

θ	s	v	a	volume	dV/d θ	Wiebe	df/d θ	dQ/d θ	dp/d θ	p_Wiebe	Fa	Fg	F	ϕ	
°	rad	mm	m/s	m/s ²	cm ³	cm ³ /rad	f	f/rad	J/rad	bar/rad	bar	N	N	N	°
0	0	0.0000	0.0000	52071.1043	13.0296	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	12305	0	12305	0.0000
1	0.02	0.0040	0.6428	52058.7872	13.0436	1.6031	0.0000	0.0000	0.0000	0.0000	1.0000	12302	0	12302	0.2261
2	0.03	0.0159	1.2853	52021.8451	13.0855	3.2054	0.0000	0.0000	0.0000	0.0000	1.0000	12293	0	12293	0.4520
3	0.05	0.0357	1.9272	51960.3053	13.1555	4.8062	0.0000	0.0000	0.0000	0.0000	1.0000	12278	0	12278	0.6779
4	0.07	0.0635	2.5682	51874.2132	13.2533	6.4047	0.0000	0.0000	0.0000	0.0000	1.0000	12258	0	12258	0.9036
5	0.09	0.0991	3.2079	51763.6324	13.3790	8.0002	0.0000	0.0000	0.0000	0.0000	1.0000	12232	0	12232	1.1290
6	0.1	0.1427	3.8462	51628.6443	13.5325	9.5920	0.0000	0.0000	0.0000	0.0000	1.0000	12200	0	12200	1.3540
7	0.12	0.1941	4.4826	51469.3486	13.7138	11.1791	0.0000	0.0000	0.0000	0.0000	1.0000	12162	0	12162	1.5787
8	0.14	0.2533	5.1169	51285.8627	13.9228	12.7611	0.0000	0.0000	0.0000	0.0000	1.0000	12119	0	12119	1.8029
9	0.16	0.3204	5.7488	51078.3218	14.1593	14.3370	0.0000	0.0000	0.0000	0.0000	1.0000	12070	0	12070	2.0266
10	0.17	0.3953	6.3780	50846.8785	14.4232	15.9061	0.0000	0.0000	0.0000	0.0000	1.0000	12015	0	12015	2.2498
11	0.19	0.4779	7.0042	50591.7030	14.7145	17.4677	0.0000	0.0000	0.0000	0.0000	1.0000	11955	0	11955	2.4722
12	0.21	0.5682	7.6271	50312.9829	15.0330	19.0212	0.0000	0.0000	0.0000	0.0000	1.0000	11889	0	11889	2.6940
13	0.23	0.6663	8.2464	50010.9227	15.3786	20.5656	0.0000	0.0000	0.0000	0.0000	1.0000	11818	0	11818	2.9149
14	0.24	0.7719	8.8619	49685.7437	15.7510	22.1005	0.0000	0.0000	0.0000	0.0000	1.0000	11741	0	11741	3.1351
15	0.26	0.8851	9.4731	49337.6842	16.1502	23.6249	0.0000	0.0000	0.0000	0.0000	1.0000	11659	0	11659	3.3543
16	0.28	1.0059	10.0800	48966.9984	16.5759	25.1383	0.0000	0.0000	0.0000	0.0000	1.0000	11571	0	11571	3.5725
17	0.3	1.1341	10.6821	48573.9572	17.0279	26.6400	0.0000	0.0000	0.0000	0.0000	1.0000	11478	0	11478	3.7897
18	0.31	1.2697	11.2792	48158.8469	17.5061	28.1292	0.0000	0.0000	0.0000	0.0000	1.0000	11380	0	11380	4.0058
19	0.33	1.4127	11.8711	47721.9696	18.0102	29.6052	0.0000	0.0000	0.0000	0.0000	1.0000	11277	0	11277	4.2207
20	0.35	1.5629	12.4575	47263.6427	18.5399	31.0675	0.0000	0.0000	0.0000	0.0000	1.0000	11169	0	11169	4.4344
21	0.37	1.7204	13.0380	46784.1986	19.0951	32.5154	0.0000	0.0000	0.0000	0.0000	1.0000	11055	0	11055	4.6469
22	0.38	1.8850	13.6126	46283.9841	19.6755	33.9482	0.0000	0.0000	0.0000	0.0000	1.0000	10937	0	10937	4.8579
23	0.4	2.0567	14.1808	45763.3605	20.2808	35.3653	0.0000	0.0000	0.0000	0.0000	1.0000	10814	0	10814	5.0676
24	0.42	2.2354	14.7424	45222.7029	20.9107	36.7660	0.0000	0.0000	0.0000	0.0000	1.0000	10686	0	10686	5.2757
25	0.44	2.4209	15.2973	44662.3998	21.5650	38.1498	0.0000	0.0000	0.0000	0.0000	1.0000	10554	0	10554	5.4823
26	0.45	2.6133	15.8451	44082.8532	22.2433	39.5160	0.0000	0.0000	0.0000	0.0000	1.0000	10417	0	10417	5.6873

27	0.47	2.8125	16.3857	43484.4775	22.9454	40.8641	0.0000	0.0000	0.0000	0.0000	1.0000	10276	0	10276	5.8907
28	0.49	3.0183	16.9187	42867.6994	23.6709	42.1935	0.0000	0.0000	0.0000	0.0000	1.0000	10130	0	10130	6.0923
29	0.51	3.2306	17.4441	42232.9578	24.4195	43.5036	0.0000	0.0000	0.0000	0.0000	1.0000	9980	0	9980	6.2921
30	0.52	3.4494	17.9615	41580.7028	25.1909	44.7939	0.0000	0.0000	0.0000	0.0000	1.0000	9826	0	9826	6.4901
31	0.54	3.6745	18.4707	40911.3955	25.9846	46.0638	0.0000	0.0000	0.0000	0.0000	1.0000	9668	0	9668	6.6862
32	0.56	3.9059	18.9715	40225.5077	26.8005	47.3129	0.0000	0.0000	0.0000	0.0000	1.0000	9505	0	9505	6.8803
33	0.58	4.1435	19.4638	39523.5210	27.6380	48.5407	0.0000	0.0000	0.0000	0.0000	1.0000	9340	0	9340	7.0724
34	0.59	4.3871	19.9474	38805.9269	28.4968	49.7465	0.0000	0.0000	0.0000	0.0000	1.0000	9170	0	9170	7.2624
35	0.61	4.6366	20.4219	38073.2259	29.3766	50.9301	0.0000	0.0000	0.0000	0.0000	1.0000	8997	0	8997	7.4502
36	0.63	4.8919	20.8874	37325.9269	30.2768	52.0908	0.0000	0.0000	0.0000	0.0000	1.0000	8820	0	8820	7.6359
37	0.65	5.1530	21.3435	36564.5471	31.1972	53.2284	0.0000	0.0000	0.0000	0.0000	1.0000	8640	0	8640	7.8193
38	0.66	5.4196	21.7902	35789.6113	32.1374	54.3422	0.0000	0.0000	0.0000	0.0000	1.0000	8457	0	8457	8.0003
39	0.68	5.6918	22.2272	35001.6513	33.0968	55.4321	0.0000	0.0000	0.0000	0.0000	1.0000	8271	0	8271	8.1790
40	0.7	5.9693	22.6543	34201.2055	34.0752	56.4974	0.0000	0.0000	0.0000	0.0000	1.0000	8082	0	8082	8.3553
41	0.72	6.2520	23.0716	33388.8184	35.0719	57.5380	0.0000	0.0000	0.0000	0.0000	1.0000	7890	0	7890	8.5291
42	0.73	6.5398	23.4787	32565.0397	36.0867	58.5533	0.0000	0.0000	0.0000	0.0000	1.0000	7695	0	7695	8.7003
43	0.75	6.8326	23.8756	31730.4245	37.1191	59.5431	0.0000	0.0000	0.0000	0.0000	1.0000	7498	0	7498	8.8690
44	0.77	7.1303	24.2621	30885.5318	38.1686	60.5071	0.0000	0.0000	0.0000	0.0000	1.0000	7298	0	7298	9.0350
45	0.79	7.4327	24.6382	30030.9250	39.2348	61.4449	0.0000	0.0000	0.0000	0.0000	1.0000	7096	0	7096	9.1983
46	0.8	7.7397	25.0036	29167.1705	40.3171	62.3562	0.0000	0.0000	0.0000	0.0000	1.0000	6892	0	6892	9.3588
47	0.82	8.0512	25.3583	28294.8375	41.4152	63.2408	0.0000	0.0000	0.0000	0.0000	1.0000	6686	0	6686	9.5166
48	0.84	8.3670	25.7022	27414.4976	42.5286	64.0985	0.0000	0.0000	0.0000	0.0000	1.0000	6478	0	6478	9.6714
49	0.86	8.6870	26.0352	26526.7240	43.6568	64.9289	0.0000	0.0000	0.0000	0.0000	1.0000	6268	0	6268	9.8234
50	0.87	9.0110	26.3572	25632.0910	44.7992	65.7318	0.0000	0.0000	0.0000	0.0000	1.0000	6057	0	6057	9.9725
51	0.89	9.3390	26.6681	24731.1736	45.9555	66.5072	0.0000	0.0000	0.0000	0.0000	1.0000	5844	0	5844	10.1185
52	0.91	9.6707	26.9678	23824.5468	47.1252	67.2547	0.0000	0.0000	0.0000	0.0000	1.0000	5630	0	5630	10.2615
53	0.93	10.0061	27.2563	22912.7851	48.3077	67.9742	0.0000	0.0000	0.0000	0.0000	1.0000	5414	0	5414	10.4014
54	0.94	10.3450	27.5335	21996.4621	49.5025	68.6655	0.0000	0.0000	0.0000	0.0000	1.0000	5198	0	5198	10.5381
55	0.96	10.6873	27.7994	21076.1497	50.7092	69.3286	0.0000	0.0000	0.0000	0.0000	1.0000	4980	0	4980	10.6717
56	0.98	11.0328	28.0539	20152.4177	51.9273	69.9633	0.0000	0.0000	0.0000	0.0000	1.0000	4762	0	4762	10.8020
57	0.99	11.3813	28.2970	19225.8335	53.1562	70.5695	0.0000	0.0000	0.0000	0.0000	1.0000	4543	0	4543	10.9290

58	1.01	11.7328	28.5286	18296.9610	54.3954	71.1472	0.0000	0.0000	0.0000	0.0000	1.0000	4324	0	4324	11.0528
59	1.03	12.0871	28.7488	17366.3609	55.6445	71.6962	0.0000	0.0000	0.0000	0.0000	1.0000	4104	0	4104	11.1731
60	1.05	12.4440	28.9574	16434.5893	56.9030	72.2165	0.0000	0.0000	0.0000	0.0000	1.0000	3884	0	3884	11.2901
61	1.06	12.8035	29.1545	15502.1980	58.1702	72.7082	0.0000	0.0000	0.0000	0.0000	1.0000	3663	0	3663	11.4037
62	1.08	13.1653	29.3402	14569.7334	59.4458	73.1711	0.0000	0.0000	0.0000	0.0000	1.0000	3443	0	3443	11.5137
63	1.1	13.5293	29.5143	13637.7364	60.7293	73.6054	0.0000	0.0000	0.0000	0.0000	1.0000	3223	0	3223	11.6203
64	1.12	13.8954	29.6769	12706.7417	62.0200	74.0109	0.0000	0.0000	0.0000	0.0000	1.0000	3003	0	3003	11.7233
65	1.13	14.2634	29.8280	11777.2774	63.3175	74.3878	0.0000	0.0000	0.0000	0.0000	1.0000	2783	0	2783	11.8227
66	1.15	14.6333	29.9677	10849.8647	64.6214	74.7361	0.0000	0.0000	0.0000	0.0000	1.0000	2564	0	2564	11.9185
67	1.17	15.0047	30.0960	9925.0171	65.9310	75.0560	0.0000	0.0000	0.0000	0.0000	1.0000	2345	0	2345	12.0106
68	1.19	15.3777	30.2128	9003.2403	67.2459	75.3473	0.0000	0.0000	0.0000	0.0000	1.0000	2128	0	2128	12.0991
69	1.2	15.7520	30.3183	8085.0317	68.5656	75.6104	0.0000	0.0000	0.0000	0.0000	1.0000	1911	0	1911	12.1838
70	1.22	16.1275	30.4124	7170.8796	69.8896	75.8452	0.0000	0.0000	0.0000	0.0000	1.0000	1695	0	1695	12.2648
71	1.24	16.5041	30.4953	6261.2636	71.2174	76.0520	0.0000	0.0000	0.0000	0.0000	1.0000	1480	0	1480	12.3421
72	1.26	16.8817	30.5671	5356.6534	72.5484	76.2308	0.0000	0.0000	0.0000	0.0000	1.0000	1266	0	1266	12.4155
73	1.27	17.2600	30.6276	4457.5087	73.8823	76.3819	0.0000	0.0000	0.0000	0.0000	1.0000	1053	0	1053	12.4851
74	1.29	17.6390	30.6771	3564.2792	75.2185	76.5054	0.0000	0.0000	0.0000	0.0000	1.0000	842	0	842	12.5509
75	1.31	18.0185	30.7157	2677.4037	76.5565	76.6015	0.0000	0.0000	0.0000	0.0000	1.0000	633	0	633	12.6128
76	1.33	18.3984	30.7433	1797.3101	77.8959	76.6703	0.0000	0.0000	0.0000	0.0000	1.0000	425	0	425	12.6708
77	1.34	18.7785	30.7601	924.4149	79.2361	76.7122	0.0000	0.0000	0.0000	0.0000	1.0000	218	0	218	12.7249
78	1.36	19.1588	30.7661	59.1229	80.5768	76.7273	0.0000	0.0000	0.0000	0.0000	1.0000	14	0	14	12.7750
79	1.38	19.5390	30.7616	-798.1727	81.9173	76.7159	0.0000	0.0000	0.0000	0.0000	1.0000	-189	0	-189	12.8213
80	1.4	19.9191	30.7465	-1647.0913	83.2573	76.6783	0.0000	0.0000	0.0000	0.0000	1.0000	-389	0	-389	12.8635
81	1.41	20.2989	30.7209	-2487.2644	84.5964	76.6146	0.0000	0.0000	0.0000	0.0000	1.0000	-588	0	-588	12.9018
82	1.43	20.6783	30.6851	-3318.3365	85.9339	76.5252	0.0000	0.0000	0.0000	0.0000	1.0000	-784	0	-784	12.9361
83	1.45	21.0571	30.6390	-4139.9649	87.2696	76.4104	0.0000	0.0000	0.0000	0.0000	1.0000	-978	0	-978	12.9664
84	1.47	21.4353	30.5829	-4951.8201	88.6029	76.2704	0.0000	0.0000	0.0000	0.0000	1.0000	-1170	0	-1170	12.9926
85	1.48	21.8126	30.5168	-5753.5859	89.9334	76.1055	0.0000	0.0000	0.0000	0.0000	1.0000	-1360	0	-1360	13.0149
86	1.5	22.1891	30.4409	-6544.9596	91.2606	75.9162	0.0000	0.0000	0.0000	0.0000	1.0000	-1547	0	-1547	13.0331
87	1.52	22.5645	30.3553	-7325.6523	92.5843	75.7026	0.0000	0.0000	0.0000	0.0000	1.0000	-1731	0	-1731	13.0472
88	1.54	22.9388	30.2600	-8095.3888	93.9038	75.4652	0.0000	0.0000	0.0000	0.0000	1.0000	-1913	0	-1913	13.0573

89	1.55	23.3118	30.1554	-8853.9080	95.2189	75.2042	0.0000	0.0000	0.0000	0.0000	1.0000	-2092	0	-2092	13.0634
90	1.57	23.6834	30.0415	-9600.9628	96.5291	74.9201	0.0000	0.0000	0.0000	0.0000	1.0000	-2269	0	-2269	13.0654
91	1.59	24.0535	29.9184	-10336.3203	97.8340	74.6132	0.0000	0.0000	0.0000	0.0000	1.0000	-2443	0	-2443	13.0634
92	1.61	24.4220	29.7863	-11059.7619	99.1332	74.2838	0.0000	0.0000	0.0000	0.0000	1.0000	-2613	0	-2613	13.0573
93	1.62	24.7888	29.6454	-11771.0832	100.4263	73.9323	0.0000	0.0000	0.0000	0.0000	1.0000	-2782	0	-2782	13.0472
94	1.64	25.1538	29.4957	-12470.0942	101.7130	73.5590	0.0000	0.0000	0.0000	0.0000	1.0000	-2947	0	-2947	13.0331
95	1.66	25.5168	29.3375	-13156.6193	102.9928	73.1645	0.0000	0.0000	0.0000	0.0000	1.0000	-3109	0	-3109	13.0149
96	1.68	25.8777	29.1709	-13830.4974	104.2654	72.7490	0.0000	0.0000	0.0000	0.0000	1.0000	-3268	0	-3268	12.9926
97	1.69	26.2365	28.9961	-14491.5814	105.5305	72.3130	0.0000	0.0000	0.0000	0.0000	1.0000	-3424	0	-3424	12.9664
98	1.71	26.5931	28.8132	-15139.7391	106.7876	71.8568	0.0000	0.0000	0.0000	0.0000	1.0000	-3578	0	-3578	12.9361
99	1.73	26.9473	28.6223	-15774.8521	108.0365	71.3809	0.0000	0.0000	0.0000	0.0000	1.0000	-3728	0	-3728	12.9018
100	1.75	27.2991	28.4237	-16396.8166	109.2768	70.8856	0.0000	0.0000	0.0000	0.0000	1.0000	-3875	0	-3875	12.8635
101	1.76	27.6484	28.2175	-17005.5427	110.5082	70.3713	0.0000	0.0000	0.0000	0.0000	1.0000	-4018	0	-4018	12.8213
102	1.78	27.9950	28.0039	-17600.9549	111.7303	69.8385	0.0000	0.0000	0.0000	0.0000	1.0000	-4159	0	-4159	12.7750
103	1.8	28.3389	27.7830	-18182.9913	112.9429	69.2876	0.0000	0.0000	0.0000	0.0000	1.0000	-4297	0	-4297	12.7249
104	1.82	28.6801	27.5550	-18751.6041	114.1455	68.7190	0.0000	0.0000	0.0000	0.0000	1.0000	-4431	0	-4431	12.6708
105	1.83	29.0183	27.3200	-19306.7592	115.3380	68.1331	0.0000	0.0000	0.0000	0.0000	1.0000	-4562	0	-4562	12.6128
106	1.85	29.3536	27.0783	-19848.4357	116.5201	67.5303	0.0000	0.0000	0.0000	0.0000	1.0000	-4690	0	-4690	12.5509
107	1.87	29.6858	26.8300	-20376.6266	117.6914	66.9110	0.0000	0.0000	0.0000	0.0000	1.0000	-4815	0	-4815	12.4851
108	1.88	30.0149	26.5752	-20891.3375	118.8516	66.2757	0.0000	0.0000	0.0000	0.0000	1.0000	-4937	0	-4937	12.4155
109	1.9	30.3408	26.3142	-21392.5875	120.0006	65.6247	0.0000	0.0000	0.0000	0.0000	1.0000	-5055	0	-5055	12.3421
110	1.92	30.6634	26.0471	-21880.4081	121.1380	64.9585	0.0000	0.0000	0.0000	0.0000	1.0000	-5170	0	-5170	12.2648
111	1.94	30.9826	25.7740	-22354.8433	122.2635	64.2775	0.0000	0.0000	0.0000	0.0000	1.0000	-5283	0	-5283	12.1838
112	1.95	31.2984	25.4952	-22815.9497	123.3770	63.5821	0.0000	0.0000	0.0000	0.0000	1.0000	-5391	0	-5391	12.0991
113	1.97	31.6108	25.2107	-23263.7955	124.4782	62.8727	0.0000	0.0000	0.0000	0.0000	1.0000	-5497	0	-5497	12.0106
114	1.99	31.9196	24.9208	-23698.4608	125.5669	62.1497	0.0000	0.0000	0.0000	0.0000	1.0000	-5600	0	-5600	11.9185
115	2.01	32.2247	24.6256	-24120.0373	126.6427	61.4135	0.0000	0.0000	0.0000	0.0000	1.0000	-5700	0	-5700	11.8227
116	2.02	32.5262	24.3253	-24528.6275	127.7056	60.6646	0.0000	0.0000	0.0000	0.0000	1.0000	-5796	0	-5796	11.7233
117	2.04	32.8239	24.0200	-24924.3451	128.7553	59.9033	0.0000	0.0000	0.0000	0.0000	1.0000	-5890	0	-5890	11.6203
118	2.06	33.1178	23.7099	-25307.3140	129.7916	59.1299	0.0000	0.0000	0.0000	0.0000	1.0000	-5980	0	-5980	11.5137
119	2.08	33.4079	23.3952	-25677.6683	130.8142	58.3450	0.0000	0.0000	0.0000	0.0000	1.0000	-6068	0	-6068	11.4037

