

Test Name	HPL, PF, rep 3
Cladding	High Pressure Laminate (HPL)
Cladding Thickness [mm]	8
Insulation	Phenolic (PF) foam
Insulation Thickness [mm]	100
Cavity Width [mm]	50
Repetition Number	3
Mass Flow Rate (Propane)	0.2
Description	This experiment is on a system consisting of a High Pressure Laminate (HPL) cladding panel and a Phenolic (PF) foam insulation panel, separated with a cavity of 50 mm width. It is the third repetition of this system configuration.
Experiment Notes	At approximately 8 minutes the HPL panel began to touch the insulation panel, affecting the mass measurements. At approximately 18 minutes the HPL panel began to collapse, causing a sudden change in the mass measurements as debris fell into the debris tray, onto both load cells, or off the entire assembly. Some of the debris had to be removed from the assembly to protect the equipment. The Phenolic foam insulation was seen to continue smouldering after the experiment was terminated, requiring extinguishment.
Peak HRR [kW]	151
Time to Peak HRR [mins]	8.67
Residual HRR [kW]	24.7
Total HR [MJ]	122
Peak dQ/dt [kW/s]	0.61
Time to Peak dQ/dt [s]	8.15

Test Time [s]	Heat Release Rate HRR [kW]	HRR Smoothed [kW]	Mass Rainscreen [kg]	Mass Insulation [kg]	Mass Drip Tray [kg]	Mass Total [kg]	MLR Rainscreen Smoothed 100pt [g/s]	MLR Insulation Smoothed 100pt [g/s]	MLR Drip Tray Smoothed 100pt [g/s]	MLR Total Smoothed 100pt [g/s]
0	0.623	0.623	6.9524	2.3171	-0.0009	9.2686	0.1389	0.2458	0.0205	0.4052
1	0.659	0.629	6.9528	2.3162	-0.0008	9.2682	0.1498	0.2438	0.0179	0.4116
2	0.607	0.67	6.9531	2.3152	-0.0009	9.2675	0.1617	0.2465	0.0139	0.4221
3	0.603	0.731	6.9531	2.3149	-0.0007	9.2673	0.1611	0.2381	0.0147	0.4139
4	0.858	0.809	6.9529	2.3147	-0.0008	9.2668	0.1471	0.2369	0.0146	0.3985
5	0.892	1	6.9528	2.314	-0.0009	9.2659	0.1316	0.2309	0.0178	0.3803
6	0.874	1.39	6.9526	2.3134	-0.0008	9.2652	0.1321	0.229	0.0158	0.377
7	0.934	1.88	6.9527	2.3125	-0.0009	9.2643	0.1433	0.2279	0.0165	0.3877
8	1.23	2.48	6.9528	2.3118	-0.001	9.2637	0.1402	0.224	0.0187	0.3829
9	1.63	3.05	6.9526	2.3115	-0.001	9.2631	0.1369	0.2202	0.0184	0.3755
10	2.11	3.46	6.9528	2.3111	-0.0011	9.2628	0.1446	0.2183	0.0181	0.3811
11	3.04	3.89	6.9527	2.3111	-0.0011	9.2627	0.1471	0.2142	0.0147	0.376
12	3.98	4.33	6.9525	2.3115	-0.0012	9.2627	0.149	0.2071	0.0115	0.3676
13	4.77	4.78	6.9523	2.311	-0.0012	9.2621	0.1577	0.2017	0.0095	0.3689
14	5.44	5.24	6.952	2.3105	-0.0013	9.2613	0.1817	0.2012	0.0062	0.3892
15	6.62	5.71	6.9517	2.3104	-0.0013	9.2608	0.1968	0.1953	0.0045	0.3966
16	7.28	6.17	6.9515	2.3107	-0.0013	9.2609	0.2107	0.1932	0.0069	0.4107
17	7.79	6.61	6.9514	2.3103	-0.0014	9.2603	0.2133	0.1864	0.0129	0.4127
18	7.94	7.04	6.9513	2.31	-0.0016	9.2598	0.214	0.1842	0.0116	0.4098
19	8.52	7.43	6.9511	2.3098	-0.0015	9.2593	0.2267	0.1885	0.0126	0.4278
20	8.8	7.8	6.9508	2.3094	-0.0016	9.2587	0.2277	0.1956	0.0148	0.4381
21	9.01	8.11	6.9508	2.309	-0.0016	9.2582	0.227	0.1942	0.017	0.4382
22	9.01	8.38	6.9506	2.3091	-0.0016	9.2581	0.2332	0.1935	0.0179	0.4445
23	9.73	8.62	6.9506	2.3086	-0.0016	9.2575	0.2441	0.1949	0.0187	0.4577
24	9.72	8.85	6.9503	2.3083	-0.0016	9.257	0.2628	0.1943	0.0164	0.4735
25	9.61	9.02	6.9503	2.3082	-0.0017	9.2568	0.2657	0.1932	0.0145	0.4735
26	9.43	9.15	6.9502	2.3084	-0.0017	9.2569	0.2634	0.195	0.0142	0.4726
27	9.32	9.26	6.9502	2.3081	-0.0016	9.2566	0.2559	0.199	0.0128	0.4677
28	8.96	9.37	6.9503	2.308	-0.0016	9.2567	0.2587	0.1997	0.0127	0.471

29	9.13	9.44	6.9503	2.3077	-0.0015	9.2565	0.2648	0.1994	0.013	0.4772
30	9.06	9.49	6.9502	2.3077	-0.0014	9.2565	0.2752	0.1985	0.0124	0.4862
31	9.09	9.52	6.9503	2.3077	-0.0015	9.2565	0.2853	0.2022	0.0102	0.4977
32	9.4	9.56	6.9502	2.3074	-0.0015	9.2561	0.2928	0.2056	0.008	0.5063
33	9.8	9.56	6.9502	2.307	-0.0015	9.2557	0.292	0.2066	0.0071	0.5057
34	9.76	9.57	6.9499	2.3065	-0.0015	9.2549	0.2906	0.2078	0.0049	0.5033
35	9.86	9.56	6.9497	2.3067	-0.0015	9.2549	0.2909	0.2047	0.0012	0.4967
36	9.88	9.56	6.9496	2.3068	-0.0015	9.2549	0.2869	0.2033	0.0022	0.4924
37	9.91	9.59	6.9495	2.3066	-0.0015	9.2546	0.2908	0.1987	0.0031	0.4927
38	9.9	9.64	6.9491	2.3067	-0.0016	9.2543	0.293	0.1962	0.0024	0.4916
39	9.65	9.68	6.9481	2.3068	-0.0016	9.2533	0.2988	0.1939	0.0036	0.4962
40	9.7	9.75	6.9478	2.3067	-0.0017	9.2527	0.3126	0.1918	0.0043	0.5087
41	9.67	9.79	6.9483	2.3064	-0.0023	9.2524	0.3299	0.1884	0.0043	0.5225
42	9.82	9.8	6.9486	2.3066	-0.0023	9.2529	0.3354	0.1888	0.0042	0.5285
43	9.95	9.77	6.9488	2.3066	-0.0021	9.2533	0.3365	0.1865	0.0057	0.5288
44	9.34	9.75	6.9489	2.3066	-0.0021	9.2534	0.344	0.1857	0.0054	0.535
45	9.5	9.73	6.949	2.3067	-0.0021	9.2536	0.3503	0.1822	0.0071	0.5396
46	9.93	9.71	6.9491	2.3065	-0.0021	9.2535	0.3523	0.1824	0.0062	0.5409
47	9.82	9.69	6.9487	2.3063	-0.0021	9.2528	0.3468	0.1859	0.0074	0.5401
48	9.96	9.69	6.9478	2.3058	-0.002	9.2516	0.3579	0.182	0.0093	0.5492
49	10.3	9.7	6.947	2.3058	-0.0019	9.2509	0.3661	0.1851	0.011	0.5622
50	9.76	9.72	6.9463	2.3057	-0.0018	9.2501	0.3721	0.1861	0.0124	0.5706
51	9.75	9.73	6.9455	2.3053	-0.0016	9.2492	0.3654	0.179	0.012	0.5564
52	9.18	9.74	6.9454	2.3055	-0.0017	9.2492	0.3791	0.1734	0.0123	0.5648
53	9.32	9.72	6.946	2.3053	-0.0017	9.2496	0.3937	0.1703	0.0113	0.5754
54	9.53	9.74	6.9467	2.3054	-0.0019	9.2502	0.4072	0.1763	0.0119	0.5954
55	9.39	9.78	6.9465	2.3053	-0.0018	9.25	0.4122	0.1781	0.0116	0.6019
56	9.69	9.8	6.9458	2.3051	-0.0019	9.249	0.4326	0.1728	0.0105	0.6159
57	9.78	9.81	6.9458	2.3051	-0.002	9.2489	0.435	0.1724	0.0108	0.6182
58	9.85	9.8	6.9459	2.3051	-0.002	9.249	0.4358	0.1669	0.0084	0.611
59	10	9.77	6.9453	2.305	-0.002	9.2483	0.4323	0.169	0.0073	0.6085
60	10	9.81	6.945	2.305	-0.0018	9.2482	0.4336	0.1703	0.007	0.6109
61	9.92	9.87	6.9447	2.3052	-0.0016	9.2483	0.4441	0.1682	0.007	0.6193
62	9.56	9.95	6.944	2.3054	-0.0015	9.2479	0.4541	0.1708	0.0091	0.6341
63	9.65	10	6.9423	2.3052	-0.0013	9.2462	0.4664	0.178	0.0097	0.654
64	10.4	10.1	6.9411	2.3054	-0.0012	9.2453	0.4757	0.1773	0.0121	0.6651
65	10.2	10.2	6.94	2.3053	-0.0014	9.244	0.4898	0.177	0.0129	0.6796

66	9.94	10.4	6.9396	2.3056	-0.0018	9.2435	0.5082	0.1751	0.0158	0.6991
67	9.77	10.5	6.9394	2.3056	-0.0017	9.2433	0.5263	0.182	0.0149	0.7232
68	9.9	10.6	6.9383	2.3051	-0.0018	9.2416	0.5333	0.1783	0.0118	0.7234
69	10.5	10.7	6.938	2.3044	-0.002	9.2404	0.5507	0.1799	0.0098	0.7404
70	10.9	10.8	6.9378	2.3043	-0.0021	9.24	0.5639	0.1836	0.0082	0.7556
71	10.7	10.9	6.9371	2.3042	-0.0022	9.2391	0.5711	0.1848	0.0045	0.7603
72	10.9	11	6.9361	2.3039	-0.0023	9.2377	0.5855	0.1911	0.0035	0.78
73	11.2	11.2	6.9345	2.3037	-0.0021	9.2361	0.5965	0.197	0.005	0.7984
74	11.5	11.3	6.934	2.3036	-0.002	9.2356	0.6072	0.1977	0.005	0.8099
75	12.4	11.4	6.9339	2.3033	-0.002	9.2352	0.615	0.1997	0.0072	0.8218
76	11.3	11.5	6.9342	2.3028	-0.0019	9.2351	0.6291	0.2078	0.007	0.8439
77	11.8	11.7	6.9338	2.3025	-0.0019	9.2344	0.632	0.2145	0.006	0.8525
78	12.2	11.8	6.933	2.3023	-0.0019	9.2334	0.6287	0.2151	0.0036	0.8475
79	11.9	11.9	6.9319	2.3022	-0.0019	9.2322	0.6399	0.2177	0.005	0.8626
80	12.2	12	6.9308	2.3017	-0.0017	9.2308	0.6493	0.2181	0.0057	0.873
81	12.4	12.1	6.9299	2.3012	-0.0016	9.2296	0.6595	0.2234	0.0068	0.8897
82	12.3	12.2	6.9297	2.3009	-0.0015	9.2291	0.6766	0.229	0.0057	0.9113
83	11.8	12.3	6.9295	2.3006	-0.0013	9.2288	0.6912	0.2353	0.005	0.9315
84	12.7	12.4	6.9292	2.3007	-0.001	9.2289	0.7118	0.2424	-0.0051	0.9492
85	12.3	12.4	6.9293	2.3006	-0.0011	9.2288	0.7183	0.2489	0.0019	0.9691
86	12.7	12.5	6.9286	2.3008	-0.0012	9.2283	0.7295	0.2599	0.0072	0.9966
87	12.6	12.6	6.9282	2.3008	-0.0011	9.2279	0.7359	0.2625	0.0052	1.0036
88	12.7	12.8	6.9273	2.3008	-0.0012	9.227	0.7906	0.2662	-0.0176	1.0392
89	12.2	12.9	6.9258	2.3008	-0.0013	9.2253	0.7692	0.2782	0.0121	1.0594
90	12.5	13	6.9239	2.3009	-0.0013	9.2236	0.7854	0.2881	0.0065	1.08
91	12.7	13.1	6.9231	2.3007	-0.0013	9.2225	0.8048	0.2906	0.0015	1.0968
92	13.1	13.2	6.9226	2.3007	-0.0014	9.2219	0.8348	0.2903	-0.0109	1.1142
93	13.3	13.3	6.9216	2.3006	-0.0014	9.2208	0.8537	0.2926	-0.014	1.1322
94	13.4	13.4	6.9207	2.3008	-0.0016	9.2199	0.8673	0.2949	-0.007	1.1552
95	12.9	13.5	6.9201	2.3006	-0.0015	9.2192	0.878	0.2941	-0.0057	1.1664
96	14.4	13.6	6.9203	2.3001	-0.0016	9.2187	0.8862	0.2938	-0.0057	1.1743
97	14.7	13.7	6.9189	2.3003	-0.0018	9.2173	0.8964	0.2944	-0.006	1.1848
98	13.9	13.8	6.9177	2.2998	-0.002	9.2155	0.9037	0.2962	-0.0047	1.1952
99	14.2	13.9	6.9167	2.2995	-0.0022	9.2141	0.9171	0.2956	-0.005	1.2077
100	14.1	14	6.9159	2.2992	-0.0021	9.213	0.9265	0.2985	-0.0045	1.2205
101	14.2	14.1	6.9149	2.2989	-0.002	9.2118	0.9352	0.2926	-0.0041	1.2237
102	13.8	14.2	6.9137	2.2982	-0.002	9.2099	0.9423	0.2932	-0.0029	1.2327

