208	3.2746	-887.503	3730.57
2065.05	-6358.1	11.2214	3.27475	-890.116	3727.07
2066.77	-6356.57	11.2221	3.27491	-892.728	3723.56
2068.49	-6355.04	11.2227	3.27506	-895.339	3720.04
2070.21	-6353.51	11.2234	3.27521	-897.949	3716.53
2071.93	-6351.97	11.224	3.27536	-900.558	3713.01
2073.65	-6350.43	11.2246	3.27551	-903.165	3709.48
2075.36	-6348.9	11.2253	3.27566	-905.771	3705.95
2077.08	-6347.36	11.2259	3.27581	-908.377	3702.41
2078.8	-6345.81	11.2266	3.27596	-910.981	3698.87
2080.51	-6344.27	11.2272	3.27612	-913.583	3695.32
2082.23	-6342.73	11.2279	3.27627	-916.185	3691.77
2083.94	-6341.18	11.2285	3.27642	-918.786	3688.22
2085.66	-6339.63	11.2291	3.27657	-921.385	3684.66
2087.37	-6338.08	11.2298	3.27673	-923.983	3681.09
2089.08	-6336.53	11.2304	3.27688	-926.58	3677.53
2090.8	-6334.98	11.2311	3.27703	-929.176	3673.95
2092.51	-6333.43	11.2317	3.27718	-931.77	3670.37
2094.22	-6331.87	11.2324	3.27734	-934.364	3666.79
2095.93	-6330.32	11.233	3.27749	-936.956	3663.2
2097.64	-6328.76	11.2336	3.27765	-939.547	3659.61
2099.35	-6327.2	11.2343	3.2778	-942.136	3656.01
2101.06	-6325.64	11.2349	3.27795	-944.725	3652.41
2102.77	-6324.08	11.2356	3.27811	-947.312	3648.8
2104.48	-6322.51	11.2362	3.27826	-949.898	3645.19
2106.19	-6320.95	11.2369	3.27842	-952.482	3641.58
2107.9	-6319.38	11.2375	3.27857	-955.066	3637.95
2109.61	-6317.81	11.2381	3.27873	-957.648	3634.33
2111.31	-6316.24	11.2388	3.27888	-960.229	3630.7
2113.02	-6314.67	11.2394	3.27904	-962.808	3627.06
2114.72	-6313.1	11.2401	3.2792	-965.387	3623.42
2116.43	-6311.52	11.2407	3.27935	-967.964	3619.78
2118.13	-6309.95	11.2414	3.27951	-970.539	3616.13
2119.84	-6308.37	11.242	3.27966	-973.114	3612.47
2121.54	-6306.79	11.2426	3.27982	-975.687	3608.81
2123.25	-6305.21	11.2433	3.27998	-978.258	3605.15
2124.95	-6303.63	11.2439	3.28014	-980.829	3601.48
2126.65	-6302.05	11.2446	3.28029	-983.398	3597.8
2128.35	-6300.46	11.2452	3.28045	-985.966	3594.12
2130.05	-6298.88	11.2459	3.28061	-988.532	3590.44
2131.76	-6297.29	11.2465	3.28077	-991.097	3586.75
2133.46	-6295.7	11.2472	3.28092	-993.661	3583.06
2135.16	-6294.11	11.2478	3.28108	-996.223	3579.36
2136.86	-6292.52	11.2484	3.28124	-998.784	3575.66
2138.55	-6290.92	11.2491	3.2814	-1001.34	3571.95
2140.25	-6289.33	11.2497	3.28156	-1003.9	3568.24
2141.95	-6287.73	11.2504	3.28172	-1006.46	3564.52
2143.65	-6286.13	11.251	3.28188	-1009.01	3560.79

2145.34	-6284.53		11.2517	3.28204	-1011.57		3557.07
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2150.43	-6279.72		11.2536	3.28252	-1019.22		3545.85
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2153.82	-6276.51		11.2549	3.28284	-1024.32		3538.35
2155.51	-6274.9	11.2555	3.28301	-1026.86		3534.6	
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2162.28	-6268.45		11.2581	3.28365	-1037.03		3519.52
2163.98	-6266.83		11.2587	3.28382	-1039.57		3515.74
2165.67	-6265.22		11.2594	3.28398	-1042.1	3511.95	
2167.36	-6263.6	11.26	3.28414	-1044.64		3508.16	
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2174.11	-6257.1	11.2626	3.2848	-1054.76		3492.94	
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2177.49	-6253.85		11.2639	3.28513	-1059.82		3485.3
2179.17	-6252.22		11.2645	3.2853	-1062.34		3481.47
2180.86	-6250.59		11.2652	3.28546	-1064.86		3477.64
2182.54	-6248.96		11.2658	3.28563	-1067.39		3473.8
2184.23	-6247.32		11.2665	3.2858	-1069.91		3469.96
2185.91	-6245.68		11.2671	3.28596	-1072.42		3466.11
2187.6	-6244.05		11.2678	3.28613	-1074.94		3462.26
2189.28	-6242.41		11.2684	3.2863	-1077.46		3458.4
2190.96	-6240.77		11.269	3.28646	-1079.97		3454.54
2192.65	-6239.12		11.2697	3.28663	-1082.48		3450.67
2194.33	-6237.48		11.2703	3.2868	-1084.99		3446.8
2196.01	-6235.84		11.271	3.28697	-1087.5	3442.92	
2197.69	-6234.19		11.2716	3.28714	-1090.01		3439.03
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2201.05	-6230.89		11.2729	3.28748	-1095.02		3431.25
2202.73	-6229.24		11.2735	3.28765	-1097.52		3427.35
2204.41	-6227.59		11.2742	3.28782	-1100.02		3423.45
2206.08	-6225.93		11.2748	3.28799	-1102.52		3419.54
2207.76	-6224.28		11.2755	3.28816	-1105.01		3415.63
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2211.12	-6220.96		11.2768	3.2885	-1110	3407.78	
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2216.14	-6215.98		11.2787	3.28902	-1117.47		3395.98
2217.82	-6214.31		11.2793	3.28919	-1119.96		3392.03
2219.49	-6212.65		11.28	3.28936	-1122.44		3388.08
2221.16	-6210.98		11.2806	3.28954	-1124.93		3384.13
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2226.18	-6205.97		11.2825	3.29006	-1132.37		3372.23
2227.85	-6204.29		11.2832	3.29023	-1134.84		3368.25
2229.52	-6202.62		11.2838	3.29041	-1137.32		3364.27
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2232.86	-6199.26		11.2851	3.29076	-1142.26		3356.29
2234.53	-6197.58		11.2857	3.29094	-1144.73		3352.3
2236.2	-6195.9	11.2864	3.29111	-1147.2	3348.29		
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2239.53	-6192.53		11.2877	3.29147	-1152.13		3340.27

2241.2	-6190.85		11.2883	3.29165	-1154.59		3336.25
2242.87	-6189.16		11.289	3.29182	-1157.05		3332.23
2244.53	-6187.47		11.2896	3.292	-1159.5	3328.2	
2246.2	-6185.78		11.2902	3.29218	-1161.96		3324.17
2247.86	-6184.09		11.2909	3.29236	-1164.42		3320.13
2249.53	-6182.4	11.2915	3.29254	-1166.87		3316.08	
2251.19	-6180.7	11.2922	3.29272	-1169.32		3312.03	
2252.85	-6179	11.2928	3.2929	-1171.77		3307.98	
2254.51	-6177.31		11.2934	3.29308	-1174.21		3303.91
2256.18	-6175.61		11.2941	3.29326	-1176.66		3299.85
2257.84	-6173.9	11.2947	3.29344	-1179.1	3295.78		
2259.5	-6172.2	11.2954	3.29363	-1181.54		3291.7	
2261.16	-6170.5	11.296	3.29381	-1183.98		3287.62	
2262.82	-6168.79		11.2966	3.29399	-1186.42		3283.53
2264.48	-6167.08		11.2973	3.29417	-1188.85		3279.44
2266.13	-6165.38		11.2979	3.29436	-1191.29		3275.34
2267.79	-6163.67		11.2985	3.29454	-1193.72		3271.23
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2271.11	-6160.24		11.2998	3.29491	-1198.57		3263.01
2272.76	-6158.52		11.3005	3.2951	-1201	3258.89	
2274.42	-6156.81		11.3011	3.29528	-1203.42		3254.76
2276.07	-6155.09		11.3017	3.29547	-1205.84		3250.63
2277.73	-6153.37		11.3024	3.29566	-1208.26		3246.49
2279.38	-6151.65		11.303	3.29584	-1210.68		3242.35
2281.04	-6149.93		11.3037	3.29603	-1213.09		3238.2
2282.69	-6148.2	11.3043	3.29622	-1215.51		3234.05	
2284.34	-6146.48		11.3049	3.29641	-1217.92		3229.89
2285.99	-6144.75		11.3056	3.29659	-1220.33		3225.73
2287.64	-6143.02		11.3062	3.29678	-1222.73		3221.56
2289.29	-6141.29		11.3068	3.29697	-1225.14		3217.38
2290.94	-6139.56		11.3075	3.29716	-1227.54		3213.2
2292.59	-6137.83		11.3081	3.29735	-1229.94		3209.02
2294.24	-6136.09		11.3087	3.29754	-1232.34		3204.83
2295.89	-6134.36		11.3094	3.29773	-1234.73		3200.63
2297.54	-6132.62		11.31	3.29793	-1237.13		3196.43
2299.19	-6130.88		11.3107	3.29812	-1239.52		3192.22
2300.83	-6129.14		11.3113	3.29831	-1241.91		3188
2302.48	-6127.4	11.3119	3.2985	-1244.29		3183.79	
2304.12	-6125.65		11.3126	3.2987	-1246.68		3179.56
2305.77	-6123.91		11.3132	3.29889	-1249.06		3175.33
2307.41	-6122.16		11.3138	3.29909	-1251.44		3171.09
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2312.34	-6116.91		11.3157	3.29967	-1258.57		3158.35
2313.98	-6115.16		11.3164	3.29987	-1260.94		3154.09
2315.63	-6113.4	11.317	3.30006	-1263.31		3149.83	
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2318.91	-6109.89		11.3183	3.30046	-1268.04		3141.29
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2322.19	-6106.37		11.3195	3.30086	-1272.77		3132.72
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2327.1	-6101.08		11.3214	3.30146	-1279.83		3119.82
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2330.37	-6097.54		11.3227	3.30186	-1284.53		3111.2
2332.01	-6095.77		11.3233	3.30206	-1286.88		3106.88
2333.64	-6094	11.324	3.30226	-1289.22		3102.55	

2335.28	-6092.23		11.3246	3.30246	-1291.57		3098.22
2336.91	-6090.45		11.3252	3.30267	-1293.9	3093.88	
2338.55	-6088.67		11.3258	3.30287	-1296.24		3089.54
2340.18	-6086.9	11.3265	3.30307	-1298.58		3085.19	
2341.81	-6085.12		11.3271	3.30328	-1300.91		3080.84
2343.44	-6083.34		11.3277	3.30348	-1303.24		3076.48
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2349.96	-6076.2	11.3302	3.30431	-1312.53		3058.98	
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2353.22	-6072.62		11.3315	3.30473	-1317.16		3050.19
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2356.47	-6069.04		11.3327	3.30514	-1321.78		3041.38
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2359.72	-6065.44		11.334	3.30557	-1326.39		3032.55
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2362.97	-6061.85		11.3353	3.30599	-1330.99		3023.7
2364.6	-6060.05		11.3359	3.3062	-1333.29		3019.26
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2369.47	-6054.63		11.3378	3.30684	-1340.16		3005.92
2371.09	-6052.83		11.3384	3.30705	-1342.45		3001.46
2372.71	-6051.02		11.339	3.30727	-1344.73		2996.99
2374.33	-6049.21		11.3396	3.30748	-1347.01		2992.52
2375.95	-6047.4	11.3402	3.3077	-1349.29		2988.04	
2377.57	-6045.58		11.3409	3.30792	-1351.57		2983.56
2379.19	-6043.77		11.3415	3.30813	-1353.84		2979.07
2380.8	-6041.95		11.3421	3.30835	-1356.11		2974.57
2382.42	-6040.14		11.3427	3.30857	-1358.38		2970.07
2384.04	-6038.32		11.3433	3.30879	-1360.64		2965.57
2385.65	-6036.5	11.344	3.30901	-1362.9	2961.05		
2387.27	-6034.67		11.3446	3.30923	-1365.16		2956.53
2388.88	-6032.85		11.3452	3.30945	-1367.42		2952.01
2390.5	-6031.02		11.3458	3.30967	-1369.67		2947.48
2392.11	-6029.2	11.3464	3.30989	-1371.92		2942.94	
2393.72	-6027.37		11.3471	3.31011	-1374.17		2938.4
2395.34	-6025.54		11.3477	3.31034	-1376.41		2933.85
2396.95	-6023.71		11.3483	3.31056	-1378.65		2929.3
2398.56	-6021.87		11.3489	3.31078	-1380.89		2924.73
2400.17	-6020.04		11.3495	3.31101	-1383.13		2920.17
2401.78	-6018.2	11.3502	3.31123	-1385.36		2915.59	
2403.39	-6016.36		11.3508	3.31146	-1387.59		2911.02
2405	-6014.52		11.3514	3.31169	-1389.82		2906.43
2406.61	-6012.68		11.352	3.31191	-1392.05		2901.84
2408.21	-6010.84		11.3526	3.31214	-1394.27		2897.24
2409.82	-6009	11.3532	3.31237	-1396.49		2892.64	
2411.43	-6007.15		11.3538	3.3126	-1398.7	2888.03	
2413.03	-6005.3	11.3545	3.31283	-1400.91		2883.41	
2414.64	-6003.45		11.3551	3.31306	-1403.12		2878.79
2416.24	-6001.6	11.3557	3.31329	-1405.33		2874.16	
2417.84	-5999.75		11.3563	3.31352	-1407.53		2869.53
2419.45	-5997.9	11.3569	3.31376	-1409.74		2864.89	
2421.05	-5996.04		11.3575	3.31399	-1411.93		2860.25
2422.65	-5994.19		11.3581	3.31422	-1414.13		2855.59
2424.25	-5992.33		11.3587	3.31446	-1416.32		2850.93
2425.85	-5990.47		11.3593	3.31469	-1418.51		2846.27

2427.45	-5988.61	11.36	3.31493	-1420.69	2841.6
2429.05	-5986.75	11.3606	3.31516	-1422.88	2836.92
2430.65	-5984.88	11.3612	3.3154	-1425.05	2832.24
2432.25	-5983.02	11.3618	3.31564	-1427.23	2827.55
2433.85	-5981.15	11.3624	3.31587	-1429.4	2822.85
2435.44	-5979.28	11.363	3.31611	-1431.57	2818.15
2437.04	-5977.41	11.3636	3.31635	-1433.74	2813.44
2438.64	-5975.54	11.3642	3.31659	-1435.9	2808.73
2440.23	-5973.66	11.3648	3.31683	-1438.06	2804.01
2441.82	-5971.79	11.3654	3.31708	-1440.22	2799.28
2443.42	-5969.91	11.366	3.31732	-1442.37	2794.55
2445.01	-5968.03	11.3666	3.31756	-1444.52	2789.81
2446.6	-5966.15	11.3672	3.3178	-1446.67	2785.07
2448.2	-5964.27	11.3678	3.31805	-1448.81	2780.31
2449.79	-5962.39	11.3684	3.31829	-1450.96	2775.56
2451.38	-5960.5	11.369	3.31854	-1453.09	2770.79
2452.97	-5958.62	11.3696	3.31878	-1455.23	2766.02
2454.56	-5956.73	11.3702	3.31903	-1457.36	2761.24
2456.14	-5954.84	11.3708	3.31928	-1459.48	2756.46
2457.73	-5952.95	11.3714	3.31953	-1461.61	2751.67
2459.32	-5951.06	11.372	3.31978	-1463.73	2746.88
2460.91	-5949.16	11.3726	3.32003	-1465.85	2742.07
2462.49	-5947.27	11.3732	3.32028	-1467.96	2737.26
2464.08	-5945.37	11.3738	3.32053	-1470.07	2732.45
2465.66	-5943.47	11.3744	3.32078	-1472.18	2727.63
2467.25	-5941.57	11.375	3.32103	-1474.28	2722.8
2468.83	-5939.67	11.3756	3.32129	-1476.38	2717.97
2470.41	-5937.77	11.3762	3.32154	-1478.47	2713.13
2471.99	-5935.86	11.3768	3.32179	-1480.57	2708.28
2473.58	-5933.96	11.3774	3.32205	-1482.66	2703.43
2475.16	-5932.05	11.378	3.32231	-1484.74	2698.57
2476.74	-5930.14	11.3786	3.32256	-1486.82	2693.7
2478.32	-5928.23	11.3792	3.32282	-1488.9	2688.83
2479.9	-5926.31	11.3798	3.32308	-1490.98	2683.95
2481.47	-5924.4	11.3803	3.32334	-1493.05	2679.06
2483.05	-5922.48	11.3809	3.3236	-1495.12	2674.17
2484.63	-5920.57	11.3815	3.32386	-1497.18	2669.27
2486.2	-5918.65	11.3821	3.32412	-1499.24	2664.37
2487.78	-5916.73	11.3827	3.32438	-1501.3	2659.45
2489.35	-5914.8	11.3833	3.32464	-1503.35	2654.54
2490.93	-5912.88	11.3839	3.32491	-1505.4	2649.61
2492.5	-5910.96	11.3845	3.32517	-1507.44	2644.68
2494.08	-5909.03	11.385	3.32544	-1509.49	2639.74
2495.65	-5907.1	11.3856	3.3257	-1511.52	2634.8
2497.22	-5905.17	11.3862	3.32597	-1513.56	2629.85
2498.79	-5903.24	11.3868	3.32624	-1515.59	2624.89
2500.36	-5901.31	11.3874	3.32651	-1517.61	2619.93
2501.93	-5899.37	11.388	3.32678	-1519.64	2614.96
2503.5	-5897.43	11.3885	3.32705	-1521.66	2609.98
2505.07	-5895.5	11.3891	3.32732	-1523.67	2605
2506.64	-5893.56	11.3897	3.32759	-1525.68	2600.01
2508.2	-5891.62	11.3903	3.32786	-1527.69	2595.01
2509.77	-5889.67	11.3909	3.32813	-1529.69	2590.01
2511.33	-5887.73	11.3914	3.32841	-1531.69	2585
2512.9	-5885.78	11.392	3.32868	-1533.69	2579.98
2514.46	-5883.84	11.3926	3.32896	-1535.68	2574.96
2516.03	-5881.89	11.3932	3.32923	-1537.67	2569.93