120	2.09	33.6940	23.0760	-26035.5521	131.8231	57.5489	0.0000	0.0000	0.0000	0.0000	1.0000	-6152	0	-6152	11.2901
121	2.11	33.9762	22.7524	-26381.1189	132.8179	56.7419	0.0000	0.0000	0.0000	0.0000	1.0000	-6234	0	-6234	11.1731
122	2.13	34.2544	22.4246	-26714.5312	133.7986	55.9245	0.0000	0.0000	0.0000	0.0000	1.0000	-6313	0	-6313	11.0528
123	2.15	34.5285	22.0928	-27035.9602	134.7650	55.0971	0.0000	0.0000	0.0000	0.0000	1.0000	-6389	0	-6389	10.9290
124	2.16	34.7985	21.7571	-27345.5857	135.7169	54.2599	0.0000	0.0000	0.0000	0.0000	1.0000	-6462	0	-6462	10.8020
125	2.18	35.0643	21.4177	-27643.5951	136.6540	53.4133	0.0000	0.0000	0.0000	0.0000	1.0000	-6532	0	-6532	10.6717
126	2.2	35.3259	21.0746	-27930.1835	137.5764	52.5578	0.0000	0.0000	0.0000	0.0000	1.0000	-6600	0	-6600	10.5381
127	2.22	35.5833	20.7281	-28205.5532	138.4838	51.6935	0.0000	0.0000	0.0000	0.0000	1.0000	-6665	0	-6665	10.4014
128	2.23	35.8363	20.3782	-28469.9131	139.3760	50.8210	0.0000	0.0000	0.0000	0.0000	1.0000	-6728	0	-6728	10.2615
129	2.25	36.0851	20.0252	-28723.4784	140.2531	49.9406	0.0000	0.0000	0.0000	0.0000	1.0000	-6787	0	-6787	10.1185
130	2.27	36.3295	19.6691	-28966.4704	141.1147	49.0524	0.0000	0.0000	0.0000	0.0000	1.0000	-6845	0	-6845	9.9725
131	2.29	36.5695	19.3100	-29199.1155	141.9608	48.1570	0.0000	0.0000	0.0000	0.0000	1.0000	-6900	0	-6900	9.8234
132	2.3	36.8050	18.9481	-29421.6454	142.7913	47.2545	0.0000	0.0000	0.0000	0.0000	1.0000	-6952	0	-6952	9.6714
133	2.32	37.0361	18.5836	-29634.2961	143.6060	46.3454	0.0000	0.0000	0.0000	0.0000	1.0000	-7003	0	-7003	9.5166
134	2.34	37.2627	18.2165	-29837.3080	144.4049	45.4298	0.0000	0.0000	0.0000	0.0000	1.0000	-7051	0	-7051	9.3588
135	2.36	37.4848	17.8469	-30030.9250	145.1878	44.5082	0.0000	0.0000	0.0000	0.0000	1.0000	-7096	0	-7096	9.1983
136	2.37	37.7023	17.4750	-30215.3943	145.9546	43.5807	0.0000	0.0000	0.0000	0.0000	1.0000	-7140	0	-7140	9.0350
137	2.39	37.9152	17.1009	-30390.9658	146.7053	42.6477	0.0000	0.0000	0.0000	0.0000	1.0000	-7182	0	-7182	8.8690
138	2.41	38.1235	16.7246	-30557.8920	147.4397	41.7094	0.0000	0.0000	0.0000	0.0000	1.0000	-7221	0	-7221	8.7003
139	2.43	38.3271	16.3464	-30716.4268	148.1578	40.7661	0.0000	0.0000	0.0000	0.0000	1.0000	-7258	0	-7258	8.5291
140	2.44	38.5262	15.9662	-30866.8261	148.8594	39.8180	0.0000	0.0000	0.0000	0.0000	1.0000	-7294	0	-7294	8.3553
141	2.46	38.7205	15.5843	-31009.3465	149.5446	38.8654	0.0000	0.0000	0.0000	0.0000	1.0000	-7328	0	-7328	8.1790
142	2.48	38.9101	15.2006	-31144.2450	150.2131	37.9086	0.0000	0.0000	0.0000	0.0000	1.0000	-7360	0	-7360	8.0003
143	2.5	39.0950	14.8153	-31271.7791	150.8650	36.9477	0.0000	0.0000	0.0000	0.0000	1.0000	-7390	0	-7390	7.8193
144	2.51	39.2752	14.4285	-31392.2055	151.5001	35.9830	0.0000	0.0000	0.0000	0.0000	1.0000	-7418	0	-7418	7.6359
145	2.53	39.4505	14.0402	-31505.7805	152.1185	35.0148	0.0000	0.0000	0.0000	0.0000	1.0000	-7445	0	-7445	7.4502
146	2.55	39.6211	13.6506	-31612.7590	152.7200	34.0431	0.0000	0.0000	0.0000	0.0000	1.0000	-7470	0	-7470	7.2624
147	2.57	39.7870	13.2597	-31713.3943	153.3046	33.0682	0.0000	0.0000	0.0000	0.0000	1.0000	-7494	0	-7494	7.0724
148	2.58	39.9480	12.8676	-31807.9375	153.8722	32.0903	0.0000	0.0000	0.0000	0.0000	1.0000	-7516	0	-7516	6.8803
149	2.6	40.1041	12.4743	-31896.6375	154.4228	31.1096	0.0000	0.0000	0.0000	0.0000	1.0000	-7537	0	-7537	6.6862
150	2.62	40.2555	12.0800	-31979.7400	154.9563	30.1262	0.0000	0.0000	0.0000	0.0000	1.0000	-7557	0	-7557	6.4901

151	2.64	40.4019	11.6847	-32057.4875	155.4727	29.1404	0.0000	0.0000	0.0000	0.0000	1.0000	-7575	0	-7575	6.2921
152	2.65	40.5435	11.2885	-32130.1189	155.9720	28.1523	0.0000	0.0000	0.0000	0.0000	1.0000	-7592	0	-7592	6.0923
153	2.67	40.6803	10.8914	-32197.8687	156.4540	27.1620	0.0000	0.0000	0.0000	0.0000	1.0000	-7608	0	-7608	5.8907
154	2.69	40.8121	10.4935	-32260.9673	156.9188	26.1697	0.0000	0.0000	0.0000	0.0000	1.0000	-7623	0	-7623	5.6873
155	2.71	40.9390	10.0949	-32319.6400	157.3663	25.1755	0.0000	0.0000	0.0000	0.0000	1.0000	-7637	0	-7637	5.4823
156	2.72	41.0610	9.6955	-32374.1067	157.7966	24.1795	0.0000	0.0000	0.0000	0.0000	1.0000	-7650	0	-7650	5.2757
157	2.74	41.1782	9.2955	-32424.5821	158.2094	23.1820	0.0000	0.0000	0.0000	0.0000	1.0000	-7662	0	-7662	5.0676
158	2.76	41.2903	8.8949	-32471.2748	158.6049	22.1829	0.0000	0.0000	0.0000	0.0000	1.0000	-7673	0	-7673	4.8579
159	2.78	41.3976	8.4938	-32514.3869	158.9830	21.1825	0.0000	0.0000	0.0000	0.0000	1.0000	-7683	0	-7683	4.6469
160	2.79	41.4999	8.0921	-32554.1143	159.3437	20.1808	0.0000	0.0000	0.0000	0.0000	1.0000	-7693	0	-7693	4.4344
161	2.81	41.5972	7.6900	-32590.6457	159.6869	19.1780	0.0000	0.0000	0.0000	0.0000	1.0000	-7701	0	-7701	4.2207
162	2.83	41.6896	7.2874	-32624.1627	160.0126	18.1740	0.0000	0.0000	0.0000	0.0000	1.0000	-7709	0	-7709	4.0058
163	2.84	41.7770	6.8845	-32654.8393	160.3208	17.1691	0.0000	0.0000	0.0000	0.0000	1.0000	-7716	0	-7716	3.7897
164	2.86	41.8595	6.4811	-32682.8419	160.6115	16.1632	0.0000	0.0000	0.0000	0.0000	1.0000	-7723	0	-7723	3.5725
165	2.88	41.9370	6.0775	-32708.3288	160.8847	15.1566	0.0000	0.0000	0.0000	0.0000	1.0000	-7729	0	-7729	3.3543
166	2.9	42.0095	5.6735	-32731.4497	161.1404	14.1492	0.0000	0.0000	0.0000	0.0000	1.0000	-7735	0	-7735	3.1351
167	2.91	42.0770	5.2693	-32752.3462	161.3784	13.1411	0.0000	0.0000	0.0000	0.0000	1.0000	-7740	0	-7740	2.9149
168	2.93	42.1395	4.8648	-32771.1510	161.5989	12.1324	0.0000	0.0000	0.0000	0.0000	1.0000	-7744	0	-7744	2.6940
169	2.95	42.1971	4.4602	-32787.9876	161.8018	11.1231	0.0000	0.0000	0.0000	0.0000	1.0000	-7748	0	-7748	2.4722
170	2.97	42.2496	4.0553	-32802.9706	161.9871	10.1134	0.0000	0.0000	0.0000	0.0000	1.0000	-7751	0	-7751	2.2498
171	2.98	42.2972	3.6502	-32816.2053	162.1547	9.1032	0.0000	0.0000	0.0000	0.0000	1.0000	-7755	0	-7755	2.0266
172	3	42.3397	3.2450	-32827.7871	162.3048	8.0927	0.0000	0.0000	0.0000	0.0000	1.0000	-7757	0	-7757	1.8029
173	3.02	42.3773	2.8397	-32837.8022	162.4372	7.0818	0.0000	0.0000	0.0000	0.0000	1.0000	-7760	0	-7760	1.5787
174	3.04	42.4098	2.4342	-32846.3268	162.5519	6.0706	0.0000	0.0000	0.0000	0.0000	1.0000	-7762	0	-7762	1.3540
175	3.05	42.4374	2.0286	-32853.4271	162.6490	5.0592	0.0000	0.0000	0.0000	0.0000	1.0000	-7763	0	-7763	1.1290
176	3.07	42.4599	1.6230	-32859.1594	162.7285	4.0476	0.0000	0.0000	0.0000	0.0000	1.0000	-7765	0	-7765	0.9036
177	3.09	42.4775	1.2173	-32863.5698	162.7903	3.0358	0.0000	0.0000	0.0000	0.0000	1.0000	-7766	0	-7766	0.6779
178	3.11	42.4900	0.8116	-32866.6944	162.8345	2.0240	0.0000	0.0000	0.0000	0.0000	1.0000	-7767	0	-7767	0.4520
179	3.12	42.4975	0.4058	-32868.5589	162.8610	1.0120	0.0000	0.0000	0.0000	0.0000	1.0000	-7767	0	-7767	0.2261
180	3.14	42.5000	0.0000	-32869.1786	162.8698	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	-7767	0	-7767	0.0000
181	3.16	42.4975	-0.4058	-32868.5589	162.8610	-1.0120	0.0000	0.0000	0.0000	0.0000	1.0001	-7767	0	-7767	-0.2261

182	3.18	42.4900	-0.8116	-32866.6944	162.8345	-2.0240	0.0000	0.0000	0.0000	0.0000	1.0003	-7767	0	-7767	-0.4520
183	3.19	42.4775	-1.2173	-32863.5698	162.7903	-3.0358	0.0000	0.0000	0.0000	0.0000	1.0007	-7766	0	-7766	-0.6779
184	3.21	42.4599	-1.6230	-32859.1594	162.7285	-4.0476	0.0000	0.0000	0.0000	0.0000	1.0012	-7765	0	-7765	-0.9036
185	3.23	42.4374	-2.0286	-32853.4271	162.6490	-5.0592	0.0000	0.0000	0.0000	0.0000	1.0018	-7763	-1	-7764	-1.1290
186	3.25	42.4098	-2.4342	-32846.3268	162.5519	-6.0706	0.0000	0.0000	0.0000	0.0000	1.0026	-7762	-1	-7763	-1.3540
187	3.26	42.3773	-2.8397	-32837.8022	162.4372	-7.0818	0.0000	0.0000	0.0000	0.0000	1.0036	-7760	-1	-7761	-1.5787
188	3.28	42.3397	-3.2450	-32827.7871	162.3048	-8.0927	0.0000	0.0000	0.0000	0.0000	1.0047	-7757	-2	-7759	-1.8029
189	3.3	42.2972	-3.6502	-32816.2053	162.1547	-9.1032	0.0000	0.0000	0.0000	0.0000	1.0060	-7755	-2	-7757	-2.0266
190	3.32	42.2496	-4.0553	-32802.9706	161.9871	-10.1134	0.0000	0.0000	0.0000	0.0000	1.0074	-7751	-3	-7754	-2.2498
191	3.33	42.1971	-4.4602	-32787.9876	161.8018	-11.1231	0.0000	0.0000	0.0000	0.0000	1.0089	-7748	-3	-7751	-2.4722
192	3.35	42.1395	-4.8648	-32771.1510	161.5989	-12.1324	0.0000	0.0000	0.0000	0.0000	1.0106	-7744	-4	-7748	-2.6940
193	3.37	42.0770	-5.2693	-32752.3462	161.3784	-13.1411	0.0000	0.0000	0.0000	0.0000	1.0125	-7740	-4	-7744	-2.9149
194	3.39	42.0095	-5.6735	-32731.4497	161.1404	-14.1492	0.0000	0.0000	0.0000	0.0000	1.0145	-7735	-5	-7740	-3.1351
195	3.4	41.9370	-6.0775	-32708.3288	160.8847	-15.1566	0.0000	0.0000	0.0000	0.0000	1.0167	-7729	-6	-7735	-3.3543
196	3.42	41.8595	-6.4811	-32682.8419	160.6115	-16.1632	0.0000	0.0000	0.0000	0.0000	1.0190	-7723	-7	-7730	-3.5725
197	3.44	41.7770	-6.8845	-32654.8393	160.3208	-17.1691	0.0000	0.0000	0.0000	0.0000	1.0215	-7716	-8	-7724	-3.7897
198	3.46	41.6896	-7.2874	-32624.1627	160.0126	-18.1740	0.0000	0.0000	0.0000	0.0000	1.0242	-7709	-9	-7718	-4.0058
199	3.47	41.5972	-7.6900	-32590.6457	159.6869	-19.1780	0.0000	0.0000	0.0000	0.0000	1.0270	-7701	-10	-7711	-4.2207
200	3.49	41.4999	-8.0921	-32554.1143	159.3437	-20.1808	0.0000	0.0000	0.0000	0.0000	1.0300	-7693	-11	-7703	-4.4344
201	3.51	41.3976	-8.4938	-32514.3869	158.9830	-21.1825	0.0000	0.0000	0.0000	0.0000	1.0331	-7683	-12	-7695	-4.6469
202	3.53	41.2903	-8.8949	-32471.2748	158.6049	-22.1829	0.0000	0.0000	0.0000	0.0000	1.0365	-7673	-13	-7686	-4.8579
203	3.54	41.1782	-9.2955	-32424.5821	158.2094	-23.1820	0.0000	0.0000	0.0000	0.0000	1.0400	-7662	-14	-7676	-5.0676
204	3.56	41.0610	-9.6955	-32374.1067	157.7966	-24.1795	0.0000	0.0000	0.0000	0.0000	1.0436	-7650	-15	-7666	-5.2757
205	3.58	40.9390	-10.0949	-32319.6400	157.3663	-25.1755	0.0000	0.0000	0.0000	0.0000	1.0475	-7637	-17	-7654	-5.4823
206	3.6	40.8121	-10.4935	-32260.9673	156.9188	-26.1697	0.0000	0.0000	0.0000	0.0000	1.0515	-7623	-18	-7642	-5.6873
207	3.61	40.6803	-10.8914	-32197.8687	156.4540	-27.1620	0.0000	0.0000	0.0000	0.0000	1.0558	-7608	-20	-7628	-5.8907
208	3.63	40.5435	-11.2885	-32130.1189	155.9720	-28.1523	0.0000	0.0000	0.0000	0.0000	1.0602	-7592	-21	-7614	-6.0923
209	3.65	40.4019	-11.6847	-32057.4875	155.4727	-29.1404	0.0000	0.0000	0.0000	0.0000	1.0648	-7575	-23	-7598	-6.2921
210	3.67	40.2555	-12.0800	-31979.7400	154.9563	-30.1262	0.0000	0.0000	0.0000	0.0000	1.0696	-7557	-25	-7581	-6.4901
211	3.68	40.1041	-12.4743	-31896.6375	154.4228	-31.1096	0.0000	0.0000	0.0000	0.0000	1.0745	-7537	-26	-7564	-6.6862
212	3.7	39.9480	-12.8676	-31807.9375	153.8722	-32.0903	0.0000	0.0000	0.0000	0.0000	1.0797	-7516	-28	-7544	-6.8803