103	14.6	14.3	6.9124	2.2973	-0.0019	9.2077	0.9593	0.3053	-0.0069	1.2577
104	14.3	14.4	6.9116	2.2969	-0.002	9.2066	0.9895	0.3054	-0.008	1.2869
105	14.9	14.5	6.9095	2.2967	-0.0019	9.2043	1.0314	0.3119	-0.0103	1.333
106	14.4	14.6	6.9091	2.2962	-0.0019	9.2034	1.0554	0.3189	-0.0104	1.3639
107	14.9	14.6	6.9091	2.2958	-0.0017	9.2032	1.0719	0.3184	-0.0115	1.3788
108	14.2	14.7	6.9096	2.2949	-0.0017	9.2028	1.0886	0.3251	-0.013	1.4007
109	14.2	14.8	6.9093	2.2944	-0.0017	9.202	1.1189	0.3299	-0.013	1.4358
110	14.4	14.9	6.9084	2.2943	-0.0018	9.2009	1.1415	0.3381	-0.014	1.4656
111	14.7	15	6.9073	2.294	-0.002	9.1993	1.1552	0.3429	-0.0122	1.4859
112	14.8	15.1	6.9058	2.2937	-0.0022	9.1973	1.1866	0.3554	-0.0107	1.5313
113	15.4	15.3	6.9047	2.2933	-0.0024	9.1956	1.1991	0.3641	-0.0096	1.5536
114	14.9	15.4	6.903	2.2929	-0.0026	9.1933	1.1994	0.3706	-0.0077	1.5624
115	15.9	15.5	6.9009	2.2929	-0.0029	9.1909	1.2123	0.3823	-0.0034	1.5912
116	15.3	15.6	6.8989	2.2925	-0.0028	9.1886	1.2319	0.3909	-0.006	1.6168
117	15.9	15.7	6.8981	2.2925	-0.0026	9.1879	1.2515	0.3999	-0.0077	1.6437
118	15.9	15.9	6.8963	2.292	-0.0026	9.1857	1.2617	0.4051	-0.006	1.6608
119	16.4	16.1	6.8947	2.2914	-0.0023	9.1837	1.2647	0.4156	-0.0088	1.6714
120	16.2	16.3	6.8937	2.291	-0.002	9.1826	1.2718	0.4222	-0.0104	1.6836
121	16.2	16.5	6.8923	2.2899	-0.0019	9.1802	1.2841	0.4404	-0.0117	1.7129
122	17	16.7	6.891	2.2894	-0.0021	9.1782	1.3035	0.4562	-0.0163	1.7434
123	16.3	16.9	6.8898	2.2888	-0.0021	9.1765	1.3152	0.4683	-0.0211	1.7624
124	16.7	17.2	6.8888	2.2884	-0.0023	9.1748	1.3069	0.4727	-0.0207	1.7589
125	17.2	17.3	6.8874	2.2874	-0.0024	9.1724	1.3119	0.4735	-0.0226	1.7627
126	17	17.6	6.887	2.2869	-0.0023	9.1716	1.343	0.4759	-0.0255	1.7934
127	16.7	17.7	6.8873	2.2866	-0.002	9.1719	1.3715	0.4723	-0.0243	1.8195
128	18.3	17.9	6.8863	2.2863	-0.0021	9.1704	1.377	0.4774	-0.0194	1.8349
129	18.4	18	6.8854	2.2859	-0.0021	9.1691	1.3997	0.4844	-0.0236	1.8605
130	18.5	18.2	6.8843	2.2854	-0.0021	9.1676	1.4328	0.4879	-0.0269	1.8938
131	19.2	18.4	6.8826	2.2848	-0.0021	9.1654	1.4512	0.4904	-0.0265	1.9151
132	19.9	18.6	6.8811	2.2839	-0.002	9.163	1.4678	0.4932	-0.0259	1.9351
133	19.6	18.8	6.879	2.2827	-0.001	9.1607	1.4945	0.4964	-0.0268	1.9641
134	18.5	19.1	6.878	2.2816	-0.0017	9.158	1.5179	0.4977	-0.0239	1.9917
135	19.9	19.3	6.8767	2.2808	-0.0022	9.1553	1.5332	0.5083	-0.0188	2.0227
136	18.9	19.5	6.876	2.2805	-0.002	9.1545	1.5574	0.52	-0.0181	2.0594
137	18.5	19.7	6.8704	2.28	0.0003	9.1507	1.5795	0.5329	-0.0182	2.0942
138	19	19.9	6.8722	2.2789	-0.0028	9.1484	1.6149	0.5305	-0.0165	2.1289
139	20	20	6.8696	2.278	-0.0023	9.1453	1.6401	0.5361	-0.0182	2.1581

140	20.1	20.1	6.8673	2.2776	-0.0019	9.143	1.6614	0.5511	-0.0236	2.1889
141	20.4	20.3	6.8648	2.2774	-0.0012	9.141	1.6885	0.5695	-0.0281	2.2299
142	21.4	20.3	6.8632	2.2773	-0.0009	9.1396	1.7087	0.5701	-0.0363	2.2424
143	21.6	20.4	6.8621	2.2771	-0.0014	9.1378	1.7448	0.5792	-0.0391	2.2848
144	20.9	20.6	6.8611	2.2772	-0.0015	9.1368	1.7543	0.5901	-0.0351	2.3093
145	20.6	20.6	6.8604	2.2773	-0.0015	9.1362	1.7804	0.6049	-0.0404	2.3448
146	20.9	20.8	6.8595	2.2771	-0.0015	9.135	1.8056	0.607	-0.0434	2.3691
147	21.4	21	6.8583	2.2766	-0.0016	9.1333	1.8472	0.612	-0.0484	2.4107
148	20	21.2	6.8561	2.2763	-0.0015	9.1309	1.8686	0.6249	-0.0541	2.4394
149	21.5	21.3	6.8543	2.276	-0.0015	9.1288	1.8887	0.6309	-0.0577	2.4619
150	22.1	21.5	6.8528	2.2764	-0.0014	9.1278	1.9047	0.6392	-0.0604	2.4835
151	21	21.7	6.8513	2.276	-0.0014	9.1259	1.9304	0.6389	-0.0591	2.5103
152	21.2	21.7	6.8495	2.2749	-0.001	9.1234	1.934	0.6471	-0.0604	2.5207
153	21.1	21.8	6.8471	2.2748	-0.0009	9.1209	1.9509	0.6505	-0.061	2.5404
154	21.7	21.9	6.8436	2.2742	-0.0009	9.1169	1.9886	0.6493	-0.0602	2.5778
155	21.6	22.1	6.841	2.2734	-0.0008	9.1136	2.0183	0.6595	-0.0624	2.6154
156	22.2	22.2	6.8386	2.2733	-0.0007	9.1111	2.0284	0.6674	-0.0658	2.63
157	23.2	22.4	6.8369	2.2726	-0.0007	9.1088	2.0755	0.6738	-0.0678	2.6815
158	22.3	22.5	6.834	2.2721	-0.0007	9.1054	2.1264	0.6825	-0.067	2.7419
159	22.8	22.7	6.8311	2.2712	-0.0006	9.1017	2.1846	0.6832	-0.0698	2.798
160	23.9	22.9	6.8294	2.2707	-0.0006	9.0996	2.2274	0.6866	-0.0718	2.8422
161	23	23.2	6.826	2.2697	-0.0006	9.0952	2.2645	0.6907	-0.0739	2.8813
162	23	23.6	6.8241	2.269	-0.0006	9.0925	2.3037	0.6987	-0.0752	2.9272
163	23.2	24	6.8224	2.2682	-0.0005	9.09	2.3196	0.7111	-0.0774	2.9533
164	23.3	24.3	6.8199	2.2672	-0.0009	9.0862	2.3428	0.7081	-0.0774	2.9735
165	23.7	24.6	6.8168	2.2662	-0.0008	9.0823	2.3813	0.7229	-0.0759	3.0283
166	23.9	25	6.8145	2.2656	-0.001	9.0791	2.4103	0.7264	-0.083	3.0537
167	23.4	25.3	6.8132	2.2651	-0.0011	9.0772	2.4452	0.7301	-0.0889	3.0864
168	24.4	25.6	6.8118	2.2635	-0.0009	9.0745	2.4868	0.7354	-0.0868	3.1354
169	26.8	25.9	6.8108	2.2622	-0.0009	9.0721	2.5188	0.7378	-0.087	3.1696
170	26.8	26.2	6.8094	2.2603	-0.001	9.0687	2.5617	0.7438	-0.0894	3.216
171	28.2	26.4	6.8068	2.2585	-0.0006	9.0648	2.5876	0.7479	-0.0874	3.2482
172	28.4	26.7	6.8046	2.257	-0.0002	9.0615	2.6163	0.7462	-0.0885	3.2739
173	27.5	26.8	6.8038	2.2564	-0.0001	9.0602	2.661	0.7524	-0.0913	3.3221
174	28.3	27	6.8028	2.2563	0.0003	9.0593	2.6888	0.7551	-0.0946	3.3494
175	28.2	27.2	6.7996	2.2557	0.0006	9.0559	2.7232	0.7622	-0.0988	3.3866
176	28.7	27.4	6.7971	2.2555	0.0005	9.0532	2.7405	0.7507	-0.098	3.3932

177	28.1	27.6	6.7961	2.2548	0	9.0509	2.773	0.7588	-0.099	3.4328
178	29.6	27.8	6.7931	2.2539	0.0004	9.0474	2.8174	0.7728	-0.1011	3.4892
179	29.7	27.8	6.7886	2.2534	0.0008	9.0428	2.8534	0.7728	-0.1096	3.5167
180	27.2	28	6.7857	2.2527	0.0009	9.0393	2.8973	0.7789	-0.1143	3.5618
181	27.5	28.1	6.7832	2.2519	0.001	9.0361	2.9233	0.7868	-0.1168	3.5933
182	26.2	28.2	6.7803	2.2513	0.0012	9.0327	2.9241	0.7811	-0.1166	3.5887
183	26.9	28.3	6.7777	2.2509	0.0011	9.0297	2.9317	0.7838	-0.1168	3.5987
184	27.1	28.4	6.7759	2.2499	0.0009	9.0266	2.9338	0.7811	-0.1051	3.6098
185	26.9	28.6	6.7735	2.2486	0.0007	9.0228	2.955	0.7756	-0.1126	3.618
186	27.5	28.7	6.7707	2.2475	0.0006	9.0188	2.986	0.7733	-0.1168	3.6425
187	27.8	28.9	6.7667	2.2478	0.0005	9.015	3.0416	0.7776	-0.1147	3.7045
188	28.4	29.1	6.7633	2.2472	0.0006	9.0111	3.0355	0.7801	-0.093	3.7226
189	29.2	29.3	6.7597	2.2457	0.0011	9.0064	3.1034	0.7712	-0.1229	3.7517
190	30.8	29.8	6.7551	2.244	0.0015	9.0006	3.1329	0.7694	-0.1191	3.7833
191	29.6	30	6.7522	2.2437	0.0023	8.9983	3.1683	0.7697	-0.1168	3.8212
192	29.9	30.5	6.7482	2.2428	0.0025	8.9935	3.178	0.778	-0.1101	3.8459
193	30.2	30.9	6.7462	2.2416	0.0021	8.9899	3.206	0.7861	-0.1089	3.8832
194	31.6	31.4	6.7426	2.2403	0.0025	8.9854	3.2531	0.7916	-0.1122	3.9325
195	30.9	31.8	6.7396	2.2399	0.0028	8.9823	3.2763	0.7961	-0.1143	3.9581
196	32.1	32.2	6.7356	2.2389	0.0032	8.9777	3.3127	0.8032	-0.1136	4.0023
197	34.2	32.7	6.732	2.2378	0.0036	8.9734	3.3462	0.8067	-0.1107	4.0422
198	33.2	33.2	6.7288	2.2367	0.0038	8.9693	3.3702	0.8078	-0.1088	4.0692
199	35.8	33.7	6.7263	2.2356	0.0039	8.9657	3.3874	0.8151	-0.1057	4.0968
200	32.7	34.1	6.7228	2.2353	0.0038	8.9619	3.4214	0.8152	-0.1056	4.131
201	34.1	34.9	6.7215	2.2342	0.004	8.9597	3.4637	0.8291	-0.1069	4.186
202	34.6	35.5	6.7187	2.2331	0.0041	8.9559	3.4917	0.8368	-0.1093	4.2192
203	36.5	36.1	6.7135	2.2323	0.0041	8.95	3.5325	0.8326	-0.1132	4.2519
204	34.8	36.7	6.7098	2.231	0.0042	8.945	3.5612	0.8382	-0.1185	4.2809
205	36	37.4	6.7066	2.23	0.0047	8.9413	3.5832	0.8445	-0.1206	4.3072
206	36.6	38.1	6.7015	2.2288	0.0049	8.9352	3.6152	0.8498	-0.1196	4.3454
207	38.3	38.7	6.6965	2.2276	0.005	8.9291	3.6283	0.8554	-0.1194	4.3643
208	38.3	39.4	6.6911	2.2266	0.0053	8.923	3.6713	0.8558	-0.1205	4.4066
209	39.4	40	6.6865	2.2258	0.0055	8.9178	3.7095	0.8593	-0.1242	4.4446
210	43.3	40.9	6.6819	2.2252	0.0056	8.9128	3.718	0.8525	-0.1257	4.4448
211	41.8	41.8	6.6769	2.2241	0.0055	8.9066	3.7424	0.8532	-0.1275	4.4682
212	42.5	42.7	6.6739	2.2226	0.0056	8.902	3.7676	0.8522	-0.1275	4.4923
213	43.1	43.5	6.6704	2.2225	0.0053	8.8982	3.7881	0.8508	-0.1285	4.5103