2517.59	-5879.94	11.3937	3.32951	-1539.65	2564.89
2519.15	-5877.99	11.3943	3.32979	-1541.63	2559.84
2520.71	-5876.03	11.3949	3.33007	-1543.6	2554.79
2522.28	-5874.08	11.3954	3.33035	-1545.57	2549.74
2523.84	-5872.12	11.396	3.33063	-1547.54	2544.67
2525.4	-5870.16	11.3966	3.33091	-1549.51	2539.6
2526.95	-5868.2	11.3972	3.33119	-1551.46	2534.53
2528.51	-5866.24	11.3977	3.33147	-1553.42	2529.44
2530.07	-5864.28	11.3983	3.33175	-1555.37	2524.35
2531.63	-5862.31	11.3989	3.33204	-1557.32	2519.26
2533.18	-5860.35	11.3994	3.33232	-1559.26	2514.15
2534.74	-5858.38	11.4	3.33261	-1561.2	2509.04
2536.29	-5856.41	11.4006	3.3329	-1563.13	2503.93
2537.85	-5854.44	11.4011	3.33318	-1565.06	2498.8
2539.4	-5852.47	11.4017	3.33347	-1566.98	2493.67
2540.96	-5850.49	11.4022	3.33376	-1568.9	2488.53
2542.51	-5848.52	11.4028	3.33405	-1570.82	2483.39
2544.06	-5846.54	11.4034	3.33434	-1572.73	2478.24
2545.61	-5844.56	11.4039	3.33464	-1574.64	2473.08
2547.16	-5842.58	11.4045	3.33493	-1576.54	2467.91
2548.71	-5840.6	11.405	3.33522	-1578.44	2462.74
2550.26	-5838.61	11.4056	3.33552	-1580.34	2457.56
2551.81	-5836.63	11.4061	3.33581	-1582.23	2452.38
2553.35	-5834.64	11.4067	3.33611	-1584.11	2447.18
2554.9	-5832.65	11.4073	3.33641	-1586	2441.99
2556.45	-5830.66	11.4078	3.3367	-1587.87	2436.78
2557.99	-5828.67	11.4084	3.337	-1589.74	2431.57
2559.54	-5826.68	11.4089	3.3373	-1591.61	2426.35
2561.08	-5824.69	11.4095	3.3376	-1593.47	2421.12
2562.62	-5822.69	11.41	3.3379	-1595.33	2415.89
2564.17	-5820.69	11.4106	3.33821	-1597.19	2410.64
2565.71	-5818.69	11.4111	3.33851	-1599.04	2405.4
2567.25	-5816.69	11.4117	3.33881	-1600.88	2400.14
2568.79	-5814.69	11.4122	3.33912	-1602.72	2394.88
2570.33	-5812.68	11.4127	3.33943	-1604.56	2389.61
2571.87	-5810.68	11.4133	3.33973	-1606.39	2384.34
2573.41	-5808.67	11.4138	3.34004	-1608.21	2379.05
2574.94	-5806.66	11.4144	3.34035	-1610.03	2373.76
2576.48	-5804.65	11.4149	3.34066	-1611.85	2368.47
2578.02	-5802.64	11.4155	3.34097	-1613.66	2363.16
2579.55	-5800.62	11.416	3.34128	-1615.47	2357.85
2581.09	-5798.61	11.4165	3.34159	-1617.27	2352.54
2582.62	-5796.59	11.4171	3.34191	-1619.07	2347.21
2584.16	-5794.57	11.4176	3.34222	-1620.86	2341.88
2585.69	-5792.55	11.4181	3.34254	-1622.65	2336.54
2587.22	-5790.53	11.4187	3.34285	-1624.43	2331.2
2588.75	-5788.51	11.4192	3.34317	-1626.21	2325.84
2590.28	-5786.48	11.4197	3.34349	-1627.98	2320.48
2591.81	-5784.46	11.4203	3.34381	-1629.74	2315.12
2593.34	-5782.43	11.4208	3.34413	-1631.51	2309.74
2594.87	-5780.4	11.4213	3.34445	-1633.26	2304.36
2596.4	-5778.37	11.4218	3.34477	-1635.02	2298.97
2597.92	-5776.34	11.4224	3.34509	-1636.76	2293.58
2599.45	-5774.3	11.4229	3.34542	-1638.5	2288.17
2600.98	-5772.27	11.4234	3.34574	-1640.24	2282.76
2602.5	-5770.23	11.4239	3.34607	-1641.97	2277.35
2604.03	-5768.19	11.4245	3.34639	-1643.7	2271.92

2605.55	-5766.15		11.425	3.34672	-1645.42		2266.49
2607.07	-5764.11		11.4255	3.34705	-1647.14		2261.05
2608.59	-5762.06		11.426	3.34738	-1648.85		2255.61
2610.11	-5760.02		11.4265	3.34771	-1650.55		2250.16
2611.64	-5757.97		11.427	3.34804	-1652.25		2244.7
2613.15	-5755.92		11.4276	3.34837	-1653.95		2239.23
2614.67	-5753.87		11.4281	3.34871	-1655.64		2233.75
2616.19	-5751.82		11.4286	3.34904	-1657.32		2228.27
2617.71	-5749.77		11.4291	3.34938	-1659	2222.78	
2619.23	-5747.71		11.4296	3.34971	-1660.67		2217.29
2620.74	-5745.65		11.4301	3.35005	-1662.34		2211.78
2622.26	-5743.6	11.4306	3.35039	-1664	2206.27		
2623.77	-5741.54		11.4311	3.35073	-1665.66		2200.76
2625.29	-5739.47		11.4316	3.35107	-1667.31		2195.23
2626.8	-5737.41		11.4321	3.35141	-1668.95		2189.7
2628.31	-5735.35		11.4326	3.35175	-1670.59		2184.16
2629.83	-5733.28		11.4331	3.35209	-1672.23		2178.61
2631.34	-5731.21		11.4336	3.35244	-1673.86		2173.06
2632.85	-5729.14		11.4341	3.35278	-1675.48		2167.49
2634.36	-5727.07		11.4346	3.35313	-1677.1	2161.93	
2635.87	-5725	11.4351	3.35348	-1678.71		2156.35	
2637.38	-5722.92		11.4356	3.35383	-1680.31		2150.77
2638.88	-5720.85		11.4361	3.35418	-1681.91		2145.17
2640.39	-5718.77		11.4366	3.35453	-1683.51		2139.58
2641.9	-5716.69		11.4371	3.35488	-1685.1	2133.97	
2643.4	-5714.61		11.4376	3.35523	-1686.68		2128.36
2644.91	-5712.53		11.4381	3.35558	-1688.25		2122.74
2646.41	-5710.44		11.4385	3.35594	-1689.82		2117.11
2647.91	-5708.36		11.439	3.35629	-1691.39		2111.47
2649.42	-5706.27		11.4395	3.35665	-1692.95		2105.83
2650.92	-5704.18		11.44	3.35701	-1694.5	2100.18	
2652.42	-5702.09		11.4405	3.35737	-1696.05		2094.52
2653.92	-5700	11.441	3.35773	-1697.59		2088.86	
2655.42	-5697.91		11.4414	3.35809	-1699.12		2083.19
2656.92	-5695.81		11.4419	3.35845	-1700.65		2077.51
2658.41	-5693.71		11.4424	3.35881	-1702.17		2071.82
2659.91	-5691.62		11.4429	3.35918	-1703.69		2066.12
2661.41	-5689.52		11.4433	3.35954	-1705.2	2060.42	
2662.9	-5687.41		11.4438	3.35991	-1706.7	2054.71	
2664.4	-5685.31		11.4443	3.36028	-1708.2	2048.99	
2665.89	-5683.21		11.4447	3.36064	-1709.69		2043.27
2667.39	-5681.1	11.4452	3.36101	-1711.17		2037.54	
2668.88	-5678.99		11.4457	3.36138	-1712.65		2031.8
2670.37	-5676.88		11.4461	3.36176	-1714.12		2026.05
2671.86	-5674.77		11.4466	3.36213	-1715.59		2020.29
2673.35	-5672.66		11.447	3.3625	-1717.05		2014.53
2674.84	-5670.54		11.4475	3.36288	-1718.5	2008.76	
2676.33	-5668.43		11.448	3.36325	-1719.95		2002.98
2677.82	-5666.31		11.4484	3.36363	-1721.39		1997.2
2679.31	-5664.19		11.4489	3.36401	-1722.82		1991.41
2680.79	-5662.07		11.4493	3.36439	-1724.25		1985.61
2682.28	-5659.95		11.4498	3.36477	-1725.67		1979.8
2683.76	-5657.82		11.4502	3.36515	-1727.08		1973.98
2685.25	-5655.7	11.4507	3.36553	-1728.49		1968.16	
2686.73	-5653.57		11.4511	3.36591	-1729.89		1962.33
2688.21	-5651.44		11.4515	3.3663	-1731.28		1956.49
2689.7	-5649.31		11.452	3.36668	-1732.67		1950.65

2691.18	-5647.18		11.4524	3.36707	-1734.05	1944.79
2692.66	-5645.04		11.4529	3.36746	-1735.42	1938.93
2694.14	-5642.91		11.4533	3.36785	-1736.78	1933.06
2695.62	-5640.77		11.4537	3.36824	-1738.14	1927.19
2697.09	-5638.63		11.4542	3.36863	-1739.49	1921.3
2698.57	-5636.49		11.4546	3.36902	-1740.84	1915.41
2700.05	-5634.35		11.455	3.36941	-1742.18	1909.51
2701.52	-5632.21		11.4555	3.36981	-1743.51	1903.6
2703	-5630.06		11.4559	3.3702	-1744.83	1897.69
2704.47	-5627.91		11.4563	3.3706	-1746.15	1891.77
2705.95	-5625.76		11.4567	3.371	-1747.46	1885.84
2707.42	-5623.61		11.4572	3.3714	-1748.76	1879.9
2708.89	-5621.46		11.4576	3.3718	-1750.05	1873.95
2710.36	-5619.31		11.458	3.3722	-1751.34	1868
2711.83	-5617.15		11.4584	3.3726	-1752.62	1862.04
2713.3	-5615	11.4588	3.37301	-1753.89	1856.07	
2714.77	-5612.84		11.4592	3.37341	-1755.16	1850.09
2716.24	-5610.68		11.4596	3.37382	-1756.42	1844.11
2717.71	-5608.52		11.4601	3.37422	-1757.67	1838.12
2719.17	-5606.36		11.4605	3.37463	-1758.91	1832.12
2720.64	-5604.19		11.4609	3.37504	-1760.15	1826.11
2722.1	-5602.02		11.4613	3.37545	-1761.38	1820.09
2723.57	-5599.86		11.4617	3.37586	-1762.6	1814.07
2725.03	-5597.69		11.4621	3.37628	-1763.81	1808.04
2726.49	-5595.52		11.4625	3.37669	-1765.02	1802
2727.96	-5593.34		11.4629	3.37711	-1766.22	1795.96
2729.42	-5591.17		11.4633	3.37752	-1767.41	1789.9
2730.88	-5588.99		11.4636	3.37794	-1768.59	1783.84
2732.34	-5586.81		11.464	3.37836	-1769.76	1777.77
2733.8	-5584.64		11.4644	3.37878	-1770.93	1771.69
2735.25	-5582.45		11.4648	3.3792	-1772.09	1765.61
2736.71	-5580.27		11.4652	3.37962	-1773.24	1759.51
2738.17	-5578.09		11.4656	3.38004	-1774.38	1753.41
2739.62	-5575.9	11.4659	3.38047	-1775.52	1747.3	
2741.08	-5573.71		11.4663	3.38089	-1776.65	1741.19
2742.53	-5571.52		11.4667	3.38132	-1777.76	1735.06
2743.98	-5569.33		11.4671	3.38175	-1778.88	1728.93
2745.44	-5567.14		11.4674	3.38218	-1779.98	1722.79
2746.89	-5564.95		11.4678	3.38261	-1781.07	1716.64
2748.34	-5562.75		11.4682	3.38304	-1782.16	1710.48
2749.79	-5560.55		11.4685	3.38347	-1783.24	1704.32
2751.24	-5558.36		11.4689	3.38391	-1784.31	1698.15
2752.69	-5556.16		11.4693	3.38434	-1785.37	1691.97
2754.13	-5553.95		11.4696	3.38478	-1786.42	1685.78
2755.58	-5551.75		11.47	3.38522	-1787.47	1679.59
2757.02	-5549.54		11.4703	3.38565	-1788.5	1673.38
2758.47	-5547.34		11.4707	3.38609	-1789.53	1667.17
2759.91	-5545.13		11.471	3.38653	-1790.55	1660.95
2761.36	-5542.92		11.4714	3.38698	-1791.56	1654.73
2762.8	-5540.71		11.4717	3.38742	-1792.56	1648.49
2764.24	-5538.49		11.4721	3.38786	-1793.56	1642.25
2765.68	-5536.28		11.4724	3.38831	-1794.54	1636
2767.12	-5534.06		11.4727	3.38876	-1795.52	1629.74
2768.56	-5531.84		11.4731	3.3892	-1796.49	1623.47
2770	-5529.62		11.4734	3.38965	-1797.44	1617.2
2771.44	-5527.4	11.4737	3.3901	-1798.39	1610.92	
2772.88	-5525.18		11.4741	3.39056	-1799.33	1604.63