213	3.72	39.7870	-13.2597	-31713.3943	153.3046	-33.0682	0.0000	0.0000	0.0000	0.0000	1.0851	-7494	-30	-7524	-7.0724
214	3.74	39.6211	-13.6506	-31612.7590	152.7200	-34.0431	0.0000	0.0000	0.0000	0.0000	1.0908	-7470	-32	-7502	-7.2624
215	3.75	39.4505	-14.0402	-31505.7805	152.1185	-35.0148	0.0000	0.0000	0.0000	0.0000	1.0966	-7445	-34	-7479	-7.4502
216	3.77	39.2752	-14.4285	-31392.2055	151.5001	-35.9830	0.0000	0.0000	0.0000	0.0000	1.1026	-7418	-36	-7454	-7.6359
217	3.79	39.0950	-14.8153	-31271.7791	150.8650	-36.9477	0.0000	0.0000	0.0000	0.0000	1.1089	-7390	-38	-7428	-7.8193
218	3.8	38.9101	-15.2006	-31144.2450	150.2131	-37.9086	0.0000	0.0000	0.0000	0.0000	1.1154	-7360	-41	-7400	-8.0003
219	3.82	38.7205	-15.5843	-31009.3465	149.5446	-38.8654	0.0000	0.0000	0.0000	0.0000	1.1221	-7328	-43	-7371	-8.1790
220	3.84	38.5262	-15.9662	-30866.8261	148.8594	-39.8180	0.0000	0.0000	0.0000	0.0000	1.1291	-7294	-46	-7339	-8.3553
221	3.86	38.3271	-16.3464	-30716.4268	148.1578	-40.7661	0.0000	0.0000	0.0000	0.0000	1.1363	-7258	-48	-7306	-8.5291
222	3.87	38.1235	-16.7246	-30557.8920	147.4397	-41.7094	0.0000	0.0000	0.0000	0.0000	1.1438	-7221	-51	-7272	-8.7003
223	3.89	37.9152	-17.1009	-30390.9658	146.7053	-42.6477	0.0000	0.0000	0.0000	0.0000	1.1516	-7182	-53	-7235	-8.8690
224	3.91	37.7023	-17.4750	-30215.3943	145.9546	-43.5807	0.0000	0.0000	0.0000	0.0000	1.1596	-7140	-56	-7196	-9.0350
225	3.93	37.4848	-17.8469	-30030.9250	145.1878	-44.5082	0.0000	0.0000	0.0000	0.0000	1.1678	-7096	-59	-7156	-9.1983
226	3.94	37.2627	-18.2165	-29837.3080	144.4049	-45.4298	0.0000	0.0000	0.0000	0.0000	1.1764	-7051	-62	-7113	-9.3588
227	3.96	37.0361	-18.5836	-29634.2961	143.6060	-46.3454	0.0000	0.0000	0.0000	0.0000	1.1852	-7003	-65	-7068	-9.5166
228	3.98	36.8050	-18.9481	-29421.6454	142.7913	-47.2545	0.0000	0.0000	0.0000	0.0000	1.1944	-6952	-69	-7021	-9.6714
229	4	36.5695	-19.3100	-29199.1155	141.9608	-48.1570	0.0000	0.0000	0.0000	0.0000	1.2038	-6900	-72	-6972	-9.8234
230	4.01	36.3295	-19.6691	-28966.4704	141.1147	-49.0524	0.0000	0.0000	0.0000	0.0000	1.2136	-6845	-75	-6920	-9.9725
231	4.03	36.0851	-20.0252	-28723.4784	140.2531	-49.9406	0.0000	0.0000	0.0000	0.0000	1.2236	-6787	-79	-6866	-10.1185
232	4.05	35.8363	-20.3782	-28469.9131	139.3760	-50.8210	0.0000	0.0000	0.0000	0.0000	1.2340	-6728	-83	-6810	-10.2615
233	4.07	35.5833	-20.7281	-28205.5532	138.4838	-51.6935	0.0000	0.0000	0.0000	0.0000	1.2448	-6665	-86	-6751	-10.4014
234	4.08	35.3259	-21.0746	-27930.1835	137.5764	-52.5578	0.0000	0.0000	0.0000	0.0000	1.2559	-6600	-90	-6690	-10.5381
235	4.1	35.0643	-21.4177	-27643.5951	136.6540	-53.4133	0.0000	0.0000	0.0000	0.0000	1.2673	-6532	-94	-6627	-10.6717
236	4.12	34.7985	-21.7571	-27345.5857	135.7169	-54.2599	0.0000	0.0000	0.0000	0.0000	1.2792	-6462	-98	-6560	-10.8020
237	4.14	34.5285	-22.0928	-27035.9602	134.7650	-55.0971	0.0000	0.0000	0.0000	0.0000	1.2914	-6389	-103	-6491	-10.9290
238	4.15	34.2544	-22.4246	-26714.5312	133.7986	-55.9245	0.0000	0.0000	0.0000	0.0000	1.3040	-6313	-107	-6420	-11.0528
239	4.17	33.9762	-22.7524	-26381.1189	132.8179	-56.7419	0.0000	0.0000	0.0000	0.0000	1.3170	-6234	-112	-6346	-11.1731
240	4.19	33.6940	-23.0760	-26035.5521	131.8231	-57.5489	0.0000	0.0000	0.0000	0.0000	1.3304	-6152	-117	-6269	-11.2901
241	4.21	33.4079	-23.3952	-25677.6683	130.8142	-58.3450	0.0000	0.0000	0.0000	0.0000	1.3443	-6068	-121	-6189	-11.4037
242	4.22	33.1178	-23.7099	-25307.3140	129.7916	-59.1299	0.0000	0.0000	0.0000	0.0000	1.3586	-5980	-126	-6107	-11.5137
243	4.24	32.8239	-24.0200	-24924.3451	128.7553	-59.9033	0.0000	0.0000	0.0000	0.0000	1.3734	-5890	-132	-6021	-11.6203

244	4.26	32.5262	-24.3253	-24528.6275	127.7056	-60.6646	0.0000	0.0000	0.0000	0.0000	1.3887	-5796	-137	-5933	-11.7233
245	4.28	32.2247	-24.6256	-24120.0373	126.6427	-61.4135	0.0000	0.0000	0.0000	0.0000	1.4044	-5700	-143	-5842	-11.8227
246	4.29	31.9196	-24.9208	-23698.4608	125.5669	-62.1497	0.0000	0.0000	0.0000	0.0000	1.4207	-5600	-148	-5748	-11.9185
247	4.31	31.6108	-25.2107	-23263.7955	124.4782	-62.8727	0.0000	0.0000	0.0000	0.0000	1.4375	-5497	-154	-5652	-12.0106
248	4.33	31.2984	-25.4952	-22815.9497	123.3770	-63.5821	0.0000	0.0000	0.0000	0.0000	1.4549	-5391	-160	-5552	-12.0991
249	4.35	30.9826	-25.7740	-22354.8433	122.2635	-64.2775	0.0000	0.0000	0.0000	0.0000	1.4728	-5283	-167	-5449	-12.1838
250	4.36	30.6634	-26.0471	-21880.4081	121.1380	-64.9585	0.0000	0.0000	0.0000	0.0000	1.4913	-5170	-173	-5344	-12.2648
251	4.38	30.3408	-26.3142	-21392.5875	120.0006	-65.6247	0.0000	0.0000	0.0000	0.0000	1.5104	-5055	-180	-5235	-12.3421
252	4.4	30.0149	-26.5752	-20891.3375	118.8516	-66.2757	0.0000	0.0000	0.0000	0.0000	1.5301	-4937	-187	-5124	-12.4155
253	4.42	29.6858	-26.8300	-20376.6266	117.6914	-66.9110	0.0000	0.0000	0.0000	0.0000	1.5505	-4815	-194	-5009	-12.4851
254	4.43	29.3536	-27.0783	-19848.4357	116.5201	-67.5303	0.0000	0.0000	0.0000	0.0000	1.5716	-4690	-202	-4892	-12.5509
255	4.45	29.0183	-27.3200	-19306.7592	115.3380	-68.1331	0.0000	0.0000	0.0000	0.0000	1.5934	-4562	-209	-4771	-12.6128
256	4.47	28.6801	-27.5550	-18751.6041	114.1455	-68.7190	0.0000	0.0000	0.0000	0.0000	1.6159	-4431	-217	-4648	-12.6708
257	4.49	28.3389	-27.7830	-18182.9913	112.9429	-69.2876	0.0000	0.0000	0.0000	0.0000	1.6392	-4297	-225	-4522	-12.7249
258	4.5	27.9950	-28.0039	-17600.9549	111.7303	-69.8385	0.0000	0.0000	0.0000	0.0000	1.6632	-4159	-234	-4393	-12.7750
259	4.52	27.6484	-28.2175	-17005.5427	110.5082	-70.3713	0.0000	0.0000	0.0000	0.0000	1.6881	-4018	-243	-4261	-12.8213
260	4.54	27.2991	-28.4237	-16396.8166	109.2768	-70.8856	0.0000	0.0000	0.0000	0.0000	1.7138	-3875	-252	-4126	-12.8635
261	4.56	26.9473	-28.6223	-15774.8521	108.0365	-71.3809	0.0000	0.0000	0.0000	0.0000	1.7405	-3728	-261	-3989	-12.9018
262	4.57	26.5931	-28.8132	-15139.7391	106.7876	-71.8568	0.0000	0.0000	0.0000	0.0000	1.7680	-3578	-271	-3848	-12.9361
263	4.59	26.2365	-28.9961	-14491.5814	105.5305	-72.3130	0.0000	0.0000	0.0000	0.0000	1.7965	-3424	-281	-3705	-12.9664
264	4.61	25.8777	-29.1709	-13830.4974	104.2654	-72.7490	0.0000	0.0000	0.0000	0.0000	1.8260	-3268	-291	-3559	-12.9926
265	4.63	25.5168	-29.3375	-13156.6193	102.9928	-73.1645	0.0000	0.0000	0.0000	0.0000	1.8565	-3109	-302	-3411	-13.0149
266	4.64	25.1538	-29.4957	-12470.0942	101.7130	-73.5590	0.0000	0.0000	0.0000	0.0000	1.8881	-2947	-313	-3260	-13.0331
267	4.66	24.7888	-29.6454	-11771.0832	100.4263	-73.9323	0.0000	0.0000	0.0000	0.0000	1.9208	-2782	-325	-3106	-13.0472
268	4.68	24.4220	-29.7863	-11059.7619	99.1332	-74.2838	0.0000	0.0000	0.0000	0.0000	1.9547	-2613	-337	-2950	-13.0573
269	4.69	24.0535	-29.9184	-10336.3203	97.8340	-74.6132	0.0000	0.0000	0.0000	0.0000	1.9899	-2443	-349	-2792	-13.0634
270	4.71	23.6834	-30.0415	-9600.9628	96.5291	-74.9201	0.0000	0.0000	0.0000	0.0000	2.0263	-2269	-362	-2631	-13.0654
271	4.73	23.3118	-30.1554	-8853.9080	95.2189	-75.2042	0.0000	0.0000	0.0000	0.0000	2.0640	-2092	-375	-2467	-13.0634
272	4.75	22.9388	-30.2600	-8095.3888	93.9038	-75.4652	0.0000	0.0000	0.0000	0.0000	2.1031	-1913	-389	-2302	-13.0573
273	4.76	22.5645	-30.3553	-7325.6523	92.5843	-75.7026	0.0000	0.0000	0.0000	0.0000	2.1437	-1731	-403	-2134	-13.0472
274	4.78	22.1891	-30.4409	-6544.9596	91.2606	-75.9162	0.0000	0.0000	0.0000	0.0000	2.1858	-1547	-418	-1965	-13.0331

275	4.8	21.8126	-30.5168	-5753.5859	89.9334	-76.1055	0.0000	0.0000	0.0000	0.0000	2.2294	-1360	-433	-1793	-13.0149
276	4.82	21.4353	-30.5829	-4951.8201	88.6029	-76.2704	0.0000	0.0000	0.0000	0.0000	2.2747	-1170	-449	-1620	-12.9926
277	4.83	21.0571	-30.6390	-4139.9649	87.2696	-76.4104	0.0000	0.0000	0.0000	0.0000	2.3218	-978	-466	-1444	-12.9664
278	4.85	20.6783	-30.6851	-3318.3365	85.9339	-76.5252	0.0000	0.0000	0.0000	0.0000	2.3706	-784	-483	-1267	-12.9361
279	4.87	20.2989	-30.7209	-2487.2644	84.5964	-76.6146	0.0000	0.0000	0.0000	0.0000	2.4214	-588	-501	-1089	-12.9018
280	4.89	19.9191	-30.7465	-1647.0913	83.2573	-76.6783	0.0000	0.0000	0.0000	0.0000	2.4741	-389	-520	-909	-12.8635
281	4.9	19.5390	-30.7616	-798.1727	81.9173	-76.7159	0.0000	0.0000	0.0000	0.0000	2.5289	-189	-539	-728	-12.8213
282	4.92	19.1588	-30.7661	59.1229	80.5768	-76.7273	0.0000	0.0000	0.0000	0.0000	2.5858	14	-559	-545	-12.7750
283	4.94	18.7785	-30.7601	924.4149	79.2361	-76.7122	0.0000	0.0000	0.0000	0.0000	2.6451	218	-580	-362	-12.7249
284	4.96	18.3984	-30.7433	1797.3101	77.8959	-76.6703	0.0000	0.0000	0.0000	0.0000	2.7067	425	-602	-177	-12.6708
285	4.97	18.0185	-30.7157	2677.4037	76.5565	-76.6015	0.0000	0.0000	0.0000	0.0000	2.7708	633	-624	8	-12.6128
286	4.99	17.6390	-30.6771	3564.2792	75.2185	-76.5054	0.0000	0.0000	0.0000	0.0000	2.8376	842	-648	194	-12.5509
287	5.01	17.2600	-30.6276	4457.5087	73.8823	-76.3819	0.0000	0.0000	0.0000	0.0000	2.9071	1053	-672	381	-12.4851
288	5.03	16.8817	-30.5671	5356.6534	72.5484	-76.2308	0.0000	0.0000	0.0000	0.0000	2.9795	1266	-698	568	-12.4155
289	5.04	16.5041	-30.4953	6261.2636	71.2174	-76.0520	0.0000	0.0000	0.0000	0.0000	3.0549	1480	-724	755	-12.3421
290	5.06	16.1275	-30.4124	7170.8796	69.8896	-75.8452	0.0000	0.0000	0.0000	0.0000	3.1335	1695	-752	942	-12.2648
291	5.08	15.7520	-30.3183	8085.0317	68.5656	-75.6104	0.0000	0.0000	0.0000	0.0000	3.2154	1911	-781	1129	-12.1838
292	5.1	15.3777	-30.2128	9003.2403	67.2459	-75.3473	0.0000	0.0000	0.0000	0.0000	3.3009	2128	-811	1316	-12.0991
293	5.11	15.0047	-30.0960	9925.0171	65.9310	-75.0560	0.0000	0.0000	0.0000	0.0000	3.3901	2345	-843	1503	-12.0106
294	5.13	14.6333	-29.9677	10849.8647	64.6214	-74.7361	0.0000	0.0000	0.0000	0.0000	3.4832	2564	-875	1688	-11.9185
295	5.15	14.2634	-29.8280	11777.2774	63.3175	-74.3878	0.0000	0.0000	0.0000	0.0000	3.5804	2783	-910	1873	-11.8227
296	5.17	13.8954	-29.6769	12706.7417	62.0200	-74.0109	0.0000	0.0000	0.0000	0.0000	3.6819	3003	-946	2057	-11.7233
297	5.18	13.5293	-29.5143	13637.7364	60.7293	-73.6054	0.0000	0.0000	0.0000	0.0000	3.7879	3223	-983	2240	-11.6203
298	5.2	13.1653	-29.3402	14569.7334	59.4458	-73.1711	0.0000	0.0000	0.0000	0.0000	3.8987	3443	-1022	2421	-11.5137
299	5.22	12.8035	-29.1545	15502.1980	58.1702	-72.7082	0.0000	0.0000	0.0000	0.0000	4.0146	3663	-1063	2600	-11.4037
300	5.24	12.4440	-28.9574	16434.5893	56.9030	-72.2165	0.0000	0.0000	0.0000	0.0000	4.1357	3884	-1106	2778	-11.2901
301	5.25	12.0871	-28.7488	17366.3609	55.6445	-71.6962	0.0000	0.0000	0.0000	0.0000	4.2625	4104	-1150	2953	-11.1731
302	5.27	11.7328	-28.5286	18296.9610	54.3954	-71.1472	0.0000	0.0000	0.0000	0.0000	4.3952	4324	-1197	3127	-11.0528
303	5.29	11.3813	-28.2970	19225.8335	53.1562	-70.5695	0.0000	0.0000	0.0000	0.0000	4.5341	4543	-1246	3297	-10.9290
304	5.31	11.0328	-28.0539	20152.4177	51.9273	-69.9633	0.0000	0.0000	0.0000	0.0000	4.6795	4762	-1297	3465	-10.8020
305	5.32	10.6873	-27.7994	21076.1497	50.7092	-69.3286	0.0000	0.0000	0.0000	0.0000	4.8319	4980	-1351	3629	-10.6717

306	5.34	10.3450	-27.5335	21996.4621	49.5025	-68.6655	0.0000	0.0000	0.0000	0.0000	4.9916	5198	-1407	3791	-10.5381
307	5.36	10.0061	-27.2563	22912.7851	48.3077	-67.9742	0.0000	0.0000	0.0000	0.0000	5.1590	5414	-1466	3948	-10.4014
308	5.38	9.6707	-26.9678	23824.5468	47.1252	-67.2547	0.0000	0.0000	0.0000	0.0000	5.3345	5630	-1528	4102	-10.2615
309	5.39	9.3390	-26.6681	24731.1736	45.9555	-66.5072	0.0000	0.0000	0.0000	0.0000	5.5186	5844	-1593	4251	-10.1185
310	5.41	9.0110	-26.3572	25632.0910	44.7992	-65.7318	0.0000	0.0000	0.0000	0.0000	5.7118	6057	-1661	4396	-9.9725
311	5.43	8.6870	-26.0352	26526.7240	43.6568	-64.9289	0.0000	0.0000	0.0000	0.0000	5.9145	6268	-1733	4536	-9.8234
312	5.45	8.3670	-25.7022	27414.4976	42.5286	-64.0985	0.0000	0.0000	0.0000	0.0000	6.1272	6478	-1808	4670	-9.6714
313	5.46	8.0512	-25.3583	28294.8375	41.4152	-63.2408	0.0000	0.0000	0.0000	0.0000	6.3507	6686	-1886	4800	-9.5166
314	5.48	7.7397	-25.0036	29167.1705	40.3171	-62.3562	0.0000	0.0000	0.0000	0.0000	6.5853	6892	-1969	4923	-9.3588
315	5.5	7.4327	-24.6382	30030.9250	39.2348	-61.4449	0.0000	0.0000	0.0000	0.0000	6.8317	7096	-2056	5040	-9.1983
316	5.52	7.1303	-24.2621	30885.5318	38.1686	-60.5071	0.0000	0.0000	0.0000	0.0000	7.0906	7298	-2147	5151	-9.0350
317	5.53	6.8326	-23.8756	31730.4245	37.1191	-59.5431	0.0000	0.0000	0.0000	0.0000	7.3625	7498	-2243	5255	-8.8690
318	5.55	6.5398	-23.4787	32565.0397	36.0867	-58.5533	0.0000	0.0000	0.0000	0.0000	7.6483	7695	-2344	5351	-8.7003
319	5.57	6.2520	-23.0716	33388.8184	35.0719	-57.5380	0.0000	0.0000	0.0000	0.0000	7.9486	7890	-2450	5440	-8.5291
320	5.59	5.9693	-22.6543	34201.2055	34.0752	-56.4974	0.0000	0.0000	0.0000	0.0000	8.2641	8082	-2561	5521	-8.3553
321	5.6	5.6918	-22.2272	35001.6513	33.0968	-55.4321	0.0000	0.0000	0.0000	0.0000	8.5955	8271	-2678	5593	-8.1790
322	5.62	5.4196	-21.7902	35789.6113	32.1374	-54.3422	0.0000	0.0000	0.0000	0.0000	8.9438	8457	-2801	5657	-8.0003
323	5.64	5.1530	-21.3435	36564.5471	31.1972	-53.2284	0.0000	0.0000	0.0000	0.0000	9.3095	8640	-2930	5711	-7.8193
324	5.65	4.8919	-20.8874	37325.9269	30.2768	-52.0908	0.0000	0.0000	0.0000	0.0000	9.6936	8820	-3065	5755	-7.6359
325	5.67	4.6366	-20.4219	38073.2259	29.3766	-50.9301	0.0000	0.0000	0.0000	0.0000	10.0968	8997	-3207	5790	-7.4502
326	5.69	4.3871	-19.9474	38805.9269	28.4968	-49.7465	0.0000	0.0000	0.0000	0.0000	10.5199	9170	-3356	5814	-7.2624
327	5.71	4.1435	-19.4638	39523.5210	27.6380	-48.5407	0.0000	0.0000	0.0000	0.0000	10.9636	9340	-3513	5827	-7.0724
328	5.72	3.9059	-18.9715	40225.5077	26.8005	-47.3129	0.0000	0.0000	0.0000	0.0000	11.4286	9505	-3677	5829	-6.8803
329	5.74	3.6745	-18.4707	40911.3955	25.9846	-46.0638	0.0000	0.0000	0.0000	0.0000	11.9156	9668	-3848	5819	-6.6862
330	5.76	3.4494	-17.9615	41580.7028	25.1909	-44.7939	0.0000	0.0000	0.0000	0.0000	12.4253	9826	-4028	5798	-6.4901
331	5.78	3.2306	-17.4441	42232.9578	24.4195	-43.5036	0.0000	0.0000	0.0000	0.0000	12.9581	9980	-4216	5764	-6.2921
332	5.79	3.0183	-16.9187	42867.6994	23.6709	-42.1935	0.0000	0.0000	0.0000	0.0000	13.5143	10130	-4412	5718	-6.0923
333	5.81	2.8125	-16.3857	43484.4775	22.9454	-40.8641	0.0000	0.0000	0.0000	0.0000	14.0944	10276	-4617	5659	-5.8907
334	5.83	2.6133	-15.8451	44082.8532	22.2433	-39.5160	0.0000	0.0000	0.0000	0.0000	14.6982	10417	-4830	5587	-5.6873
335	5.85	2.4209	-15.2973	44662.3998	21.5650	-38.1498	0.0000	0.0000	0.0000	0.0000	15.3258	10554	-5051	5503	-5.4823
336	5.86	2.2354	-14.7424	45222.7029	20.9107	-36.7660	0.0000	0.0000	0.0000	0.0000	15.9767	10686	-5280	5406	-5.2757