214	44.2	44.3	6.6649	2.2206	0.005	8.8905	3.82	0.8505	-0.1307	4.5398
215	44.9	45.2	6.6599	2.2203	0.0054	8.8855	3.8508	0.8522	-0.1366	4.5664
216	45.1	46.1	6.6544	2.2195	0.0061	8.8799	3.8785	0.8534	-0.1386	4.5934
217	46.2	46.8	6.6494	2.2189	0.0061	8.8744	3.9011	0.8569	-0.1502	4.6078
218	47.7	47.6	6.6444	2.2182	0.0061	8.8688	3.9421	0.8608	-0.1526	4.6504
219	49.7	48.3	6.6385	2.217	0.0066	8.8621	3.9883	0.8539	-0.1506	4.6916
220	50.5	48.8	6.635	2.2162	0.0067	8.8578	4.0453	0.8454	-0.1531	4.7377
221	53	49.5	6.6306	2.2153	0.0069	8.8528	4.0806	0.8453	-0.156	4.7699
222	50.7	50.2	6.6249	2.2141	0.007	8.846	4.0956	0.8318	-0.1527	4.7746
223	50.9	50.8	6.621	2.2133	0.0074	8.8416	4.131	0.8305	-0.1562	4.8052
224	53.7	51.4	6.6165	2.2121	0.0075	8.8362	4.1699	0.8328	-0.1566	4.846
225	52	51.9	6.6133	2.2123	0.0074	8.8331	4.2181	0.8403	-0.1554	4.903
226	53.1	52.4	6.6097	2.211	0.0076	8.8283	4.2389	0.84	-0.153	4.9258
227	53.6	52.9	6.6056	2.2093	0.0081	8.823	4.2683	0.8382	-0.1569	4.9496
228	51.4	53.4	6.6009	2.209	0.0089	8.8188	4.3155	0.831	-0.1642	4.9824
229	52.4	53.7	6.5956	2.208	0.0093	8.813	4.3379	0.8309	-0.1608	5.008
230	55.7	54.2	6.5919	2.2067	0.0096	8.8082	4.3351	0.8356	-0.1581	5.0125
231	56	54.4	6.5902	2.2067	0.0096	8.8065	4.366	0.8407	-0.1576	5.0491
232	54.3	54.9	6.5879	2.2055	0.0097	8.8031	4.4062	0.8441	-0.1591	5.0912
233	55.9	55.2	6.5856	2.2046	0.0095	8.7998	4.424	0.8443	-0.1608	5.1075
234	54.1	55.4	6.5825	2.2041	0.0096	8.7962	4.4543	0.8522	-0.1623	5.1442
235	55.1	55.6	6.5781	2.2034	0.0095	8.791	4.4977	0.8527	-0.1664	5.184
236	54.7	55.8	6.5719	2.2027	0.0095	8.7841	4.5326	0.8426	-0.1709	5.2043
237	56.9	56.1	6.5668	2.202	0.0096	8.7784	4.5647	0.8478	-0.1836	5.2288
238	56.5	56.4	6.5619	2.2018	0.0095	8.7732	4.574	0.8587	-0.1881	5.2446
239	60.7	56.7	6.5563	2.201	0.0097	8.767	4.5835	0.8601	-0.1902	5.2534
240	56.6	56.8	6.5505	2.2006	0.0098	8.7609	4.6014	0.8522	-0.1889	5.2647
241	58.7	56.9	6.547	2.1996	0.0098	8.7564	4.6256	0.844	-0.1861	5.2835
242	58.3	57.2	6.5426	2.1987	0.01	8.7513	4.6674	0.841	-0.1807	5.3277
243	56.2	57.3	6.5368	2.1979	0.0098	8.7445	4.6873	0.8407	-0.1897	5.3383
244	56.3	57.6	6.5335	2.1976	0.0099	8.741	4.714	0.8445	-0.1996	5.3589
245	57.1	58	6.5292	2.197	0.0098	8.7359	4.7424	0.8359	-0.1945	5.3838
246	58.5	58.3	6.5248	2.1964	0.0096	8.7308	4.7646	0.8348	-0.1977	5.4017
247	57.8	58.5	6.5213	2.1958	0.0093	8.7264	4.7892	0.8425	-0.1963	5.4354
248	58.5	58.9	6.5173	2.1948	0.0091	8.7212	4.7968	0.8469	-0.1956	5.4482
249	56.9	59	6.5122	2.1944	0.0091	8.7157	4.837	0.8395	-0.1956	5.4808
250	58.1	59.5	6.5064	2.1935	0.0093	8.7092	4.8759	0.8389	-0.196	5.5188

251	60	59.7	6.5021	2.1923	0.0096	8.704	4.8878	0.8425	-0.1979	5.5324
252	57.3	59.8	6.4962	2.1917	0.0103	8.6982	4.939	0.8399	-0.2003	5.5786
253	59.9	60	6.4909	2.1909	0.0109	8.6928	4.9716	0.8417	-0.2034	5.6099
254	62.4	60.5	6.4852	2.1898	0.0112	8.6862	4.9647	0.8417	-0.2024	5.604
255	60.8	60.9	6.4795	2.1884	0.0112	8.6791	4.9903	0.8305	-0.1996	5.6212
256	60.5	61.1	6.4757	2.1877	0.0112	8.6747	5.009	0.8331	-0.1942	5.6478
257	64.2	61.4	6.4698	2.187	0.0114	8.6682	5.0292	0.8287	-0.195	5.6629
258	62.8	61.8	6.463	2.1862	0.0117	8.6609	5.0464	0.8281	-0.1938	5.6806
259	65	62.1	6.4593	2.1859	0.012	8.6572	5.0561	0.8213	-0.1899	5.6875
260	63	62.4	6.4552	2.1854	0.0122	8.6528	5.0706	0.8201	-0.1865	5.7042
261	60.5	62.8	6.4493	2.1845	0.0122	8.646	5.0751	0.8222	-0.1841	5.7132
262	60.9	63.6	6.4453	2.1839	0.0123	8.6415	5.0931	0.8206	-0.186	5.7276
263	64.7	63.9	6.4404	2.1831	0.0125	8.636	5.1221	0.8192	-0.1862	5.7551
264	64.2	64.1	6.4348	2.1819	0.0128	8.6296	5.1545	0.8251	-0.1881	5.7914
265	62.3	64.5	6.429	2.1809	0.0131	8.623	5.1621	0.8157	-0.1935	5.7843
266	65.1	65	6.4244	2.1799	0.014	8.6183	5.1718	0.8191	-0.1908	5.8001
267	65	65.3	6.419	2.179	0.0142	8.6121	5.2025	0.8199	-0.192	5.8304
268	63.2	65.5	6.413	2.1781	0.0142	8.6053	5.1912	0.82	-0.2128	5.7985
269	63.9	65.8	6.4063	2.1776	0.0144	8.5983	5.2008	0.8226	-0.2188	5.8046
270	66.8	66.2	6.4014	2.1757	0.0147	8.5917	5.188	0.8179	-0.2192	5.7867
271	73	66.9	6.3972	2.1754	0.0147	8.5873	5.1966	0.8172	-0.2198	5.794
272	64.7	67.6	6.3915	2.174	0.0155	8.5809	5.1996	0.8133	-0.2224	5.7904
273	67.3	68	6.3868	2.1732	0.0156	8.5756	5.191	0.8091	-0.2247	5.7755
274	67.6	68.3	6.381	2.1722	0.0158	8.569	5.2052	0.8067	-0.2235	5.7884
275	70	68.8	6.3757	2.1717	0.0159	8.5633	5.2099	0.7957	-0.2257	5.7799
276	70	69.2	6.3703	2.1717	0.0162	8.5582	5.2398	0.815	-0.2298	5.825
277	67.8	69.8	6.3645	2.1717	0.0165	8.5527	5.2379	0.8052	-0.2281	5.815
278	70	70.3	6.3593	2.1708	0.0165	8.5466	5.2566	0.7928	-0.223	5.8265
279	70.8	70.8	6.3551	2.1699	0.0166	8.5416	5.2622	0.8012	-0.2205	5.8429
280	72.6	71.3	6.3491	2.1686	0.0167	8.5344	5.2711	0.7996	-0.2163	5.8544
281	74.5	71.5	6.3425	2.1675	0.0169	8.527	5.297	0.7935	-0.2122	5.8783
282	72.2	72.2	6.3379	2.1669	0.0173	8.522	5.3549	0.8013	-0.213	5.9432
283	70.8	72.6	6.3323	2.1656	0.0173	8.5152	5.4074	0.7976	-0.2175	5.9875
284	71.5	73	6.3261	2.1646	0.0175	8.5082	5.4736	0.8014	-0.2294	6.0456
285	72	73.6	6.3203	2.1644	0.0178	8.5024	5.5229	0.8033	-0.2378	6.0884
286	77.1	73.8	6.3142	2.1627	0.019	8.4959	5.5381	0.8023	-0.2434	6.0971
287	72.6	74.2	6.3093	2.1619	0.0193	8.4905	5.5241	0.8007	-0.245	6.0797

288	73.2	74.6	6.305	2.1612	0.0196	8.4858	5.5475	0.7972	-0.2444	6.1003
289	77.5	74.9	6.2995	2.1605	0.02	8.48	5.5792	0.8003	-0.2433	6.1362
290	75.8	75.1	6.2925	2.1596	0.0201	8.4722	5.5976	0.803	-0.2414	6.1592
291	78.1	75.3	6.2855	2.1596	0.0204	8.4655	5.622	0.8022	-0.2447	6.1795
292	75.8	75.7	6.2794	2.1588	0.0214	8.4596	5.6776	0.804	-0.2688	6.2128
293	75.1	76.2	6.2748	2.1572	0.0221	8.454	5.7014	0.8031	-0.2773	6.2272
294	80.3	76.8	6.2684	2.1567	0.0219	8.447	5.7258	0.8048	-0.281	6.2496
295	74.3	77.3	6.2631	2.1564	0.0226	8.4421	5.772	0.8108	-0.2869	6.2958
296	76	77.4	6.2567	2.1546	0.0228	8.4341	5.8007	0.816	-0.2923	6.3244
297	76.6	77.8	6.2523	2.1531	0.0232	8.4285	5.8378	0.8179	-0.2934	6.3623
298	77.7	78.1	6.2451	2.1527	0.0233	8.4212	5.8744	0.8179	-0.2962	6.3961
299	76.2	78.4	6.2387	2.1517	0.0235	8.4138	5.8867	0.8145	-0.3012	6.4
300	78.2	78.4	6.234	2.1511	0.0236	8.4087	5.8949	0.8189	-0.3037	6.4101
301	79.1	78.4	6.2276	2.1502	0.024	8.4018	5.8959	0.8192	-0.3048	6.4103
302	80.7	78.6	6.2215	2.149	0.0244	8.3949	5.9257	0.818	-0.2994	6.4443
303	82.1	78.9	6.2171	2.1481	0.0243	8.3896	5.9416	0.8217	-0.2947	6.4686
304	82	78.9	6.2108	2.1479	0.0242	8.3829	5.9744	0.8267	-0.2885	6.5125
305	79.3	79.2	6.2057	2.1466	0.0241	8.3765	5.9845	0.8201	-0.286	6.5186
306	79.9	79.5	6.1986	2.1459	0.0244	8.3689	5.9993	0.813	-0.2858	6.5265
307	79.3	79.7	6.1918	2.1448	0.0244	8.361	6.0427	0.8196	-0.2843	6.578
308	82.3	79.9	6.1855	2.1445	0.0243	8.3543	6.059	0.8271	-0.2834	6.6026
309	76.8	80.2	6.1795	2.1438	0.0241	8.3474	6.0675	0.8271	-0.2824	6.6122
310	78.7	80.3	6.1744	2.143	0.024	8.3414	6.0846	0.8323	-0.2813	6.6356
311	78.8	80.2	6.1676	2.1421	0.0241	8.3338	6.0998	0.8353	-0.2794	6.6557
312	80.8	80	6.1617	2.1406	0.0242	8.3265	6.1034	0.8411	-0.2796	6.6648
313	80.7	79.9	6.155	2.14	0.0241	8.3191	6.1282	0.847	-0.2797	6.6955
314	78.8	79.8	6.1487	2.139	0.0243	8.312	6.1436	0.854	-0.281	6.7166
315	81.8	80	6.1427	2.1383	0.0245	8.3055	6.168	0.8454	-0.2817	6.7317
316	81.1	80.2	6.1341	2.1375	0.0253	8.2969	6.1697	0.845	-0.289	6.7257
317	81.1	80.4	6.1303	2.1369	0.0274	8.2945	6.1847	0.8485	-0.285	6.7481
318	82.9	80.4	6.1243	2.136	0.028	8.2883	6.2106	0.8528	-0.2843	6.7792
319	79.2	80.7	6.1197	2.1352	0.0285	8.2835	6.2149	0.8503	-0.2835	6.7818
320	77.5	80.8	6.1153	2.1344	0.0287	8.2784	6.2105	0.8507	-0.2821	6.7791
321	77	80.9	6.1107	2.134	0.0291	8.2738	6.2227	0.8433	-0.2824	6.7836
322	79.4	80.9	6.1058	2.1332	0.0295	8.2685	6.2622	0.8506	-0.2836	6.8292
323	80.8	80.9	6.1004	2.1326	0.0297	8.2628	6.2769	0.8451	-0.2764	6.8457
324	83.4	81.2	6.0955	2.1326	0.0301	8.2582	6.3034	0.8451	-0.2726	6.8759