2774.31	-5522.95		11.4744	3.39101	-1800.27		1598.33
2775.75	-5520.72		11.4747	3.39146	-1801.19		1592.02
2777.18	-5518.5	11.475	3.39192	-1802.1	1585.71		
2778.62	-5516.27		11.4753	3.39237	-1803.01		1579.38
2780.05	-5514.03		11.4757	3.39283	-1803.9	1573.05	
2781.48	-5511.8	11.476	3.39329	-1804.79		1566.72	
2782.91	-5509.57		11.4763	3.39375	-1805.67		1560.37
2784.34	-5507.33		11.4766	3.39421	-1806.53		1554.02
2785.77	-5505.09		11.4769	3.39467	-1807.39		1547.65
2787.2	-5502.85		11.4772	3.39514	-1808.24		1541.28
2788.63	-5500.61		11.4775	3.3956	-1809.08		1534.91
2790.05	-5498.37		11.4778	3.39607	-1809.91		1528.52
2791.48	-5496.12		11.4781	3.39654	-1810.73		1522.13
2792.91	-5493.87		11.4784	3.397	-1811.54		1515.73
2794.33	-5491.63		11.4787	3.39747	-1812.35		1509.32
2795.75	-5489.38		11.479	3.39794	-1813.14		1502.9
2797.18	-5487.12		11.4792	3.39842	-1813.92		1496.47
2798.6	-5484.87		11.4795	3.39889	-1814.69		1490.04
2800.02	-5482.62		11.4798	3.39936	-1815.46		1483.6
2801.44	-5480.36		11.4801	3.39984	-1816.21		1477.15
2802.86	-5478.1	11.4804	3.40032	-1816.95		1470.69	
2804.28	-5475.84		11.4806	3.40079	-1817.69		1464.23
2805.7	-5473.58		11.4809	3.40127	-1818.41		1457.75
2807.11	-5471.32		11.4812	3.40175	-1819.12		1451.27
2808.53	-5469.05		11.4814	3.40224	-1819.83		1444.78
2809.94	-5466.79		11.4817	3.40272	-1820.52		1438.28
2811.36	-5464.52		11.4819	3.4032	-1821.2	1431.78	
2812.77	-5462.25		11.4822	3.40369	-1821.88		1425.27
2814.19	-5459.98		11.4825	3.40417	-1822.54		1418.74
2815.6	-5457.71		11.4827	3.40466	-1823.19		1412.22
2817.01	-5455.43		11.483	3.40515	-1823.83		1405.68
2818.42	-5453.16		11.4832	3.40564	-1824.46		1399.13
2819.83	-5450.88		11.4834	3.40613	-1825.08		1392.58
2821.24	-5448.6	11.4837	3.40662	-1825.7	1386.02		
2822.64	-5446.32		11.4839	3.40712	-1826.3	1379.45	
2824.05	-5444.03		11.4841	3.40761	-1826.88		1372.87
2825.46	-5441.75		11.4844	3.40811	-1827.46		1366.29
2826.86	-5439.46		11.4846	3.40861	-1828.03		1359.69
2828.27	-5437.18		11.4848	3.4091	-1828.59		1353.09
2829.67	-5434.89		11.485	3.4096	-1829.14		1346.49
2831.07	-5432.6	11.4853	3.4101	-1829.67		1339.87	
2832.47	-5430.3	11.4855	3.41061	-1830.2	1333.24		
2833.88	-5428.01		11.4857	3.41111	-1830.71		1326.61
2835.27	-5425.71		11.4859	3.41161	-1831.21		1319.97
2836.67	-5423.42		11.4861	3.41212	-1831.7	1313.32	
2838.07	-5421.12		11.4863	3.41263	-1832.19		1306.67
2839.47	-5418.81		11.4865	3.41313	-1832.65		1300
2840.87	-5416.51		11.4867	3.41364	-1833.11		1293.33
2842.26	-5414.21		11.4869	3.41415	-1833.56		1286.65
2843.66	-5411.9	11.4871	3.41466	-1833.99		1279.96	
2845.05	-5409.59		11.4873	3.41518	-1834.42		1273.26
2846.44	-5407.29		11.4874	3.41569	-1834.83		1266.56
2847.84	-5404.97		11.4876	3.4162	-1835.23		1259.85
2849.23	-5402.66		11.4878	3.41672	-1835.62		1253.13
2850.62	-5400.35		11.488	3.41724	-1836	1246.4	
2852.01	-5398.03		11.4881	3.41775	-1836.37		1239.67
2853.4	-5395.71		11.4883	3.41827	-1836.72		1232.92

2854.78	-5393.39		11.4885	3.41879	-1837.06		1226.17
2856.17	-5391.07		11.4886	3.41932	-1837.39		1219.41
2857.56	-5388.75		11.4888	3.41984	-1837.71		1212.64
2858.94	-5386.43		11.4889	3.42036	-1838.02		1205.87
2860.33	-5384.1	11.4891	3.42089	-1838.31		1199.09	
2861.71	-5381.77		11.4892	3.42141	-1838.6	1192.3	
2863.09	-5379.44		11.4894	3.42194	-1838.87		1185.5
2864.47	-5377.11		11.4895	3.42247	-1839.13		1178.69
2865.85	-5374.78		11.4897	3.423	-1839.37		1171.88
2867.23	-5372.45		11.4898	3.42353	-1839.61		1165.06
2868.61	-5370.11		11.4899	3.42406	-1839.83		1158.23
2869.99	-5367.77		11.49	3.42459	-1840.04		1151.39
2871.37	-5365.43		11.4902	3.42513	-1840.23		1144.54
2872.74	-5363.09		11.4903	3.42566	-1840.42		1137.69
2874.12	-5360.75		11.4904	3.4262	-1840.59		1130.83
2875.49	-5358.41		11.4905	3.42674	-1840.75		1123.96
2876.87	-5356.06		11.4906	3.42728	-1840.89		1117.09
2878.24	-5353.71		11.4907	3.42781	-1841.03		1110.2
2879.61	-5351.36		11.4908	3.42836	-1841.15		1103.31
2880.98	-5349.01		11.4909	3.4289	-1841.25		1096.41
2882.35	-5346.66		11.491	3.42944	-1841.35		1089.5
2883.72	-5344.3	11.4911	3.42998	-1841.43		1082.59	
2885.09	-5341.95		11.4912	3.43053	-1841.5	1075.67	
2886.46	-5339.59		11.4913	3.43107	-1841.55		1068.74
2887.82	-5337.23		11.4913	3.43162	-1841.59		1061.8
2889.19	-5334.87		11.4914	3.43217	-1841.62		1054.85
2890.55	-5332.51		11.4915	3.43272	-1841.64		1047.9
2891.92	-5330.14		11.4915	3.43327	-1841.64		1040.94
2893.28	-5327.78		11.4916	3.43382	-1841.63		1033.97
2894.64	-5325.41		11.4917	3.43437	-1841.6	1027	
2896	-5323.04		11.4917	3.43493	-1841.56		1020.01
2897.36	-5320.67		11.4918	3.43548	-1841.51		1013.02
2898.72	-5318.3	11.4918	3.43603	-1841.44		1006.02	
2900.08	-5315.92		11.4919	3.43659	-1841.36		999.017
2901.44	-5313.55		11.4919	3.43715	-1841.27		992.004
2902.8	-5311.17		11.4919	3.43771	-1841.16		984.983
2904.15	-5308.79		11.492	3.43827	-1841.04		977.955
2905.51	-5306.41		11.492	3.43883	-1840.9	970.919	
2906.86	-5304.02		11.492	3.43939	-1840.75		963.876
2908.21	-5301.64		11.492	3.43995	-1840.58		956.825
2909.56	-5299.25		11.492	3.44051	-1840.4	949.767	
2910.92	-5296.87		11.492	3.44108	-1840.21		942.702
2912.27	-5294.48		11.492	3.44164	-1840	935.629	
2913.61	-5292.08		11.492	3.44221	-1839.78		928.549
2914.96	-5289.69		11.492	3.44277	-1839.54		921.462
2916.31	-5287.3	11.492	3.44334	-1839.29		914.367	
2917.66	-5284.9	11.492	3.44391	-1839.02		907.265	
2919	-5282.5	11.492	3.44448	-1838.74		900.156	
2920.35	-5280.1	11.492	3.44505	-1838.45		893.039	
2921.69	-5277.7	11.492	3.44562	-1838.14		885.916	
2923.03	-5275.3	11.4919	3.44619	-1837.81		878.785	
2924.37	-5272.89		11.4919	3.44677	-1837.47		871.647
2925.72	-5270.49		11.4918	3.44734	-1837.11		864.502
2927.06	-5268.08		11.4918	3.44792	-1836.74		857.349
2928.39	-5265.67		11.4918	3.44849	-1836.35		850.19
2929.73	-5263.26		11.4917	3.44907	-1835.95		843.024
2931.07	-5260.84		11.4916	3.44965	-1835.53		835.85

2932.41	-5258.43		11.4916	3.45022	-1835.1	828.67	
2933.74	-5256.01		11.4915	3.4508	-1834.65		821.482
2935.07	-5253.59		11.4914	3.45138	-1834.19		814.288
2936.41	-5251.17		11.4914	3.45196	-1833.71		807.086
2937.74	-5248.75		11.4913	3.45254	-1833.21		799.878
2939.07	-5246.33		11.4912	3.45313	-1832.7	792.663	
2940.4	-5243.9	11.4911	3.45371	-1832.17		785.441	
2941.73	-5241.48		11.491	3.45429	-1831.63		778.212
2943.06	-5239.05		11.4909	3.45488	-1831.07		770.976
2944.39	-5236.62		11.4908	3.45546	-1830.49		763.734
2945.72	-5234.19		11.4907	3.45605	-1829.9	756.484	
2947.04	-5231.75		11.4906	3.45663	-1829.29		749.229
2948.37	-5229.32		11.4905	3.45722	-1828.66		741.966
2949.69	-5226.88		11.4903	3.45781	-1828.02		734.697
2951.01	-5224.44		11.4902	3.4584	-1827.36		727.421
2952.33	-5222	11.4901	3.45899	-1826.69		720.138	
2953.66	-5219.56		11.4899	3.45958	-1826	712.849	
2954.98	-5217.12		11.4898	3.46017	-1825.29		705.554
2956.29	-5214.67		11.4896	3.46076	-1824.56		698.252
2957.61	-5212.23		11.4895	3.46135	-1823.82		690.943
2958.93	-5209.78		11.4893	3.46194	-1823.06		683.629
2960.25	-5207.33		11.4892	3.46254	-1822.28		676.307
2961.56	-5204.87		11.489	3.46313	-1821.49		668.98
2962.88	-5202.42		11.4888	3.46372	-1820.68		661.646
2964.19	-5199.96		11.4886	3.46432	-1819.85		654.306
2965.5	-5197.51		11.4885	3.46491	-1819.01		646.959
2966.81	-5195.05		11.4883	3.46551	-1818.14		639.607
2968.12	-5192.59		11.4881	3.4661	-1817.26		632.248
2969.43	-5190.13		11.4879	3.4667	-1816.36		624.883
2970.74	-5187.66		11.4877	3.4673	-1815.45		617.512
2972.05	-5185.2	11.4874	3.4679	-1814.51		610.136	
2973.35	-5182.73		11.4872	3.46849	-1813.56		602.753
2974.66	-5180.26		11.487	3.46909	-1812.59		595.364
2975.96	-5177.79		11.4868	3.46969	-1811.6	587.969	
2977.27	-5175.32		11.4865	3.47029	-1810.6	580.569	
2978.57	-5172.84		11.4863	3.47089	-1809.57		573.162
2979.87	-5170.37		11.4861	3.47149	-1808.53		565.75
2981.17	-5167.89		11.4858	3.47209	-1807.47		558.332
2982.47	-5165.41		11.4855	3.47269	-1806.39		550.909
2983.77	-5162.93		11.4853	3.47329	-1805.29		543.48
2985.07	-5160.44		11.485	3.47389	-1804.18		536.045
2986.37	-5157.96		11.4847	3.47449	-1803.04		528.605
2987.66	-5155.47		11.4845	3.47509	-1801.89		521.159
2988.96	-5152.99		11.4842	3.4757	-1800.71		513.708
2990.25	-5150.5	11.4839	3.4763	-1799.52		506.251	
2991.54	-5148.01		11.4836	3.4769	-1798.31		498.789
2992.84	-5145.51		11.4833	3.4775	-1797.08		491.322
2994.13	-5143.02		11.483	3.4781	-1795.83		483.85
2995.42	-5140.52		11.4827	3.47871	-1794.56		476.372
2996.7	-5138.02		11.4823	3.47931	-1793.27		468.889
2997.99	-5135.52		11.482	3.47991	-1791.97		461.402
2999.28	-5133.02		11.4817	3.48052	-1790.64		453.909
3000.57	-5130.52		11.4814	3.48112	-1789.29		446.411
3001.85	-5128.01		11.481	3.48172	-1787.93		438.909
3003.13	-5125.51		11.4807	3.48232	-1786.54		431.401
3004.42	-5123	11.4803	3.48293	-1785.13		423.889	
3005.7	-5120.49		11.4799	3.48353	-1783.71		416.372

3006.98	-5117.98	11.4796	3.48413	-1782.26	408.851
3008.26	-5115.46	11.4792	3.48474	-1780.8	401.325
3009.54	-5112.95	11.4788	3.48534	-1779.31	393.794
3010.82	-5110.43	11.4784	3.48594	-1777.8	386.259
3012.09	-5107.91	11.478	3.48654	-1776.27	378.719
3013.37	-5105.39	11.4776	3.48715	-1774.73	371.175
3014.64	-5102.87	11.4772	3.48775	-1773.16	363.627
3015.92	-5100.34	11.4768	3.48835	-1771.57	356.075
3017.19	-5097.82	11.4764	3.48895	-1769.96	348.518
3018.46	-5095.29	11.476	3.48955	-1768.33	340.958
3019.73	-5092.76	11.4755	3.49015	-1766.68	333.393
3021	-5090.23	11.4751	3.49076	-1765.01	325.824
3022.27	-5087.7	11.4747	3.49136	-1763.31	318.252
3023.54	-5085.16	11.4742	3.49196	-1761.6	310.676
3024.81	-5082.63	11.4737	3.49256	-1759.86	303.096
3026.07	-5080.09	11.4733	3.49315	-1758.1	295.512
3027.34	-5077.55	11.4728	3.49375	-1756.32	287.925
3028.6	-5075.01	11.4723	3.49435	-1754.52	280.334
3029.86	-5072.47	11.4718	3.49495	-1752.7	272.74
3031.12	-5069.92	11.4714	3.49555	-1750.86	265.143
3032.38	-5067.38	11.4709	3.49614	-1748.99	257.542
3033.64	-5064.83	11.4703	3.49674	-1747.11	249.938
3034.9	-5062.28	11.4698	3.49734	-1745.2	242.331
3036.16	-5059.73	11.4693	3.49793	-1743.27	234.721
3037.42	-5057.17	11.4688	3.49852	-1741.31	227.108
3038.67	-5054.62	11.4683	3.49912	-1739.34	219.492
3039.93	-5052.06	11.4677	3.49971	-1737.34	211.873
3041.18	-5049.5	11.4672	3.5003	-1735.32	204.252
3042.43	-5046.94	11.4666	3.50089	-1733.28	196.627
3043.68	-5044.38	11.4661	3.50149	-1731.21	189.001
3044.93	-5041.82	11.4655	3.50207	-1729.12	181.372
3046.18	-5039.25	11.4649	3.50266	-1727.01	173.74
3047.43	-5036.69	11.4643	3.50325	-1724.88	166.106
3048.68	-5034.12	11.4637	3.50384	-1722.72	158.47
3049.92	-5031.55	11.4632	3.50442	-1720.54	150.832
3051.17	-5028.97	11.4626	3.50501	-1718.34	143.192
3052.41	-5026.4	11.4619	3.50559	-1716.12	135.55
3053.66	-5023.82	11.4613	3.50618	-1713.87	127.907
3054.9	-5021.25	11.4607	3.50676	-1711.6	120.261
3056.14	-5018.67	11.4601	3.50734	-1709.3	112.614
3057.38	-5016.09	11.4594	3.50792	-1706.98	104.965
3058.62	-5013.5	11.4588	3.50849	-1704.64	97.315
3059.85	-5010.92	11.4581	3.50907	-1702.27	89.6636
3061.09	-5008.33	11.4575	3.50965	-1699.88	82.0108
3062.33	-5005.74	11.4568	3.51022	-1697.47	74.3569
3063.56	-5003.15	11.4561	3.51079	-1695.03	66.702
3064.79	-5000.56	11.4554	3.51137	-1692.57	59.0461
3066.03	-4997.97	11.4547	3.51194	-1690.09	51.3894
3067.26	-4995.38	11.454	3.5125	-1687.58	43.732
3068.49	-4992.78	11.4533	3.51307	-1685.05	36.0739
3069.72	-4990.18	11.4526	3.51364	-1682.49	28.4153
3070.95	-4987.58	11.4519	3.5142	-1679.91	20.7563
3072.17	-4984.98	11.4512	3.51476	-1677.3	13.097
3073.4	-4982.37	11.4504	3.51532	-1674.67	5.43753
3074.62	-4979.77	11.4497	3.51588	-1672.01	-2.22206
3075.85	-4977.16	11.4489	3.51644	-1669.33	-9.88161
3077.07	-4974.55	11.4482	3.51699	-1666.63	-17.541