337	5.88	2.0567	-14.1808	45763.3605	20.2808	-35.3653	0.0000	0.0000	0.0000	0.0000	16.6502	10814	-5518	5296	-5.0676
338	5.9	1.8850	-13.6126	46283.9841	19.6755	-33.9482	0.0000	0.0000	0.0000	0.0000	17.3454	10937	-5763	5174	-4.8579
339	5.92	1.7204	-13.0380	46784.1986	19.0951	-32.5154	0.0000	0.0000	0.0000	0.0000	18.0609	11055	-6015	5040	-4.6469
340	5.93	1.5629	-12.4575	47263.6427	18.5399	-31.0675	0.0000	0.0000	0.0000	0.0000	18.7949	11169	-6274	4895	-4.4344
341	5.95	1.4127	-11.8711	47721.9696	18.0102	-29.6052	0.0000	0.0000	0.0000	0.0000	19.5450	11277	-6538	4739	-4.2207
342	5.97	1.2697	-11.2792	48158.8469	17.5061	-28.1292	0.0000	0.0000	0.0000	0.0000	20.3086	11380	-6808	4573	-4.0058
343	5.99	1.1341	-10.6821	48573.9572	17.0279	-26.6400	0.0000	0.0000	0.0000	0.0000	21.0822	11478	-7080	4398	-3.7897
344	6	1.0059	-10.0800	48966.9984	16.5759	-25.1383	0.0000	0.0000	0.0000	0.0000	21.8621	11571	-7355	4216	-3.5725
345	6.02	0.8851	-9.4731	49337.6842	16.1502	-23.6249	0.0000	0.0000	0.0000	41.5746	22.5877	11659	-7611	4048	-3.3543
346	6.04	0.7719	-8.8619	49685.7437	15.7510	-22.1005	0.0000	0.0072	3.5212	41.8717	23.3185	11741	-7869	3872	-3.1351
347	6.06	0.6663	-8.2464	50010.9227	15.3786	-20.5656	0.0003	0.0286	14.0808	43.2855	24.0740	11818	-8135	3683	-2.9149
348	6.07	0.5682	-7.6271	50312.9829	15.0330	-19.0212	0.0011	0.0644	31.6567	45.9162	24.8753	11889	-8418	3472	-2.6940
349	6.09	0.4779	-7.0042	50591.7030	14.7145	-17.4677	0.0027	0.1143	56.1920	49.8450	25.7453	11955	-8724	3231	-2.4722
350	6.11	0.3953	-6.3780	50846.8785	14.4232	-15.9061	0.0052	0.1781	87.5771	55.1257	26.7074	12015	-9064	2952	-2.2498
351	6.13	0.3204	-5.7488	51078.3218	14.1593	-14.3370	0.0090	0.2555	125.6337	61.7740	27.7856	12070	-9444	2626	-2.0266
352	6.14	0.2533	-5.1169	51285.8627	13.9228	-12.7611	0.0142	0.3460	170.0990	69.7593	29.0031	12119	-9873	2246	-1.8029
353	6.16	0.1941	-4.4826	51469.3486	13.7138	-11.1791	0.0211	0.4487	220.6111	78.9957	30.3819	12162	-10359	1803	-1.5787
354	6.18	0.1427	-3.8462	51628.6443	13.5325	-9.5920	0.0299	0.5628	276.6978	89.3358	31.9411	12200	-10909	1291	-1.3540
355	6.2	0.0991	-3.2079	51763.6324	13.3790	-8.0002	0.0408	0.6870	337.7667	100.5677	33.6963	12232	-11528	704	-1.1290
356	6.21	0.0635	-2.5682	51874.2132	13.2533	-6.4047	0.0539	0.8198	403.0997	112.4143	35.6583	12258	-12219	39	-0.9036
357	6.23	0.0357	-1.9272	51960.3053	13.1555	-4.8062	0.0695	0.9597	471.8519	124.5377	37.8319	12278	-12986	-707	-0.6779
358	6.25	0.0159	-1.2853	52021.8451	13.0855	-3.2054	0.0875	1.1045	543.0540	136.5483	40.2151	12293	-13826	-1533	-0.4520
359	6.27	0.0040	-0.6428	52058.7872	13.0436	-1.6031	0.1080	1.2521	615.6220	148.0173	42.7985	12302	-14737	-2435	-0.2261
360	6.28	0.0000	0.0000	52071.1043	13.0296	0.0000	0.1312	1.4000	688.3705	158.4940	45.5647	12305	-15712	-3407	0.0000
361	6.3	0.0040	0.6428	52058.7872	13.0436	1.6031	0.1569	1.5458	760.0335	167.5264	48.4886	12302	-16743	-4441	0.2261
362	6.32	0.0159	1.2853	52021.8451	13.0855	3.2054	0.1851	1.6867	829.2902	174.6827	51.5374	12293	-17818	-5525	0.4520
363	6.34	0.0357	1.9272	51960.3053	13.1555	4.8062	0.2157	1.8199	894.7956	179.5740	54.6716	12278	-18923	-6644	0.6779
364	6.35	0.0635	2.5682	51874.2132	13.2533	6.4047	0.2486	1.9428	955.2165	181.8752	57.8459	12258	-20042	-7784	0.9036
365	6.37	0.0991	3.2079	51763.6324	13.3790	8.0002	0.2835	2.0527	1009.2704	181.3435	61.0109	12232	-21158	-8926	1.1290
366	6.39	0.1427	3.8462	51628.6443	13.5325	9.5920	0.3201	2.1473	1055.7658	177.8319	64.1147	12200	-22252	-10052	1.3540
367	6.41	0.1941	4.4826	51469.3486	13.7138	11.1791	0.3583	2.2243	1093.6434	171.2986	67.1044	12162	-23306	-11144	1.5787

368	6.42	0.2533	5.1169	51285.8627	13.9228	12.7611	0.3977	2.2820	1122.0155	161.8088	69.9285	12119	-24302	-12183	1.8029
369	6.44	0.3204	5.7488	51078.3218	14.1593	14.3370	0.4379	2.3190	1140.2005	149.5324	72.5383	12070	-25222	-13152	2.0266
370	6.46	0.3953	6.3780	50846.8785	14.4232	15.9061	0.4785	2.3344	1147.7534	134.7352	74.8899	12015	-26051	-14036	2.2498
371	6.48	0.4779	7.0042	50591.7030	14.7145	17.4677	0.5192	2.3277	1144.4867	117.7649	76.9453	11955	-26776	-14821	2.4722
372	6.49	0.5682	7.6271	50312.9829	15.0330	19.0212	0.5596	2.2992	1130.4833	99.0342	78.6738	11889	-27385	-15496	2.6940
373	6.51	0.6663	8.2464	50010.9227	15.3786	20.5656	0.5993	2.2496	1106.0984	79.0011	80.0526	11818	-27871	-16053	2.9149
374	6.53	0.7719	8.8619	49685.7437	15.7510	22.1005	0.6380	2.1802	1071.9504	58.1480	81.0675	11741	-28229	-16488	3.1351
375	6.54	0.8851	9.4731	49337.6842	16.1502	23.6249	0.6753	2.0926	1028.9010	36.9609	81.7126	11659	-28456	-16798	3.3543
376	6.56	1.0059	10.0800	48966.9984	16.5759	25.1383	0.7110	1.9892	978.0243	15.9099	81.9902	11571	-28554	-16983	3.5725
377	6.58	1.1341	10.6821	48573.9572	17.0279	26.6400	0.7447	1.8723	920.5674	-4.5678	81.9105	11478	-28526	-17048	3.7897
378	6.6	1.2697	11.2792	48158.8469	17.5061	28.1292	0.7763	1.7449	857.9037	-24.0823	81.4902	11380	-28378	-16998	4.0058
379	6.61	1.4127	11.8711	47721.9696	18.0102	29.6052	0.8056	1.6098	791.4812	-42.3014	80.7519	11277	-28118	-16841	4.2207
380	6.63	1.5629	12.4575	47263.6427	18.5399	31.0675	0.8324	1.4700	722.7689	-58.9585	79.7229	11169	-27755	-16586	4.4344
381	6.65	1.7204	13.0380	46784.1986	19.0951	32.5154	0.8569	1.3285	653.2041	-73.8554	78.4339	11055	-27300	-16245	4.6469
382	6.67	1.8850	13.6126	46283.9841	19.6755	33.9482	0.8788	1.1881	584.1431	-86.8627	76.9178	10937	-26766	-15829	4.8579
383	6.68	2.0567	14.1808	45763.3605	20.2808	35.3653	0.8984	1.0511	516.8180	-97.9169	75.2089	10814	-26163	-15349	5.0676
384	6.7	2.2354	14.7424	45222.7029	20.9107	36.7660	0.9156	0.9199	452.3020	-107.0150	73.3411	10686	-25505	-14819	5.2757
385	6.72	2.4209	15.2973	44662.3998	21.5650	38.1498	0.9305	0.7962	391.4837	-114.2072	71.3478	10554	-24802	-14248	5.4823
386	6.74	2.6133	15.8451	44082.8532	22.2433	39.5160	0.9434	0.6814	335.0526	-119.5880	69.2606	10417	-24066	-13649	5.6873
387	6.75	2.8125	16.3857	43484.4775	22.9454	40.8641	0.9544	0.5766	283.4940	-123.2870	67.1088	10276	-23308	-13032	5.8907
388	6.77	3.0183	16.9187	42867.6994	23.6709	42.1935	0.9636	0.4822	237.0949	-125.4593	64.9192	10130	-22536	-12406	6.0923
389	6.79	3.2306	17.4441	42232.9578	24.4195	43.5036	0.9713	0.3985	195.9575	-126.2764	62.7152	9980	-21759	-11779	6.2921
390	6.81	3.4494	17.9615	41580.7028	25.1909	44.7939	0.9776	0.3255	160.0205	-125.9176	60.5175	9826	-20984	-11158	6.4901
391	6.82	3.6745	18.4707	40911.3955	25.9846	46.0638	0.9827	0.2625	129.0846	-124.5627	58.3435	9668	-20217	-10550	6.6862
392	6.84	3.9059	18.9715	40225.5077	26.8005	47.3129	0.9868	0.2092	102.8415	-122.3859	56.2075	9505	-19464	-9959	6.8803
393	6.86	4.1435	19.4638	39523.5210	27.6380	48.5407	0.9900	0.1645	80.9032	-119.5508	54.1209	9340	-18729	-9389	7.0724
394	6.88	4.3871	19.9474	38805.9269	28.4968	49.7465	0.9926	0.1278	62.8311	-116.2072	52.0927	9170	-18014	-8844	7.2624
395	6.89	4.6366	20.4219	38073.2259	29.3766	50.9301	0.9945	0.0980	48.1617	-112.4886	50.1294	8997	-17321	-8324	7.4502
396	6.91	4.8919	20.8874	37325.9269	30.2768	52.0908	0.9960	0.0741	36.4295	-108.5114	48.2355	8820	-16654	-7833	7.6359
397	6.93	5.1530	21.3435	36564.5471	31.1972	53.2284	0.9971	0.0553	27.1852	-104.3744	46.4139	8640	-16011	-7371	7.8193
398	6.95	5.4196	21.7902	35789.6113	32.1374	54.3422	0.9980	0.0407	20.0099	-100.1598	44.6658	8457	-15395	-6938	8.0003

399	6.96	5.6918	22.2272	35001.6513	33.0968	55.4321	0.9986	0.0295	14.5243	-95.9342	42.9914	8271	-14805	-6534	8.1790
400	6.98	5.9693	22.6543	34201.2055	34.0752	56.4974	0.9990	0.0211	10.3940	-91.7499	41.3900	8082	-14240	-6158	8.3553
401	7	6.2520	23.0716	33388.8184	35.0719	57.5380	0.9993	0.0149	7.3318	-87.6471	39.8603	7890	-13701	-5811	8.5291
402	7.02	6.5398	23.4787	32565.0397	36.0867	58.5533	0.9996	0.0104	5.0966	-83.6554	38.4003	7695	-13186	-5491	8.7003
403	7.03	6.8326	23.8756	31730.4245	37.1191	59.5431	0.9997	0.0071	3.4906	-79.7956	37.0076	7498	-12695	-5197	8.8690
404	7.05	7.1303	24.2621	30885.5318	38.1686	60.5071	0.9998	0.0048	2.3548	-76.0814	35.6797	7298	-12227	-4928	9.0350
405	7.07	7.4327	24.6382	30030.9250	39.2348	61.4449	0.9999	0.0032	1.5645	-72.5209	34.4140	7096	-11781	-4684	9.1983
406	7.09	7.7397	25.0036	29167.1705	40.3171	62.3562	0.9999	0.0021	1.0233	0.0000	33.2359	6892	-11365	-4473	9.3588
407	7.1	8.0512	25.3583	28294.8375	41.4152	63.2408	1.0000	0.0013	0.6589	0.0000	32.1121	6686	-10969	-4283	9.5166
408	7.12	8.3670	25.7022	27414.4976	42.5286	64.0985	1.0000	0.0008	0.4175	0.0000	31.0400	6478	-10591	-4113	9.6714
409	7.14	8.6870	26.0352	26526.7240	43.6568	64.9289	1.0000	0.0005	0.2603	0.0000	30.0170	6268	-10230	-3962	9.8234
410	7.16	9.0110	26.3572	25632.0910	44.7992	65.7318	1.0000	0.0003	0.1596	0.0000	29.0407	6057	-9886	-3829	9.9725
411	7.17	9.3390	26.6681	24731.1736	45.9555	66.5072	1.0000	0.0002	0.0962	0.0000	28.1087	5844	-9558	-3714	10.1185
412	7.19	9.6707	26.9678	23824.5468	47.1252	67.2547	1.0000	0.0001	0.0571	0.0000	27.2188	5630	-9244	-3614	10.2615
413	7.21	10.0061	27.2563	22912.7851	48.3077	67.9742	1.0000	0.0001	0.0333	0.0000	26.3690	5414	-8944	-3530	10.4014
414	7.23	10.3450	27.5335	21996.4621	49.5025	68.6655	1.0000	0.0000	0.0190	0.0000	25.5570	5198	-8658	-3460	10.5381
415	7.24	10.6873	27.7994	21076.1497	50.7092	69.3286	1.0000	0.0000	0.0107	0.0000	24.7812	4980	-8384	-3404	10.6717
416	7.26	11.0328	28.0539	20152.4177	51.9273	69.9633	1.0000	0.0000	0.0059	0.0000	24.0396	4762	-8123	-3361	10.8020
417	7.28	11.3813	28.2970	19225.8335	53.1562	70.5695	1.0000	0.0000	0.0032	0.0000	23.3305	4543	-7873	-3330	10.9290
418	7.3	11.7328	28.5286	18296.9610	54.3954	71.1472	1.0000	0.0000	0.0017	0.0000	22.6524	4324	-7634	-3310	11.0528
419	7.31	12.0871	28.7488	17366.3609	55.6445	71.6962	1.0000	0.0000	0.0009	0.0000	22.0036	4104	-7405	-3301	11.1731
420	7.33	12.4440	28.9574	16434.5893	56.9030	72.2165	1.0000	0.0000	0.0005	0.0000	21.3826	3884	-7186	-3303	11.2901
421	7.35	12.8035	29.1545	15502.1980	58.1702	72.7082	1.0000	0.0000	0.0002	0.0000	20.7882	3663	-6977	-3313	11.4037
422	7.37	13.1653	29.3402	14569.7334	59.4458	73.1711	1.0000	0.0000	0.0001	0.0000	20.2189	3443	-6776	-3333	11.5137
423	7.38	13.5293	29.5143	13637.7364	60.7293	73.6054	1.0000	0.0000	0.0001	0.0000	19.6736	3223	-6584	-3361	11.6203
424	7.4	13.8954	29.6769	12706.7417	62.0200	74.0109	1.0000	0.0000	0.0000	0.0000	19.1511	3003	-6399	-3397	11.7233
425	7.42	14.2634	29.8280	11777.2774	63.3175	74.3878	1.0000	0.0000	0.0000	0.0000	18.6502	2783	-6223	-3440	11.8227
426	7.44	14.6333	29.9677	10849.8647	64.6214	74.7361	1.0000	0.0000	0.0000	0.0000	18.1699	2564	-6054	-3490	11.9185
427	7.45	15.0047	30.0960	9925.0171	65.9310	75.0560	1.0000	0.0000	0.0000	0.0000	17.7092	2345	-5891	-3546	12.0106
428	7.47	15.3777	30.2128	9003.2403	67.2459	75.3473	1.0000	0.0000	0.0000	0.0000	17.2672	2128	-5735	-3608	12.0991
429	7.49	15.7520	30.3183	8085.0317	68.5656	75.6104	1.0000	0.0000	0.0000	0.0000	16.8429	1911	-5586	-3675	12.1838

430	7.5	16.1275	30.4124	7170.8796	69.8896	75.8452	1.0000	0.0000	0.0000	0.0000	16.4356	1695	-5442	-3748	12.2648
431	7.52	16.5041	30.4953	6261.2636	71.2174	76.0520	1.0000	0.0000	0.0000	0.0000	16.0444	1480	-5304	-3825	12.3421
432	7.54	16.8817	30.5671	5356.6534	72.5484	76.2308	1.0000	0.0000	0.0000	0.0000	15.6686	1266	-5172	-3906	12.4155
433	7.56	17.2600	30.6276	4457.5087	73.8823	76.3819	1.0000	0.0000	0.0000	0.0000	15.3074	1053	-5044	-3991	12.4851
434	7.57	17.6390	30.6771	3564.2792	75.2185	76.5054	1.0000	0.0000	0.0000	0.0000	14.9602	842	-4922	-4080	12.5509
435	7.59	18.0185	30.7157	2677.4037	76.5565	76.6015	1.0000	0.0000	0.0000	0.0000	14.6264	633	-4804	-4171	12.6128
436	7.61	18.3984	30.7433	1797.3101	77.8959	76.6703	1.0000	0.0000	0.0000	0.0000	14.3052	425	-4691	-4266	12.6708
437	7.63	18.7785	30.7601	924.4149	79.2361	76.7122	1.0000	0.0000	0.0000	0.0000	13.9962	218	-4582	-4364	12.7249
438	7.64	19.1588	30.7661	59.1229	80.5768	76.7273	1.0000	0.0000	0.0000	0.0000	13.6989	14	-4477	-4463	12.7750
439	7.66	19.5390	30.7616	-798.1727	81.9173	76.7159	1.0000	0.0000	0.0000	0.0000	13.4126	-189	-4376	-4565	12.8213
440	7.68	19.9191	30.7465	-1647.0913	83.2573	76.6783	1.0000	0.0000	0.0000	0.0000	13.1369	-389	-4279	-4668	12.8635
441	7.7	20.2989	30.7209	-2487.2644	84.5964	76.6146	1.0000	0.0000	0.0000	0.0000	12.8713	-588	-4185	-4773	12.9018
442	7.71	20.6783	30.6851	-3318.3365	85.9339	76.5252	1.0000	0.0000	0.0000	0.0000	12.6155	-784	-4095	-4879	12.9361
443	7.73	21.0571	30.6390	-4139.9649	87.2696	76.4104	1.0000	0.0000	0.0000	0.0000	12.3688	-978	-4008	-4987	12.9664
444	7.75	21.4353	30.5829	-4951.8201	88.6029	76.2704	1.0000	0.0000	0.0000	0.0000	12.1311	-1170	-3924	-5095	12.9926
445	7.77	21.8126	30.5168	-5753.5859	89.9334	76.1055	1.0000	0.0000	0.0000	0.0000	11.9019	-1360	-3844	-5203	13.0149
446	7.78	22.1891	30.4409	-6544.9596	91.2606	75.9162	1.0000	0.0000	0.0000	0.0000	11.6807	-1547	-3766	-5312	13.0331
447	7.8	22.5645	30.3553	-7325.6523	92.5843	75.7026	1.0000	0.0000	0.0000	0.0000	11.4674	-1731	-3690	-5422	13.0472
448	7.82	22.9388	30.2600	-8095.3888	93.9038	75.4652	1.0000	0.0000	0.0000	0.0000	11.2616	-1913	-3618	-5531	13.0573
449	7.84	23.3118	30.1554	-8853.9080	95.2189	75.2042	1.0000	0.0000	0.0000	0.0000	11.0629	-2092	-3548	-5640	13.0634
450	7.85	23.6834	30.0415	-9600.9628	96.5291	74.9201	1.0000	0.0000	0.0000	0.0000	10.8710	-2269	-3480	-5749	13.0654
451	7.87	24.0535	29.9184	-10336.3203	97.8340	74.6132	1.0000	0.0000	0.0000	0.0000	10.6858	-2443	-3415	-5857	13.0634
452	7.89	24.4220	29.7863	-11059.7619	99.1332	74.2838	1.0000	0.0000	0.0000	0.0000	10.5069	-2613	-3352	-5965	13.0573
453	7.91	24.7888	29.6454	-11771.0832	100.4263	73.9323	1.0000	0.0000	0.0000	0.0000	10.3340	-2782	-3291	-6072	13.0472
454	7.92	25.1538	29.4957	-12470.0942	101.7130	73.5590	1.0000	0.0000	0.0000	0.0000	10.1670	-2947	-3232	-6179	13.0331
455	7.94	25.5168	29.3375	-13156.6193	102.9928	73.1645	1.0000	0.0000	0.0000	0.0000	10.0055	-3109	-3175	-6284	13.0149
456	7.96	25.8777	29.1709	-13830.4974	104.2654	72.7490	1.0000	0.0000	0.0000	0.0000	9.8495	-3268	-3120	-6388	12.9926
457	7.98	26.2365	28.9961	-14491.5814	105.5305	72.3130	1.0000	0.0000	0.0000	0.0000	9.6986	-3424	-3067	-6491	12.9664
458	7.99	26.5931	28.8132	-15139.7391	106.7876	71.8568	1.0000	0.0000	0.0000	0.0000	9.5527	-3578	-3015	-6593	12.9361
459	8.01	26.9473	28.6223	-15774.8521	108.0365	71.3809	1.0000	0.0000	0.0000	0.0000	9.4116	-3728	-2966	-6693	12.9018
460	8.03	27.2991	28.4237	-16396.8166	109.2768	70.8856	1.0000	0.0000	0.0000	0.0000	9.2751	-3875	-2918	-6792	12.8635