325	82.6	81.3	6.0893	2.1308	0.0304	8.2506	6.2996	0.8473	-0.2692	6.8777
326	84.4	81.6	6.0859	2.1305	0.0304	8.2468	6.3123	0.8541	-0.2684	6.8981
327	81.3	81.8	6.0799	2.13	0.0304	8.2403	6.3244	0.8647	-0.265	6.9241
328	82.6	81.8	6.0747	2.1288	0.0309	8.2345	6.3473	0.8835	-0.2715	6.9593
329	80.9	82.2	6.0685	2.128	0.031	8.2275	6.3839	0.883	-0.2746	6.9923
330	80.4	82.8	6.0622	2.1274	0.0308	8.2204	6.4172	0.8874	-0.2836	7.0211
331	80.9	83.5	6.0547	2.1266	0.0309	8.2122	6.4323	0.8838	-0.2864	7.0298
332	81.5	84.4	6.0472	2.1258	0.0314	8.2043	6.4429	0.8808	-0.2887	7.035
333	83.8	85.1	6.0383	2.1245	0.0325	8.1952	6.4709	0.8863	-0.2854	7.0717
334	84.5	85.5	6.0302	2.1237	0.0334	8.1873	6.4997	0.8866	-0.2839	7.1024
335	86	86	6.0243	2.1232	0.0338	8.1813	6.5023	0.8955	-0.2803	7.1175
336	85.1	86.5	6.0195	2.1227	0.034	8.1761	6.502	0.8975	-0.2741	7.1255
337	83.4	87.1	6.0121	2.1223	0.034	8.1684	6.4987	0.8853	-0.2594	7.1247
338	86.1	87.6	6.004	2.1218	0.0339	8.1596	6.5145	0.8873	-0.2519	7.1499
339	89.9	88.1	5.9965	2.1207	0.0338	8.151	6.5488	0.9022	-0.2509	7.2001
340	89.8	88.8	5.9883	2.1204	0.0343	8.1429	6.568	0.9006	-0.2539	7.2147
341	96.6	89.5	5.9793	2.1192	0.0367	8.1352	6.5772	0.9124	-0.2567	7.2329
342	93.8	90.1	5.9725	2.1184	0.0377	8.1286	6.5746	0.9281	-0.2574	7.2453
343	91.9	90.9	5.9642	2.1175	0.0379	8.1196	6.5876	0.9217	-0.2477	7.2616
344	92	91.7	5.9563	2.1165	0.0386	8.1114	6.6388	0.913	-0.2441	7.3077
345	92.4	92.2	5.9491	2.1154	0.0391	8.1035	6.6647	0.9214	-0.2511	7.3351
346	92.9	92.7	5.9411	2.1146	0.0389	8.0946	6.6793	0.9266	-0.2543	7.3516
347	93.4	93.4	5.9338	2.1141	0.0389	8.0868	6.6911	0.9156	-0.2588	7.3479
348	89.7	93.9	5.9287	2.1133	0.0392	8.0812	6.7183	0.9139	-0.2599	7.3723
349	92.9	94.1	5.9227	2.1125	0.0394	8.0747	6.7242	0.931	-0.2587	7.3965
350	94.8	94.4	5.9168	2.1116	0.0397	8.0681	6.7336	0.9228	-0.2581	7.3982
351	93.2	94.5	5.9096	2.1105	0.0395	8.0596	6.7846	0.9354	-0.2798	7.4402
352	98.5	94.6	5.9021	2.1095	0.0398	8.0514	6.7823	0.9331	-0.2818	7.4337
353	99.7	94.9	5.8935	2.1083	0.0398	8.0416	6.8012	0.9376	-0.2787	7.4601
354	95.7	95.5	5.8868	2.1077	0.0398	8.0343	6.8305	0.938	-0.2834	7.4851
355	95	95.9	5.8796	2.1071	0.0398	8.0264	6.8532	0.9543	-0.2984	7.5091
356	96.2	96.2	5.8715	2.1058	0.0397	8.0169	6.8747	0.9485	-0.301	7.5223
357	95.4	96.3	5.8639	2.1043	0.0397	8.0079	6.8782	0.9492	-0.2985	7.529
358	94.3	96.5	5.8563	2.1035	0.04	7.9997	6.8846	0.9469	-0.2986	7.5329
359	95.9	96.7	5.8509	2.1027	0.0401	7.9937	6.899	0.9541	-0.3057	7.5474
360	97.8	96.9	5.8452	2.1019	0.0401	7.9872	6.9145	0.9544	-0.3129	7.556
361	96.1	97.1	5.8389	2.1004	0.0402	7.9795	6.9402	0.9636	-0.3174	7.5863

362	97.8	97.1	5.8325	2.0992	0.0403	7.9719	6.9476	0.957	-0.3151	7.5895
363	103	97	5.826	2.0977	0.0406	7.9643	6.9886	0.9564	-0.311	7.6341
364	99.4	97	5.818	2.0974	0.041	7.9564	6.9887	0.9615	-0.3161	7.6341
365	98.3	97.1	5.812	2.0964	0.042	7.9504	7.0149	0.9796	-0.3196	7.675
366	95.4	97	5.8059	2.0951	0.0425	7.9435	7.0332	0.9764	-0.3271	7.6825
367	93.6	97.2	5.7979	2.0937	0.0426	7.9342	7.0223	0.9832	-0.3183	7.6873
368	96.4	97.3	5.7915	2.0931	0.0425	7.9271	7.063	0.982	-0.2955	7.7496
369	98.9	97.3	5.7852	2.0926	0.0426	7.9204	7.0928	0.9754	-0.29	7.7783
370	98.1	97.4	5.7791	2.0914	0.0429	7.9134	7.1298	0.977	-0.2925	7.8144
371	98.8	97.5	5.771	2.0903	0.0431	7.9044	7.1663	0.9823	-0.2957	7.8529
372	96.9	97.3	5.7638	2.0895	0.0431	7.8964	7.2043	0.9913	-0.2924	7.9032
373	95.3	96.9	5.7565	2.0887	0.0429	7.888	7.2248	1.0001	-0.2872	7.9378
374	97.5	96.7	5.751	2.0875	0.0427	7.8813	7.2682	1.0034	-0.285	7.9866
375	95.1	96.8	5.7445	2.0863	0.0427	7.8735	7.2866	1.0162	-0.2829	8.0199
376	98.3	96.9	5.7378	2.0853	0.0427	7.8658	7.3273	1.021	-0.2802	8.0681
377	96.7	97	5.7298	2.0833	0.0436	7.8567	7.3741	1.0227	-0.2878	8.1091
378	96.3	97.1	5.7209	2.0825	0.044	7.8473	7.3875	1.0248	-0.287	8.1253
379	98.7	97.1	5.7134	2.0811	0.045	7.8395	7.3983	1.0283	-0.2831	8.1435
380	97.7	97.4	5.7059	2.0802	0.0453	7.8314	7.4094	1.0291	-0.2838	8.1547
381	94	97.4	5.6982	2.0794	0.0458	7.8235	7.4242	1.0355	-0.2838	8.1759
382	94.8	97.4	5.6908	2.0782	0.0458	7.8148	7.43	1.04	-0.282	8.188
383	96.9	97.7	5.6823	2.077	0.0457	7.805	7.4503	1.0511	-0.2797	8.2216
384	99.3	97.6	5.6759	2.0751	0.0455	7.7965	7.4394	1.0589	-0.2746	8.2237
385	97.8	97.8	5.6701	2.0746	0.0452	7.7899	7.45	1.0657	-0.2674	8.2483
386	96	98	5.6643	2.0742	0.0449	7.7835	7.4749	1.0737	-0.2621	8.2865
387	97.5	98.3	5.6578	2.0732	0.0445	7.7755	7.5309	1.0861	-0.2636	8.3534
388	98.8	98.4	5.6501	2.071	0.0447	7.7658	7.5804	1.0902	-0.2681	8.4024
389	103	98.5	5.6427	2.0704	0.0453	7.7585	7.5733	1.0973	-0.2704	8.4002
390	100	98.6	5.6348	2.0684	0.0458	7.7489	7.5756	1.097	-0.271	8.4016
391	96.6	99	5.628	2.0668	0.0461	7.741	7.5565	1.1029	-0.2676	8.3918
392	99.7	99.5	5.6207	2.0666	0.0462	7.7335	7.5449	1.1065	-0.2457	8.4057
393	97.4	99.6	5.6109	2.0659	0.0465	7.7232	7.5748	1.1152	-0.2388	8.4511
394	98.6	99.9	5.6019	2.0646	0.047	7.7135	7.5805	1.1163	-0.2409	8.456
395	101	100	5.5952	2.0637	0.048	7.7069	7.6141	1.115	-0.245	8.4841
396	103	101	5.5876	2.0631	0.0487	7.6993	7.6409	1.1188	-0.2467	8.513
397	97.8	101	5.5805	2.0617	0.0491	7.6913	7.6635	1.1247	-0.2498	8.5384
398	100	102	5.5727	2.0596	0.0492	7.6815	7.6708	1.1274	-0.2499	8.5483

399	101	102	5.5653	2.0594	0.0493	7.674	7.7138	1.133	-0.2491	8.5977
400	102	102	5.5556	2.0575	0.0516	7.6647	7.7704	1.1371	-0.25	8.6575
401	103	103	5.5494	2.0569	0.0522	7.6585	7.7947	1.1477	-0.2603	8.6821
402	100	103	5.5414	2.0552	0.0523	7.6489	7.8047	1.156	-0.2648	8.6959
403	105	104	5.534	2.0543	0.0527	7.6411	7.8186	1.156	-0.262	8.7126
404	107	104	5.5255	2.0525	0.0541	7.632	7.8285	1.1543	-0.2656	8.7172
405	105	105	5.5183	2.0518	0.0542	7.6243	7.842	1.1613	-0.2708	8.7325
406	106	105	5.5108	2.051	0.0542	7.6161	7.8589	1.1689	-0.2722	8.7556
407	102	105	5.5034	2.0501	0.0542	7.6077	7.8596	1.1735	-0.2709	8.7621
408	105	106	5.4956	2.0491	0.0548	7.5995	7.8833	1.1823	-0.2718	8.7939
409	108	107	5.488	2.0483	0.0554	7.5918	7.8883	1.1834	-0.2713	8.8004
410	107	107	5.4804	2.0467	0.0557	7.5828	7.9329	1.1834	-0.2663	8.85
411	104	108	5.4728	2.0464	0.0556	7.5749	7.9894	1.1849	-0.2725	8.9019
412	111	108	5.4628	2.045	0.0553	7.5631	7.9748	1.1854	-0.2744	8.8859
413	106	108	5.4561	2.0438	0.0557	7.5557	7.9838	1.1895	-0.2739	8.8994
414	112	109	5.4472	2.041	0.0563	7.5445	8.0056	1.1892	-0.2748	8.9201
415	109	110	5.4394	2.0407	0.0572	7.5373	8.0028	1.2047	-0.2748	8.9328
416	110	110	5.4319	2.0392	0.0571	7.5282	8.0226	1.2088	-0.2659	8.9655
417	112	111	5.424	2.0387	0.0569	7.5196	8.056	1.2105	-0.2619	9.0047
418	115	112	5.415	2.0384	0.057	7.5105	8.0601	1.2092	-0.2596	9.0097
419	110	112	5.4067	2.0375	0.0578	7.502	8.0798	1.2168	-0.26	9.0366
420	112	113	5.3987	2.0362	0.0582	7.4931	8.0907	1.2283	-0.2599	9.0591
421	111	115	5.3902	2.0348	0.0584	7.4834	8.1082	1.2329	-0.2582	9.0829
422	108	115	5.3833	2.0332	0.0582	7.4747	8.0906	1.2362	-0.2583	9.0685
423	117	117	5.3736	2.0323	0.0582	7.4641	8.1074	1.2384	-0.2573	9.0885
424	118	117	5.3668	2.031	0.0584	7.4562	8.1039	1.2468	-0.2603	9.0904
425	114	118	5.3566	2.0287	0.0584	7.4437	8.136	1.2485	-0.2623	9.1222
426	121	118	5.3485	2.0282	0.0592	7.4359	8.1651	1.2542	-0.2667	9.1526
427	118	119	5.3412	2.0275	0.0591	7.4278	8.2367	1.2521	-0.2833	9.2056
428	121	120	5.3349	2.026	0.0592	7.4201	8.282	1.2447	-0.2865	9.2403
429	127	121	5.3276	2.0251	0.0594	7.4121	8.3153	1.2475	-0.2934	9.2694
430	128	121	5.3198	2.0238	0.0592	7.4028	8.3314	1.2459	-0.2863	9.291
431	127	122	5.3117	2.0226	0.0591	7.3934	8.3359	1.2461	-0.2869	9.2951
432	129	124	5.3021	2.0206	0.0594	7.3822	8.3249	1.2547	-0.2831	9.2965
433	121	124	5.2943	2.0186	0.0599	7.3728	8.3229	1.2494	-0.284	9.2883
434	121	125	5.2852	2.0172	0.0601	7.3625	8.3189	1.2485	-0.2854	9.282
435	119	126	5.2768	2.0158	0.06	7.3527	8.3508	1.2394	-0.2877	9.3025