3078.29	-4971.94		11.4474	3.51755	-1663.9	-25.2002	
3079.51	-4969.33		11.4466	3.5181	-1661.14		-32.859
3080.73	-4966.72		11.4459	3.51865	-1658.36		-40.5173
3081.95	-4964.1	11.4451	3.5192	-1655.56		-48.175	
3083.17	-4961.48		11.4443	3.51974	-1652.73		-55.832
3084.38	-4958.86		11.4435	3.52029	-1649.87		-63.4882
3085.6	-4956.24		11.4426	3.52083	-1646.99		-71.1433
3086.81	-4953.62		11.4418	3.52137	-1644.09		-78.7975
3088.03	-4951	11.441	3.5219	-1641.16		-86.4504	
3089.24	-4948.37		11.4401	3.52244	-1638.2	-94.1019	
3090.45	-4945.74		11.4393	3.52297	-1635.22		-101.752
3091.66	-4943.11		11.4384	3.5235	-1632.21		-109.401
3092.87	-4940.48		11.4376	3.52403	-1629.18		-117.047
3094.07	-4937.85		11.4367	3.52456	-1626.12		-124.693
3095.28	-4935.21		11.4358	3.52508	-1623.03		-132.336
3096.49	-4932.57		11.4349	3.5256	-1619.92		-139.977
3097.69	-4929.94		11.434	3.52612	-1616.79		-147.615
3098.89	-4927.3	11.4331	3.52663	-1613.62		-155.252	
3100.1	-4924.65		11.4322	3.52715	-1610.43		-162.886
3101.3	-4922.01		11.4313	3.52766	-1607.22		-170.517
3102.5	-4919.36		11.4304	3.52816	-1603.98		-178.145
3103.7	-4916.72		11.4294	3.52867	-1600.71		-185.771
3104.89	-4914.07		11.4285	3.52917	-1597.42		-193.394
3106.09	-4911.42		11.4275	3.52967	-1594.09		-201.013
3107.29	-4908.77		11.4266	3.53017	-1590.75		-208.629
3108.48	-4906.11		11.4256	3.53066	-1587.37		-216.242
3109.67	-4903.45		11.4246	3.53115	-1583.97		-223.851
3110.87	-4900.8	11.4236	3.53164	-1580.55		-231.457	
3112.06	-4898.14		11.4226	3.53212	-1577.09		-239.058
3113.25	-4895.48		11.4216	3.5326	-1573.61		-246.656
3114.44	-4892.81		11.4206	3.53308	-1570.11		-254.249
3115.62	-4890.15		11.4196	3.53355	-1566.57		-261.838
3116.81	-4887.48		11.4186	3.53402	-1563.01		-269.422
3118	-4884.81		11.4175	3.53449	-1559.42		-277.002
3119.18	-4882.14		11.4165	3.53495	-1555.81		-284.578
3120.36	-4879.47		11.4154	3.53541	-1552.17		-292.148
3121.55	-4876.8	11.4144	3.53587	-1548.5	-299.713		
3122.73	-4874.12		11.4133	3.53632	-1544.8	-307.273	
3123.91	-4871.44		11.4122	3.53677	-1541.08		-314.828
3125.08	-4868.77		11.4111	3.53722	-1537.33		-322.377
3126.26	-4866.08		11.41	3.53766	-1533.55		-329.92
3127.44	-4863.4	11.4089	3.5381	-1529.74		-337.458	
3128.61	-4860.72		11.4078	3.53853	-1525.91		-344.99
3129.79	-4858.03		11.4067	3.53896	-1522.05		-352.515
3130.96	-4855.34		11.4055	3.53939	-1518.16		-360.034
3132.13	-4852.65		11.4044	3.53981	-1514.25		-367.547
3133.3	-4849.96		11.4033	3.54023	-1510.31		-375.053
3134.47	-4847.27		11.4021	3.54064	-1506.33		-382.552
3135.64	-4844.58		11.4009	3.54105	-1502.34		-390.045
3136.81	-4841.88		11.3998	3.54146	-1498.31		-397.53
3137.98	-4839.18		11.3986	3.54186	-1494.26		-405.008
3139.14	-4836.48		11.3974	3.54226	-1490.18		-412.478
3140.31	-4833.78		11.3962	3.54265	-1486.07		-419.941
3141.47	-4831.07		11.395	3.54303	-1481.93		-427.396
3142.63	-4828.37		11.3937	3.54342	-1477.76		-434.844
3143.79	-4825.66		11.3925	3.5438	-1473.57		-442.283
3144.95	-4822.95		11.3913	3.54417	-1469.35		-449.713

3146.11	-4820.24	11.39	3.54454	-1465.1	-457.136
3147.27	-4817.53	11.3888	3.5449	-1460.83	-464.549
3148.42	-4814.82	11.3875	3.54526	-1456.52	-471.954
3149.58	-4812.1	11.3862	3.54561	-1452.19	-479.35
3150.73	-4809.38	11.3849	3.54596	-1447.83	-486.737
3151.88	-4806.66	11.3837	3.54631	-1443.44	-494.114
3153.03	-4803.94	11.3824	3.54665	-1439.03	-501.482
3154.18	-4801.22	11.381	3.54698	-1434.58	-508.84
3155.33	-4798.49	11.3797	3.54731	-1430.11	-516.189
3156.48	-4795.77	11.3784	3.54763	-1425.61	-523.527
3157.63	-4793.04	11.3771	3.54795	-1421.08	-530.855
3158.77	-4790.31	11.3757	3.54826	-1416.52	-538.173
3159.92	-4787.57	11.3744	3.54856	-1411.94	-545.48
3161.06	-4784.84	11.373	3.54887	-1407.33	-552.777
3162.2	-4782.1	11.3716	3.54916	-1402.69	-560.062
3163.34	-4779.37	11.3703	3.54945	-1398.02	-567.337
3164.48	-4776.63	11.3689	3.54973	-1393.32	-574.6
3165.62	-4773.89	11.3675	3.55001	-1388.6	-581.852
3166.76	-4771.14	11.3661	3.55028	-1383.84	-589.092
3167.9	-4768.4	11.3646	3.55055	-1379.06	-596.32
3169.03	-4765.65	11.3632	3.55081	-1374.25	-603.537
3170.16	-4762.9	11.3618	3.55106	-1369.42	-610.741
3171.3	-4760.15	11.3604	3.55131	-1364.55	-617.933
3172.43	-4757.4	11.3589	3.55155	-1359.66	-625.112
3173.56	-4754.65	11.3574	3.55178	-1354.74	-632.278
3174.69	-4751.89	11.356	3.55201	-1349.79	-639.432
3175.81	-4749.14	11.3545	3.55223	-1344.81	-646.573
3176.94	-4746.38	11.353	3.55245	-1339.81	-653.7
3178.07	-4743.62	11.3515	3.55266	-1334.78	-660.813
3179.19	-4740.85	11.35	3.55286	-1329.71	-667.914
3180.31	-4738.09	11.3485	3.55305	-1324.63	-675
3181.44	-4735.32	11.347	3.55324	-1319.51	-682.072
3182.56	-4732.56	11.3455	3.55342	-1314.37	-689.13
3183.68	-4729.79	11.3439	3.5536	-1309.19	-696.174
3184.79	-4727.02	11.3424	3.55377	-1303.99	-703.203
3185.91	-4724.24	11.3408	3.55393	-1298.77	-710.217
3187.03	-4721.47	11.3392	3.55408	-1293.51	-717.216
3188.14	-4718.69	11.3377	3.55422	-1288.23	-724.2
3189.26	-4715.91	11.3361	3.55436	-1282.92	-731.169
3190.37	-4713.13	11.3345	3.5545	-1277.58	-738.123
3191.48	-4710.35	11.3329	3.55462	-1272.22	-745.06
3192.59	-4707.56	11.3313	3.55474	-1266.83	-751.982
3193.7	-4704.78	11.3297	3.55485	-1261.41	-758.888
3194.81	-4701.99	11.3281	3.55495	-1255.96	-765.777
3195.91	-4699.2	11.3264	3.55504	-1250.49	-772.65
3197.02	-4696.41	11.3248	3.55513	-1244.98	-779.507
3198.12	-4693.62	11.3231	3.55521	-1239.46	-786.346
3199.22	-4690.82	11.3215	3.55528	-1233.9	-793.169
3200.32	-4688.03	11.3198	3.55534	-1228.32	-799.974
3201.42	-4685.23	11.3181	3.55539	-1222.71	-806.762
3202.52	-4682.43	11.3165	3.55544	-1217.07	-813.533
3203.62	-4679.63	11.3148	3.55548	-1211.41	-820.286
3204.72	-4676.82	11.3131	3.55551	-1205.72	-827.021
3205.81	-4674.02	11.3114	3.55553	-1200	-833.737
3206.91	-4671.21	11.3096	3.55554	-1194.26	-840.436
3208	-4668.4	11.3079	3.55555	-1188.49	-847.116
3209.09	-4665.59	11.3062	3.55555	-1182.69	-853.778

3210.18	-4662.78	11.3044	3.55553	-1176.87	-860.42
3211.27	-4659.96	11.3027	3.55551	-1171.02	-867.044
3212.36	-4657.15	11.3009	3.55548	-1165.15	-873.649
3213.44	-4654.33	11.2992	3.55545	-1159.24	-880.234
3214.53	-4651.51	11.2974	3.5554	-1153.32	-886.8
3215.61	-4648.69	11.2956	3.55535	-1147.36	-893.346
3216.7	-4645.86	11.2938	3.55528	-1141.39	-899.872
3217.78	-4643.04	11.292	3.55521	-1135.38	-906.378
3218.86	-4640.21	11.2902	3.55513	-1129.35	-912.864
3219.94	-4637.38	11.2884	3.55503	-1123.29	-919.329
3221.02	-4634.55	11.2866	3.55493	-1117.21	-925.774
3222.09	-4631.72	11.2848	3.55482	-1111.11	-932.198
3223.17	-4628.88	11.2829	3.55471	-1104.98	-938.602
3224.24	-4626.05	11.2811	3.55458	-1098.82	-944.984
3225.31	-4623.21	11.2792	3.55444	-1092.64	-951.345
3226.39	-4620.37	11.2774	3.55429	-1086.43	-957.684
3227.46	-4617.53	11.2755	3.55414	-1080.2	-964.002
3228.53	-4614.68	11.2736	3.55397	-1073.94	-970.299
3229.59	-4611.84	11.2717	3.55379	-1067.66	-976.573
3230.66	-4608.99	11.2698	3.55361	-1061.35	-982.825
3231.72	-4606.14	11.2679	3.55341	-1055.03	-989.055
3232.79	-4603.29	11.266	3.55321	-1048.67	-995.263
3233.85	-4600.44	11.2641	3.55299	-1042.29	-1001.45
3234.91	-4597.58	11.2622	3.55277	-1035.89	-1007.61
3235.97	-4594.73	11.2603	3.55253	-1029.47	-1013.75
3237.03	-4591.87	11.2584	3.55229	-1023.02	-1019.87
3238.09	-4589.01	11.2564	3.55203	-1016.54	-1025.96
3239.15	-4586.15	11.2545	3.55177	-1010.05	-1032.03
3240.2	-4583.29	11.2525	3.55149	-1003.53	-1038.08
3241.25	-4580.42	11.2505	3.55121	-996.984	-1044.1
3242.31	-4577.55	11.2486	3.55091	-990.418	-1050.1
3243.36	-4574.68	11.2466	3.5506	-983.829	-1056.07
3244.41	-4571.81	11.2446	3.55029	-977.217	-1062.02
3245.46	-4568.94	11.2426	3.54996	-970.583	-1067.95
3246.5	-4566.07	11.2406	3.54962	-963.926	-1073.85
3247.55	-4563.19	11.2386	3.54927	-957.247	-1079.73
3248.6	-4560.31	11.2366	3.54891	-950.546	-1085.58
3249.64	-4557.43	11.2346	3.54854	-943.823	-1091.41
3250.68	-4554.55	11.2326	3.54816	-937.078	-1097.22
3251.72	-4551.67	11.2306	3.54777	-930.311	-1103
3252.76	-4548.78	11.2285	3.54737	-923.522	-1108.75
3253.8	-4545.9	11.2265	3.54696	-916.713	-1114.48
3254.84	-4543.01	11.2244	3.54653	-909.882	-1120.18
3255.87	-4540.12	11.2224	3.5461	-903.029	-1125.86
3256.91	-4537.22	11.2203	3.54565	-896.156	-1131.51
3257.94	-4534.33	11.2182	3.5452	-889.262	-1137.13
3258.97	-4531.43	11.2162	3.54473	-882.348	-1142.73
3260	-4528.53	11.2141	3.54425	-875.413	-1148.31
3261.03	-4525.63	11.212	3.54376	-868.458	-1153.85
3262.06	-4522.73	11.2099	3.54326	-861.482	-1159.38
3263.09	-4519.83	11.2078	3.54275	-854.487	-1164.87
3264.11	-4516.92	11.2057	3.54222	-847.472	-1170.34
3265.13	-4514.02	11.2036	3.54169	-840.437	-1175.78
3266.16	-4511.11	11.2015	3.54114	-833.383	-1181.19
3267.18	-4508.2	11.1994	3.54058	-826.309	-1186.58
3268.2	-4505.28	11.1973	3.54001	-819.217	-1191.94
3269.22	-4502.37	11.1951	3.53943	-812.105	-1197.28

3270.23	-4499.45		11.193	3.53884	-804.975	-1202.58
3271.25	-4496.53		11.1908	3.53823	-797.826	-1207.86
3272.26	-4493.61		11.1887	3.53762	-790.659	-1213.11
3273.28	-4490.69		11.1866	3.53699	-783.473	-1218.34
3274.29	-4487.77		11.1844	3.53635	-776.27	-1223.53
3275.3	-4484.84		11.1822	3.5357	-769.048	-1228.7
3276.31	-4481.91		11.1801	3.53504	-761.809	-1233.84
3277.32	-4478.99		11.1779	3.53436	-754.552	-1238.96
3278.32	-4476.05		11.1757	3.53368	-747.278	-1244.04
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3280.33	-4470.19		11.1714	3.53227	-732.679	-1254.13
3281.34	-4467.25		11.1692	3.53155	-725.354	-1259.13
3282.34	-4464.31		11.167	3.53081	-718.013	-1264.11
3283.34	-4461.37		11.1648	3.53007	-710.655	-1269.05
3284.34	-4458.43		11.1626	3.52931	-703.281	-1273.97
3285.33	-4455.48		11.1604	3.52854	-695.891	-1278.85
3286.33	-4452.54		11.1581	3.52776	-688.484	-1283.71
3287.32	-4449.59		11.1559	3.52696	-681.063	-1288.54
3288.32	-4446.64		11.1537	3.52616	-673.625	-1293.35
3289.31	-4443.69		11.1515	3.52534	-666.173	-1298.12
3290.3	-4440.74		11.1493	3.52451	-658.705	-1302.86
3291.29	-4437.78		11.147	3.52367	-651.223	-1307.58
3292.28	-4434.82		11.1448	3.52281	-643.726	-1312.27
3293.26	-4431.87		11.1425	3.52195	-636.214	-1316.92
3294.25	-4428.9	11.1403	3.52107	-628.688		-1321.55
3295.23	-4425.94		11.1381	3.52018	-621.147	-1326.15
3296.21	-4422.98		11.1358	3.51927	-613.593	-1330.72
3297.19	-4420.01		11.1335	3.51836	-606.025	-1335.26
3298.17	-4417.04		11.1313	3.51743	-598.443	-1339.78
3299.15	-4414.07		11.129	3.51649	-590.848	-1344.26
3300.13	-4411.1	11.1268	3.51554	-583.24	-1348.71	
3301.1	-4408.13		11.1245	3.51457	-575.619	-1353.14
3302.08	-4405.15		11.1222	3.51359	-567.985	-1357.53
3303.05	-4402.18		11.1199	3.5126	-560.338	-1361.9
3304.02	-4399.2	11.1177	3.5116	-552.679		-1366.23
3304.99	-4396.22		11.1154	3.51059	-545.008	-1370.54
3305.96	-4393.23		11.1131	3.50956	-537.325	-1374.81
3306.93	-4390.25		11.1108	3.50852	-529.629	-1379.06
3307.89	-4387.26		11.1085	3.50747	-521.922	-1383.28
3308.85	-4384.27		11.1062	3.5064	-514.204	-1387.47
3309.82	-4381.28		11.1039	3.50533	-506.474	-1391.63
3310.78	-4378.29		11.1016	3.50424	-498.734	-1395.75
3311.74	-4375.3	11.0993	3.50314	-490.982		-1399.85
3312.7	-4372.3	11.097	3.50202	-483.22	-1403.92	
3313.65	-4369.3	11.0947	3.5009	-475.447		-1407.96
3314.61	-4366.3	11.0924	3.49976	-467.663		-1411.97
3315.56	-4363.3	11.0901	3.49861	-459.87	-1415.95	
3316.52	-4360.3	11.0878	3.49744	-452.067		-1419.9
3317.47	-4357.29		11.0855	3.49627	-444.254	-1423.83
3318.42	-4354.29		11.0832	3.49508	-436.431	-1427.72
3319.37	-4351.28		11.0809	3.49388	-428.599	-1431.58
3320.32	-4348.27		11.0785	3.49266	-420.758	-1435.41
3321.26	-4345.25		11.0762	3.49144	-412.908	-1439.21
3322.21	-4342.24		11.0739	3.4902	-405.048	-1442.99
3323.15	-4339.22		11.0716	3.48895	-397.181	-1446.73
3324.09	-4336.2	11.0692	3.48768	-389.305		-1450.44
3325.03	-4333.18		11.0669	3.48641	-381.42	-1454.12