461	8.05	27.6484	28.2175	-17005.5427	110.5082	70.3713	1.0000	0.0000	0.0000	0.0000	9.1430	-4018	-2871	-6889	12.8213
462	8.06	27.9950	28.0039	-17600.9549	111.7303	69.8385	1.0000	0.0000	0.0000	0.0000	9.0152	-4159	-2826	-6985	12.7750
463	8.08	28.3389	27.7830	-18182.9913	112.9429	69.2876	1.0000	0.0000	0.0000	0.0000	8.8915	-4297	-2782	-7079	12.7249
464	8.1	28.6801	27.5550	-18751.6041	114.1455	68.7190	1.0000	0.0000	0.0000	0.0000	8.7717	-4431	-2740	-7171	12.6708
465	8.12	29.0183	27.3200	-19306.7592	115.3380	68.1331	1.0000	0.0000	0.0000	0.0000	8.6558	-4562	-2699	-7261	12.6128
466	8.13	29.3536	27.0783	-19848.4357	116.5201	67.5303	1.0000	0.0000	0.0000	0.0000	8.5436	-4690	-2660	-7350	12.5509
467	8.15	29.6858	26.8300	-20376.6266	117.6914	66.9110	1.0000	0.0000	0.0000	0.0000	8.4349	-4815	-2621	-7436	12.4851
468	8.17	30.0149	26.5752	-20891.3375	118.8516	66.2757	1.0000	0.0000	0.0000	0.0000	8.3297	-4937	-2584	-7521	12.4155
469	8.19	30.3408	26.3142	-21392.5875	120.0006	65.6247	1.0000	0.0000	0.0000	0.0000	8.2277	-5055	-2548	-7603	12.3421
470	8.2	30.6634	26.0471	-21880.4081	121.1380	64.9585	1.0000	0.0000	0.0000	0.0000	8.1290	-5170	-2513	-7684	12.2648
471	8.22	30.9826	25.7740	-22354.8433	122.2635	64.2775	1.0000	0.0000	0.0000	0.0000	8.0333	-5283	-2480	-7762	12.1838
472	8.24	31.2984	25.4952	-22815.9497	123.3770	63.5821	1.0000	0.0000	0.0000	0.0000	7.9406	-5391	-2447	-7839	12.0991
473	8.26	31.6108	25.2107	-23263.7955	124.4782	62.8727	1.0000	0.0000	0.0000	0.0000	7.8508	-5497	-2415	-7913	12.0106
474	8.27	31.9196	24.9208	-23698.4608	125.5669	62.1497	1.0000	0.0000	0.0000	0.0000	7.7638	-5600	-2385	-7985	11.9185
475	8.29	32.2247	24.6256	-24120.0373	126.6427	61.4135	1.0000	0.0000	0.0000	0.0000	7.6795	-5700	-2355	-8055	11.8227
476	8.31	32.5262	24.3253	-24528.6275	127.7056	60.6646	1.0000	0.0000	0.0000	0.0000	7.5977	-5796	-2326	-8122	11.7233
477	8.33	32.8239	24.0200	-24924.3451	128.7553	59.9033	1.0000	0.0000	0.0000	0.0000	7.5186	-5890	-2298	-8188	11.6203
478	8.34	33.1178	23.7099	-25307.3140	129.7916	59.1299	1.0000	0.0000	0.0000	0.0000	7.4418	-5980	-2271	-8251	11.5137
479	8.36	33.4079	23.3952	-25677.6683	130.8142	58.3450	1.0000	0.0000	0.0000	0.0000	7.3674	-6068	-2245	-8313	11.4037
480	8.38	33.6940	23.0760	-26035.5521	131.8231	57.5489	1.0000	0.0000	0.0000	0.0000	7.2953	-6152	-2220	-8372	11.2901
481	8.4	33.9762	22.7524	-26381.1189	132.8179	56.7419	1.0000	0.0000	0.0000	0.0000	7.2254	-6234	-2195	-8429	11.1731
482	8.41	34.2544	22.4246	-26714.5312	133.7986	55.9245	1.0000	0.0000	0.0000	0.0000	7.1577	-6313	-2171	-8484	11.0528
483	8.43	34.5285	22.0928	-27035.9602	134.7650	55.0971	1.0000	0.0000	0.0000	0.0000	7.0921	-6389	-2148	-8537	10.9290
484	8.45	34.7985	21.7571	-27345.5857	135.7169	54.2599	1.0000	0.0000	0.0000	0.0000	7.0285	-6462	-2125	-8587	10.8020
485	8.46	35.0643	21.4177	-27643.5951	136.6540	53.4133	1.0000	0.0000	0.0000	0.0000	6.9669	-6532	-2104	-8636	10.6717
486	8.48	35.3259	21.0746	-27930.1835	137.5764	52.5578	1.0000	0.0000	0.0000	0.0000	6.9071	-6600	-2083	-8683	10.5381
487	8.5	35.5833	20.7281	-28205.5532	138.4838	51.6935	1.0000	0.0000	0.0000	0.0000	6.8492	-6665	-2062	-8727	10.4014
488	8.52	35.8363	20.3782	-28469.9131	139.3760	50.8210	1.0000	0.0000	0.0000	0.0000	6.7932	-6728	-2042	-8770	10.2615
489	8.53	36.0851	20.0252	-28723.4784	140.2531	49.9406	1.0000	0.0000	0.0000	0.0000	6.7388	-6787	-2023	-8811	10.1185
490	8.55	36.3295	19.6691	-28966.4704	141.1147	49.0524	1.0000	0.0000	0.0000	0.0000	6.6862	-6845	-2005	-8850	9.9725
491	8.57	36.5695	19.3100	-29199.1155	141.9608	48.1570	1.0000	0.0000	0.0000	0.0000	6.6353	-6900	-1987	-8887	9.8234

492	8.59	36.8050	18.9481	-29421.6454	142.7913	47.2545	1.0000	0.0000	0.0000	0.0000	6.5859	-6952	-1969	-8922	9.6714
493	8.6	37.0361	18.5836	-29634.2961	143.6060	46.3454	1.0000	0.0000	0.0000	0.0000	6.5381	-7003	-1953	-8955	9.5166
494	8.62	37.2627	18.2165	-29837.3080	144.4049	45.4298	1.0000	0.0000	0.0000	0.0000	6.4919	-7051	-1936	-8987	9.3588
495	8.64	37.4848	17.8469	-30030.9250	145.1878	44.5082	1.0000	0.0000	0.0000	0.0000	6.4471	-7096	-1920	-9017	9.1983
496	8.66	37.7023	17.4750	-30215.3943	145.9546	43.5807	1.0000	0.0000	0.0000	0.0000	6.4038	-7140	-1905	-9045	9.0350
497	8.67	37.9152	17.1009	-30390.9658	146.7053	42.6477	1.0000	0.0000	0.0000	0.0000	6.3618	-7182	-1890	-9072	8.8690
498	8.69	38.1235	16.7246	-30557.8920	147.4397	41.7094	1.0000	0.0000	0.0000	0.0000	6.3213	-7221	-1876	-9097	8.7003
499	8.71	38.3271	16.3464	-30716.4268	148.1578	40.7661	1.0000	0.0000	0.0000	0.0000	6.2821	-7258	-1862	-9121	8.5291
500	8.73	38.5262	15.9662	-30866.8261	148.8594	39.8180	1.0000	0.0000	0.0000	0.0000	6.2442	-7294	-1849	-9143	8.3553
501	8.74	38.7205	15.5843	-31009.3465	149.5446	38.8654	1.0000	0.0000	0.0000	0.0000	6.2076	-7328	-1836	-9164	8.1790
502	8.76	38.9101	15.2006	-31144.2450	150.2131	37.9086	1.0000	0.0000	0.0000	0.0000	6.1723	-7360	-1824	-9183	8.0003
503	8.78	39.0950	14.8153	-31271.7791	150.8650	36.9477	1.0000	0.0000	0.0000	0.0000	6.1382	-7390	-1812	-9201	7.8193
504	8.8	39.2752	14.4285	-31392.2055	151.5001	35.9830	1.0000	0.0000	0.0000	0.0000	6.1053	-7418	-1800	-9218	7.6359
505	8.81	39.4505	14.0402	-31505.7805	152.1185	35.0148	1.0000	0.0000	0.0000	0.0000	6.0735	-7445	-1789	-9234	7.4502
506	8.83	39.6211	13.6506	-31612.7590	152.7200	34.0431	1.0000	0.0000	0.0000	0.0000	6.0429	-7470	-1778	-9248	7.2624
507	8.85	39.7870	13.2597	-31713.3943	153.3046	33.0682	1.0000	0.0000	0.0000	0.0000	6.0134	-7494	-1768	-9262	7.0724
508	8.87	39.9480	12.8676	-31807.9375	153.8722	32.0903	1.0000	0.0000	0.0000	0.0000	5.9851	-7516	-1758	-9274	6.8803
509	8.88	40.1041	12.4743	-31896.6375	154.4228	31.1096	1.0000	0.0000	0.0000	0.0000	5.9578	-7537	-1748	-9285	6.6862
510	8.9	40.2555	12.0800	-31979.7400	154.9563	30.1262	1.0000	0.0000	0.0000	0.0000	5.9315	-7557	-1739	-9296	6.4901
511	8.92	40.4019	11.6847	-32057.4875	155.4727	29.1404	1.0000	0.0000	0.0000	0.0000	5.9063	-7575	-1730	-9305	6.2921
512	8.94	40.5435	11.2885	-32130.1189	155.9720	28.1523	1.0000	0.0000	0.0000	0.0000	5.8821	-7592	-1721	-9314	6.0923
513	8.95	40.6803	10.8914	-32197.8687	156.4540	27.1620	1.0000	0.0000	0.0000	0.0000	5.8589	-7608	-1713	-9322	5.8907
514	8.97	40.8121	10.4935	-32260.9673	156.9188	26.1697	1.0000	0.0000	0.0000	0.0000	5.8367	-7623	-1705	-9329	5.6873
515	8.99	40.9390	10.0949	-32319.6400	157.3663	25.1755	1.0000	0.0000	0.0000	0.0000	5.8155	-7637	-1698	-9335	5.4823
516	9.01	41.0610	9.6955	-32374.1067	157.7966	24.1795	1.0000	0.0000	0.0000	0.0000	5.7952	-7650	-1691	-9341	5.2757
517	9.02	41.1782	9.2955	-32424.5821	158.2094	23.1820	1.0000	0.0000	0.0000	0.0000	5.7759	-7662	-1684	-9346	5.0676
518	9.04	41.2903	8.8949	-32471.2748	158.6049	22.1829	1.0000	0.0000	0.0000	0.0000	5.7574	-7673	-1677	-9350	4.8579
519	9.06	41.3976	8.4938	-32514.3869	158.9830	21.1825	1.0000	0.0000	0.0000	0.0000	5.7399	-7683	-1671	-9354	4.6469
520	9.08	41.4999	8.0921	-32554.1143	159.3437	20.1808	1.0000	0.0000	0.0000	0.0000	5.7233	-7693	-1665	-9358	4.4344
521	9.09	41.5972	7.6900	-32590.6457	159.6869	19.1780	1.0000	0.0000	0.0000	0.0000	5.7075	-7701	-1660	-9361	4.2207
522	9.11	41.6896	7.2874	-32624.1627	160.0126	18.1740	1.0000	0.0000	0.0000	0.0000	5.6927	-7709	-1654	-9364	4.0058

523	9.13	41.7770	6.8845	-32654.8393	160.3208	17.1691	1.0000	0.0000	0.0000	0.0000	5.6787	-7716	-1650	-9366	3.7897
524	9.15	41.8595	6.4811	-32682.8419	160.6115	16.1632	1.0000	0.0000	0.0000	0.0000	5.6655	-7723	-1645	-9368	3.5725
525	9.16	41.9370	6.0775	-32708.3288	160.8847	15.1566	1.0000	0.0000	0.0000	0.0000	5.6532	-7729	-1641	-9370	3.3543
526	9.18	42.0095	5.6735	-32731.4497	161.1404	14.1492	1.0000	0.0000	0.0000	0.0000	5.6417	-7735	-1637	-9371	3.1351
527	9.2	42.0770	5.2693	-32752.3462	161.3784	13.1411	1.0000	0.0000	0.0000	0.0000	5.6311	-7740	-1633	-9372	2.9149
528	9.22	42.1395	4.8648	-32771.1510	161.5989	12.1324	1.0000	0.0000	0.0000	0.0000	5.6212	-7744	-1629	-9373	2.6940
529	9.23	42.1971	4.4602	-32787.9876	161.8018	11.1231	1.0000	0.0000	0.0000	0.0000	5.6122	-7748	-1626	-9374	2.4722
530	9.25	42.2496	4.0553	-32802.9706	161.9871	10.1134	1.0000	0.0000	0.0000	0.0000	5.6040	-7751	-1623	-9375	2.2498
531	9.27	42.2972	3.6502	-32816.2053	162.1547	9.1032	1.0000	0.0000	0.0000	0.0000	5.5966	-7755	-1621	-9375	2.0266
532	9.29	42.3397	3.2450	-32827.7871	162.3048	8.0927	1.0000	0.0000	0.0000	0.0000	5.5900	-7757	-1618	-9376	1.8029
533	9.3	42.3773	2.8397	-32837.8022	162.4372	7.0818	1.0000	0.0000	0.0000	0.0000	5.5841	-7760	-1616	-9376	1.5787
534	9.32	42.4098	2.4342	-32846.3268	162.5519	6.0706	1.0000	0.0000	0.0000	0.0000	5.5791	-7762	-1614	-9376	1.3540
535	9.34	42.4374	2.0286	-32853.4271	162.6490	5.0592	1.0000	0.0000	0.0000	0.0000	5.5748	-7763	-1613	-9376	1.1290
536	9.35	42.4599	1.6230	-32859.1594	162.7285	4.0476	1.0000	0.0000	0.0000	0.0000	5.5713	-7765	-1612	-9376	0.9036
537	9.37	42.4775	1.2173	-32863.5698	162.7903	3.0358	1.0000	0.0000	0.0000	0.0000	5.5686	-7766	-1611	-9377	0.6779
538	9.39	42.4900	0.8116	-32866.6944	162.8345	2.0240	1.0000	0.0000	0.0000	0.0000	5.5667	-7767	-1610	-9377	0.4520
539	9.41	42.4975	0.4058	-32868.5589	162.8610	1.0120	1.0000	0.0000	0.0000	0.0000	5.5655	-7767	-1610	-9377	0.2261
540	9.42	42.5000	0.0000	-32869.1786	162.8698	0.0000	1.0000	0.0000	0.0000	0.0000	1.0000	-7767	0	-7767	0.0000
541	9.44	42.4975	-0.4058	-32868.5589	162.8610	-1.0120	1.0000	0.0000	0.0000	0.0000	1.0000	-7767	0	-7767	-0.2261
542	9.46	42.4900	-0.8116	-32866.6944	162.8345	-2.0240	1.0000	0.0000	0.0000	0.0000	1.0000	-7767	0	-7767	-0.4520
543	9.48	42.4775	-1.2173	-32863.5698	162.7903	-3.0358	1.0000	0.0000	0.0000	0.0000	1.0000	-7766	0	-7766	-0.6779
544	9.49	42.4599	-1.6230	-32859.1594	162.7285	-4.0476	1.0000	0.0000	0.0000	0.0000	1.0000	-7765	0	-7765	-0.9036
545	9.51	42.4374	-2.0286	-32853.4271	162.6490	-5.0592	1.0000	0.0000	0.0000	0.0000	1.0000	-7763	0	-7763	-1.1290
546	9.53	42.4098	-2.4342	-32846.3268	162.5519	-6.0706	1.0000	0.0000	0.0000	0.0000	1.0000	-7762	0	-7762	-1.3540
547	9.55	42.3773	-2.8397	-32837.8022	162.4372	-7.0818	1.0000	0.0000	0.0000	0.0000	1.0000	-7760	0	-7760	-1.5787
548	9.56	42.3397	-3.2450	-32827.7871	162.3048	-8.0927	1.0000	0.0000	0.0000	0.0000	1.0000	-7757	0	-7757	-1.8029
549	9.58	42.2972	-3.6502	-32816.2053	162.1547	-9.1032	1.0000	0.0000	0.0000	0.0000	1.0000	-7755	0	-7755	-2.0266
550	9.6	42.2496	-4.0553	-32802.9706	161.9871	-10.1134	1.0000	0.0000	0.0000	0.0000	1.0000	-7751	0	-7751	-2.2498
551	9.62	42.1971	-4.4602	-32787.9876	161.8018	-11.1231	1.0000	0.0000	0.0000	0.0000	1.0000	-7748	0	-7748	-2.4722
552	9.63	42.1395	-4.8648	-32771.1510	161.5989	-12.1324	1.0000	0.0000	0.0000	0.0000	1.0000	-7744	0	-7744	-2.6940
553	9.65	42.0770	-5.2693	-32752.3462	161.3784	-13.1411	1.0000	0.0000	0.0000	0.0000	1.0000	-7740	0	-7740	-2.9149