436	131	126	5.2664	2.0141	0.0603	7.3408	8.3726	1.2523	-0.2939	9.331
437	124	127	5.2541	2.0133	0.0608	7.3281	8.396	1.2616	-0.3063	9.3514
438	127	127	5.2466	2.012	0.0609	7.3196	8.4254	1.2599	-0.3169	9.3684
439	126	127	5.239	2.011	0.0609	7.3109	8.4323	1.2473	-0.3153	9.3644
440	129	128	5.2326	2.0101	0.061	7.3038	8.4697	1.2607	-0.3188	9.4117
441	130	128	5.2248	2.0086	0.0612	7.2946	8.4712	1.2534	-0.3215	9.4031
442	130	128	5.215	2.0069	0.0616	7.2835	8.4871	1.257	-0.3185	9.4256
443	130	129	5.2061	2.0058	0.062	7.274	8.5011	1.2597	-0.3194	9.4414
444	131	129	5.1949	2.005	0.0631	7.263	8.5888	1.2519	-0.4012	9.4395
445	130	130	5.185	2.0035	0.0637	7.2522	8.6079	1.2733	-0.4105	9.4708
446	129	130	5.1747	2.0021	0.0639	7.2407	8.5837	1.3005	-0.4029	9.4813
447	130	131	5.1667	2.0013	0.0639	7.232	8.7434	1.2815	-0.3975	9.6274
448	129	131	5.1573	2	0.0641	7.2214	8.8622	1.3452	-0.502	9.7054
449	131	132	5.1457	1.9988	0.0644	7.2089	8.7105	1.4804	-0.6184	9.5725
450	134	132	5.1373	1.9968	0.0658	7.1999	8.6201	1.7068	-0.6213	9.7056
451	131	133	5.1291	1.9949	0.066	7.19	8.5074	1.757	-0.5984	9.666
452	133	133	5.1202	1.9939	0.066	7.1801	8.6069	1.6488	-0.5985	9.6572
453	132	134	5.1106	1.9928	0.0664	7.1698	8.4753	1.8056	-0.6051	9.6759
454	134	134	5.1026	1.9916	0.0669	7.1611	8.166	2.1342	-0.6081	9.6921
455	133	135	5.0937	1.9902	0.067	7.1509	8.1107	2.1966	-0.5987	9.7086
456	132	135	5.0855	1.9884	0.0668	7.1407	8.009	2.343	-0.5998	9.7522
457	137	136	5.0756	1.9861	0.0669	7.1285	8.0492	2.3278	-0.599	9.778
458	135	136	5.0674	1.9851	0.0671	7.1197	7.9445	2.4469	-0.6037	9.7878
459	138	137	5.0576	1.9844	0.0667	7.1087	7.9638	2.4614	-0.6084	9.8168
460	140	137	5.0463	1.9834	0.0673	7.097	8.0917	2.3768	-0.6088	9.8596
461	141	137	5.0415	1.9818	0.0676	7.0909	8.1153	2.3917	-0.6062	9.9009
462	142	138	5.0341	1.9802	0.0677	7.082	7.9034	2.6448	-0.6107	9.9376
463	141	138	5.0254	1.9788	0.0681	7.0723	7.7331	2.7941	-0.6158	9.9113
464	139	138	5.0178	1.9769	0.0684	7.0631	7.6038	2.9608	-0.6117	9.953
465	139	139	5.0098	1.9755	0.0686	7.0539	7.6129	2.9774	-0.605	9.9853
466	140	139	5.0003	1.974	0.0687	7.043	7.9021	2.7187	-0.596	10.0248
467	134	139	4.9919	1.9728	0.0685	7.0332	7.5011	3.1165	-0.5963	10.0213
468	139	139	4.9835	1.9714	0.0685	7.0235	7.4654	3.1753	-0.5952	10.0455
469	137	139	4.9762	1.9697	0.0686	7.0145	7.4872	3.1927	-0.5918	10.088
470	141	139	4.9683	1.9681	0.0687	7.0051	7.2311	3.4479	-0.5859	10.0931
471	141	139	4.962	1.9667	0.0689	6.9975	7.0289	3.6426	-0.5875	10.0839
472	141	139	4.9531	1.9656	0.0688	6.9875	6.9033	3.8372	-0.5902	10.1503

473	139	139	4.9461	1.964	0.0689	6.979	6.6935	4.0582	-0.5912	10.1605
474	139	139	4.9374	1.9626	0.0689	6.969	6.4488	4.3263	-0.591	10.1842
475	135	139	4.928	1.9608	0.0694	6.9582	6.2866	4.5591	-0.5874	10.2584
476	137	139	4.9141	1.96	0.071	6.9452	6.0586	4.728	-0.5843	10.2023
477	138	140	4.9016	1.9589	0.0723	6.9327	6.0098	4.7387	-0.5722	10.1763
478	139	140	4.8893	1.9578	0.0733	6.9204	6.0314	4.7773	-0.5772	10.2316
479	143	141	4.8803	1.9565	0.0736	6.9104	5.998	4.9006	-0.5776	10.3209
480	140	141	4.8723	1.9556	0.074	6.9019	5.9408	4.9484	-0.5763	10.3129
481	137	141	4.8658	1.954	0.0741	6.8938	5.9508	4.9606	-0.5798	10.3317
482	148	141	4.8585	1.9533	0.0742	6.886	5.7922	5.1211	-0.5796	10.3338
483	141	141	4.8504	1.9521	0.0742	6.8768	5.8359	4.7495	-0.576	10.0093
484	137	142	4.8408	1.9511	0.0743	6.8662	7.1888	3.5338	-0.5932	10.1294
485	140	142	4.8328	1.9494	0.0746	6.8568	7.7014	3.2755	-0.6065	10.3704
486	142	143	4.8247	1.948	0.0756	6.8483	7.5302	3.4587	-0.6063	10.3827
487	144	143	4.8153	1.9472	0.0762	6.8387	7.5697	3.4171	-0.6073	10.3795
488	147	143	4.8069	1.9463	0.0762	6.8294	7.4734	3.4623	-0.6176	10.3181
489	145	143	4.7958	1.9444	0.0772	6.8173	7.0944	3.8554	-0.6229	10.3268
490	145	143	4.7877	1.943	0.0779	6.8086	7.2017	3.7428	-0.622	10.3225
491	146	144	4.7793	1.9411	0.078	6.7984	7.0841	3.8757	-0.6216	10.3382
492	145	144	4.7706	1.9406	0.0782	6.7893	6.9546	4.0173	-0.6205	10.3514
493	140	144	4.752	1.9407	0.0866	6.7793	6.8566	4.0763	-0.6143	10.3186
494	147	144	4.7411	1.9372	0.0881	6.7664	6.8784	4.0744	-0.61	10.3428
495	145	145	4.7368	1.9337	0.0883	6.7588	6.7461	4.2135	-0.6012	10.3584
496	143	146	4.7132	1.9349	0.0885	6.7366	6.735	4.2031	-0.5957	10.3423
497	143	146	4.6943	1.9272	0.0993	6.7208	6.7314	4.2352	-0.5971	10.3695
498	141	146	4.7017	1.9116	0.111	6.7243	6.5073	4.5401	-0.6039	10.4436
499	147	147	4.7033	1.8887	0.1114	6.7034	6.4025	4.6577	-0.6104	10.4498
500	145	147	4.7048	1.8818	0.1114	6.6981	6.2361	4.7639	-0.6115	10.3885
501	143	148	4.6887	1.892	0.1121	6.6927	7.0808	3.9467	-0.5973	10.4303
502	147	149	4.6938	1.8746	0.1128	6.6813	6.5779	4.3905	-0.5948	10.3737
503	143	150	4.7174	1.8409	0.1135	6.6718	6.5671	4.2033	-0.5937	10.1767
504	158	150	4.7144	1.8328	0.1139	6.6611	6.7081	4.3137	-0.5886	10.4332
505	152	151	4.7174	1.8175	0.1142	6.649	6.5737	4.4592	-0.5822	10.4508
506	150	152	4.7059	1.8182	0.1142	6.6383	6.4963	4.5722	-0.5799	10.4887
507	152	153	4.7089	1.8054	0.1146	6.6289	6.3974	4.6999	-0.6118	10.4855
508	152	154	4.6992	1.8029	0.1157	6.6178	5.8997	5.1825	-0.6352	10.4469
509	159	155	4.6789	1.8106	0.1163	6.6058	5.7412	5.3552	-0.6393	10.4571

510	158	156	4.6689	1.8075	0.1164	6.5927	5.4687	5.6394	-0.66	10.4481
511	156	157	4.6825	1.7819	0.1167	6.5811	5.2634	5.8434	-0.6575	10.4493
512	160	158	4.6895	1.7656	0.1169	6.572	5.0151	6.0845	-0.6558	10.4438
513	157	158	4.6957	1.7478	0.1169	6.5604	4.8258	6.3021	-0.654	10.4739
514	164	158	4.6859	1.7433	0.1168	6.546	4.95	6.1716	-0.6578	10.4638
515	163	159	4.6492	1.7688	0.1168	6.5348	4.8107	6.3452	-0.6683	10.4876
516	157	159	4.6818	1.7275	0.1168	6.526	5.2563	5.9274	-0.6735	10.5103
517	165	159	4.6774	1.7212	0.1164	6.515	6.0303	5.1097	-0.679	10.461
518	164	159	4.6663	1.7192	0.1162	6.5017	5.9277	5.2025	-0.6812	10.4489
519	163	159	4.6836	1.6927	0.1164	6.4927	5.6685	5.4089	-0.682	10.3954
520	163	159	4.6958	1.672	0.117	6.4847	5.3753	5.8125	-0.6818	10.506
521	159	159	4.6999	1.6511	0.1174	6.4684	5.3608	5.8042	-0.6836	10.4815
522	156	159	4.7139	1.6274	0.1173	6.4586	5.1363	6.0179	-0.688	10.4662
523	158	158	4.7287	1.5997	0.1173	6.4457	5.2814	5.8759	-0.6947	10.4626
524	162	157	4.7382	1.575	0.1171	6.4304	4.9105	6.3398	-0.6926	10.5577
525	154	156	4.7507	1.5559	0.1168	6.4235	4.5958	6.6055	-0.69	10.5113
526	158	156	4.7475	1.5544	0.1164	6.4183	4.622	6.5951	-0.6904	10.5267
527	151	155	4.738	1.5498	0.1168	6.4046	4.5348	6.638	-0.6797	10.4931
528	158	154	4.7351	1.536	0.117	6.388	4.2345	6.896	-0.665	10.4655
529	160	153	4.7335	1.5303	0.117	6.3808	4.1725	6.9333	-0.6508	10.455
530	157	153	4.7247	1.5278	0.1172	6.3696	4.2482	6.8537	-0.6474	10.4545
531	152	152	4.7325	1.5105	0.1171	6.36	4.0969	7.0921	-0.6433	10.5457
532	148	151	4.7186	1.5457	0.117	6.3812	3.9327	7.197	-0.6411	10.4886
533	145	151	4.5754	1.6652	0.1192	6.3599	3.8469	7.2756	-0.6409	10.4816
534	142	150	4.5151	1.6896	0.1207	6.3255	6.4707	4.6662	-0.6397	10.4971
535	148	149	4.5238	1.67	0.1206	6.3144	6.2448	4.915	-0.641	10.5188
536	149	149	4.5094	1.6724	0.121	6.3028	5.6646	5.5457	-0.6509	10.5593
537	150	148	4.5067	1.667	0.1226	6.2963	5.2453	5.9636	-0.6501	10.5588
538	145	147	4.5372	1.6265	0.1232	6.2869	4.7659	6.4106	-0.6418	10.5346
539	148	146	4.5188	1.6367	0.1231	6.2786	4.3942	6.8572	-0.6397	10.6117
540	141	146	4.5242	1.6225	0.1232	6.2699	3.8979	7.3254	-0.6293	10.5939
541	145	145	4.5293	1.6068	0.1233	6.2594	3.5489	7.645	-0.6216	10.5723
542	151	144	4.5293	1.5993	0.123	6.2516	3.1801	8.0759	-0.6196	10.6364
543	150	144	4.5183	1.5984	0.123	6.2397	2.9102	8.3497	-0.6417	10.6181
544	143	144	4.5203	1.5837	0.1232	6.2271	2.4713	8.727	-0.5659	10.6324
545	143	144	4.5115	1.5832	0.1233	6.218	2.1762	8.9309	-0.5514	10.5557
546	142	144	4.5016	1.5786	0.1236	6.2038	2.4503	8.7243	-0.5507	10.6239

547	138	143	4.516	1.5473	0.1243	6.1876	1.9144	9.1201	-0.5481	10.4864
548	143	143	4.517	1.5343	0.1251	6.1764	1.4282	9.5595	-0.439	10.5486
549	145	143	4.5221	1.5224	0.1256	6.1701	1.1614	9.6857	-0.3233	10.5238
550	139	143	4.4293	1.6021	0.1255	6.1569	1.1873	9.5838	-0.3273	10.4438
551	136	143	4.4713	1.5558	0.1255	6.1526	1.5049	9.3183	-0.3412	10.4821
552	144	142	4.4635	1.5736	0.1254	6.1624	1.1496	9.6661	-0.3326	10.4832
553	142	142	4.4398	1.5615	0.1252	6.1265	0.9377	9.8449	-0.3234	10.4592
554	138	142	4.4452	1.5457	0.1251	6.116	1.5028	9.2737	-0.3171	10.4594
555	145	142	4.444	1.533	0.125	6.102	1.6003	9.1643	-0.3136	10.451
556	140	142	4.4458	1.5184	0.1279	6.0921	1.7548	8.9641	-0.3157	10.4031
557	139	142	4.4856	1.4678	0.1304	6.0838	1.6097	9.0967	-0.3136	10.3929
558	145	142	4.4933	1.4496	0.131	6.074	1.6192	9.0916	-0.3309	10.3799
559	145	141	4.5107	1.4204	0.1327	6.0638	1.5319	9.157	-0.3204	10.3685
560	139	141	4.5199	1.399	0.1331	6.0521	1.2181	9.4251	-0.3142	10.3289
561	143	141	4.5399	1.3734	0.1332	6.0465	1.232	9.3896	-0.311	10.3106
562	142	141	4.5515	1.35	0.1331	6.0346	1.7528	8.8601	-0.3072	10.3057
563	146	141	4.5304	1.3616	0.1339	6.0259	2.2317	8.441	-0.3167	10.356
564	143	141	4.5367	1.3424	0.1353	6.0144	2.3492	8.2814	-0.3264	10.3042
565	139	141	4.4841	1.3828	0.1359	6.0028	1.9911	8.5717	-0.3256	10.2372
566	139	141	4.3973	1.463	0.1366	5.9969	1.4752	9.065	-0.3242	10.216
567	140	141	4.3992	1.4525	0.1367	5.9883	1.3624	9.1818	-0.321	10.2232
568	140	141	4.4167	1.4305	0.1367	5.9839	1.1702	9.3322	-0.3247	10.1777
569	139	140	4.4386	1.3885	0.1368	5.9639	0.8852	9.5996	-0.326	10.1588
570	137	140	4.4322	1.3877	0.1371	5.9569	1.1038	9.3585	-0.325	10.1373
571	137	140	4.4483	1.3649	0.1377	5.9509	1.0474	9.4271	-0.3156	10.1589
572	142	140	4.4249	1.378	0.1383	5.9413	1.1129	9.2851	-0.3087	10.0894
573	140	140	4.455	1.33	0.1382	5.9232	0.8863	9.5289	-0.3067	10.1085
574	144	140	4.4779	1.3021	0.1379	5.9179	0.9574	9.4061	-0.31	10.0534
575	141	140	4.4658	1.3013	0.1384	5.9055	0.8262	9.4977	-0.3182	10.0058
576	138	140	4.4607	1.2962	0.139	5.8959	1.4059	8.9261	-0.3237	10.0082
577	140	140	4.4781	1.2693	0.1388	5.8861	1.9316	8.4048	-0.3258	10.0106
578	138	140	4.4721	1.2644	0.1384	5.8749	2.0939	8.1929	-0.3468	9.94
579	139	140	4.4554	1.2711	0.1383	5.8649	2.5222	7.5853	-0.3494	9.7581
580	139	140	4.4626	1.2464	0.1383	5.8473	2.576	7.6037	-0.3512	9.8285
581	139	141	4.4725	1.2343	0.1382	5.845	1.8963	8.2629	-0.3482	9.811
582	141	141	4.4738	1.2257	0.1383	5.8378	2.1436	8.002	-0.3474	9.7982
583	141	141	4.2034	1.4855	0.1382	5.8271	2.2634	8.2306	-0.348	10.1461