3325.97	-4330.16		11.0646	3.48512	-373.528	-1457.78
3326.91	-4327.14		11.0623	3.48382	-365.627	-1461.4
3327.84	-4324.11		11.0599	3.48251	-357.719	-1465
3328.78	-4321.08		11.0576	3.48118	-349.803	-1468.56
3329.71	-4318.06		11.0553	3.47984	-341.88	-1472.1
3330.64	-4315.02		11.0529	3.47849	-333.95	-1475.6
3331.57	-4311.99		11.0506	3.47713	-326.013	-1479.08
3332.5	-4308.96		11.0483	3.47575	-318.069	-1482.53
3333.43	-4305.92		11.0459	3.47436	-310.118	-1485.94
3334.35	-4302.88		11.0436	3.47296	-302.161	-1489.33
3335.28	-4299.84		11.0412	3.47155	-294.198	-1492.69
3336.2	-4296.8	11.0389	3.47012	-286.229		-1496.02
3337.12	-4293.75		11.0366	3.46869	-278.253	-1499.32
3338.04	-4290.71		11.0342	3.46724	-270.272	-1502.59
3338.96	-4287.66		11.0319	3.46578	-262.286	-1505.83
3339.88	-4284.61		11.0295	3.4643	-254.294	-1509.04
3340.8	-4281.56		11.0272	3.46281	-246.296	-1512.22
3341.71	-4278.5	11.0248	3.46131	-238.294		-1515.37
3342.62	-4275.45		11.0225	3.4598	-230.287	-1518.5
3343.53	-4272.39		11.0202	3.45828	-222.275	-1521.59
3344.44	-4269.33		11.0178	3.45674	-214.259	-1524.66
3345.35	-4266.27		11.0155	3.45519	-206.238	-1527.69
3346.26	-4263.2	11.0131	3.45363	-198.213		-1530.7
3347.16	-4260.14		11.0108	3.45206	-190.184	-1533.68
3348.07	-4257.07		11.0084	3.45048	-182.151	-1536.63
3348.97	-4254	11.0061	3.44888	-174.115		-1539.55
3349.87	-4250.93		11.0037	3.44727	-166.074	-1542.44
3350.77	-4247.86		11.0014	3.44565	-158.031	-1545.3
3351.67	-4244.79		10.9991	3.44401	-149.984	-1548.14
3352.57	-4241.71		10.9967	3.44237	-141.935	-1550.94
3353.46	-4238.63		10.9944	3.44071	-133.882	-1553.72
3354.36	-4235.55		10.992	3.43904	-125.827	-1556.47
3355.25	-4232.47		10.9897	3.43736	-117.769	-1559.19
3356.14	-4229.38		10.9873	3.43567	-109.708	-1561.88
3357.03	-4226.3	10.985	3.43396	-101.646		-1564.55
3357.91	-4223.21		10.9827	3.43224	-93.5809	-1567.18
3358.8	-4220.12		10.9803	3.43051	-85.5142	-1569.79
3359.69	-4217.03		10.978	3.42877	-77.4457	-1572.37
3360.57	-4213.94		10.9757	3.42702	-69.3756	-1574.92
3361.45	-4210.84		10.9733	3.42525	-61.304	-1577.44
3362.33	-4207.74		10.971	3.42347	-53.231	-1579.94
3363.21	-4204.65		10.9686	3.42168	-45.1568	-1582.4
3364.09	-4201.54		10.9663	3.41988	-37.0815	-1584.84
3364.96	-4198.44		10.964	3.41807	-29.0053	-1587.25
3365.84	-4195.34		10.9617	3.41624	-20.9284	-1589.64
3366.71	-4192.23		10.9593	3.41441	-12.8508	-1591.99
3367.58	-4189.12		10.957	3.41256	-4.77275	-1594.32
3368.45	-4186.01		10.9547	3.4107	3.30565	-1596.62
3369.32	-4182.9	10.9523	3.40883	11.3843	-1598.9	
3370.18	-4179.78		10.95	3.40694	19.4629	-1601.14
3371.05	-4176.67		10.9477	3.40505	27.5415	-1603.36
3371.91	-4173.55		10.9454	3.40314	35.6199	-1605.55
3372.78	-4170.43		10.9431	3.40122	43.6979	-1607.72
3373.64	-4167.31		10.9407	3.39929	51.7755	-1609.86
3374.49	-4164.19		10.9384	3.39735	59.8525	-1611.97
3375.35	-4161.06		10.9361	3.3954	67.9287	-1614.05
3376.21	-4157.93		10.9338	3.39344	76.004	-1616.11

3377.06	-4154.8	10.9315	3.39146	84.0783	-1618.14
3377.91	-4151.67		10.9292	3.38947	92.1515 -1620.14
3378.77	-4148.54		10.9269	3.38748	100.223 -1622.12
3379.62	-4145.4	10.9246	3.38547	108.294	-1624.07
3380.46	-4142.27		10.9223	3.38344	116.363 -1626
3381.31	-4139.13		10.92	3.38141	124.431 -1627.9
3382.16	-4135.99		10.9177	3.37937	132.496 -1629.77
3383	-4132.84		10.9154	3.37731	140.56 -1631.62
3383.84	-4129.7	10.9131	3.37525	148.622	-1633.44
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3386.36	-4120.25		10.9062	3.36898	172.794 -1638.74
3387.19	-4117.1	10.9039	3.36687	180.847	-1640.46
3388.03	-4113.95		10.9017	3.36475	188.897 -1642.15
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3393	-4094.98		10.888	3.35179	237.137 -1651.77
3393.82	-4091.81		10.8858	3.3496	245.166 -1653.29
3394.64	-4088.65		10.8835	3.34739	253.191 -1654.78
3395.46	-4085.47		10.8813	3.34517	261.213 -1656.25
3396.28	-4082.3	10.879	3.34294	269.232	-1657.69
3397.1	-4079.13		10.8768	3.3407	277.246 -1659.11
3397.91	-4075.95		10.8745	3.33845	285.257 -1660.5
3398.73	-4072.77		10.8723	3.33619	293.264 -1661.87
3399.54	-4069.59		10.87	3.33391	301.266 -1663.21
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3401.16	-4063.22		10.8655	3.32934	317.259 -1665.83
3401.97	-4060.03		10.8633	3.32703	325.249 -1667.1
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3403.58	-4053.66		10.8589	3.32239	341.216 -1669.57
3404.38	-4050.46		10.8566	3.32006	349.192 -1670.77
3405.18	-4047.27		10.8544	3.31771	357.164 -1671.95
3405.98	-4044.07		10.8522	3.31536	365.131 -1673.1
3406.78	-4040.87		10.85	3.31299	373.093 -1674.23
3407.57	-4037.67		10.8478	3.31062	381.05 -1675.34
3408.37	-4034.47		10.8456	3.30823	389.002 -1676.42
3409.16	-4031.27		10.8434	3.30583	396.949 -1677.48
3409.95	-4028.06		10.8412	3.30343	404.89 -1678.52
3410.74	-4024.85		10.839	3.30101	412.827 -1679.54
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3412.32	-4018.43		10.8346	3.29615	428.683 -1681.5
3413.1	-4015.22		10.8324	3.2937	436.603 -1682.45
3413.88	-4012	10.8302	3.29124	444.517	-1683.37
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3415.44	-4005.57		10.8259	3.2863	460.329 -1685.15
3416.22	-4002.34		10.8237	3.28381	468.225 -1686.01
3417	-3999.12		10.8215	3.28132	476.117 -1686.84
3417.77	-3995.9	10.8194	3.27881	484.002	-1687.66
3418.55	-3992.67		10.8172	3.27629	491.88 -1688.45
3419.32	-3989.44		10.8151	3.27377	499.753 -1689.22
3420.09	-3986.21		10.8129	3.27123	507.62 -1689.97
3420.86	-3982.98		10.8108	3.26869	515.48 -1690.69
3421.62	-3979.74		10.8086	3.26613	523.334 -1691.4
3422.39	-3976.5	10.8065	3.26357	531.181	-1692.08

3423.15	-3973.27	10.8044	3.26099	539.022	-1692.74
3423.91	-3970.03	10.8022	3.25841	546.857	-1693.38
3424.67	-3966.78	10.8001	3.25582	554.685	-1694
3425.43	-3963.54	10.798	3.25322	562.506	-1694.6
3426.19	-3960.29	10.7959	3.2506	570.32	-1695.18
3426.94	-3957.04	10.7937	3.24798	578.128	-1695.74
3427.7	-3953.79	10.7916	3.24535	585.928	-1696.27
3428.45	-3950.54	10.7895	3.24271	593.722	-1696.79
3429.2	-3947.29	10.7874	3.24007	601.509	-1697.28
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3430.69	-3940.77	10.7832	3.23474	617.061	-1698.21
3431.44	-3937.51	10.7811	3.23206	624.826	-1698.64
3432.18	-3934.25	10.7791	3.22938	632.585	-1699.06
3432.92	-3930.99	10.777	3.22668	640.336	-1699.45
3433.66	-3927.72	10.7749	3.22398	648.079	-1699.83
3434.4	-3924.45	10.7728	3.22127	655.815	-1700.18
3435.14	-3921.18	10.7708	3.21854	663.544	-1700.51
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3436.6	-3914.64	10.7666	3.21307	678.979	-1701.12
3437.33	-3911.36	10.7646	3.21032	686.685	-1701.4
3438.06	-3908.08	10.7625	3.20757	694.384	-1701.65
3438.79	-3904.8	10.7605	3.2048	702.074	-1701.89
3439.52	-3901.52	10.7584	3.20202	709.757	-1702.11
3440.24	-3898.24	10.7564	3.19924	717.433	-1702.31
3440.96	-3894.95	10.7544	3.19645	725.1	-1702.48
3441.69	-3891.67	10.7523	3.19365	732.76	-1702.64
3442.4	-3888.38	10.7503	3.19084	740.411	-1702.79
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3443.84	-3881.79	10.7463	3.18519	755.69	-1703.01
3444.55	-3878.5	10.7443	3.18235	763.318	-1703.1
3445.26	-3875.2	10.7423	3.17951	770.937	-1703.17
3445.98	-3871.9	10.7403	3.17666	778.549	-1703.21
3446.68	-3868.6	10.7383	3.17379	786.152	-1703.24
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3448.1	-3861.99	10.7343	3.16805	801.333	-1703.25
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3452.29	-3842.12	10.7225	3.1506	846.678	-1702.84
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3455.74	-3825.51	10.7128	3.13584	884.231	-1702.02
3456.43	-3822.18	10.7108	3.13286	891.716	-1701.8
3457.11	-3818.85	10.7089	3.12988	899.192	-1701.57
3457.79	-3815.52	10.707	3.12688	906.659	-1701.32
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3461.17	-3798.83	10.6975	3.1118	943.864	-1699.82
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3462.51	-3792.14	10.6937	3.10571	958.684	-1699.11
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3467.14	-3768.66	10.6806	3.08416	1010.27	-1696.11
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3472.32	-3741.71	10.666	3.05908	1068.68	-1691.74
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3474.87	-3728.19	10.6588	3.04636	1097.66	-1689.2
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3477.38	-3714.63	10.6517	3.03353	1126.49	-1686.42
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3479.25	-3704.45	10.6465	3.02383	1148.02	-1684.19
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3480.49	-3697.65	10.643	3.01733	1162.32	-1682.63
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3486.56	-3663.52	10.6259	2.98442	1233.27	-1674.02
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3490.7	-3639.52	10.6142	2.96098	1282.36	-1667.2
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3504.17	-3556.47		10.5762	2.87824	1447.1	-1639.25
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3509.97	-3518.02		10.5598	2.83914	1520.75	-1624.25
3510.48	-3514.51		10.5583	2.83556	1527.38	-1622.83
3511	-3511	10.5569	2.83196	1534.01	-1621.39	
3511.51	-3507.49		10.5554	2.82836	1540.63	-1619.94
3512.02	-3503.98		10.554	2.82476	1547.24	-1618.48
3512.52	-3500.46		10.5526	2.82114	1553.83	-1617.01
3513.03	-3496.94		10.5511	2.81753	1560.42	-1615.53
3513.53	-3493.42		10.5497	2.8139	1567	-1614.05
3514.03	-3489.9	10.5483	2.81028	1573.57	-1612.55	
3514.53	-3486.38		10.5469	2.80664	1580.13	-1611.04
3515.03	-3482.85		10.5455	2.803	1586.68	-1609.52
3515.52	-3479.33		10.5441	2.79936	1593.22	-1607.99
3516.02	-3475.8	10.5427	2.79571	1599.75	-1606.45	
3516.51	-3472.26		10.5413	2.79205	1606.27	-1604.91
3516.99	-3468.73		10.5399	2.78839	1612.79	-1603.35
3517.48	-3465.19		10.5385	2.78472	1619.29	-1601.78
3517.97	-3461.66		10.5371	2.78105	1625.78	-1600.2
3518.45	-3458.12		10.5358	2.77737	1632.26	-1598.62
3518.93	-3454.57		10.5344	2.77369	1638.74	-1597.02
3519.41	-3451.03		10.533	2.77	1645.2	-1595.42
3519.88	-3447.49		10.5317	2.76631	1651.66	-1593.8
3520.36	-3443.94		10.5303	2.76261	1658.1	-1592.18
3520.83	-3440.39		10.529	2.7589	1664.53	-1590.54
3521.3	-3436.84		10.5277	2.75519	1670.96	-1588.9
3521.77	-3433.28		10.5263	2.75148	1677.38	-1587.25
3522.24	-3429.73		10.525	2.74776	1683.78	-1585.59
3522.7	-3426.17		10.5237	2.74403	1690.18	-1583.92
3523.16	-3422.61		10.5224	2.7403	1696.57	-1582.24
3523.62	-3419.04		10.5211	2.73656	1702.94	-1580.55
3524.08	-3415.48		10.5198	2.73282	1709.31	-1578.85
3524.53	-3411.91		10.5185	2.72907	1715.67	-1577.15
3524.99	-3408.35		10.5172	2.72532	1722.02	-1575.43
3525.44	-3404.78		10.5159	2.72156	1728.36	-1573.71
3525.89	-3401.2	10.5146	2.7178	1734.69	-1571.98	
3526.34	-3397.63		10.5133	2.71403	1741.01	-1570.24
3526.78	-3394.05		10.512	2.71026	1747.32	-1568.49

3527.22	-3390.47		10.5108	2.70648	1753.63	-1566.73
3527.67	-3386.89		10.5095	2.7027	1759.92	-1564.96
3528.1	-3383.31		10.5083	2.69891	1766.2	-1563.19
3528.54	-3379.73		10.507	2.69512	1772.47	-1561.41
3528.98	-3376.14		10.5058	2.69132	1778.74	-1559.61
3529.41	-3372.55		10.5045	2.68752	1784.99	-1557.81
3529.84	-3368.96		10.5033	2.68371	1791.24	-1556
3530.27	-3365.37		10.5021	2.6799	1797.47	-1554.19
3530.69	-3361.77		10.5009	2.67608	1803.7	-1552.36
3531.12	-3358.18		10.4996	2.67226	1809.92	-1550.53
3531.54	-3354.58		10.4984	2.66843	1816.13	-1548.69
3531.96	-3350.98		10.4972	2.6646	1822.32	-1546.84
3532.38	-3347.37		10.496	2.66076	1828.51	-1544.98
3532.79	-3343.77		10.4948	2.65692	1834.69	-1543.12
3533.21	-3340.16		10.4936	2.65307	1840.86	-1541.24
3533.62	-3336.55		10.4925	2.64922	1847.02	-1539.36
3534.03	-3332.94		10.4913	2.64536	1853.18	-1537.47
3534.43	-3329.33		10.4901	2.6415	1859.32	-1535.58
3534.84	-3325.71		10.4889	2.63763	1865.45	-1533.67
3535.24	-3322.1	10.4878	2.63376	1871.58	-1531.76	
3535.64	-3318.48		10.4866	2.62988	1877.69	-1529.84
3536.04	-3314.85		10.4855	2.626	1883.8	-1527.91
3536.43	-3311.23		10.4843	2.62211	1889.89	-1525.98
3536.83	-3307.61		10.4832	2.61822	1895.98	-1524.04
3537.22	-3303.98		10.4821	2.61433	1902.06	-1522.09
3537.61	-3300.35		10.4809	2.61043	1908.12	-1520.13
3538	-3296.72		10.4798	2.60652	1914.18	-1518.16
3538.38	-3293.08		10.4787	2.60261	1920.23	-1516.19
3538.76	-3289.45		10.4776	2.5987	1926.27	-1514.21
3539.14	-3285.81		10.4765	2.59478	1932.31	-1512.22
3539.52	-3282.17		10.4754	2.59086	1938.33	-1510.23
3539.9	-3278.53		10.4743	2.58693	1944.34	-1508.23
3540.27	-3274.88		10.4732	2.583	1950.35	-1506.22
3540.64	-3271.24		10.4721	2.57906	1956.34	-1504.2
3541.01	-3267.59		10.471	2.57512	1962.33	-1502.18
3541.38	-3263.94		10.47	2.57117	1968.3	-1500.15
3541.75	-3260.29		10.4689	2.56722	1974.27	-1498.12
3542.11	-3256.63		10.4678	2.56326	1980.23	-1496.07
3542.47	-3252.98		10.4668	2.5593	1986.18	-1494.02
3542.83	-3249.32		10.4657	2.55534	1992.12	-1491.96
3543.18	-3245.66		10.4647	2.55137	1998.05	-1489.9
3543.54	-3242	10.4636	2.5474	2003.97	-1487.83	
3543.89	-3238.33		10.4626	2.54342	2009.88	-1485.75
3544.24	-3234.66		10.4616	2.53944	2015.79	-1483.67
3544.59	-3231	10.4605	2.53545	2021.68	-1481.57	
3544.93	-3227.33		10.4595	2.53146	2027.57	-1479.48
3545.27	-3223.65		10.4585	2.52746	2033.45	-1477.37
3545.62	-3219.98		10.4575	2.52346	2039.31	-1475.26
3545.95	-3216.3	10.4565	2.51946	2045.17	-1473.14	
3546.29	-3212.62		10.4555	2.51545	2051.02	-1471.02
3546.62	-3208.94		10.4545	2.51143	2056.86	-1468.89
3546.95	-3205.26		10.4535	2.50742	2062.7	-1466.75
3547.28	-3201.57		10.4525	2.50339	2068.52	-1464.61
3547.61	-3197.88		10.4516	2.49937	2074.33	-1462.46
3547.93	-3194.2	10.4506	2.49534	2080.14	-1460.3	
3548.26	-3190.5	10.4496	2.4913	2085.94	-1458.14	
3548.58	-3186.81		10.4487	2.48726	2091.72	-1455.97