554	9.67	42.0095	-5.6735	-32731.4497	161.1404	-14.1492	1.0000	0.0000	0.0000	0.0000	1.0000	-7735	0	-7735	-3.1351
555	9.69	41.9370	-6.0775	-32708.3288	160.8847	-15.1566	1.0000	0.0000	0.0000	0.0000	1.0000	-7729	0	-7729	-3.3543
556	9.7	41.8595	-6.4811	-32682.8419	160.6115	-16.1632	1.0000	0.0000	0.0000	0.0000	1.0000	-7723	0	-7723	-3.5725
557	9.72	41.7770	-6.8845	-32654.8393	160.3208	-17.1691	1.0000	0.0000	0.0000	0.0000	1.0000	-7716	0	-7716	-3.7897
558	9.74	41.6896	-7.2874	-32624.1627	160.0126	-18.1740	1.0000	0.0000	0.0000	0.0000	1.0000	-7709	0	-7709	-4.0058
559	9.76	41.5972	-7.6900	-32590.6457	159.6869	-19.1780	1.0000	0.0000	0.0000	0.0000	1.0000	-7701	0	-7701	-4.2207
560	9.77	41.4999	-8.0921	-32554.1143	159.3437	-20.1808	1.0000	0.0000	0.0000	0.0000	1.0000	-7693	0	-7693	-4.4344
561	9.79	41.3976	-8.4938	-32514.3869	158.9830	-21.1825	1.0000	0.0000	0.0000	0.0000	1.0000	-7683	0	-7683	-4.6469
562	9.81	41.2903	-8.8949	-32471.2748	158.6049	-22.1829	1.0000	0.0000	0.0000	0.0000	1.0000	-7673	0	-7673	-4.8579
563	9.83	41.1782	-9.2955	-32424.5821	158.2094	-23.1820	1.0000	0.0000	0.0000	0.0000	1.0000	-7662	0	-7662	-5.0676
564	9.84	41.0610	-9.6955	-32374.1067	157.7966	-24.1795	1.0000	0.0000	0.0000	0.0000	1.0000	-7650	0	-7650	-5.2757
565	9.86	40.9390	-10.0949	-32319.6400	157.3663	-25.1755	1.0000	0.0000	0.0000	0.0000	1.0000	-7637	0	-7637	-5.4823
566	9.88	40.8121	-10.4935	-32260.9673	156.9188	-26.1697	1.0000	0.0000	0.0000	0.0000	1.0000	-7623	0	-7623	-5.6873
567	9.9	40.6803	-10.8914	-32197.8687	156.4540	-27.1620	1.0000	0.0000	0.0000	0.0000	1.0000	-7608	0	-7608	-5.8907
568	9.91	40.5435	-11.2885	-32130.1189	155.9720	-28.1523	1.0000	0.0000	0.0000	0.0000	1.0000	-7592	0	-7592	-6.0923
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570	9.95	40.2555	-12.0800	-31979.7400	154.9563	-30.1262	1.0000	0.0000	0.0000	0.0000	1.0000	-7557	0	-7557	-6.4901
571	9.97	40.1041	-12.4743	-31896.6375	154.4228	-31.1096	1.0000	0.0000	0.0000	0.0000	1.0000	-7537	0	-7537	-6.6862
572	9.98	39.9480	-12.8676	-31807.9375	153.8722	-32.0903	1.0000	0.0000	0.0000	0.0000	1.0000	-7516	0	-7516	-6.8803
573	10	39.7870	-13.2597	-31713.3943	153.3046	-33.0682	1.0000	0.0000	0.0000	0.0000	1.0000	-7494	0	-7494	-7.0724
574	10	39.6211	-13.6506	-31612.7590	152.7200	-34.0431	1.0000	0.0000	0.0000	0.0000	1.0000	-7470	0	-7470	-7.2624
575	10	39.4505	-14.0402	-31505.7805	152.1185	-35.0148	1.0000	0.0000	0.0000	0.0000	1.0000	-7445	0	-7445	-7.4502
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579	10.1	38.7205	-15.5843	-31009.3465	149.5446	-38.8654	1.0000	0.0000	0.0000	0.0000	1.0000	-7328	0	-7328	-8.1790
580	10.1	38.5262	-15.9662	-30866.8261	148.8594	-39.8180	1.0000	0.0000	0.0000	0.0000	1.0000	-7294	0	-7294	-8.3553
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604	10.5	32.5262	-24.3253	-24528.6275	127.7056	-60.6646	1.0000	0.0000	0.0000	0.0000	1.0000	-5796	0	-5796	-11.7233
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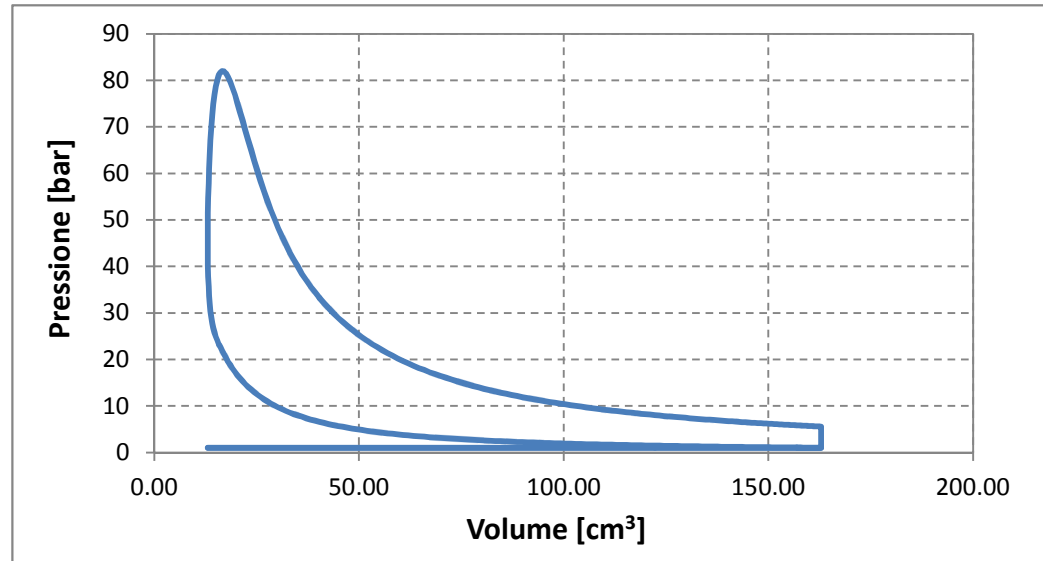
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626	10.9	25.1538	-29.4957	-12470.0942	101.7130	-73.5590	1.0000	0.0000	0.0000	0.0000	1.0000	-2947	0	-2947	-13.0331
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658	11.5	13.1653	-29.3402	14569.7334	59.4458	-73.1711	1.0000	0.0000	0.0000	0.0000	1.0000	3443	0	3443	-11.5137
659	11.5	12.8035	-29.1545	15502.1980	58.1702	-72.7082	1.0000	0.0000	0.0000	0.0000	1.0000	3663	0	3663	-11.4037
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674	11.8	7.7397	-25.0036	29167.1705	40.3171	-62.3562	1.0000	0.0000	0.0000	0.0000	1.0000	6892	0	6892	-9.3588
675	11.8	7.4327	-24.6382	30030.9250	39.2348	-61.4449	1.0000	0.0000	0.0000	0.0000	1.0000	7096	0	7096	-9.1983
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677	11.8	6.8326	-23.8756	31730.4245	37.1191	-59.5431	1.0000	0.0000	0.0000	0.0000	1.0000	7498	0	7498	-8.8690

678	11.8	6.5398	-23.4787	32565.0397	36.0867	-58.5533	1.0000	0.0000	0.0000	0.0000	1.0000	7695	0	7695	-8.7003
679	11.9	6.2520	-23.0716	33388.8184	35.0719	-57.5380	1.0000	0.0000	0.0000	0.0000	1.0000	7890	0	7890	-8.5291
680	11.9	5.9693	-22.6543	34201.2055	34.0752	-56.4974	1.0000	0.0000	0.0000	0.0000	1.0000	8082	0	8082	-8.3553
681	11.9	5.6918	-22.2272	35001.6513	33.0968	-55.4321	1.0000	0.0000	0.0000	0.0000	1.0000	8271	0	8271	-8.1790
682	11.9	5.4196	-21.7902	35789.6113	32.1374	-54.3422	1.0000	0.0000	0.0000	0.0000	1.0000	8457	0	8457	-8.0003
683	11.9	5.1530	-21.3435	36564.5471	31.1972	-53.2284	1.0000	0.0000	0.0000	0.0000	1.0000	8640	0	8640	-7.8193
684	11.9	4.8919	-20.8874	37325.9269	30.2768	-52.0908	1.0000	0.0000	0.0000	0.0000	1.0000	8820	0	8820	-7.6359
685	12	4.6366	-20.4219	38073.2259	29.3766	-50.9301	1.0000	0.0000	0.0000	0.0000	1.0000	8997	0	8997	-7.4502
686	12	4.3871	-19.9474	38805.9269	28.4968	-49.7465	1.0000	0.0000	0.0000	0.0000	1.0000	9170	0	9170	-7.2624
687	12	4.1435	-19.4638	39523.5210	27.6380	-48.5407	1.0000	0.0000	0.0000	0.0000	1.0000	9340	0	9340	-7.0724
688	12	3.9059	-18.9715	40225.5077	26.8005	-47.3129	1.0000	0.0000	0.0000	0.0000	1.0000	9505	0	9505	-6.8803
689	12	3.6745	-18.4707	40911.3955	25.9846	-46.0638	1.0000	0.0000	0.0000	0.0000	1.0000	9668	0	9668	-6.6862
690	12	3.4494	-17.9615	41580.7028	25.1909	-44.7939	1.0000	0.0000	0.0000	0.0000	1.0000	9826	0	9826	-6.4901
691	12.1	3.2306	-17.4441	42232.9578	24.4195	-43.5036	1.0000	0.0000	0.0000	0.0000	1.0000	9980	0	9980	-6.2921
692	12.1	3.0183	-16.9187	42867.6994	23.6709	-42.1935	1.0000	0.0000	0.0000	0.0000	1.0000	10130	0	10130	-6.0923
693	12.1	2.8125	-16.3857	43484.4775	22.9454	-40.8641	1.0000	0.0000	0.0000	0.0000	1.0000	10276	0	10276	-5.8907
694	12.1	2.6133	-15.8451	44082.8532	22.2433	-39.5160	1.0000	0.0000	0.0000	0.0000	1.0000	10417	0	10417	-5.6873
695	12.1	2.4209	-15.2973	44662.3998	21.5650	-38.1498	1.0000	0.0000	0.0000	0.0000	1.0000	10554	0	10554	-5.4823
696	12.1	2.2354	-14.7424	45222.7029	20.9107	-36.7660	1.0000	0.0000	0.0000	0.0000	1.0000	10686	0	10686	-5.2757
697	12.2	2.0567	-14.1808	45763.3605	20.2808	-35.3653	1.0000	0.0000	0.0000	0.0000	1.0000	10814	0	10814	-5.0676
698	12.2	1.8850	-13.6126	46283.9841	19.6755	-33.9482	1.0000	0.0000	0.0000	0.0000	1.0000	10937	0	10937	-4.8579
699	12.2	1.7204	-13.0380	46784.1986	19.0951	-32.5154	1.0000	0.0000	0.0000	0.0000	1.0000	11055	0	11055	-4.6469
700	12.2	1.5629	-12.4575	47263.6427	18.5399	-31.0675	1.0000	0.0000	0.0000	0.0000	1.0000	11169	0	11169	-4.4344
701	12.2	1.4127	-11.8711	47721.9696	18.0102	-29.6052	1.0000	0.0000	0.0000	0.0000	1.0000	11277	0	11277	-4.2207
702	12.3	1.2697	-11.2792	48158.8469	17.5061	-28.1292	1.0000	0.0000	0.0000	0.0000	1.0000	11380	0	11380	-4.0058
703	12.3	1.1341	-10.6821	48573.9572	17.0279	-26.6400	1.0000	0.0000	0.0000	0.0000	1.0000	11478	0	11478	-3.7897
704	12.3	1.0059	-10.0800	48966.9984	16.5759	-25.1383	1.0000	0.0000	0.0000	0.0000	1.0000	11571	0	11571	-3.5725
705	12.3	0.8851	-9.4731	49337.6842	16.1502	-23.6249	1.0000	0.0000	0.0000	0.0000	1.0000	11659	0	11659	-3.3543
706	12.3	0.7719	-8.8619	49685.7437	15.7510	-22.1005	1.0000	0.0000	0.0000	0.0000	1.0000	11741	0	11741	-3.1351
707	12.3	0.6663	-8.2464	50010.9227	15.3786	-20.5656	1.0000	0.0000	0.0000	0.0000	1.0000	11818	0	11818	-2.9149
708	12.4	0.5682	-7.6271	50312.9829	15.0330	-19.0212	1.0000	0.0000	0.0000	0.0000	1.0000	11889	0	11889	-2.6940

709	12.4	0.4779	-7.0042	50591.7030	14.7145	-17.4677	1.0000	0.0000	0.0000	0.0000	1.0000	11955	0	11955	-2.4722
710	12.4	0.3953	-6.3780	50846.8785	14.4232	-15.9061	1.0000	0.0000	0.0000	0.0000	1.0000	12015	0	12015	-2.2498
711	12.4	0.3204	-5.7488	51078.3218	14.1593	-14.3370	1.0000	0.0000	0.0000	0.0000	1.0000	12070	0	12070	-2.0266
712	12.4	0.2533	-5.1169	51285.8627	13.9228	-12.7611	1.0000	0.0000	0.0000	0.0000	1.0000	12119	0	12119	-1.8029
713	12.4	0.1941	-4.4826	51469.3486	13.7138	-11.1791	1.0000	0.0000	0.0000	0.0000	1.0000	12162	0	12162	-1.5787
714	12.5	0.1427	-3.8462	51628.6443	13.5325	-9.5920	1.0000	0.0000	0.0000	0.0000	1.0000	12200	0	12200	-1.3540
715	12.5	0.0991	-3.2079	51763.6324	13.3790	-8.0002	1.0000	0.0000	0.0000	0.0000	1.0000	12232	0	12232	-1.1290
716	12.5	0.0635	-2.5682	51874.2132	13.2533	-6.4047	1.0000	0.0000	0.0000	0.0000	1.0000	12258	0	12258	-0.9036
717	12.5	0.0357	-1.9272	51960.3053	13.1555	-4.8062	1.0000	0.0000	0.0000	0.0000	1.0000	12278	0	12278	-0.6779
718	12.5	0.0159	-1.2853	52021.8451	13.0855	-3.2054	1.0000	0.0000	0.0000	0.0000	1.0000	12293	0	12293	-0.4520
719	12.5	0.0040	-0.6428	52058.7872	13.0436	-1.6031	1.0000	0.0000	0.0000	0.0000	1.0000	12302	0	12302	-0.2261
720	12.6	0.0000	0.0000	52071.1043	13.0296	0.0000	1.0000	0.0000	0.0000	0.0000	1.0000	12305	0	12305	0.0000

F_Lat N	T' N	R' N	R'' N	L J	M Nm	M_medio Nm
0	0	-12305	-14991	244.96	0.00	19.49
49	-263	-12299	-14991	0.01	-5.59	-2.80
97	-526	-12282	-14991	0.04	-11.18	-8.38
145	-788	-12254	-14991	0.07	-16.74	-13.96
193	-1048	-12215	-14991	0.10	-22.27	-19.50
241	-1306	-12164	-14991	0.13	-27.76	-25.01
288	-1562	-12103	-14991	0.15	-33.19	-30.48
335	-1815	-12031	-14991	0.18	-38.57	-35.88
381	-2064	-11948	-14991	0.21	-43.87	-41.22
427	-2310	-11855	-14991	0.24	-49.09	-46.48
472	-2551	-11751	-14991	0.26	-54.22	-51.65
516	-2788	-11637	-14991	0.29	-59.24	-56.73
559	-3019	-11513	-14991	0.32	-64.16	-61.70
602	-3245	-11380	-14991	0.35	-68.95	-66.55
643	-3464	-11237	-14991	0.37	-73.62	-71.28
683	-3678	-11085	-14991	0.40	-78.15	-75.88
722	-3884	-10924	-14991	0.43	-82.53	-80.34
760	-4083	-10754	-14991	0.45	-86.76	-84.65
797	-4275	-10577	-14991	0.48	-90.83	-88.80
832	-4458	-10392	-14991	0.50	-94.74	-92.79
866	-4634	-10199	-14991	0.53	-98.47	-96.60
899	-4801	-9999	-14991	0.56	-102.02	-100.24
930	-4959	-9792	-14991	0.58	-105.38	-103.70
959	-5108	-9580	-14991	0.61	-108.55	-106.96
987	-5248	-9361	-14991	0.63	-111.52	-110.03
1013	-5378	-9137	-14991	0.65	-114.29	-112.90
1037	-5499	-8908	-14991	0.68	-116.85	-115.57



1060	-5610	-8674	-14991	0.70	-119.20	-118.03
1081	-5710	-8437	-14991	0.73	-121.34	-120.27
1100	-5801	-8195	-14991	0.75	-123.27	-122.30
1118	-5881	-7950	-14991	0.77	-124.97	-124.12
1133	-5951	-7703	-14991	0.79	-126.45	-125.71
1147	-6010	-7453	-14991	0.82	-127.71	-127.08
1159	-6058	-7202	-14991	0.84	-128.74	-128.23
1169	-6097	-6949	-14991	0.86	-129.55	-129.15
1177	-6124	-6695	-14991	0.88	-130.14	-129.85
1182	-6141	-6441	-14991	0.90	-130.50	-130.32
1187	-6148	-6186	-14991	0.92	-130.63	-130.57
1189	-6143	-5933	-14991	0.94	-130.55	-130.59
1189	-6129	-5680	-14991	0.96	-130.24	-130.39
1187	-6104	-5428	-14991	0.98	-129.71	-129.98
1183	-6069	-5178	-14991	1.00	-128.97	-129.34
1178	-6024	-4931	-14991	1.01	-128.02	-128.49
1170	-5969	-4686	-14991	1.03	-126.85	-127.43
1161	-5905	-4444	-14991	1.05	-125.47	-126.16
1149	-5831	-4205	-14991	1.07	-123.90	-124.69
1136	-5747	-3971	-14991	1.08	-122.12	-123.01
1121	-5654	-3740	-14991	1.10	-120.16	-121.14
1104	-5553	-3514	-14991	1.11	-118.00	-119.08
1085	-5443	-3293	-14991	1.13	-115.66	-116.83
1065	-5324	-3078	-14991	1.14	-113.15	-114.40
1043	-5198	-2867	-14991	1.16	-110.46	-111.80
1019	-5064	-2663	-14991	1.17	-107.61	-109.03
994	-4922	-2465	-14991	1.18	-104.60	-106.10
967	-4774	-2273	-14991	1.19	-101.44	-103.02
939	-4618	-2088	-14991	1.21	-98.13	-99.78
909	-4456	-1910	-14991	1.22	-94.69	-96.41
877	-4288	-1739	-14991	1.23	-91.12	-92.91

845	-4114	-1575	-14991	1.24	-87.43	-89.27
811	-3935	-1419	-14991	1.25	-83.62	-85.52
775	-3751	-1270	-14991	1.26	-79.71	-81.66
739	-3562	-1130	-14991	1.27	-75.70	-77.70
701	-3369	-997	-14991	1.28	-71.59	-73.64
663	-3172	-873	-14991	1.28	-67.41	-69.50
623	-2972	-756	-14991	1.29	-63.15	-65.28
583	-2768	-648	-14991	1.30	-58.83	-60.99
541	-2562	-548	-14991	1.30	-54.45	-56.64
499	-2354	-457	-14991	1.31	-50.02	-52.23
456	-2143	-374	-14991	1.31	-45.55	-47.78
413	-1931	-300	-14991	1.32	-41.04	-43.30
368	-1718	-233	-14991	1.32	-36.51	-38.78
324	-1504	-176	-14991	1.33	-31.97	-34.24
279	-1290	-126	-14991	1.33	-27.41	-29.69
233	-1075	-85	-14991	1.33	-22.85	-25.13
188	-861	-52	-14991	1.34	-18.30	-20.58
142	-648	-27	-14991	1.34	-13.76	-16.03
95	-435	-10	-14991	1.34	-9.25	-11.51
49	-224	-1	-14991	1.34	-4.76	-7.00
3	-14	0	-14991	1.34	-0.30	-2.53
-43	193	-6	-14991	1.34	4.11	1.90
-89	399	-20	-14991	1.34	8.47	6.29
-135	602	-41	-14991	1.34	12.78	10.63
-180	802	-69	-14991	1.34	17.03	14.91
-225	998	-104	-14991	1.34	21.22	19.13
-270	1192	-146	-14991	1.33	25.33	23.27
-314	1382	-195	-14991	1.33	29.36	27.35
-358	1568	-249	-14991	1.33	33.32	31.34
-401	1750	-310	-14991	1.32	37.18	35.25
-444	1927	-377	-14991	1.32	40.95	39.07