584	140	141	4.2163	1.4596	0.1384	5.8143	1.0403	9.216	-0.3252	9.9311
585	140	141	4.2664	1.3948	0.1397	5.8008	0.7235	9.2381	-0.31	9.6515
586	141	141	4.3002	1.3517	0.1406	5.7925	0.7563	9.1711	-0.3111	9.6163
587	143	141	4.3387	1.3061	0.1404	5.7852	0.5678	9.3198	-0.3059	9.5817
588	141	142	4.3674	1.2606	0.1402	5.7682	0.3919	9.506	-0.2882	9.6097
589	144	142	4.406	1.2118	0.1401	5.7579	1.3587	8.7675	-0.2811	9.8452
590	141	142	4.4328	1.1785	0.1401	5.7514	1.4361	8.4511	-0.282	9.6051
591	143	143	4.4613	1.1335	0.14	5.7348	1.622	8.1945	-0.2812	9.5352
592	142	144	4.4795	1.1056	0.1423	5.7275	1.8782	7.9234	-0.2828	9.5188
593	143	144	4.5049	1.068	0.1432	5.716	2.0829	7.7864	-0.2827	9.5866
594	138	144	4.5235	1.0441	0.1432	5.7108	2.0123	7.7852	-0.2818	9.5157
595	142	145	4.4918	1.0613	0.1434	5.6964	1.9928	7.7512	-0.2779	9.4661
596	147	145	4.5218	1.0229	0.1433	5.688	1.9504	7.7578	-0.2754	9.4328
597	147	146	4.5515	0.9712	0.1432	5.6659	2.1348	7.5082	-0.2716	9.3715
598	144	146	4.5855	0.943	0.1434	5.6719	2.6571	6.8841	-0.2637	9.2776
599	147	146	4.5846	0.9303	0.1442	5.6591	2.9278	6.5437	-0.2529	9.2186
600	152	146	4.5543	0.95	0.1455	5.6499	3.293	6.1677	-0.2485	9.2122
601	150	147	4.5737	0.9254	0.1453	5.6444	2.5561	6.9006	-0.2857	9.1711
602	149	147	4.6001	0.8901	0.1452	5.6354	3.5071	5.9704	-0.3133	9.1641
603	151	148	4.5671	0.9136	0.1452	5.6259	3.4102	6.2186	-0.3173	9.3116
604	146	148	4.5544	0.9164	0.1453	5.616	3.3319	5.9635	-0.3189	8.9765
605	148	148	4.5419	0.9211	0.1458	5.6087	3.8441	5.47	-0.321	8.9931
606	152	149	4.5449	0.9085	0.1455	5.599	3.9765	5.2734	-0.3221	8.9278
607	146	149	4.547	0.8962	0.1477	5.5909	4.2016	4.9909	-0.2926	8.9
608	145	149	4.546	0.8872	0.1477	5.581	4.8148	4.414	-0.2671	8.9616
609	152	149	4.5571	0.8681	0.1477	5.5729	5.1548	4.0749	-0.2587	8.971
610	148	148	4.5457	0.8685	0.1475	5.5617	5.3582	3.7289	-0.24	8.8471
611	152	148	4.5072	0.8959	0.1474	5.5505	5.3263	3.7021	-0.2339	8.7944
612	149	148	4.4663	0.9215	0.1486	5.5364	5.6486	3.394	-0.2338	8.8088
613	148	147	4.4608	0.9196	0.1495	5.5299	5.9063	3.0704	-0.2335	8.7433
614	149	147	4.4868	0.8861	0.1494	5.5223	5.7841	3.1762	-0.2341	8.7262
615	152	147	4.5016	0.8623	0.1492	5.5132	6.0282	3.017	-0.226	8.8192
616	147	147	4.5455	0.8093	0.1489	5.5037	5.5562	3.3102	-0.2259	8.6405
617	150	147	4.5604	0.788	0.1489	5.4973	4.7654	4.0863	-0.2157	8.6359
618	142	146	4.5778	0.7592	0.1488	5.4858	5.0303	3.8013	-0.213	8.6187
619	146	145	4.5732	0.7569	0.1489	5.479	5.4639	3.4052	-0.21	8.6591
620	150	145	4.591	0.7293	0.1486	5.4688	6.0553	2.6766	-0.2108	8.521

621	140	144	4.5886	0.7226	0.1483	5.4595	6.0514	2.6711	-0.2106	8.5119
622	137	144	4.6253	0.6745	0.148	5.4478	6.2031	2.4998	-0.2073	8.4955
623	144	143	4.633	0.659	0.1483	5.4403	6.0401	2.6188	-0.2004	8.4585
624	144	143	4.6556	0.6253	0.149	5.4298	6.345	2.2492	-0.2116	8.3826
625	145	142	4.6102	0.6633	0.1492	5.4227	6.6276	1.9389	-0.2206	8.346
626	146	142	4.5544	0.7139	0.149	5.4172	6.8575	1.6516	-0.2296	8.2795
627	136	141	4.5286	0.7305	0.1515	5.4106	7.1224	1.4092	-0.3381	8.1935
628	139	141	4.4829	0.7774	0.1519	5.4122	7.4285	1.0952	-0.334	8.1897
629	132	140	4.4759	0.7699	0.1521	5.3979	7.5146	0.9655	-0.3404	8.1397
630	143	139	4.5351	0.7015	0.152	5.3885	7.3363	1.1144	-0.3418	8.109
631	143	139	4.5181	0.7103	0.1518	5.3802	7.431	0.9091	-0.3391	8.001
632	138	139	4.4922	0.7226	0.1518	5.3666	7.5632	0.8137	-0.3421	8.0348
633	139	138	4.4714	0.7436	0.1518	5.3668	7.7298	0.6658	-0.346	8.0496
634	139	138	4.4428	0.7658	0.1517	5.3603	5.0806	3.2514	-0.348	7.984
635	138	137	4.4482	0.7529	0.1517	5.3528	5.4514	2.7831	-0.3451	7.8895
636	137	136	4.4526	0.7404	0.1516	5.3447	6.0045	2.177	-0.3291	7.8524
637	139	135	4.4675	0.7164	0.1514	5.3353	6.443	1.7259	-0.3192	7.8497
638	133	135	4.4013	0.7498	0.1513	5.3024	7.0344	1.0922	-0.3195	7.8072
639	133	135	4.3752	0.7916	0.1513	5.3181	7.1676	0.849	-0.3185	7.6981
640	133	134	4.362	0.8031	0.1513	5.3164	7.5446	0.4425	-0.3165	7.6706
641	139	133	4.3415	0.8145	0.1516	5.3076	7.9508	0.0387	-0.3154	7.6741
642	132	132	4.3211	0.8206	0.1513	5.293	8.3922	-0.5034	-0.3223	7.5665
643	130	132	4.3171	0.8199	0.1512	5.2881	8.5145	-0.6138	-0.3071	7.5935
644	131	131	4.321	0.8085	0.151	5.2805	8.6716	-0.8516	-0.2992	7.5208
645	126	131	4.3165	0.8074	0.1508	5.2747	9.0038	-1.2091	-0.2988	7.496
646	129	130	4.2881	0.8278	0.1508	5.2666	8.7727	-1.0854	-0.2953	7.392
647	131	130	4.2503	0.8589	0.1507	5.2598	9.0436	-1.4009	-0.2952	7.3475
648	126	129	4.2243	0.8799	0.1504	5.2546	9.3875	-1.8791	-0.2955	7.2129
649	130	129	4.1928	0.9057	0.1504	5.2489	9.8359	-2.2316	-0.2934	7.3108
650	124	128	4.1736	0.9121	0.1541	5.2398	9.9329	-2.4108	-0.2867	7.2354
651	126	127	4.1206	0.9588	0.1568	5.2362	9.6718	-2.1972	-0.2722	7.2025
652	129	126	4.1225	0.9517	0.1571	5.2313	9.8981	-2.4199	-0.2723	7.2059
653	128	126	4.1066	0.9651	0.1571	5.2289	10.4923	-2.9965	-0.2754	7.2203
654	131	125	4.0608	0.9987	0.1572	5.2167	10.4958	-2.9468	-0.3743	7.1746
655	127	125	4.0464	1.0056	0.1572	5.2092	10.7075	-3.1642	-0.4302	7.1131
656	125	125	4.0256	1.0193	0.1572	5.2021	10.7091	-3.1987	-0.4216	7.0888
657	123	125	4.0041	1.0264	0.1571	5.1877	12.4704	-4.9236	-0.4785	7.0683

658	123	124	3.9778	1.0421	0.1569	5.1769	12.3591	-4.7493	-0.5656	7.0442
659	122	124	3.9749	1.0475	0.1567	5.1791	11.9317	-4.4069	-0.6028	6.9221
660	122	124	3.9873	1.0288	0.1565	5.1726	11.8105	-4.3263	-0.6005	6.8837
661	117	124	3.9751	1.034	0.1566	5.1656	11.5797	-4.1346	-0.5996	6.8455
662	122	124	3.9609	1.043	0.1564	5.1603	11.3144	-3.8883	-0.5962	6.83
663	122	123	3.952	1.044	0.1573	5.1533	11.0708	-3.7717	-0.5821	6.717
664	126	123	3.9339	1.0407	0.1579	5.1325	10.7729	-3.5034	-0.5707	6.6988
665	123	122	3.9285	1.0518	0.1585	5.1388	10.9629	-3.7132	-0.5714	6.6784
666	123	122	3.9207	1.0544	0.1582	5.1333	11.1337	-3.9128	-0.5715	6.6495
667	119	121	3.8961	1.0724	0.158	5.1265	11.5702	-4.3894	-0.573	6.6079
668	124	121	3.8703	1.09	0.1577	5.118	11.6956	-4.5448	-0.5729	6.578
669	125	121	3.8331	1.1208	0.1579	5.1118	11.9604	-4.8488	-0.5749	6.5368
670	127	120	3.827	1.1206	0.1581	5.1057	12.0003	-4.9222	-0.5724	6.5057
671	122	120	3.828	1.1149	0.1584	5.1014	12.2738	-5.2227	-0.58	6.4711
672	122	120	3.8209	1.1162	0.1583	5.0954	12.4908	-5.4486	-0.5866	6.4556
673	122	119	3.8205	1.1051	0.1593	5.0849	12.8678	-5.8716	-0.5864	6.4098
674	115	118	3.8151	1.1082	0.16	5.0833	12.9247	-5.9576	-0.5816	6.3855
675	115	118	3.78	1.1362	0.1614	5.0776	13.2023	-6.284	-0.5735	6.3448
676	114	117	3.7484	1.1553	0.1728	5.0766	12.8385	-5.9514	-0.5706	6.3165
677	115	117	3.7353	1.1597	0.1722	5.0672	12.4069	-5.5241	-0.5699	6.3129
678	118	117	3.7206	1.1679	0.1724	5.0609	12.2547	-5.4169	-0.5408	6.297
679	114	116	3.7218	1.1597	0.1725	5.054	11.8268	-4.9289	-0.535	6.3629
680	113	115	3.7195	1.1555	0.1722	5.0472	11.6933	-4.8755	-0.533	6.2848
681	113	115	3.7162	1.1529	0.1724	5.0415	12.3709	-5.5924	-0.5332	6.2454
682	108	114	3.7008	1.1592	0.1729	5.0329	12.1353	-5.3545	-0.5349	6.2459
683	112	113	3.6953	1.1604	0.173	5.0287	12.2162	-5.5342	-0.534	6.148
684	117	113	3.6712	1.1813	0.1729	5.0254	12.0013	-5.2714	-0.5341	6.1959
685	115	112	3.6659	1.1771	0.1726	5.0156	11.8404	-5.1051	-0.5317	6.2036
686	115	112	3.6559	1.1791	0.1725	5.0075	11.9415	-5.2211	-0.5402	6.1802
687	115	112	3.6352	1.1969	0.1724	5.0045	12.0285	-5.3202	-0.5562	6.1522
688	112	111	3.6507	1.1757	0.1721	4.9984	12.1435	-5.4673	-0.5566	6.1195
689	115	111	3.6515	1.1676	0.1718	4.9909	11.651	-5.226	-0.5524	5.8726
690	110	111	3.6377	1.1747	0.1716	4.984	11.4646	-4.8354	-0.5518	6.0775
691	108	111	3.6221	1.1838	0.1722	4.9781	11.3471	-4.6867	-0.5511	6.1093
692	107	111	3.6281	1.167	0.173	4.9682	11.1909	-4.5671	-0.5482	6.0755
693	104	111	3.6377	1.1531	0.1731	4.964	10.9796	-4.4133	-0.5512	6.0152
694	109	110	3.6231	1.1651	0.1731	4.9612	10.9414	-4.3549	-0.553	6.0335