3548.89	-3183.12		10.4477	2.48322	2097.5	-1453.79
3549.21	-3179.42		10.4468	2.47917	2103.27	-1451.61
3549.52	-3175.72		10.4458	2.47512	2109.03	-1449.42
3549.83	-3172.02		10.4449	2.47106	2114.79	-1447.23
3550.14	-3168.31		10.444	2.467	2120.53	-1445.03
3550.45	-3164.61		10.443	2.46293	2126.26	-1442.82
3550.75	-3160.9	10.4421	2.45887	2131.99	-1440.61	
3551.05	-3157.19		10.4412	2.45479	2137.71	-1438.39
3551.35	-3153.48		10.4403	2.45071	2143.41	-1436.17
3551.65	-3149.76		10.4394	2.44663	2149.11	-1433.94
3551.95	-3146.05		10.4385	2.44255	2154.8	-1431.71
3552.24	-3142.33		10.4376	2.43846	2160.49	-1429.46
3552.53	-3138.61		10.4367	2.43436	2166.16	-1427.22
3552.81	-3134.89		10.4358	2.43026	2171.82	-1424.96
3553.1	-3131.16		10.435	2.42616	2177.48	-1422.7
3553.38	-3127.43		10.4341	2.42205	2183.13	-1420.44
3553.66	-3123.71		10.4332	2.41794	2188.77	-1418.17
3553.94	-3119.97		10.4324	2.41383	2194.39	-1415.89
3554.22	-3116.24		10.4315	2.40971	2200.02	-1413.61
3554.49	-3112.51		10.4307	2.40559	2205.63	-1411.33
3554.76	-3108.77		10.4298	2.40146	2211.23	-1409.03
3555.03	-3105.03		10.429	2.39733	2216.83	-1406.73
3555.3	-3101.29		10.4281	2.39319	2222.41	-1404.43
3555.56	-3097.55		10.4273	2.38905	2227.99	-1402.12
3555.82	-3093.8	10.4265	2.38491	2233.56	-1399.81	
3556.08	-3090.05		10.4257	2.38076	2239.12	-1397.49
3556.34	-3086.3	10.4249	2.37661	2244.67	-1395.16	
3556.59	-3082.55		10.4241	2.37245	2250.22	-1392.83
3556.84	-3078.8	10.4233	2.36829	2255.75	-1390.5	
3557.09	-3075.04		10.4225	2.36413	2261.28	-1388.15
3557.34	-3071.28		10.4217	2.35996	2266.8	-1385.81
3557.59	-3067.52		10.4209	2.35579	2272.31	-1383.46
3557.83	-3063.76		10.4201	2.35162	2277.81	-1381.1
3558.07	-3060	10.4193	2.34744	2283.3	-1378.74	
3558.31	-3056.23		10.4186	2.34326	2288.79	-1376.37
3558.54	-3052.46		10.4178	2.33907	2294.26	-1374
3558.77	-3048.69		10.4171	2.33488	2299.73	-1371.62
3559.01	-3044.92		10.4163	2.33068	2305.19	-1369.24
3559.23	-3041.15		10.4156	2.32648	2310.64	-1366.85
3559.46	-3037.37		10.4148	2.32228	2316.08	-1364.46
3559.68	-3033.59		10.4141	2.31807	2321.51	-1362.06
3559.9	-3029.81		10.4134	2.31386	2326.94	-1359.66
3560.12	-3026.03		10.4126	2.30965	2332.36	-1357.25
3560.34	-3022.24		10.4119	2.30543	2337.77	-1354.84
3560.55	-3018.46		10.4112	2.30121	2343.17	-1352.42
3560.76	-3014.67		10.4105	2.29699	2348.56	-1350
3560.97	-3010.88		10.4098	2.29276	2353.94	-1347.57
3561.18	-3007.08		10.4091	2.28852	2359.32	-1345.14
3561.38	-3003.29		10.4084	2.28429	2364.68	-1342.7
3561.58	-2999.49		10.4077	2.28005	2370.04	-1340.26
3561.78	-2995.69		10.407	2.2758	2375.39	-1337.82
3561.97	-2991.89		10.4064	2.27155	2380.74	-1335.37
3562.17	-2988.08		10.4057	2.2673	2386.07	-1332.91
3562.36	-2984.28		10.405	2.26304	2391.4	-1330.45
3562.55	-2980.47		10.4044	2.25878	2396.72	-1327.99
3562.73	-2976.66		10.4037	2.25452	2402.02	-1325.52
3562.92	-2972.85		10.4031	2.25025	2407.33	-1323.04

3563.1	-2969.03		10.4024	2.24598	2412.62	-1320.57
3563.28	-2965.22		10.4018	2.24171	2417.91	-1318.08
3563.45	-2961.4	10.4011	2.23743	2423.18	-1315.6	
3563.63	-2957.58		10.4005	2.23315	2428.45	-1313.11
3563.8	-2953.76		10.3999	2.22886	2433.71	-1310.61
3563.97	-2949.93		10.3993	2.22457	2438.96	-1308.11
3564.13	-2946.1	10.3987	2.22028	2444.21	-1305.61	
3564.29	-2942.27		10.3981	2.21599	2449.45	-1303.1
3564.46	-2938.44		10.3975	2.21169	2454.67	-1300.58
3564.61	-2934.61		10.3969	2.20738	2459.89	-1298.07
3564.77	-2930.77		10.3963	2.20307	2465.11	-1295.54
3564.92	-2926.94		10.3957	2.19876	2470.31	-1293.02
3565.07	-2923.1	10.3951	2.19445	2475.51	-1290.49	
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3565.37	-2915.41		10.394	2.18581	2485.88	-1285.42
3565.51	-2911.57		10.3934	2.18148	2491.05	-1282.87
3565.65	-2907.72		10.3929	2.17715	2496.21	-1280.33
3565.79	-2903.87		10.3923	2.17282	2501.37	-1277.78
3565.92	-2900.02		10.3918	2.16849	2506.52	-1275.22
3566.06	-2896.16		10.3912	2.16415	2511.66	-1272.66
3566.19	-2892.31		10.3907	2.1598	2516.79	-1270.1
3566.32	-2888.45		10.3902	2.15546	2521.92	-1267.53
3566.44	-2884.59		10.3896	2.15111	2527.03	-1264.96
3566.56	-2880.72		10.3891	2.14675	2532.14	-1262.39
3566.68	-2876.86		10.3886	2.1424	2537.24	-1259.81
3566.8	-2872.99		10.3881	2.13803	2542.34	-1257.22
3566.91	-2869.12		10.3876	2.13367	2547.42	-1254.64
3567.03	-2865.25		10.3871	2.1293	2552.5	-1252.05
3567.14	-2861.38		10.3866	2.12493	2557.57	-1249.45
3567.24	-2857.5	10.3861	2.12056	2562.63	-1246.85	
3567.35	-2853.63		10.3856	2.11618	2567.69	-1244.25
3567.45	-2849.75		10.3852	2.1118	2572.73	-1241.65
3567.55	-2845.86		10.3847	2.10741	2577.77	-1239.04
3567.64	-2841.98		10.3842	2.10302	2582.8	-1236.42
3567.74	-2838.1	10.3838	2.09863	2587.83	-1233.81	
3567.83	-2834.21		10.3833	2.09424	2592.84	-1231.19
3567.92	-2830.32		10.3829	2.08984	2597.85	-1228.56
3568	-2826.42		10.3824	2.08543	2602.85	-1225.93
3568.09	-2822.53		10.382	2.08103	2607.84	-1223.3
3568.17	-2818.63		10.3816	2.07662	2612.83	-1220.67
3568.24	-2814.74		10.3811	2.07221	2617.81	-1218.03
3568.32	-2810.83		10.3807	2.06779	2622.78	-1215.38
3568.39	-2806.93		10.3803	2.06337	2627.74	-1212.74
3568.46	-2803.03		10.3799	2.05895	2632.69	-1210.09
3568.53	-2799.12		10.3795	2.05452	2637.64	-1207.44
3568.59	-2795.21		10.3791	2.05009	2642.58	-1204.78
3568.65	-2791.3	10.3787	2.04566	2647.51	-1202.12	
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3568.77	-2783.47		10.3779	2.03679	2657.35	-1196.79
3568.82	-2779.55		10.3775	2.03234	2662.26	-1194.12
3568.87	-2775.63		10.3772	2.0279	2667.16	-1191.45
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3568.97	-2767.79		10.3764	2.01899	2676.94	-1186.09
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3569.05	-2759.93		10.3757	2.01008	2686.69	-1180.72
3569.09	-2756	10.3754	2.00562	2691.55	-1178.03	
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3569.15	-2748.14		10.3747	1.99668	2701.26	-1172.64
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3569.23	-2736.32		10.3737	1.98325	2715.76	-1164.53
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3569.3	-2720.53		10.3725	1.96531	2734.99	-1153.67
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3569.32	-2712.63		10.3719	1.95631	2744.57	-1148.22
3569.32	-2708.67		10.3716	1.95181	2749.34	-1145.49
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3569.32	-2700.75		10.3711	1.9428	2758.87	-1140.03
3569.32	-2696.79		10.3708	1.93828	2763.62	-1137.29
3569.31	-2692.83		10.3706	1.93377	2768.37	-1134.55
3569.3	-2688.86		10.3703	1.92925	2773.11	-1131.8
3569.29	-2684.89		10.3701	1.92473	2777.84	-1129.06
3569.27	-2680.92		10.3698	1.92021	2782.56	-1126.31
3569.25	-2676.95		10.3696	1.91568	2787.28	-1123.55
3569.23	-2672.97		10.3694	1.91115	2791.99	-1120.8
3569.21	-2669	10.3691	1.90662	2796.69	-1118.04	
3569.18	-2665.02		10.3689	1.90208	2801.39	-1115.28
3569.15	-2661.04		10.3687	1.89754	2806.07	-1112.52
3569.12	-2657.05		10.3685	1.893	2810.76	-1109.75
3569.09	-2653.07		10.3683	1.88845	2815.43	-1106.98
3569.05	-2649.08		10.3681	1.8839	2820.1	-1104.21
3569.01	-2645.09		10.3679	1.87935	2824.75	-1101.43
3568.96	-2641.1	10.3677	1.87479	2829.41	-1098.65	
3568.92	-2637.1	10.3675	1.87023	2834.05	-1095.87	
3568.87	-2633.11		10.3673	1.86567	2838.69	-1093.09
3568.82	-2629.11		10.3672	1.86111	2843.32	-1090.3
3568.76	-2625.11		10.367	1.85654	2847.95	-1087.51
3568.7	-2621.1	10.3668	1.85197	2852.56	-1084.72	
3568.64	-2617.1	10.3667	1.84739	2857.17	-1081.93	
3568.58	-2613.09		10.3665	1.84282	2861.77	-1079.13
3568.51	-2609.08		10.3664	1.83823	2866.37	-1076.33
3568.44	-2605.07		10.3662	1.83365	2870.96	-1073.53
3568.37	-2601.06		10.3661	1.82906	2875.54	-1070.72
3568.29	-2597.04		10.366	1.82447	2880.12	-1067.92
3568.22	-2593.03		10.3659	1.81988	2884.68	-1065.11
3568.13	-2589.01		10.3657	1.81529	2889.24	-1062.29
3568.05	-2584.98		10.3656	1.81069	2893.8	-1059.48
3567.96	-2580.96		10.3655	1.80609	2898.34	-1056.66
3567.87	-2576.93		10.3654	1.80148	2902.88	-1053.84
3567.78	-2572.91		10.3653	1.79687	2907.42	-1051.02
3567.68	-2568.87		10.3652	1.79226	2911.94	-1048.19
3567.58	-2564.84		10.3651	1.78765	2916.46	-1045.36
3567.48	-2560.81		10.3651	1.78303	2920.97	-1042.53
3567.38	-2556.77		10.365	1.77841	2925.48	-1039.7
3567.27	-2552.73		10.3649	1.77379	2929.98	-1036.86
3567.16	-2548.69		10.3648	1.76916	2934.47	-1034.03
3567.05	-2544.65		10.3648	1.76453	2938.95	-1031.19
3566.93	-2540.6	10.3647	1.7599	2943.43	-1028.34	
3566.81	-2536.55		10.3647	1.75526	2947.9	-1025.5
3566.69	-2532.5	10.3646	1.75063	2952.37	-1022.65	
3566.56	-2528.45		10.3646	1.74599	2956.82	-1019.8
3566.43	-2524.4	10.3646	1.74134	2961.28	-1016.95	

3566.3	-2520.34	10.3645	1.73669	2965.72	-1014.09
3566.17	-2516.28	10.3645	1.73204	2970.16	-1011.24
3566.03	-2512.22	10.3645	1.72739	2974.59	-1008.38
3565.89	-2508.16	10.3645	1.72274	2979.01	-1005.52
3565.75	-2504.1	10.3645	1.71808	2983.43	-1002.65
3565.6	-2500.03	10.3645	1.71342	2987.84	-999.789
3565.45	-2495.96	10.3645	1.70875	2992.24	-996.921
3565.3	-2491.89	10.3645	1.70408	2996.64	-994.05
3565.14	-2487.82	10.3645	1.69941	3001.03	-991.178
3564.98	-2483.74	10.3645	1.69474	3005.41	-988.303
3564.82	-2479.66	10.3646	1.69006	3009.79	-985.427
3564.65	-2475.58	10.3646	1.68538	3014.16	-982.548
3564.49	-2471.5	10.3646	1.6807	3018.52	-979.666
3564.32	-2467.42	10.3647	1.67602	3022.88	-976.783
3564.14	-2463.33	10.3647	1.67133	3027.23	-973.898
3563.96	-2459.24	10.3648	1.66664	3031.57	-971.01
3563.78	-2455.15	10.3648	1.66194	3035.91	-968.12
3563.6	-2451.06	10.3649	1.65725	3040.24	-965.229
3563.41	-2446.97	10.365	1.65255	3044.56	-962.335
3563.22	-2442.87	10.3651	1.64784	3048.88	-959.439
3563.03	-2438.77	10.3651	1.64314	3053.19	-956.541
3562.84	-2434.67	10.3652	1.63843	3057.49	-953.641
3562.64	-2430.57	10.3653	1.63372	3061.79	-950.739
3562.44	-2426.46	10.3654	1.62901	3066.08	-947.835
3562.23	-2422.35	10.3655	1.62429	3070.36	-944.928
3562.02	-2418.24	10.3656	1.61957	3074.64	-942.02
3561.81	-2414.13	10.3657	1.61485	3078.91	-939.11
3561.6	-2410.02	10.3659	1.61012	3083.18	-936.198
3561.38	-2405.9	10.366	1.60539	3087.44	-933.284
3561.16	-2401.78	10.3661	1.60066	3091.69	-930.368
3560.93	-2397.66	10.3663	1.59593	3095.93	-927.45
3560.71	-2393.54	10.3664	1.59119	3100.17	-924.531
3560.48	-2389.42	10.3665	1.58645	3104.4	-921.609
3560.24	-2385.29	10.3667	1.58171	3108.63	-918.685
3560.01	-2381.16	10.3669	1.57696	3112.85	-915.76
3559.77	-2377.03	10.367	1.57222	3117.06	-912.832
3559.52	-2372.9	10.3672	1.56746	3121.27	-909.903
3559.28	-2368.76	10.3674	1.56271	3125.47	-906.972
3559.03	-2364.62	10.3675	1.55795	3129.66	-904.039
3558.78	-2360.48	10.3677	1.5532	3133.85	-901.104
3558.52	-2356.34	10.3679	1.54843	3138.03	-898.168
3558.26	-2352.2	10.3681	1.54367	3142.21	-895.229
3558	-2348.05	10.3683	1.5389	3146.38	-892.289
3557.73	-2343.9	10.3685	1.53413	3150.54	-889.347
3557.46	-2339.75	10.3687	1.52936	3154.69	-886.404
3557.19	-2335.6	10.369	1.52458	3158.84	-883.458
3556.92	-2331.44	10.3692	1.5198	3162.99	-880.511
3556.64	-2327.29	10.3694	1.51502	3167.12	-877.562
3556.36	-2323.13	10.3696	1.51024	3171.26	-874.611
3556.07	-2318.97	10.3699	1.50545	3175.38	-871.659
3555.78	-2314.8	10.3701	1.50066	3179.5	-868.705
3555.49	-2310.64	10.3704	1.49587	3183.61	-865.749
3555.2	-2306.47	10.3706	1.49107	3187.72	-862.791
3554.9	-2302.3	10.3709	1.48627	3191.82	-859.832
3554.6	-2298.13	10.3712	1.48147	3195.91	-856.871
3554.29	-2293.96	10.3714	1.47667	3200	-853.909
3553.99	-2289.78	10.3717	1.47186	3204.08	-850.945