-485	2100	-449	-14991	1.32	44.63	42.79
-527	2269	-527	-14991	1.31	48.21	46.42
-567	2432	-609	-14991	1.30	51.69	49.95
-606	2591	-697	-14991	1.30	55.05	53.37
-645	2744	-789	-14991	1.29	58.31	56.68
-682	2892	-886	-14991	1.29	61.45	59.88
-719	3034	-987	-14991	1.28	64.48	62.97
-754	3171	-1092	-14991	1.27	67.39	65.94
-788	3303	-1200	-14991	1.27	70.18	68.79
-822	3428	-1312	-14991	1.26	72.85	71.52
-854	3548	-1426	-14991	1.25	75.40	74.13
-885	3662	-1544	-14991	1.24	77.82	76.61
-915	3770	-1665	-14991	1.23	80.12	78.97
-943	3872	-1787	-14991	1.22	82.28	81.20
-970	3968	-1912	-14991	1.21	84.33	83.31
-996	4058	-2039	-14991	1.20	86.24	85.28
-1021	4143	-2167	-14991	1.19	88.03	87.14
-1044	4221	-2297	-14991	1.18	89.69	88.86
-1066	4293	-2427	-14991	1.17	91.23	90.46
-1087	4359	-2559	-14991	1.16	92.63	91.93
-1106	4420	-2692	-14991	1.15	93.92	93.28
-1124	4474	-2825	-14991	1.14	95.08	94.50
-1141	4523	-2958	-14991	1.13	96.11	95.59
-1156	4566	-3091	-14991	1.11	97.03	96.57
-1170	4603	-3225	-14991	1.10	97.82	97.42
-1182	4635	-3358	-14991	1.09	98.50	98.16
-1193	4661	-3490	-14991	1.08	99.06	98.78
-1203	4682	-3622	-14991	1.06	99.50	99.28
-1211	4698	-3753	-14991	1.05	99.83	99.67
-1218	4708	-3883	-14991	1.04	100.05	99.94
-1224	4714	-4012	-14991	1.02	100.16	100.11

-1228	4714	-4140	-14991	1.01	100.17	100.17
-1231	4709	-4266	-14991	0.99	100.07	100.12
-1233	4700	-4391	-14991	0.98	99.88	99.98
-1234	4686	-4514	-14991	0.97	99.58	99.73
-1233	4668	-4636	-14991	0.95	99.19	99.38
-1231	4645	-4755	-14991	0.94	98.70	98.95
-1228	4618	-4873	-14991	0.92	98.13	98.42
-1223	4587	-4988	-14991	0.91	97.47	97.80
-1218	4552	-5102	-14991	0.89	96.72	97.09
-1211	4513	-5213	-14991	0.88	95.89	96.31
-1204	4470	-5322	-14991	0.86	94.98	95.44
-1195	4424	-5428	-14991	0.85	94.00	94.49
-1185	4374	-5533	-14991	0.83	92.94	93.47
-1174	4321	-5634	-14991	0.81	91.82	92.38
-1162	4265	-5734	-14991	0.80	90.62	91.22
-1149	4205	-5831	-14991	0.78	89.36	89.99
-1135	4143	-5925	-14991	0.77	88.04	88.70
-1121	4078	-6016	-14991	0.75	86.66	87.35
-1105	4011	-6106	-14991	0.73	85.22	85.94
-1089	3940	-6192	-14991	0.72	83.73	84.48
-1071	3868	-6276	-14991	0.70	82.19	82.96
-1053	3793	-6357	-14991	0.69	80.60	81.40
-1034	3716	-6436	-14991	0.67	78.96	79.78
-1015	3637	-6512	-14991	0.65	77.28	78.12
-995	3556	-6586	-14991	0.64	75.56	76.42
-974	3473	-6657	-14991	0.62	73.80	74.68
-952	3388	-6725	-14991	0.60	72.00	72.90
-930	3302	-6791	-14991	0.58	70.16	71.08
-907	3214	-6855	-14991	0.57	68.30	69.23
-884	3125	-6916	-14991	0.55	66.40	67.35
-860	3034	-6974	-14991	0.53	64.47	65.43

-835	2942	-7030	-14991	0.52	62.52	63.50
-810	2849	-7084	-14991	0.50	60.54	61.53
-785	2755	-7136	-14991	0.48	58.54	59.54
-759	2659	-7185	-14991	0.46	56.51	57.53
-733	2563	-7231	-14991	0.45	54.47	55.49
-706	2466	-7276	-14991	0.43	52.41	53.44
-679	2368	-7318	-14991	0.41	50.33	51.37
-652	2270	-7359	-14991	0.40	48.23	49.28
-625	2170	-7397	-14991	0.38	46.12	47.18
-597	2070	-7433	-14991	0.36	44.00	45.06
-568	1970	-7467	-14991	0.34	41.86	42.93
-540	1869	-7499	-14991	0.33	39.71	40.79
-511	1767	-7529	-14991	0.31	37.55	38.63
-482	1665	-7557	-14991	0.29	35.39	36.47
-453	1563	-7583	-14991	0.27	33.21	34.30
-424	1460	-7607	-14991	0.26	31.03	32.12
-394	1357	-7630	-14991	0.24	28.84	29.93
-364	1254	-7650	-14991	0.22	26.64	27.74
-335	1150	-7669	-14991	0.20	24.44	25.54
-305	1046	-7687	-14991	0.19	22.23	23.33
-274	942	-7702	-14991	0.17	20.02	21.12
-244	838	-7716	-14991	0.15	17.80	18.91
-214	733	-7728	-14991	0.13	15.58	16.69
-183	629	-7738	-14991	0.11	13.36	14.47
-153	524	-7747	-14991	0.10	11.14	12.25
-122	419	-7754	-14991	0.08	8.91	10.03
-92	315	-7760	-14991	0.06	6.69	7.80
-61	210	-7764	-14991	0.04	4.46	5.57
-31	105	-7766	-14991	0.03	2.23	3.34
0	0	-7767	-14991	0.01	0.00	1.11
31	-105	-7766	-14991	-0.01	-2.23	-1.11

61	-210	-7764	-14991	-0.03	-4.46	-3.34
92	-315	-7760	-14991	-0.04	-6.69	-5.57
122	-420	-7755	-14991	-0.06	-8.91	-7.80
153	-524	-7748	-14991	-0.08	-11.14	-10.03
183	-629	-7739	-14991	-0.10	-13.36	-12.25
214	-734	-7729	-14991	-0.12	-15.59	-14.48
244	-838	-7717	-14991	-0.13	-17.81	-16.70
274	-942	-7704	-14991	-0.15	-20.02	-18.92
305	-1046	-7689	-14991	-0.17	-22.24	-21.13
335	-1150	-7673	-14991	-0.19	-24.45	-23.34
365	-1254	-7654	-14991	-0.20	-26.65	-25.55
394	-1358	-7634	-14991	-0.22	-28.85	-27.75
424	-1461	-7612	-14991	-0.24	-31.05	-29.95
453	-1564	-7589	-14991	-0.26	-33.24	-32.14
483	-1667	-7563	-14991	-0.28	-35.42	-34.33
512	-1769	-7536	-14991	-0.30	-37.59	-36.50
540	-1871	-7507	-14991	-0.32	-39.76	-38.67
569	-1972	-7476	-14991	-0.33	-41.91	-40.83
597	-2073	-7443	-14991	-0.35	-44.06	-42.98
625	-2174	-7408	-14991	-0.37	-46.19	-45.12
653	-2274	-7371	-14991	-0.39	-48.31	-47.25
681	-2373	-7332	-14991	-0.41	-50.42	-49.37
708	-2471	-7291	-14991	-0.43	-52.51	-51.47
735	-2569	-7247	-14991	-0.45	-54.59	-53.55
761	-2666	-7202	-14991	-0.47	-56.65	-55.62
787	-2762	-7154	-14991	-0.49	-58.69	-57.67
813	-2857	-7104	-14991	-0.51	-60.71	-59.70
838	-2951	-7052	-14991	-0.53	-62.71	-61.71
862	-3044	-6997	-14991	-0.55	-64.68	-63.69
887	-3136	-6940	-14991	-0.57	-66.63	-65.66
910	-3226	-6880	-14991	-0.59	-68.55	-67.59

933	-3315	-6819	-14991	-0.61	-70.44	-69.50
956	-3403	-6754	-14991	-0.64	-72.30	-71.37
978	-3489	-6687	-14991	-0.66	-74.13	-73.22
999	-3573	-6618	-14991	-0.68	-75.93	-75.03
1020	-3656	-6546	-14991	-0.70	-77.68	-76.80
1040	-3736	-6472	-14991	-0.72	-79.40	-78.54
1059	-3815	-6395	-14991	-0.75	-81.07	-80.24
1078	-3892	-6315	-14991	-0.77	-82.70	-81.89
1096	-3967	-6233	-14991	-0.79	-84.29	-83.50
1113	-4039	-6148	-14991	-0.82	-85.82	-85.06
1129	-4109	-6061	-14991	-0.84	-87.31	-86.57
1144	-4176	-5971	-14991	-0.87	-88.74	-88.02
1159	-4240	-5879	-14991	-0.89	-90.11	-89.42
1172	-4302	-5784	-14991	-0.92	-91.42	-90.77
1185	-4361	-5687	-14991	-0.94	-92.67	-92.05
1197	-4417	-5587	-14991	-0.97	-93.86	-93.27
1207	-4470	-5485	-14991	-1.00	-94.98	-94.42
1217	-4519	-5380	-14991	-1.02	-96.03	-95.50
1225	-4565	-5273	-14991	-1.05	-97.01	-96.52
1233	-4607	-5164	-14991	-1.08	-97.91	-97.46
1239	-4646	-5053	-14991	-1.11	-98.73	-98.32
1245	-4681	-4939	-14991	-1.13	-99.47	-99.10
1249	-4712	-4824	-14991	-1.16	-100.13	-99.80
1252	-4739	-4706	-14991	-1.19	-100.70	-100.41
1253	-4761	-4587	-14991	-1.22	-101.18	-100.94
1254	-4780	-4466	-14991	-1.25	-101.57	-101.38
1253	-4794	-4343	-14991	-1.29	-101.87	-101.72
1252	-4803	-4218	-14991	-1.32	-102.07	-101.97
1248	-4808	-4092	-14991	-1.35	-102.17	-102.12
1244	-4808	-3965	-14991	-1.38	-102.17	-102.17
1238	-4803	-3837	-14991	-1.42	-102.06	-102.11

1231	-4793	-3708	-14991	-1.45	-101.85	-101.96
1223	-4778	-3577	-14991	-1.48	-101.53	-101.69
1213	-4758	-3446	-14991	-1.52	-101.11	-101.32
1202	-4732	-3315	-14991	-1.56	-100.57	-100.84
1190	-4702	-3183	-14991	-1.59	-99.91	-100.24
1177	-4666	-3051	-14991	-1.63	-99.14	-99.53
1162	-4624	-2919	-14991	-1.67	-98.26	-98.70
1145	-4577	-2787	-14991	-1.71	-97.26	-97.76
1128	-4524	-2656	-14991	-1.75	-96.14	-96.70
1109	-4466	-2525	-14991	-1.79	-94.90	-95.52
1089	-4402	-2395	-14991	-1.83	-93.54	-94.22
1068	-4333	-2266	-14991	-1.87	-92.07	-92.81
1045	-4257	-2138	-14991	-1.91	-90.47	-91.27
1021	-4176	-2012	-14991	-1.96	-88.75	-89.61
996	-4090	-1888	-14991	-2.00	-86.91	-87.83
970	-3998	-1765	-14991	-2.05	-84.95	-85.93
942	-3900	-1644	-14991	-2.09	-82.87	-83.91
914	-3797	-1526	-14991	-2.14	-80.68	-81.78
884	-3688	-1411	-14991	-2.19	-78.37	-79.52
853	-3574	-1298	-14991	-2.24	-75.94	-77.15
821	-3454	-1189	-14991	-2.29	-73.40	-74.67
788	-3329	-1083	-14991	-2.34	-70.75	-72.07
755	-3199	-980	-14991	-2.40	-67.98	-69.37
720	-3064	-881	-14991	-2.45	-65.12	-66.55
684	-2924	-787	-14991	-2.51	-62.14	-63.63
648	-2780	-696	-14991	-2.56	-59.07	-60.61
610	-2631	-610	-14991	-2.62	-55.90	-57.48
573	-2477	-529	-14991	-2.68	-52.64	-54.27
534	-2319	-453	-14991	-2.74	-49.28	-50.96
495	-2157	-382	-14991	-2.80	-45.84	-47.56
455	-1992	-317	-14991	-2.87	-42.32	-44.08

414	-1822	-257	-14991	-2.93	-38.72	-40.52
374	-1650	-202	-14991	-3.00	-35.06	-36.89
333	-1474	-154	-14991	-3.06	-31.32	-33.19
291	-1296	-112	-14991	-3.13	-27.53	-29.43
249	-1114	-76	-14991	-3.20	-23.68	-25.61
208	-931	-47	-14991	-3.28	-19.79	-21.73
166	-746	-24	-14991	-3.35	-15.85	-17.82
124	-559	-8	-14991	-3.43	-11.88	-13.86
82	-371	2	-14991	-3.51	-7.88	-9.88
40	-181	4	-14991	-3.59	-3.85	-5.87
-2	9	0	-14991	-3.67	0.18	-1.84
-43	199	-12	-14991	-3.75	4.22	2.20
-84	389	-31	-14991	-3.84	8.27	6.25
-125	579	-57	-14991	-3.93	12.30	10.28
-165	768	-90	-14991	-4.02	16.31	14.31
-205	956	-130	-14991	-4.11	20.31	18.31
-244	1142	-177	-14991	-4.20	24.26	22.28
-282	1326	-231	-14991	-4.30	28.18	26.22
-320	1508	-293	-14991	-4.40	32.05	30.11
-356	1687	-361	-14991	-4.50	35.86	33.95
-392	1863	-436	-14991	-4.60	39.60	37.73
-427	2036	-518	-14991	-4.71	43.27	41.43
-461	2205	-606	-14991	-4.82	46.85	45.06
-493	2369	-701	-14991	-4.93	50.34	48.60
-525	2529	-802	-14991	-5.05	53.73	52.04
-555	2683	-909	-14991	-5.16	57.02	55.38
-583	2832	-1021	-14991	-5.28	60.18	58.60
-611	2975	-1139	-14991	-5.41	63.22	61.70
-637	3112	-1262	-14991	-5.53	66.13	64.68
-661	3242	-1389	-14991	-5.66	68.90	67.51
-684	3365	-1521	-14991	-5.79	71.51	70.20

-705	3481	-1658	-14991	-5.93	73.97	72.74
-725	3589	-1797	-14991	-6.06	76.27	75.12
-743	3689	-1940	-14991	-6.20	78.40	77.33
-759	3781	-2086	-14991	-6.35	80.35	79.37
-773	3864	-2233	-14991	-6.49	82.11	81.23
-785	3938	-2383	-14991	-6.64	83.69	82.90
-796	4003	-2534	-14991	-6.79	85.07	84.38
-805	4059	-2685	-14991	-6.95	86.25	85.66
-811	4105	-2836	-14991	-7.10	87.23	86.74
-816	4141	-2987	-14991	-7.26	88.00	87.62
-819	4167	-3136	-14991	-7.42	88.56	88.28
-820	4183	-3284	-14991	-7.58	88.90	88.73
-819	4189	-3429	-14991	-7.75	89.02	88.96
-816	4185	-3570	-14991	-7.91	88.93	88.97
-811	4170	-3708	-14991	-8.08	88.61	88.77
-804	4145	-3841	-14991	-8.25	88.07	88.34
-795	4109	-3968	-14991	-8.41	87.32	87.69
-784	4063	-4089	-14991	-8.58	86.34	86.83
-772	4007	-4203	-14991	-8.75	85.15	85.75
-757	3941	-4308	-14991	-8.91	83.75	84.45
-741	3865	-4405	-14991	-9.07	82.13	82.94
-723	3780	-4493	-14991	-9.23	80.32	81.23
-703	3685	-4570	-14991	-9.38	78.31	79.32
-682	3582	-4637	-14991	-9.52	76.11	77.21
-660	3470	-4691	-14991	-9.66	73.74	74.92
-636	3350	-4733	-14991	-9.79	71.19	72.46
-610	3223	-4762	-14991	-9.91	68.49	69.84
-584	3089	-4777	-14991	-10.02	65.65	67.07
-556	2950	-4778	-14991	-10.11	62.68	64.16
-528	2804	-4764	-14991	-10.18	59.59	61.14
-499	2655	-4736	-14991	-10.24	56.42	58.00

-470	2502	-4692	-14991	-10.28	53.16	54.79
-440	2346	-4633	-14991	-10.29	49.85	51.51
-410	2189	-4559	-14991	-10.27	46.51	48.18
-380	2031	-4470	-14991	-10.23	43.15	44.83
-350	1873	-4367	-14991	-10.16	39.81	41.48
-320	1718	-4250	-14991	-10.04	36.50	38.15
-291	1564	-4121	-14991	-9.90	33.24	34.87
-263	1415	-3980	-14991	-9.71	30.07	31.66
-237	1277	-3848	-14991	-9.46	27.13	28.60
-212	1143	-3706	-14991	-9.16	24.28	25.71
-188	1011	-3546	-14991	-8.83	21.49	22.88
-163	882	-3362	-14991	-8.46	18.73	20.11
-139	753	-3145	-14991	-8.06	16.01	17.37
-116	627	-2887	-14991	-7.64	13.32	14.66
-93	503	-2579	-14991	-7.19	10.68	12.00
-71	383	-2214	-14991	-6.72	8.13	9.41
-50	269	-1784	-14991	-6.20	5.72	6.92
-31	165	-1281	-14991	-5.65	3.51	4.62
-14	75	-700	-14991	-5.04	1.60	2.56
-1	3	-39	-14991	-4.36	0.07	0.83
8	-45	706	-14991	-3.60	-0.96	-0.45
12	-66	1532	-14991	-2.73	-1.39	-1.18
10	-52	2434	-14991	-1.74	-1.11	-1.25
0	0	3407	-14991	-0.62	0.00	-0.55
-18	95	4440	-14991	0.66	2.02	1.01
-44	236	5520	-14991	2.10	5.02	3.52
-79	426	6631	-14991	3.71	9.06	7.04
-123	665	7756	-14991	5.50	14.14	11.60
-176	953	8877	-14991	7.47	20.25	17.20
-238	1287	9972	-14991	9.61	27.35	23.80
-307	1663	11023	-14991	11.89	35.34	31.34

-383	2075	12011	-14991	14.32	44.10	39.72
-465	2517	12917	-14991	16.85	53.49	48.79
-551	2980	13727	-14991	19.46	63.33	58.41
-640	3456	14426	-14991	22.11	73.44	68.39
-729	3935	15006	-14991	24.78	83.62	78.53
-817	4408	15458	-14991	27.42	93.66	88.64
-903	4865	15780	-14991	30.00	103.38	98.52
-985	5299	15971	-14991	32.49	112.59	107.99
-1060	5700	16033	-14991	34.84	121.13	116.86
-1129	6064	15973	-14991	37.04	128.87	125.00
-1190	6385	15798	-14991	39.07	135.68	132.27
-1243	6658	15519	-14991	40.89	141.48	138.58
-1286	6882	15146	-14991	42.51	146.23	143.86
-1320	7054	14693	-14991	43.90	149.91	148.07
-1345	7177	14172	-14991	45.08	152.51	151.21
-1361	7250	13597	-14991	46.04	154.07	153.29
-1368	7277	12981	-14991	46.79	154.64	154.36
-1368	7261	12335	-14991	47.33	154.30	154.47
-1359	7205	11672	-14991	47.69	153.11	153.70
-1345	7115	11001	-14991	47.87	151.18	152.15
-1324	6993	10332	-14991	47.89	148.61	149.90
-1299	6846	9672	-14991	47.77	145.49	147.05
-1269	6678	9029	-14991	47.53	141.92	143.70
-1237	6494	8406	-14991	47.17	137.99	139.95
-1202	6296	7809	-14991	46.73	133.80	135.89
-1165	6091	7240	-14991	46.20	129.42	131.61
-1127	5880	6701	-14991	45.61	124.94	127.18
-1089	5666	6195	-14991	44.96	120.41	122.68
-1050	5454	5720	-14991	44.28	115.90	118.15
-1012	5244	5278	-14991	43.56	111.44	113.67
-975	5040	4867	-14991	42.81	107.09	109.27