695	109	110	3.6145	1.1698	0.1729	4.9572	10.8623	-4.2961	-0.5507	6.0156
696	111	109	3.6174	1.163	0.1728	4.9532	10.8005	-4.2538	-0.545	6.0017
697	109	109	3.6127	1.1591	0.1728	4.9446	10.4877	-3.9367	-0.5418	6.0093
698	110	108	3.6019	1.1662	0.1727	4.9408	10.0741	-3.5664	-0.5481	5.9596
699	110	108	3.5913	1.1714	0.1728	4.9355	9.772	-3.2739	-0.5582	5.9399
700	111	108	3.5871	1.1697	0.1728	4.9296	9.404	-2.901	-0.5607	5.9423
701	111	108	3.5839	1.1674	0.1725	4.9238	9.2267	-2.8126	-0.5239	5.8901
702	108	108	3.5509	1.1898	0.1727	4.9134	8.7356	-2.318	-0.5056	5.912
703	106	108	3.5176	1.2082	0.1826	4.9084	8.8209	-2.3295	-0.5261	5.9652
704	109	107	3.4836	1.2328	0.1883	4.9047	8.7091	-2.2132	-0.5317	5.9641
705	108	107	3.471	1.2409	0.1879	4.8999	8.1701	-1.728	-0.5508	5.8914
706	102	107	3.2979	1.4009	0.1934	4.8921	7.9588	-1.5604	-0.5459	5.8524
707	103	106	3.3111	1.3712	0.2043	4.8865	7.831	-1.4542	-0.5448	5.832
708	106	106	3.3529	1.3279	0.208	4.8888	7.6732	-1.4651	-0.544	5.6641
709	107	106	3.376	1.3007	0.2078	4.8845	7.4616	-1.2671	-0.5428	5.6518
710	107	105	3.3877	1.282	0.2074	4.8771	7.3874	-1.1143	-0.544	5.7291
711	108	105	3.3758	1.2847	0.207	4.8675	7.5107	-1.2334	-0.5444	5.7328
712	105	105	3.3592	1.2987	0.2068	4.8647	7.488	-1.2159	-0.5404	5.7317
713	101	104	3.3835	1.27	0.2066	4.8601	7.3847	-1.1278	-0.5406	5.7163
714	104	104	3.3905	1.2574	0.2065	4.8545	6.981	-0.7723	-0.5297	5.679
715	104	104	3.3883	1.2536	0.2064	4.8483	6.6329	-0.5977	-0.524	5.5112
716	101	104	3.3885	1.2483	0.2062	4.8429	6.4731	-0.3261	-0.5235	5.6235
717	104	103	3.3908	1.2424	0.2062	4.8395	6.3643	-0.3712	-0.5347	5.4585
718	103	103	3.3817	1.2441	0.2063	4.8321	6.2467	-0.1319	-0.5364	5.5784
719	104	103	3.3732	1.2491	0.2061	4.8284	5.975	0.128	-0.5349	5.5682
720	102	103	3.3637	1.2515	0.2066	4.8217	5.5981	0.467	-0.5316	5.5335
721	102	102	3.3395	1.2674	0.2069	4.8139	5.4925	0.5934	-0.5305	5.5554
722	102	102	3.3385	1.2617	0.2066	4.8068	5.5136	0.5669	-0.5259	5.5546
723	103	102	3.3405	1.2548	0.2065	4.8018	5.5329	0.5532	-0.5225	5.5636
724	100	102	3.3353	1.2537	0.2063	4.7953	5.4005	0.6026	-0.5075	5.4956
725	99.7	103	3.3263	1.2585	0.2063	4.791	5.2128	0.8151	-0.5	5.5279
726	100	103	3.3137	1.2663	0.206	4.7859	4.9143	1.0856	-0.4867	5.5131
727	102	103	3.3032	1.2722	0.2056	4.7809	4.7886	1.1296	-0.3731	5.5452
728	101	104	3.3002	1.2703	0.2054	4.7759	4.6333	1.2535	-0.3812	5.5056
729	101	104	3.3066	1.2574	0.2054	4.7694	4.3663	1.5051	-0.3756	5.4958
730	102	104	3.298	1.2607	0.2053	4.764	4.3806	1.4438	-0.3695	5.4549
731	104	105	3.3046	1.2457	0.2053	4.7556	4.2517	1.5469	-0.3813	5.4173

732	107	105	3.2706	1.2761	0.2052	4.7518	4.2092	1.5832	-0.3797	5.4127
733	105	105	3.2713	1.2707	0.2052	4.7472	4.1427	1.6176	-0.3729	5.3874
734	107	106	3.2587	1.2763	0.2049	4.74	4.3006	1.5374	-0.3714	5.4666
735	110	106	3.254	1.275	0.2058	4.7348	4.0398	1.7568	-0.376	5.4206
736	109	106	3.2498	1.2724	0.2073	4.7294	3.8261	1.9074	-0.3853	5.3482
737	110	107	3.2532	1.2632	0.207	4.7234	3.6815	2.0076	-0.3863	5.3028
738	112	107	3.2362	1.2724	0.2065	4.7151	3.5047	2.1844	-0.3845	5.3047
739	106	107	3.2287	1.2752	0.2065	4.7104	3.6297	2.0424	-0.389	5.283
740	108	107	3.2273	1.2718	0.2064	4.7055	3.7519	1.9013	-0.3933	5.2598
741	108	107	3.2224	1.2712	0.2064	4.7	3.5467	2.0872	-0.3893	5.2446
742	111	107	3.2231	1.262	0.2064	4.6914	3.3342	2.2576	-0.3795	5.2123
743	105	108	3.2229	1.2554	0.2065	4.6848	3.3781	2.1429	-0.3678	5.1532
744	106	108	3.2347	1.2382	0.2061	4.679	3.5784	1.9529	-0.365	5.1663
745	107	108	3.2364	1.2328	0.2053	4.6745	3.4052	2.1342	-0.3671	5.1722
746	106	107	3.2393	1.2215	0.2049	4.6657	3.2576	2.3162	-0.3662	5.2076
747	106	107	3.2429	1.2155	0.2055	4.6639	3.2813	2.2893	-0.3629	5.2077
748	104	107	3.2471	1.2073	0.2063	4.6606	3.251	2.2698	-0.3588	5.162
749	103	106	3.2524	1.1958	0.2065	4.6546	3.1508	2.3913	-0.3574	5.1847
750	104	106	3.251	1.1933	0.2065	4.6508	3.2311	2.3209	-0.3547	5.1973
751	109	106	3.247	1.1906	0.2074	4.645	3.2339	2.3115	-0.3655	5.1799
752	111	106	3.2404	1.1847	0.2097	4.6348	3.1105	2.4442	-0.3756	5.1792
753	109	106	3.2357	1.1864	0.2103	4.6325	2.7616	2.7573	-0.3746	5.1443
754	110	105	3.2438	1.1715	0.2123	4.6276	2.4789	2.9273	-0.2727	5.1335
755	104	105	3.2505	1.1617	0.2118	4.624	2.1929	3.1597	-0.2141	5.1385
756	103	105	3.2425	1.1647	0.2117	4.6189	2.1008	3.279	-0.2169	5.1629
757	103	105	3.2368	1.1729	0.2115	4.6213	0.6424	4.6365	-0.1595	5.1195
758	102	105	3.2317	1.1688	0.2112	4.6117	1.2727	3.8392	-0.0474	5.0645
759	105	104	3.2361	1.1589	0.2111	4.6062	1.4004	3.822	-0.0085	5.2138
760	108	104	3.2362	1.1522	0.2109	4.5994	1.5684	3.6468	-0.0207	5.1944
761	101	104	3.2263	1.1556	0.2106	4.5925	1.7357	3.5077	-0.0507	5.1927
762	102	103	3.2224	1.1558	0.2105	4.5886	1.7206	3.4592	-0.0528	5.1271
763	104	103	3.2539	1.1212	0.2103	4.5854	1.4947	3.6675	-0.0587	5.1035
764	102	103	3.2706	1.1005	0.2103	4.5813	1.8167	3.343	-0.0633	5.0964
765	101	102	3.2812	1.0844	0.2109	4.5764	2.037	3.1081	-0.0642	5.0809
766	101	102	3.2843	1.0915	0.2116	4.5875	2.0557	3.06	-0.0635	5.0522
767	105	102	3.2715	1.0856	0.2116	4.5686	2.2102	2.9026	-0.0649	5.0479
768	99.2	102	3.2728	1.0772	0.2112	4.5612	2.2987	2.8349	-0.0667	5.0669

769	102	102	3.2733	1.0741	0.211	4.5585	2.2275	2.8768	-0.0653	5.039
770	102	102	3.2778	1.0612	0.2112	4.5502	2.1465	2.9474	-0.0646	5.0293
771	101	102	3.2767	1.0582	0.211	4.5459	2.1443	2.9431	-0.0572	5.0302
772	101	102	3.2676	1.0608	0.2106	4.5391	1.8388	3.1929	-0.0518	4.9799
773	100	102	3.2805	1.0448	0.2101	4.5354	2.0031	3.0275	-0.0527	4.9779
774	99.4	102	3.2938	1.0267	0.21	4.5305	2.0703	2.958	-0.0654	4.963
775	102	102	3.2886	1.0276	0.21	4.5263	1.9944	3.0124	-0.066	4.9408
776	104	102	3.2696	1.0424	0.2101	4.522	2.0044	3.0402	-0.0676	4.977
777	105	102	3.272	1.0344	0.2103	4.5166	1.9223	3.1125	-0.0721	4.9627
778	103	102	3.284	1.0174	0.21	4.5114	1.8472	3.216	-0.0792	4.9839
779	98.8	101	3.2838	1.0153	0.2095	4.5085	1.8523	3.2181	-0.0812	4.9892
780	102	101	3.2943	1.0008	0.2104	4.5055	1.8682	3.169	-0.0807	4.9565
781	102	101	3.2952	0.9946	0.2104	4.5002	1.7692	3.2433	-0.0785	4.934
782	102	101	3.2865	0.9974	0.2102	4.4941	1.8597	3.11	-0.0747	4.895
783	98.8	102	3.2653	1.0066	0.2101	4.482	1.5542	3.4294	-0.0747	4.9089
784	102	102	3.2672	1.0056	0.2105	4.4833	1.607	3.3687	-0.0745	4.9012
785	103	102	3.2833	0.9864	0.2111	4.4808	1.7866	3.1525	-0.0699	4.8692
786	102	102	3.2878	0.9783	0.2111	4.4772	1.6595	3.2603	-0.065	4.8548
787	99.4	101	3.2848	0.9785	0.2108	4.474	1.5019	3.4006	-0.0489	4.8536
788	100	101	3.2877	0.9714	0.211	4.4701	1.5891	3.2765	-0.0628	4.8029
789	101	102	3.2763	0.9774	0.2111	4.4649	1.4194	3.4163	-0.0696	4.7661
790	102	101	3.283	0.9659	0.2106	4.4595	1.3281	3.5029	-0.07	4.761
791	101	101	3.2886	0.9581	0.2101	4.4569	1.2896	3.5317	-0.0682	4.7532
792	103	101	3.2903	0.9527	0.2098	4.4528	1.2665	3.536	-0.0658	4.7367
793	102	101	3.2799	0.9579	0.2096	4.4473	1.2927	3.4677	-0.0646	4.6958
794	98.8	101	3.2826	0.9516	0.2098	4.444	1.3409	3.3921	-0.059	4.674
795	103	100	3.2887	0.9382	0.2095	4.4365	1.6123	3.1277	-0.06	4.68
796	102	99.9	3.2893	0.9341	0.2091	4.4324	1.6075	3.1236	-0.0666	4.6645
797	104	99.8	3.2876	0.9321	0.2087	4.4284	1.596	3.082	-0.0707	4.6073
798	102	99.8	3.2869	0.927	0.2085	4.4224	1.6589	3.0582	-0.0653	4.6518
799	99.6	99.7	3.2682	0.9393	0.2083	4.4158	1.7961	2.9509	-0.0677	4.6792
800	97.9	99.5	3.2638	0.9386	0.2093	4.4116	1.9973	2.7621	-0.0717	4.6877
801	99.3	99.1	3.2729	0.9229	0.2101	4.4059	1.8425	2.9106	-0.067	4.6861
802	96.3	98.7	3.2747	0.9141	0.2102	4.3989	1.8496	2.8792	-0.0551	4.6737
803	94.2	98.4	3.2697	0.9155	0.2099	4.3951	1.9816	2.6753	-0.0368	4.6201
804	97.3	98.4	3.2643	0.9168	0.2097	4.3909	1.9881	2.7138	-0.0351	4.6668
805	96.2	98.2	3.2609	0.913	0.2096	4.3836	2.2597	2.5095	-0.0699	4.6992