3553.68	-2285.6	10.372	1.46706	3208.15	-847.979
3553.36	-2281.42		10.3723	1.46224	3212.22 -845.012
3553.04	-2277.24		10.3726	1.45743	3216.28 -842.043
3552.72	-2273.05		10.3729	1.45261	3220.34 -839.072
3552.4	-2268.87		10.3732	1.44779	3224.39 -836.1
3552.07	-2264.68		10.3735	1.44297	3228.43 -833.127
3551.74	-2260.49		10.3738	1.43814	3232.47 -830.151
3551.4	-2256.29		10.3742	1.43332	3236.5 -827.175
3551.07	-2252.1	10.3745	1.42849	3240.53	-824.196
3550.73	-2247.9	10.3748	1.42365	3244.55	-821.216
3550.38	-2243.7	10.3752	1.41882	3248.56	-818.235
3550.03	-2239.5	10.3755	1.41398	3252.57	-815.252
3549.68	-2235.29		10.3759	1.40914	3256.57 -812.268
3549.33	-2231.09		10.3762	1.40429	3260.56 -809.282
3548.97	-2226.88		10.3766	1.39945	3264.55 -806.294
3548.61	-2222.67		10.3769	1.3946	3268.54 -803.306
3548.24	-2218.46		10.3773	1.38974	3272.51 -800.315
3547.88	-2214.24		10.3777	1.38489	3276.49 -797.324
3547.5	-2210.02		10.3781	1.38003	3280.45 -794.33
3547.13	-2205.81		10.3785	1.37517	3284.41 -791.336
3546.75	-2201.58		10.3789	1.37031	3288.36 -788.34
3546.37	-2197.36		10.3793	1.36544	3292.31 -785.342
3545.98	-2193.14		10.3797	1.36058	3296.25 -782.343
3545.59	-2188.91		10.3801	1.35571	3300.19 -779.343
3545.2	-2184.68		10.3805	1.35083	3304.11 -776.341
3544.81	-2180.45		10.3809	1.34596	3308.04 -773.338
3544.41	-2176.21		10.3813	1.34108	3311.96 -770.334
3544.01	-2171.98		10.3818	1.3362	3315.87 -767.328
3543.6	-2167.74		10.3822	1.33131	3319.77 -764.321
3543.19	-2163.5	10.3827	1.32643	3323.67	-761.313
3542.78	-2159.25		10.3831	1.32154	3327.56 -758.303
3542.36	-2155.01		10.3836	1.31665	3331.45 -755.292
3541.94	-2150.76		10.384	1.31175	3335.33 -752.279
3541.52	-2146.51		10.3845	1.30686	3339.21 -749.266
3541.09	-2142.26		10.385	1.30196	3343.08 -746.251
3540.66	-2138.01		10.3855	1.29705	3346.94 -743.234
3540.23	-2133.75		10.3859	1.29215	3350.8 -740.217
3539.79	-2129.5	10.3864	1.28724	3354.66	-737.198
3539.35	-2125.24		10.3869	1.28233	3358.5 -734.178
3538.9	-2120.97		10.3874	1.27742	3362.34 -731.156
3538.46	-2116.71		10.3879	1.2725	3366.18 -728.134
3538	-2112.44		10.3884	1.26759	3370.01 -725.11
3537.55	-2108.18		10.389	1.26267	3373.83 -722.085
3537.09	-2103.9	10.3895	1.25774	3377.65	-719.059
3536.63	-2099.63		10.39	1.25282	3381.46 -716.031
3536.16	-2095.36		10.3906	1.24789	3385.27 -713.003
3535.69	-2091.08		10.3911	1.24296	3389.07 -709.973
3535.22	-2086.8	10.3916	1.23803	3392.86	-706.942
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3533.78	-2073.95		10.3933	1.22321	3404.21 -697.842
3533.29	-2069.66		10.3939	1.21827	3407.98 -694.806
3532.8	-2065.37		10.3945	1.21332	3411.75 -691.77
3532.31	-2061.08		10.395	1.20838	3415.51 -688.732
3531.81	-2056.79		10.3956	1.20343	3419.27 -685.693
3531.31	-2052.49		10.3962	1.19847	3423.01 -682.653
3530.8	-2048.19		10.3968	1.19352	3426.76 -679.611

3530.29	-2043.89	10.3974	1.18856	3430.5	-676.569
3529.78	-2039.59	10.398	1.1836	3434.23	-673.526
3529.27	-2035.29	10.3986	1.17863	3437.95	-670.481
3528.75	-2030.98	10.3993	1.17367	3441.67	-667.436
3528.22	-2026.67	10.3999	1.1687	3445.39	-664.389
3527.69	-2022.36	10.4005	1.16373	3449.1	-661.341
3527.16	-2018.05	10.4011	1.15875	3452.8	-658.293
3526.63	-2013.73	10.4018	1.15378	3456.5	-655.243
3526.09	-2009.41	10.4024	1.1488	3460.19	-652.192
3525.55	-2005.09	10.4031	1.14382	3463.88	-649.14
3525	-2000.77	10.4038	1.13884	3467.56	-646.088
3524.45	-1996.45	10.4044	1.13385	3471.24	-643.034
3523.9	-1992.12	10.4051	1.12886	3474.91	-639.979
3523.34	-1987.79	10.4058	1.12387	3478.57	-636.923
3522.78	-1983.46	10.4064	1.11888	3482.23	-633.866
3522.22	-1979.13	10.4071	1.11388	3485.89	-630.809
3521.65	-1974.8	10.4078	1.10888	3489.54	-627.75
3521.08	-1970.46	10.4085	1.10388	3493.18	-624.69
3520.5	-1966.12	10.4092	1.09888	3496.82	-621.63
3519.92	-1961.78	10.4099	1.09387	3500.45	-618.568
3519.34	-1957.44	10.4107	1.08886	3504.07	-615.505
3518.75	-1953.09	10.4114	1.08385	3507.7	-612.442
3518.16	-1948.74	10.4121	1.07884	3511.31	-609.378
3517.57	-1944.39	10.4129	1.07383	3514.92	-606.312
3516.97	-1940.04	10.4136	1.06881	3518.52	-603.246
3516.37	-1935.69	10.4143	1.06379	3522.12	-600.179
3515.76	-1931.33	10.4151	1.05876	3525.72	-597.111
3515.15	-1926.98	10.4158	1.05374	3529.31	-594.042
3514.54	-1922.62	10.4166	1.04871	3532.89	-590.972
3513.92	-1918.25	10.4174	1.04368	3536.47	-587.902
3513.3	-1913.89	10.4182	1.03865	3540.04	-584.83
3512.67	-1909.52	10.4189	1.03361	3543.6	-581.758
3512.04	-1905.15	10.4197	1.02857	3547.17	-578.684
3511.41	-1900.78	10.4205	1.02353	3550.72	-575.61
3510.77	-1896.41	10.4213	1.01849	3554.27	-572.535
3510.13	-1892.04	10.4221	1.01345	3557.82	-569.46
3509.49	-1887.66	10.4229	1.0084	3561.36	-566.383
3508.84	-1883.28	10.4237	1.00335	3564.89	-563.306
3508.19	-1878.9	10.4246	0.998299	3568.42	-560.227
3507.53	-1874.52	10.4254	0.993244	3571.94	-557.148
3506.87	-1870.13	10.4262	0.988188	3575.46	-554.069
3506.21	-1865.74	10.4271	0.983128	3578.97	-550.988
3505.54	-1861.35	10.4279	0.978067	3582.48	-547.907
3504.87	-1856.96	10.4287	0.973003	3585.98	-544.825
3504.19	-1852.57	10.4296	0.967936	3589.48	-541.742
3503.51	-1848.17	10.4305	0.962867	3592.97	-538.658
3502.83	-1843.77	10.4313	0.957796	3596.46	-535.574
3502.14	-1839.37	10.4322	0.952723	3599.94	-532.488
3501.45	-1834.97	10.4331	0.947647	3603.42	-529.402
3500.75	-1830.57	10.434	0.942569	3606.89	-526.316
3500.05	-1826.16	10.4349	0.937488	3610.35	-523.228
3499.35	-1821.75	10.4358	0.932405	3613.81	-520.14
3498.64	-1817.34	10.4367	0.927319	3617.27	-517.051
3497.93	-1812.93	10.4376	0.922232	3620.72	-513.962
3497.21	-1808.51	10.4385	0.917142	3624.16	-510.872
3496.49	-1804.09	10.4394	0.912049	3627.6	-507.781
3495.77	-1799.67	10.4403	0.906954	3631.03	-504.689

3495.04	-1795.25	10.4413	0.901857	3634.46	-501.597
3494.31	-1790.83	10.4422	0.896758	3637.89	-498.504
3493.57	-1786.4	10.4431	0.891656	3641.31	-495.41
3492.83	-1781.98	10.4441	0.886551	3644.72	-492.315
3492.09	-1777.55	10.445	0.881445	3648.13	-489.22
3491.34	-1773.12	10.446	0.876336	3651.53	-486.125
3490.59	-1768.68	10.447	0.871225	3654.93	-483.028
3489.83	-1764.25	10.4479	0.866111	3658.32	-479.931
3489.07	-1759.81	10.4489	0.860995	3661.71	-476.834
3488.31	-1755.37	10.4499	0.855877	3665.09	-473.736
3487.54	-1750.92	10.4509	0.850757	3668.47	-470.637
3486.77	-1746.48	10.4519	0.845634	3671.84	-467.537
3485.99	-1742.03	10.4529	0.840509	3675.21	-464.437
3485.21	-1737.59	10.4539	0.835382	3678.57	-461.336
3484.42	-1733.13	10.4549	0.830252	3681.93	-458.235
3483.63	-1728.68	10.4559	0.82512	3685.28	-455.133
3482.84	-1724.23	10.457	0.819985	3688.63	-452.031
3482.04	-1719.77	10.458	0.814849	3691.97	-448.928
3481.24	-1715.31	10.459	0.80971	3695.3	-445.824
3480.44	-1710.85	10.4601	0.804569	3698.64	-442.72
3479.63	-1706.39	10.4611	0.799425	3701.96	-439.615
3478.81	-1701.92	10.4622	0.794279	3705.28	-436.51
3477.99	-1697.45	10.4633	0.789131	3708.6	-433.404
3477.17	-1692.98	10.4643	0.783981	3711.91	-430.297
3476.34	-1688.51	10.4654	0.778829	3715.22	-427.19
3475.51	-1684.04	10.4665	0.773674	3718.52	-424.083
3474.68	-1679.56	10.4676	0.768517	3721.82	-420.974
3473.84	-1675.09	10.4687	0.763357	3725.11	-417.866
3472.99	-1670.61	10.4698	0.758196	3728.39	-414.757
3472.14	-1666.12	10.4709	0.753032	3731.68	-411.647
3471.29	-1661.64	10.472	0.747865	3734.95	-408.537
3470.44	-1657.15	10.4731	0.742697	3738.22	-405.426
3469.57	-1652.67	10.4742	0.737526	3741.49	-402.315
3468.71	-1648.18	10.4753	0.732353	3744.75	-399.203
3467.84	-1643.68	10.4765	0.727178	3748.01	-396.091
3466.97	-1639.19	10.4776	0.722001	3751.26	-392.979
3466.09	-1634.69	10.4788	0.716821	3754.51	-389.866
3465.2	-1630.19	10.4799	0.711639	3757.75	-386.752
3464.32	-1625.69	10.4811	0.706455	3760.99	-383.638
3463.43	-1621.19	10.4822	0.701269	3764.22	-380.523
3462.53	-1616.69	10.4834	0.69608	3767.44	-377.408
3461.63	-1612.18	10.4846	0.690889	3770.67	-374.293
3460.73	-1607.67	10.4858	0.685696	3773.88	-371.177
3459.82	-1603.16	10.487	0.680501	3777.1	-368.061
3458.91	-1598.65	10.4882	0.675304	3780.3	-364.944
3457.99	-1594.13	10.4894	0.670104	3783.51	-361.827
3457.07	-1589.62	10.4906	0.664902	3786.7	-358.709
3456.14	-1585.1	10.4918	0.659698	3789.9	-355.591
3455.21	-1580.58	10.493	0.654492	3793.08	-352.473
3454.27	-1576.05	10.4942	0.649284	3796.27	-349.354
3453.33	-1571.53	10.4955	0.644073	3799.45	-346.235
3452.39	-1567	10.4967	0.63886	3802.62	-343.115
3451.44	-1562.47	10.498	0.633645	3805.79	-339.995
3450.49	-1557.94	10.4992	0.628428	3808.95	-336.874
3449.53	-1553.41	10.5005	0.623209	3812.11	-333.754
3448.57	-1548.87	10.5017	0.617987	3815.27	-330.632
3447.6	-1544.33	10.503	0.612764	3818.42	-327.511

3446.63	-1539.79	10.5043	0.607538	3821.56	-324.389
3445.66	-1535.25	10.5056	0.60231	3824.7	-321.266
3444.68	-1530.71	10.5068	0.597079	3827.84	-318.144
3443.7	-1526.16	10.5081	0.591847	3830.97	-315.021
3442.71	-1521.62	10.5094	0.586613	3834.09	-311.897
3441.71	-1517.07	10.5107	0.581376	3837.21	-308.773
3440.72	-1512.51	10.5121	0.576137	3840.33	-305.649
3439.71	-1507.96	10.5134	0.570896	3843.44	-302.525
3438.71	-1503.4	10.5147	0.565653	3846.55	-299.4
3437.69	-1498.85	10.516	0.560408	3849.65	-296.275
3436.68	-1494.29	10.5174	0.55516	3852.75	-293.15
3435.66	-1489.73	10.5187	0.549911	3855.84	-290.024
3434.63	-1485.16	10.5201	0.544659	3858.93	-286.898
3433.6	-1480.6	10.5214	0.539405	3862.01	-283.771
3432.57	-1476.03	10.5228	0.534149	3865.09	-280.645
3431.53	-1471.46	10.5242	0.528891	3868.16	-277.518
3430.49	-1466.89	10.5255	0.523631	3871.23	-274.39
3429.44	-1462.31	10.5269	0.518369	3874.3	-271.263
3428.38	-1457.74	10.5283	0.513105	3877.35	-268.135
3427.33	-1453.16	10.5297	0.507838	3880.41	-265.007
3426.26	-1448.58	10.5311	0.50257	3883.46	-261.878
3425.2	-1444	10.5325	0.497299	3886.51	-258.75
3424.13	-1439.41	10.5339	0.492026	3889.55	-255.621
3423.05	-1434.83	10.5353	0.486751	3892.58	-252.491
3421.97	-1430.24	10.5368	0.481474	3895.61	-249.362
3420.88	-1425.65	10.5382	0.476195	3898.64	-246.232
3419.79	-1421.06	10.5396	0.470914	3901.66	-243.102
3418.7	-1416.46	10.5411	0.465631	3904.68	-239.972
3417.6	-1411.87	10.5425	0.460346	3907.7	-236.841
3416.49	-1407.27	10.544	0.455058	3910.7	-233.71
3415.38	-1402.67	10.5455	0.449769	3913.71	-230.579
3414.27	-1398.07	10.5469	0.444477	3916.71	-227.448
3413.15	-1393.47	10.5484	0.439184	3919.7	-224.317
3412.03	-1388.86	10.5499	0.433888	3922.69	-221.185
3410.9	-1384.25	10.5514	0.428591	3925.68	-218.053
3409.77	-1379.64	10.5529	0.423291	3928.66	-214.921
3408.63	-1375.03	10.5544	0.417989	3931.64	-211.789
3407.49	-1370.42	10.5559	0.412685	3934.61	-208.656
3406.34	-1365.8	10.5574	0.40738	3937.58	-205.523
3405.19	-1361.18	10.5589	0.402072	3940.54	-202.39
3404.03	-1356.56	10.5605	0.396762	3943.5	-199.257
3402.87	-1351.94	10.562	0.39145	3946.45	-196.124
3401.7	-1347.32	10.5635	0.386136	3949.4	-192.99
3400.53	-1342.69	10.5651	0.38082	3952.35	-189.857
3399.35	-1338.07	10.5667	0.375502	3955.29	-186.723
3398.17	-1333.44	10.5682	0.370182	3958.22	-183.589
3396.98	-1328.81	10.5698	0.36486	3961.15	-180.454
3395.79	-1324.17	10.5714	0.359536	3964.08	-177.32
3394.59	-1319.54	10.5729	0.35421	3967	-174.185
3393.39	-1314.9	10.5745	0.348882	3969.92	-171.051
3392.19	-1310.26	10.5761	0.343552	3972.83	-167.916
3390.97	-1305.62	10.5777	0.33822	3975.74	-164.781
3389.76	-1300.98	10.5793	0.332886	3978.65	-161.646
3388.54	-1296.33	10.5809	0.32755	3981.55	-158.51
3387.31	-1291.69	10.5826	0.322212	3984.44	-155.375
3386.08	-1287.04	10.5842	0.316872	3987.33	-152.239
3384.84	-1282.39	10.5858	0.31153	3990.22	-149.103