-939	4842	4487	-14991	42.05	102.88	104.99
-904	4651	4136	-14991	41.28	98.84	100.86
-871	4470	3814	-14991	40.49	94.99	96.91
-840	4298	3518	-14991	39.71	91.34	93.16
-811	4137	3248	-14991	38.92	87.92	89.63
-784	3987	3001	-14991	38.14	84.73	86.33
-759	3849	2776	-14991	37.37	81.78	83.26
-737	3730	2577	-14991	36.61	79.25	80.52
-718	3622	2396	-14991	35.88	76.97	78.11
-701	3525	2231	-14991	35.16	74.92	75.94
-686	3440	2082	-14991	34.44	73.11	74.01
-673	3366	1946	-14991	33.74	71.53	72.32
-663	3303	1822	-14991	33.04	70.19	70.86
-654	3251	1709	-14991	32.36	69.08	69.63
-648	3209	1607	-14991	31.68	68.19	68.63
-644	3178	1513	-14991	31.02	67.52	67.86
-641	3156	1427	-14991	30.37	67.07	67.30
-641	3145	1348	-14991	29.73	66.83	66.95
-643	3143	1274	-14991	29.11	66.78	66.81
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-652	3166	1141	-14991	27.89	67.27	67.10
-659	3190	1080	-14991	27.30	67.78	67.53
-668	3222	1022	-14991	26.72	68.47	68.13
-679	3262	965	-14991	26.15	69.31	68.89
-691	3308	910	-14991	25.60	70.30	69.81
-705	3362	856	-14991	25.06	71.44	70.87
-720	3422	801	-14991	24.52	72.71	72.08
-737	3488	746	-14991	24.00	74.11	73.41
-754	3559	691	-14991	23.49	75.62	74.87
-773	3635	634	-14991	23.00	77.24	76.43
-794	3715	576	-14991	22.51	78.95	78.10

-815	3800	516	-14991	22.03	80.75	79.85
-837	3889	454	-14991	21.56	82.63	81.69
-860	3980	389	-14991	21.11	84.58	83.61
-884	4075	322	-14991	20.66	86.59	85.59
-908	4172	251	-14991	20.22	88.65	87.62
-933	4271	178	-14991	19.79	90.76	89.71
-959	4372	101	-14991	19.38	92.90	91.83
-985	4473	21	-14991	18.97	95.06	93.98
-1012	4576	-62	-14991	18.56	97.24	96.15
-1039	4679	-149	-14991	18.17	99.43	98.34
-1066	4782	-239	-14991	17.79	101.63	100.53
-1093	4885	-333	-14991	17.41	103.82	102.72
-1121	4988	-431	-14991	17.05	105.99	104.90
-1148	5089	-532	-14991	16.69	108.15	107.07
-1175	5190	-637	-14991	16.33	110.28	109.21
-1203	5288	-745	-14991	15.99	112.37	111.33
-1230	5385	-856	-14991	15.65	114.43	113.40
-1256	5480	-971	-14991	15.32	116.45	115.44
-1283	5572	-1089	-14991	15.00	118.41	117.43
-1309	5662	-1210	-14991	14.68	120.32	119.36
-1334	5749	-1334	-14991	14.37	122.16	121.24
-1359	5833	-1461	-14991	14.06	123.95	123.06
-1383	5913	-1591	-14991	13.77	125.66	124.80
-1407	5990	-1723	-14991	13.47	127.30	126.48
-1430	6064	-1858	-14991	13.19	128.86	128.08
-1452	6133	-1995	-14991	12.91	130.34	129.60
-1474	6199	-2134	-14991	12.63	131.73	131.03
-1495	6261	-2275	-14991	12.36	133.04	132.39
-1514	6318	-2417	-14991	12.10	134.26	133.65
-1533	6371	-2561	-14991	11.84	135.38	134.82
-1551	6420	-2707	-14991	11.59	136.42	135.90

-1568	6464	-2854	-14991	11.34	137.35	136.88
-1584	6503	-3001	-14991	11.10	138.19	137.77
-1599	6538	-3150	-14991	10.86	138.93	138.56
-1612	6568	-3299	-14991	10.62	139.57	139.25
-1625	6593	-3449	-14991	10.39	140.11	139.84
-1636	6614	-3599	-14991	10.17	140.55	140.33
-1647	6630	-3749	-14991	9.94	140.89	140.72
-1656	6641	-3899	-14991	9.73	141.12	141.01
-1664	6648	-4048	-14991	9.51	141.26	141.19
-1670	6649	-4198	-14991	9.30	141.29	141.28
-1676	6646	-4346	-14991	9.10	141.23	141.26
-1680	6638	-4494	-14991	8.89	141.06	141.15
-1683	6626	-4641	-14991	8.69	140.80	140.93
-1685	6609	-4787	-14991	8.50	140.44	140.62
-1686	6587	-4932	-14991	8.31	139.98	140.21
-1685	6561	-5076	-14991	8.12	139.43	139.71
-1684	6531	-5217	-14991	7.93	138.79	139.11
-1681	6496	-5358	-14991	7.75	138.05	138.42
-1677	6458	-5497	-14991	7.57	137.22	137.64
-1671	6415	-5633	-14991	7.40	136.31	136.77
-1665	6367	-5768	-14991	7.22	135.31	135.81
-1657	6316	-5901	-14991	7.05	134.22	134.77
-1648	6262	-6032	-14991	6.89	133.06	133.64
-1638	6203	-6160	-14991	6.72	131.81	132.44
-1627	6141	-6286	-14991	6.56	130.49	131.15
-1615	6075	-6410	-14991	6.40	129.09	129.79
-1602	6006	-6532	-14991	6.24	127.62	128.36
-1588	5933	-6650	-14991	6.09	126.08	126.85
-1572	5858	-6767	-14991	5.93	124.48	125.28
-1556	5779	-6880	-14991	5.78	122.80	123.64
-1539	5697	-6991	-14991	5.64	121.07	121.94

-1520	5613	-7100	-14991	5.49	119.27	120.17
-1501	5526	-7205	-14991	5.35	117.42	118.35
-1481	5436	-7308	-14991	5.20	115.51	116.46
-1460	5343	-7408	-14991	5.06	113.55	114.53
-1438	5249	-7506	-14991	4.93	111.54	112.54
-1416	5152	-7600	-14991	4.79	109.47	110.50
-1392	5053	-7692	-14991	4.66	107.37	108.42
-1368	4951	-7781	-14991	4.53	105.22	106.29
-1343	4848	-7867	-14991	4.39	103.03	104.12
-1317	4743	-7950	-14991	4.27	100.80	101.91
-1291	4637	-8031	-14991	4.14	98.53	99.66
-1264	4528	-8109	-14991	4.01	96.23	97.38
-1236	4418	-8184	-14991	3.89	93.89	95.06
-1207	4307	-8256	-14991	3.77	91.53	92.71
-1179	4194	-8326	-14991	3.64	89.13	90.33
-1149	4081	-8393	-14991	3.52	86.71	87.92
-1119	3965	-8458	-14991	3.41	84.27	85.49
-1088	3849	-8520	-14991	3.29	81.80	83.03
-1057	3732	-8579	-14991	3.17	79.31	80.55
-1026	3614	-8636	-14991	3.06	76.79	78.05
-994	3495	-8690	-14991	2.94	74.26	75.53
-962	3375	-8742	-14991	2.83	71.72	72.99
-929	3254	-8792	-14991	2.72	69.16	70.44
-896	3133	-8839	-14991	2.61	66.58	67.87
-863	3011	-8884	-14991	2.50	63.99	65.28
-829	2889	-8927	-14991	2.39	61.39	62.69
-795	2766	-8967	-14991	2.28	58.78	60.08
-760	2642	-9006	-14991	2.17	56.15	57.46
-726	2519	-9042	-14991	2.07	53.52	54.84
-691	2394	-9076	-14991	1.96	50.88	52.20
-656	2270	-9108	-14991	1.86	48.24	49.56

-620	2145	-9138	-14991	1.75	45.58	46.91
-585	2020	-9166	-14991	1.65	42.92	44.25
-549	1895	-9193	-14991	1.55	40.26	41.59
-513	1769	-9217	-14991	1.44	37.59	38.93
-477	1643	-9239	-14991	1.34	34.92	36.26
-441	1517	-9260	-14991	1.24	32.24	33.58
-405	1391	-9279	-14991	1.14	29.57	30.91
-368	1265	-9296	-14991	1.04	26.89	28.23
-332	1139	-9312	-14991	0.94	24.20	25.54
-295	1013	-9325	-14991	0.84	21.52	22.86
-258	886	-9338	-14991	0.74	18.83	20.17
-222	760	-9348	-14991	0.64	16.14	17.49
-185	633	-9357	-14991	0.54	13.45	14.80
-148	507	-9364	-14991	0.44	10.76	12.11
-111	380	-9369	-14991	0.34	8.07	9.42
-74	253	-9373	-14991	0.25	5.38	6.73
-37	127	-9376	-14991	0.15	2.69	4.04
0	0	-7767	-14991	0.03	0.00	1.35
31	-105	-7766	-14991	-0.01	-2.23	-1.11
61	-210	-7764	-14991	-0.03	-4.46	-3.34
92	-315	-7760	-14991	-0.04	-6.69	-5.57
122	-419	-7754	-14991	-0.06	-8.91	-7.80
153	-524	-7747	-14991	-0.08	-11.14	-10.03
183	-629	-7738	-14991	-0.10	-13.36	-12.25
214	-733	-7728	-14991	-0.11	-15.58	-14.47
244	-838	-7716	-14991	-0.13	-17.80	-16.69
274	-942	-7702	-14991	-0.15	-20.02	-18.91
305	-1046	-7687	-14991	-0.17	-22.23	-21.12
335	-1150	-7669	-14991	-0.19	-24.44	-23.33
364	-1254	-7650	-14991	-0.20	-26.64	-25.54
394	-1357	-7630	-14991	-0.22	-28.84	-27.74

424	-1460	-7607	-14991	-0.24	-31.03	-29.93
453	-1563	-7583	-14991	-0.26	-33.21	-32.12
482	-1665	-7557	-14991	-0.27	-35.39	-34.30
511	-1767	-7529	-14991	-0.29	-37.55	-36.47
540	-1869	-7499	-14991	-0.31	-39.71	-38.63
568	-1970	-7467	-14991	-0.33	-41.86	-40.79
597	-2070	-7433	-14991	-0.34	-44.00	-42.93
625	-2170	-7397	-14991	-0.36	-46.12	-45.06
652	-2270	-7359	-14991	-0.38	-48.23	-47.18
679	-2368	-7318	-14991	-0.40	-50.33	-49.28
706	-2466	-7276	-14991	-0.41	-52.41	-51.37
733	-2563	-7231	-14991	-0.43	-54.47	-53.44
759	-2659	-7185	-14991	-0.45	-56.51	-55.49
785	-2755	-7136	-14991	-0.46	-58.54	-57.53
810	-2849	-7084	-14991	-0.48	-60.54	-59.54
835	-2942	-7030	-14991	-0.50	-62.52	-61.53
860	-3034	-6974	-14991	-0.52	-64.47	-63.50
884	-3125	-6916	-14991	-0.53	-66.40	-65.43
907	-3214	-6855	-14991	-0.55	-68.30	-67.35
930	-3302	-6791	-14991	-0.57	-70.16	-69.23
952	-3388	-6725	-14991	-0.58	-72.00	-71.08
974	-3473	-6657	-14991	-0.60	-73.80	-72.90
995	-3556	-6586	-14991	-0.62	-75.56	-74.68
1015	-3637	-6512	-14991	-0.64	-77.28	-76.42
1034	-3716	-6436	-14991	-0.65	-78.96	-78.12
1053	-3793	-6357	-14991	-0.67	-80.60	-79.78
1071	-3868	-6276	-14991	-0.69	-82.19	-81.40
1089	-3940	-6192	-14991	-0.70	-83.73	-82.96
1105	-4011	-6106	-14991	-0.72	-85.22	-84.48
1121	-4078	-6016	-14991	-0.73	-86.66	-85.94
1135	-4143	-5925	-14991	-0.75	-88.04	-87.35

1149	-4205	-5831	-14991	-0.77	-89.36	-88.70
1162	-4265	-5734	-14991	-0.78	-90.62	-89.99
1174	-4321	-5634	-14991	-0.80	-91.82	-91.22
1185	-4374	-5533	-14991	-0.81	-92.94	-92.38
1195	-4424	-5428	-14991	-0.83	-94.00	-93.47
1204	-4470	-5322	-14991	-0.85	-94.98	-94.49
1211	-4513	-5213	-14991	-0.86	-95.89	-95.44
1218	-4552	-5102	-14991	-0.88	-96.72	-96.31
1223	-4587	-4988	-14991	-0.89	-97.47	-97.09
1228	-4618	-4873	-14991	-0.91	-98.13	-97.80
1231	-4645	-4755	-14991	-0.92	-98.70	-98.42
1233	-4668	-4636	-14991	-0.94	-99.19	-98.95
1234	-4686	-4514	-14991	-0.95	-99.58	-99.38
1233	-4700	-4391	-14991	-0.97	-99.88	-99.73
1231	-4709	-4266	-14991	-0.98	-100.07	-99.98
1228	-4714	-4140	-14991	-0.99	-100.17	-100.12
1224	-4714	-4012	-14991	-1.01	-100.16	-100.17
1218	-4708	-3883	-14991	-1.02	-100.05	-100.11
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1203	-4682	-3622	-14991	-1.05	-99.50	-99.67
1193	-4661	-3490	-14991	-1.06	-99.06	-99.28
1182	-4635	-3358	-14991	-1.08	-98.50	-98.78
1170	-4603	-3225	-14991	-1.09	-97.82	-98.16
1156	-4566	-3091	-14991	-1.10	-97.03	-97.42
1141	-4523	-2958	-14991	-1.11	-96.11	-96.57
1124	-4474	-2825	-14991	-1.13	-95.08	-95.59
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1066	-4293	-2427	-14991	-1.16	-91.23	-91.93
1044	-4221	-2297	-14991	-1.17	-89.69	-90.46
1021	-4143	-2167	-14991	-1.18	-88.03	-88.86

996	-4058	-2039	-14991	-1.19	-86.24	-87.14
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943	-3872	-1787	-14991	-1.21	-82.28	-83.31
915	-3770	-1665	-14991	-1.22	-80.12	-81.20
885	-3662	-1544	-14991	-1.23	-77.82	-78.97
854	-3548	-1426	-14991	-1.24	-75.40	-76.61
822	-3428	-1312	-14991	-1.25	-72.85	-74.13
788	-3303	-1200	-14991	-1.26	-70.18	-71.52
754	-3171	-1092	-14991	-1.27	-67.39	-68.79
719	-3034	-987	-14991	-1.27	-64.48	-65.94
682	-2892	-886	-14991	-1.28	-61.45	-62.97
645	-2744	-789	-14991	-1.29	-58.31	-59.88
606	-2591	-697	-14991	-1.29	-55.05	-56.68
567	-2432	-609	-14991	-1.30	-51.69	-53.37
527	-2269	-527	-14991	-1.30	-48.21	-49.95
485	-2100	-449	-14991	-1.31	-44.63	-46.42
444	-1927	-377	-14991	-1.32	-40.95	-42.79
401	-1750	-310	-14991	-1.32	-37.18	-39.07
358	-1568	-249	-14991	-1.32	-33.32	-35.25
314	-1382	-195	-14991	-1.33	-29.36	-31.34
270	-1192	-146	-14991	-1.33	-25.33	-27.35
225	-998	-104	-14991	-1.33	-21.22	-23.27
180	-802	-69	-14991	-1.34	-17.03	-19.13
135	-602	-41	-14991	-1.34	-12.78	-14.91
89	-399	-20	-14991	-1.34	-8.47	-10.63
43	-193	-6	-14991	-1.34	-4.11	-6.29
-3	14	0	-14991	-1.34	0.30	-1.90
-49	224	-1	-14991	-1.34	4.76	2.53
-95	435	-10	-14991	-1.34	9.25	7.00
-142	648	-27	-14991	-1.34	13.76	11.51
-188	861	-52	-14991	-1.34	18.30	16.03

-233	1075	-85	-14991	-1.34	22.85	20.58
-279	1290	-126	-14991	-1.33	27.41	25.13
-324	1504	-176	-14991	-1.33	31.97	29.69
-368	1718	-233	-14991	-1.33	36.51	34.24
-413	1931	-300	-14991	-1.32	41.04	38.78
-456	2143	-374	-14991	-1.32	45.55	43.30
-499	2354	-457	-14991	-1.31	50.02	47.78
-541	2562	-548	-14991	-1.31	54.45	52.23
-583	2768	-648	-14991	-1.30	58.83	56.64
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-663	3172	-873	-14991	-1.29	67.41	65.28
-701	3369	-997	-14991	-1.28	71.59	69.50
-739	3562	-1130	-14991	-1.28	75.70	73.64
-775	3751	-1270	-14991	-1.27	79.71	77.70
-811	3935	-1419	-14991	-1.26	83.62	81.66
-845	4114	-1575	-14991	-1.25	87.43	85.52
-877	4288	-1739	-14991	-1.24	91.12	89.27
-909	4456	-1910	-14991	-1.23	94.69	92.91
-939	4618	-2088	-14991	-1.22	98.13	96.41
-967	4774	-2273	-14991	-1.21	101.44	99.78
-994	4922	-2465	-14991	-1.19	104.60	103.02
-1019	5064	-2663	-14991	-1.18	107.61	106.10
-1043	5198	-2867	-14991	-1.17	110.46	109.03
-1065	5324	-3078	-14991	-1.16	113.15	111.80
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-1104	5553	-3514	-14991	-1.13	118.00	116.83
-1121	5654	-3740	-14991	-1.11	120.16	119.08
-1136	5747	-3971	-14991	-1.10	122.12	121.14
-1149	5831	-4205	-14991	-1.08	123.90	123.01
-1161	5905	-4444	-14991	-1.07	125.47	124.69
-1170	5969	-4686	-14991	-1.05	126.85	126.16

-1178	6024	-4931	-14991	-1.03	128.02	127.43
-1183	6069	-5178	-14991	-1.01	128.97	128.49
-1187	6104	-5428	-14991	-1.00	129.71	129.34
-1189	6129	-5680	-14991	-0.98	130.24	129.98
-1189	6143	-5933	-14991	-0.96	130.55	130.39
-1187	6148	-6186	-14991	-0.94	130.63	130.59
-1182	6141	-6441	-14991	-0.92	130.50	130.57
-1177	6124	-6695	-14991	-0.90	130.14	130.32
-1169	6097	-6949	-14991	-0.88	129.55	129.85
-1159	6058	-7202	-14991	-0.86	128.74	129.15
-1147	6010	-7453	-14991	-0.84	127.71	128.23
-1133	5951	-7703	-14991	-0.82	126.45	127.08
-1118	5881	-7950	-14991	-0.79	124.97	125.71
-1100	5801	-8195	-14991	-0.77	123.27	124.12
-1081	5710	-8437	-14991	-0.75	121.34	122.30
-1060	5610	-8674	-14991	-0.73	119.20	120.27
-1037	5499	-8908	-14991	-0.70	116.85	118.03
-1013	5378	-9137	-14991	-0.68	114.29	115.57
-987	5248	-9361	-14991	-0.65	111.52	112.90
-959	5108	-9580	-14991	-0.63	108.55	110.03
-930	4959	-9792	-14991	-0.61	105.38	106.96
-899	4801	-9999	-14991	-0.58	102.02	103.70
-866	4634	-10199	-14991	-0.56	98.47	100.24
-832	4458	-10392	-14991	-0.53	94.74	96.60
-797	4275	-10577	-14991	-0.50	90.83	92.79
-760	4083	-10754	-14991	-0.48	86.76	88.80
-722	3884	-10924	-14991	-0.45	82.53	84.65
-683	3678	-11085	-14991	-0.43	78.15	80.34
-643	3464	-11237	-14991	-0.40	73.62	75.88
-602	3245	-11380	-14991	-0.37	68.95	71.28
-559	3019	-11513	-14991	-0.35	64.16	66.55

-516	2788	-11637	-14991	-0.32	59.24	61.70
-472	2551	-11751	-14991	-0.29	54.22	56.73
-427	2310	-11855	-14991	-0.26	49.09	51.65
-381	2064	-11948	-14991	-0.24	43.87	46.48
-335	1815	-12031	-14991	-0.21	38.57	41.22
-288	1562	-12103	-14991	-0.18	33.19	35.88
-241	1306	-12164	-14991	-0.15	27.76	30.48
-193	1048	-12215	-14991	-0.13	22.27	25.01
-145	788	-12254	-14991	-0.10	16.74	19.50
-97	526	-12282	-14991	-0.07	11.18	13.96
-49	263	-12299	-14991	-0.04	5.59	8.38
0	0	-12305	-14991	-0.01	0.00	2.80