3383.6	-1277.74	10.5875	0.306186	3993.1	-145.967
3382.36	-1273.08	10.5891	0.30084	3995.98	-142.831
3381.1	-1268.42	10.5908	0.295492	3998.85	-139.695
3379.85	-1263.77	10.5924	0.290142	4001.72	-136.559
3378.59	-1259.11	10.5941	0.284791	4004.59	-133.423
3377.32	-1254.44	10.5958	0.279437	4007.45	-130.286
3376.05	-1249.78	10.5974	0.274081	4010.3	-127.15
3374.77	-1245.11	10.5991	0.268724	4013.16	-124.013
3373.49	-1240.45	10.6008	0.263364	4016	-120.876
3372.2	-1235.78	10.6025	0.258003	4018.84	-117.739
3370.91	-1231.1	10.6042	0.252639	4021.68	-114.602
3369.62	-1226.43	10.6059	0.247274	4024.52	-111.465
3368.31	-1221.76	10.6077	0.241907	4027.35	-108.328
3367.01	-1217.08	10.6094	0.236538	4030.17	-105.191
3365.69	-1212.4	10.6111	0.231166	4032.99	-102.053
3364.38	-1207.72	10.6129	0.225793	4035.81	-98.9161
3363.05	-1203.04	10.6146	0.220419	4038.62	-95.7786
3361.73	-1198.35	10.6164	0.215042	4041.43	-92.6411
3360.39	-1193.66	10.6181	0.209663	4044.23	-89.5035
3359.05	-1188.98	10.6199	0.204283	4047.03	-86.3658
3357.71	-1184.28	10.6217	0.1989	4049.83	-83.2281
3356.36	-1179.59	10.6235	0.193516	4052.62	-80.0903
3355.01	-1174.9	10.6252	0.188129	4055.4	-76.9525
3353.65	-1170.2	10.627	0.182741	4058.18	-73.8146
3352.28	-1165.5	10.6288	0.177351	4060.96	-70.6767
3350.91	-1160.8	10.6306	0.171959	4063.74	-67.5387
3349.54	-1156.1	10.6325	0.166566	4066.5	-64.4007
3348.16	-1151.4	10.6343	0.16117	4069.27	-61.2627
3346.77	-1146.69	10.6361	0.155773	4072.03	-58.1246
3345.38	-1141.99	10.6379	0.150373	4074.79	-54.9865
3343.99	-1137.28	10.6398	0.144972	4077.54	-51.8484
3342.58	-1132.57	10.6416	0.139569	4080.29	-48.7102
3341.18	-1127.85	10.6435	0.134164	4083.03	-45.5721
3339.77	-1123.14	10.6454	0.128758	4085.77	-42.4339
3338.35	-1118.42	10.6472	0.123349	4088.5	-39.2957
3336.93	-1113.71	10.6491	0.117939	4091.23	-36.1575
3335.5	-1108.99	10.651	0.112527	4093.96	-33.0193
3334.06	-1104.26	10.6529	0.107113	4096.68	-29.8811
3332.62	-1099.54	10.6548	0.101697	4099.4	-26.7429
3331.18	-1094.82	10.6567	0.0962794	4102.11	-23.6047
3329.73	-1090.09	10.6586	0.09086	4104.82	-20.4665
3328.27	-1085.36	10.6605	0.0854388	4107.53	-17.3283
3326.81	-1080.63	10.6624	0.0800158	4110.23	-14.1901
3325.35	-1075.9	10.6644	0.0745911	4112.93	-11.0519
3323.88	-1071.16	10.6663	0.0691645	4115.62	-7.91379
3322.4	-1066.43	10.6682	0.0637362	4118.31	-4.77567
3320.92	-1061.69	10.6702	0.058306	4120.99	-1.63758
3319.43	-1056.95	10.6722	0.0528741	4123.67	1.50048
3317.93	-1052.21	10.6741	0.0474405	4126.35	4.63852
3316.43	-1047.46	10.6761	0.0420051	4129.02	7.77652
3314.93	-1042.72	10.6781	0.0365679	4131.69	10.9145
3313.42	-1037.97	10.6801	0.031129	4134.35	14.0524
3311.9	-1033.22	10.6821	0.0256883	4137.01	17.1903
3310.38	-1028.47	10.6841	0.0202459	4139.67	20.3281
3308.86	-1023.72	10.6861	0.0148017	4142.32	23.4659
3307.32	-1018.97	10.6881	0.0093558	4144.97	26.6036
3305.78	-1014.21	10.6901	0.00390817	4147.61	29.7413

3304.24	-1009.45	10.6921	-0.00154118	4150.25	32.8789
3302.69	-1004.69	10.6942	-0.00699225	4152.88	36.0165
3301.14	-999.933	10.6962	-0.012445	4155.51	39.1539
3299.57	-995.171	10.6983	-0.0178995	4158.14	42.2914
3298.01	-990.406	10.7003	-0.0233557	4160.76	45.4287
3296.44	-985.64	10.7024	-0.0288136	4163.38	48.566
3294.86	-980.873	10.7045	-0.0342732	4166	51.7032
3293.27	-976.103	10.7065	-0.0397345	4168.61	54.8403
3291.69	-971.332	10.7086	-0.0451975	4171.21	57.9774
3290.09	-966.559	10.7107	-0.0506621	4173.81	61.1143
3288.49	-961.784	10.7128	-0.0561284	4176.41	64.2512
3286.88	-957.008	10.7149	-0.0615964	4179.01	67.388
3285.27	-952.23	10.717	-0.0670661	4181.6	70.5247
3283.65	-947.451	10.7192	-0.0725374	4184.18	73.6613
3282.03	-942.669	10.7213	-0.0780104	4186.76	76.7978
3280.4	-937.886	10.7234	-0.083485	4189.34	79.9342
3278.77	-933.101	10.7256	-0.0889612	4191.92	83.0705
3277.12	-928.315	10.7277	-0.0944391	4194.49	86.2067
3275.48	-923.527	10.7299	-0.0999186	4197.05	89.3428
3273.82	-918.737	10.7321	-0.1054	4199.61	92.4787
3272.17	-913.946	10.7342	-0.110883	4202.17	95.6146
3270.5	-909.153	10.7364	-0.116367	4204.72	98.7503
3268.83	-904.358	10.7386	-0.121853	4207.27	101.886
3267.15	-899.562	10.7408	-0.127341	4209.82	105.021
3265.47	-894.764	10.743	-0.13283	4212.36	108.157
3263.78	-889.964	10.7452	-0.138321	4214.9	111.292
3262.09	-885.163	10.7474	-0.143813	4217.43	114.427
3260.39	-880.36	10.7497	-0.149307	4219.96	117.562
3258.68	-875.555	10.7519	-0.154803	4222.49	120.697
3256.97	-870.749	10.7541	-0.1603	4225.01	123.832
3255.26	-865.941	10.7564	-0.165798	4227.53	126.966
3253.53	-861.132	10.7586	-0.171299	4230.04	130.101
3251.8	-856.321	10.7609	-0.1768	4232.55	133.235
3250.07	-851.508	10.7632	-0.182304	4235.06	136.369
3248.32	-846.694	10.7654	-0.187809	4237.56	139.503
3246.58	-841.878	10.7677	-0.193315	4240.06	142.637
3244.82	-837.061	10.77	-0.198823	4242.55	145.771
3243.06	-832.242	10.7723	-0.204333	4245.04	148.904
3241.3	-827.421	10.7746	-0.209844	4247.53	152.037
3239.53	-822.599	10.7769	-0.215356	4250.01	155.171
3237.75	-817.776	10.7793	-0.22087	4252.49	158.304
3235.96	-812.95	10.7816	-0.226386	4254.96	161.436
3234.17	-808.123	10.7839	-0.231903	4257.43	164.569
3232.38	-803.295	10.7863	-0.237421	4259.9	167.702
3230.57	-798.465	10.7886	-0.242941	4262.36	170.834
3228.76	-793.634	10.791	-0.248463	4264.82	173.966
3226.95	-788.801	10.7933	-0.253986	4267.28	177.098
3225.13	-783.966	10.7957	-0.25951	4269.73	180.23
3223.3	-779.13	10.7981	-0.265036	4272.18	183.362
3221.47	-774.293	10.8005	-0.270563	4274.62	186.493
3219.63	-769.454	10.8029	-0.276092	4277.06	189.624
3217.78	-764.613	10.8053	-0.281623	4279.49	192.755
3215.93	-759.771	10.8077	-0.287154	4281.93	195.886
3214.07	-754.927	10.8101	-0.292687	4284.35	199.017
3212.21	-750.082	10.8126	-0.298222	4286.78	202.147
3210.34	-745.236	10.815	-0.303758	4289.2	205.277
3208.46	-740.388	10.8174	-0.309295	4291.61	208.407

3206.57	-735.538	10.8199	-0.314834	4294.03	211.537
3204.68	-730.687	10.8223	-0.320374	4296.44	214.667
3202.79	-725.835	10.8248	-0.325915	4298.84	217.796
3200.89	-720.981	10.8273	-0.331458	4301.24	220.926
3198.98	-716.125	10.8298	-0.337003	4303.64	224.055
3197.06	-711.268	10.8323	-0.342548	4306.03	227.183
3195.14	-706.41	10.8347	-0.348095	4308.42	230.312
3193.21	-701.551	10.8373	-0.353644	4310.81	233.44
3191.28	-696.689	10.8398	-0.359193	4313.19	236.568
3189.33	-691.827	10.8423	-0.364745	4315.57	239.696
3187.39	-686.963	10.8448	-0.370297	4317.94	242.824
3185.43	-682.098	10.8473	-0.375851	4320.31	245.951
3183.47	-677.231	10.8499	-0.381406	4322.68	249.078
3181.51	-672.363	10.8524	-0.386962	4325.04	252.205
3179.53	-667.493	10.855	-0.39252	4327.4	255.332
3177.55	-662.622	10.8576	-0.398079	4329.76	258.458
3175.56	-657.75	10.8601	-0.403639	4332.11	261.585
3173.57	-652.876	10.8627	-0.409201	4334.46	264.711
3171.57	-648.001	10.8653	-0.414763	4336.8	267.836
3169.57	-643.125	10.8679	-0.420327	4339.15	270.962
3167.55	-638.247	10.8705	-0.425893	4341.48	274.087
3165.53	-633.368	10.8731	-0.431459	4343.81	277.212
3163.51	-628.487	10.8758	-0.437027	4346.14	280.337
3161.47	-623.605	10.8784	-0.442596	4348.47	283.461
3159.44	-618.722	10.881	-0.448167	4350.79	286.585
3157.39	-613.838	10.8837	-0.453738	4353.11	289.709
3155.34	-608.952	10.8863	-0.459311	4355.42	292.833
3153.28	-604.065	10.889	-0.464885	4357.74	295.956
3151.21	-599.177	10.8917	-0.47046	4360.04	299.08
3149.14	-594.287	10.8943	-0.476037	4362.35	302.202
3147.06	-589.396	10.897	-0.481614	4364.65	305.325
3144.97	-584.504	10.8997	-0.487193	4366.94	308.447
3142.88	-579.61	10.9024	-0.492773	4369.23	311.569
3140.78	-574.715	10.9051	-0.498354	4371.52	314.691
3138.67	-569.819	10.9079	-0.503936	4373.81	317.813
3136.56	-564.922	10.9106	-0.50952	4376.09	320.934
3134.44	-560.024	10.9133	-0.515104	4378.37	324.055
3132.31	-555.124	10.9161	-0.52069	4380.64	327.175
3130.18	-550.223	10.9188	-0.526277	4382.91	330.296
3128.04	-545.321	10.9216	-0.531865	4385.18	333.416
3125.89	-540.417	10.9243	-0.537454	4387.44	336.535
3123.74	-535.513	10.9271	-0.543044	4389.7	339.655
3121.58	-530.607	10.9299	-0.548635	4391.96	342.774
3119.41	-525.7	10.9327	-0.554227	4394.21	345.893
3117.23	-520.792	10.9355	-0.559821	4396.46	349.012
3115.05	-515.882	10.9383	-0.565415	4398.7	352.13
3112.86	-510.972	10.9411	-0.571011	4400.94	355.248
3110.67	-506.06	10.944	-0.576607	4403.18	358.365
3108.46	-501.147	10.9468	-0.582205	4405.41	361.483
3106.25	-496.233	10.9496	-0.587804	4407.64	364.6
3104.04	-491.318	10.9525	-0.593403	4409.87	367.716
3101.81	-486.402	10.9553	-0.599004	4412.09	370.833
3099.58	-481.484	10.9582	-0.604606	4414.31	373.949
3097.34	-476.566	10.9611	-0.610208	4416.53	377.065
3095.1	-471.646	10.964	-0.615812	4418.74	380.18
3092.84	-466.726	10.9669	-0.621417	4420.95	383.295
3090.59	-461.804	10.9698	-0.627022	4423.16	386.41

3088.32	-456.881		10.9727	-0.632629		4425.36	389.525
3086.04	-451.957		10.9756	-0.638236		4427.56	392.639
3083.76	-447.032		10.9785	-0.643845		4429.75	395.753
3081.48	-442.106		10.9814	-0.649454		4431.94	398.866
3079.18	-437.179		10.9844	-0.655065		4434.13	401.979
3076.88	-432.251		10.9873	-0.660676		4436.31	405.092
3074.57	-427.322		10.9903	-0.666288		4438.49	408.204
3072.25	-422.392		10.9933	-0.671901		4440.67	411.317
3069.93	-417.46	10.9962	-0.677515		4442.84	414.428	
3067.6	-412.528		10.9992	-0.68313		4445.01	417.54
3065.26	-407.595		11.0022	-0.688746		4447.18	420.651
3062.91	-402.661		11.0052	-0.694362		4449.34	423.762
3060.56	-397.726		11.0082	-0.69998		4451.5	426.872
3058.2	-392.79	11.0112	-0.705598		4453.65	429.982	
3055.83	-387.853		11.0143	-0.711217		4455.81	433.092
3053.46	-382.915		11.0173	-0.716837		4457.95	436.201
3051.07	-377.976		11.0204	-0.722458		4460.1	439.31
3048.68	-373.036		11.0234	-0.728079		4462.24	442.419
3046.29	-368.095		11.0265	-0.733702		4464.38	445.527
3043.88	-363.153		11.0295	-0.739325		4466.51	448.635
3041.47	-358.211		11.0326	-0.744949		4468.64	451.743
3039.05	-353.267		11.0357	-0.750573		4470.77	454.85
3036.62	-348.323		11.0388	-0.756198		4472.89	457.957
3034.19	-343.378		11.0419	-0.761825		4475.01	461.063
3031.74	-338.432		11.045	-0.767451		4477.13	464.169
3029.29	-333.485		11.0482	-0.773079		4479.24	467.275
3026.84	-328.537		11.0513	-0.778707		4481.35	470.381
3024.37	-323.588		11.0544	-0.784336		4483.46	473.486
3021.9	-318.639		11.0576	-0.789966		4485.56	476.59
3019.42	-313.689		11.0607	-0.795596		4487.66	479.694
3016.93	-308.738		11.0639	-0.801227		4489.76	482.798
3014.44	-303.786		11.0671	-0.806859		4491.85	485.902
3011.93	-298.833		11.0703	-0.812491		4493.94	489.005
3009.42	-293.88	11.0735	-0.818124		4496.03	492.107	
3006.91	-288.926		11.0767	-0.823758		4498.11	495.21
3004.38	-283.971		11.0799	-0.829392		4500.19	498.312
3001.85	-279.015		11.0831	-0.835026		4502.26	501.413
2999.31	-274.059		11.0863	-0.840662		4504.33	504.514
2996.76	-269.102		11.0896	-0.846298		4506.4	507.615
2994.2	-264.144		11.0928	-0.851934		4508.47	510.715
2991.64	-259.185		11.0961	-0.857571		4510.53	513.815
2989.06	-254.226		11.0993	-0.863209		4512.59	516.915
2986.48	-249.266		11.1026	-0.868847		4514.64	520.014
2983.9	-244.306		11.1059	-0.874485		4516.69	523.113
2981.3	-239.345		11.1092	-0.880125		4518.74	526.211
2978.7	-234.383		11.1125	-0.885764		4520.79	529.309
2976.09	-229.42	11.1158	-0.891404		4522.83	532.407	
2973.47	-224.457		11.1191	-0.897045		4524.87	535.504
2970.84	-219.494		11.1224	-0.902686		4526.9	538.601
2968.21	-214.529		11.1258	-0.908327		4528.93	541.697
2965.56	-209.565		11.1291	-0.913969		4530.96	544.793