806	97.2	98	3.2336	0.9373	0.2093	4.3802	2.475	2.2976	-0.1578	4.6148
807	101	97.6	3.1838	0.9872	0.209	4.3801	2.513	2.2457	-0.1514	4.6074
808	98.9	97.6	3.2128	0.9457	0.2088	4.3674	2.3894	2.4416	-0.149	4.682
809	98.1	97.6	3.2192	0.9361	0.2098	4.3651	2.2917	2.4793	-0.1491	4.6219
810	93.5	97.6	3.2141	0.9312	0.2125	4.3578	2.2926	2.4755	-0.1633	4.6048
811	95.5	97.6	3.2037	0.9388	0.2123	4.3548	2.3255	2.4167	-0.1678	4.5744
812	95.8	97.7	3.2098	0.9319	0.2126	4.3543	2.5826	2.2179	-0.173	4.6275
813	98.6	97.9	3.2018	0.9356	0.2129	4.3504	2.4689	2.2541	-0.1762	4.5468
814	99.5	98	3.1868	0.9466	0.2129	4.3464	3.1142	1.6757	-0.1782	4.6117
815	96.9	97.7	3.1827	0.9476	0.2127	4.343	5.1934	-0.2486	-0.1851	4.7597
816	97.3	97.7	3.1675	0.958	0.2126	4.3381	5.3202	-0.5201	-0.2039	4.5962
817	101	97.5	3.161	0.9589	0.2129	4.3328	5.5535	-0.6003	-0.2012	4.7519
818	99.7	97.4	3.159	0.9564	0.2128	4.3282	5.6424	-0.8345	-0.2044	4.6036
819	98.7	97.5	3.1586	0.9544	0.2126	4.3255	5.7075	-0.9023	-0.2121	4.5931
820	98	97.8	3.1492	0.9572	0.2123	4.3187	5.6913	-0.8252	-0.2143	4.6517
821	98.2	98	3.1557	0.9482	0.2121	4.3159	5.547	-0.7418	-0.2132	4.592
822	98.2	98	3.1382	0.9589	0.2119	4.309	5.4173	-0.6162	-0.2164	4.5848
823	98.9	97.8	3.1335	0.959	0.213	4.3055	5.3165	-0.5241	-0.217	4.5754
824	91.3	97.8	3.1359	0.9524	0.2129	4.3012	5.3727	-0.5946	-0.2177	4.5604
825	96.9	97.8	3.1259	0.9545	0.213	4.2933	5.6945	-0.8921	-0.2151	4.5872
826	96.7	97.7	3.1214	0.9551	0.2132	4.2897	5.6082	-0.8458	-0.2125	4.5499
827	97.3	97.3	3.1185	0.9506	0.2135	4.2825	5.2258	-0.456	-0.2091	4.5607
828	100	97.2	3.1149	0.9485	0.2135	4.277	5.1656	-0.4189	-0.2103	4.5364
829	100	97.1	3.1198	0.9405	0.2135	4.2738	5.2563	-0.5315	-0.2127	4.5121
830	98.6	97	3.1211	0.9364	0.2131	4.2706	5.1509	-0.4516	-0.2157	4.4836
831	95.3	96.8	3.1186	0.9347	0.2128	4.2661	5.2065	-0.5126	-0.2036	4.4903
832	95.7	96.6	3.1152	0.9331	0.2127	4.261	5.1521	-0.4824	-0.2006	4.4691
833	98.8	96.4	3.1106	0.9339	0.2126	4.2571	5.2699	-0.5888	-0.2027	4.4784
834	96.9	96.5	3.0801	0.9611	0.2119	4.253	5.1515	-0.562	-0.2023	4.3872
835	95	96.4	3.0881	0.9489	0.2123	4.2493	5.1402	-0.5151	-0.1972	4.428
836	95.1	96.4	3.0996	0.9323	0.2121	4.2441	5.3475	-0.7286	-0.1907	4.4282
837	97.4	96.2	3.0943	0.9355	0.2133	4.2431	5.3857	-0.7553	-0.1917	4.4387
838	96.4	95.8	3.0943	0.9307	0.2135	4.2385	5.3758	-0.714	-0.1922	4.4696
839	95.9	95.7	3.0959	0.9249	0.2135	4.2343	5.3202	-0.6747	-0.1915	4.454
840	95.3	95.5	3.0983	0.9186	0.2132	4.2302	5.1619	-0.5283	-0.1895	4.4441
841	94.5	95.4	3.0958	0.9176	0.213	4.2263	5.1271	-0.5467	-0.1919	4.3885
842	93.9	95.2	3.0938	0.9152	0.2129	4.2219	5.0775	-0.4519	-0.1937	4.4318

843	94	94.8	3.0888	0.9162	0.2124	4.2174	5.0467	-0.4039	-0.1983	4.4444
844	95.3	94.7	3.0735	0.9254	0.2121	4.211	4.9433	-0.2938	-0.2031	4.4464
845	96	94.7	3.0757	0.9204	0.212	4.2081	4.9254	-0.2933	-0.2018	4.4303
846	93.1	94.6	3.0797	0.9133	0.212	4.205	5.0581	-0.4303	-0.2004	4.4275
847	93.3	94.6	3.077	0.9097	0.212	4.1987	5.2775	-0.6216	-0.2117	4.4442
848	97.3	94.8	3.0674	0.9122	0.213	4.1927	5.2027	-0.5394	-0.2227	4.4406
849	95	94.8	3.0526	0.9196	0.2137	4.1859	5.0804	-0.4257	-0.2247	4.43
850	93.7	94.6	3.0667	0.9023	0.2132	4.1822	4.7662	-0.1283	-0.2245	4.4134
851	90.9	94.6	3.0621	0.9027	0.2129	4.1776	4.6805	-0.0563	-0.219	4.4052
852	92.8	94.7	3.0422	0.9171	0.2134	4.1727	5.3555	-0.7675	-0.2102	4.3778
853	94.9	94.6	3.0369	0.9151	0.2138	4.1658	5.5536	-0.947	-0.2056	4.401
854	94.2	94.6	3.0178	0.9205	0.2193	4.1576	5.2108	-0.635	-0.207	4.3689
855	94.3	94.6	3.003	0.9319	0.2276	4.1625	5.0811	-0.4879	-0.2069	4.3863
856	96.7	94.7	2.9912	0.9402	0.2268	4.1582	4.9639	-0.4008	-0.2085	4.3546
857	99.7	94.8	2.9979	0.9288	0.2264	4.1531	4.6377	-0.0758	-0.2099	4.352
858	96.4	94.6	3.0025	0.9209	0.2261	4.1495	4.1696	0.4849	-0.2123	4.4422
859	91.8	94.5	3.0069	0.9114	0.2275	4.1457	4.3432	0.2364	-0.2105	4.3691
860	94.6	94.5	3.0037	0.9105	0.2277	4.1419	4.2946	0.2399	-0.1973	4.3372
861	95.8	94.7	2.968	0.9338	0.2279	4.1297	4.2188	0.2734	-0.1845	4.3077
862	91.7	94.7	2.9755	0.9304	0.2281	4.134	4.1988	0.3346	-0.2044	4.329
863	94.8	94.8	2.9425	0.9537	0.2281	4.1243	4.219	0.343	-0.2047	4.3574
864	95.5	95	2.7512	1.1253	0.2288	4.1054	4.1009	0.4519	-0.2026	4.3502
865	95.8	95.2	2.7492	1.1364	0.2313	4.1168	3.8491	0.7183	-0.2045	4.3629
866	94.4	95.2	2.729	1.1516	0.2318	4.1123	3.7555	0.8166	-0.2059	4.3661
867	94.3	95	2.7072	1.169	0.232	4.1083	3.5007	1.0508	-0.2009	4.3506
868	92.6	94.9	2.702	1.1674	0.2324	4.1019	3.4457	1.1105	-0.1995	4.3567
869	94.4	95	2.7042	1.1566	0.2325	4.0933	3.3506	1.2005	-0.1996	4.3515
870	94	95.1	2.7231	1.1354	0.2325	4.091	3.2629	1.3227	-0.1999	4.3857
871	92.7	95.1	2.7349	1.1199	0.2327	4.0874	3.1298	1.4237	-0.197	4.3565
872	97.2	95.3	2.736	1.1132	0.2323	4.0815	3.1606	1.4118	-0.1979	4.3746
873	99.2	95.1	2.7432	1.1043	0.2318	4.0793	2.9656	1.5926	-0.1992	4.359
874	96.3	95.1	2.7244	1.1159	0.2315	4.0718	2.9145	1.6414	-0.1861	4.3698
875	97.2	95.1	2.7278	1.1122	0.2313	4.0713	2.8947	1.6311	-0.188	4.3377
876	95.8	95.2	2.747	1.088	0.231	4.066	2.7827	1.696	-0.1895	4.2893
877	95.8	95.1	2.7554	1.0763	0.2313	4.063	2.871	1.5922	-0.1867	4.2765
878	92.3	95.1	2.7584	1.0705	0.2312	4.0601	2.9197	1.4947	-0.1807	4.2337
879	96.5	95.2	2.7687	1.0605	0.231	4.0602	2.9483	1.462	-0.1831	4.2273

880	97.2	94.9	2.7737	1.0521	0.2307	4.0565	3.0695	1.3442	-0.1824	4.2313
881	94.3	94.8	2.78	1.0428	0.2304	4.0533	3.0397	1.3944	-0.1845	4.2497
882	92.3	94.4	2.7596	1.0563	0.2305	4.0463	3.0139	1.3984	-0.1879	4.2244
883	94.1	94	2.7501	1.0628	0.2304	4.0433	3.1202	1.2885	-0.1923	4.2164
884	96.8	94	2.7532	1.0571	0.2302	4.0405	3.0952	1.3112	-0.1936	4.2127
885	95.4	93.8	2.7485	1.0592	0.2302	4.038	2.8066	1.6067	-0.2014	4.2119
886	92.3	93.6	2.7492	1.0539	0.2303	4.0333	2.9106	1.5099	-0.1962	4.2243
887	93.8	93.6	2.7472	1.0499	0.23	4.0271	3.1555	1.2667	-0.1991	4.2231
888	94.8	93.8	2.7557	1.0389	0.2301	4.0247	3.1373	1.3116	-0.1878	4.2611
889	88.8	93.8	2.7601	1.0303	0.2301	4.0205	3.1264	1.3258	-0.1798	4.2724
890	90.7	93.6	2.7703	1.0206	0.2298	4.0207	3.2313	1.2344	-0.1769	4.2888
891	90.3	93.5	2.7809	1.0033	0.2295	4.0137	3.393	1.0945	-0.185	4.3025
892	91.1	93.6	2.7856	0.9931	0.2297	4.0084	3.8473	0.6149	-0.1866	4.2756
893	95.9	93.7	2.7856	0.9872	0.2299	4.0027	4.6993	-0.1753	-0.1846	4.3394
894	93.1	93.6	2.7901	0.981	0.23	4.001	4.5481	-0.084	-0.1871	4.277
895	92.4	93.4	2.7829	0.9812	0.2296	3.9937	4.2913	0.1931	-0.1857	4.2987
896	96.1	93.6	2.7615	0.9962	0.2303	3.988	4.3404	0.1314	-0.1822	4.2896
897	97.1	93.6	2.7673	0.9861	0.2309	3.9844	4.3648	0.1113	-0.1824	4.2936
898	95.4	93.7	2.7788	0.9696	0.2309	3.9794	4.3489	0.1052	-0.1794	4.2747
899	93	93.9	2.7916	0.9522	0.2307	3.9745	4.1859	0.2176	-0.1687	4.2347
900	93.2	94	2.7957	0.9442	0.2312	3.9711	3.9442	0.4226	-0.1629	4.2039
901	93.9	94.1	2.7373	0.9997	0.2311	3.9681	4.0522	0.346	-0.1673	4.2309
902	96.7	94.1	2.7193	1.0088	0.2307	3.9588	4.0172	0.4054	-0.1709	4.2517
903	93.8	94	2.7486	0.979	0.2306	3.9582	3.7629	0.6272	-0.1669	4.2232
904	91.7	93.8	2.7562	0.9656	0.2304	3.9522	3.7292	0.6306	-0.164	4.1958
905	96.4	93.9	2.7645	0.9531	0.2305	3.9481	3.4883	0.7847	-0.1152	4.1577
906	94.5	93.7	2.7699	0.9448	0.2303	3.945	3.3107	0.9729	-0.0313	4.2522
907	95.9	93.3	2.7669	0.9387	0.2302	3.9358	3.1884	1.119	-0.0395	4.2678
908	92.1	93.2	2.7785	0.9221	0.2299	3.9305	3.3061	0.9899	-0.0417	4.2543
909	93	93.2	2.7897	0.9121	0.2296	3.9314	3.4914	0.8347	-0.0449	4.2813
910	91.7	93	2.7922	0.9039	0.2309	3.9271	3.5256	0.7902	-0.0315	4.2843
911	92.5	92.9	2.7838	0.9053	0.2327	3.9219	3.4765	0.8405	-0.0264	4.2906
912	93.3	92.7	2.7879	0.8976	0.2331	3.9186	3.0825	1.1409	-0.023	4.2004
913	90.3	92.8	2.7917	0.8905	0.2332	3.9154	3.1484	1.1502	-0.0183	4.2803
914	92.8	93	2.8019	0.8748	0.2334	3.9101	3.2706	0.9841	-0.0232	4.2315
915	92.8	92.9	2.8072	0.866	0.2333	3.9064	1.3925	2.7004	-0.0165	4.0765
916	90.2	92.9	2.8174	0.8529	0.2327	3.9031	1.8423	2.4109	0.0123	4.2655

917	93	92.8	2.8164	0.8479	0.2328	3.8971	1.4296	2.8368	-0.0014	4.265
918	92.6	92.8	2.8239	0.8363	0.2328	3.8931	1.1276	3.1076	-0.0076	4.2275
919	90.8	93	2.8323	0.8221	0.2326	3.8869	1.2	3.0087	-0.0033	4.2054
920	91.6	93.2	2.8362	0.8148	0.232	3.8831	1.6727	2.478	0.0006	4.1513
921	92.8	93.2	2.8396	0.807	0.2319	3.8785	1.5406	2.623	-0.0004	4.1631
922	95.2	93.1	2.8416	0.7997	0.2318	3.8731	1.5919	2.5495	-0.0028	4.1386
923	94.7	93.1	2.8421	0.7949	0.2316	3.8685	1.5432	2.5743	-0.0081	4.1094
924	95	92.9	2.8464	0.7893	0.2317	3.8674	1.5945	2.5455	-0.0114	4.1286
925	94.8	92.6	2.8476	0.7849	0.232	3.8644	1.3973	2.7162	-0.0146	4.0989
926	93.6	92.6	2.8343	0.7958	0.2319	3.862	1.4015	2.7303	-0.0156	4.1162
927	92.4	92.4	2.8265	0.8011	0.2316	3.8592	1.6451	2.5003	-0.0159	4.1295
928	96.7	92.4	2.8201	0.8023	0.2318	3.8543	1.8552	2.2871	-0.0111	4.1311
929	96.1	92.4	2.8128	0.8061	0.2317	3.8506	1.8718	2.2795	-0.0166	4.1348
930	92.2	92	2.8171	0.7969	0.2316	3.8456	1.9769	2.2285	-0.0196	4.1858
931	90.7	91.9	2.8172	0.7949	0.2316	3.8437	2.0315	2.173	-0.0219	4.1826
932	90.9	91.5	2.8032	0.8043	0.2319	3.8393	2.1532	2.0665	-0.0244	4.1952
933	89	91.3	2.8011	0.8028	0.232	3.8358	2.0515	2.1376	-0.02	4.1692
934	87.5	91	2.7994	0.8004	0.232	3.8318	1.9237	2.2811	-0.0183	4.1865
935	89.2	90.9	2.797	0.7979	0.2319	3.8269	1.9577	2.2627	-0.0186	4.2018
936	89.5	90.7	2.784	0.8057	0.2321	3.8218	1.9226	2.3051	-0.0161	4.2116
937	92.1	90.7	2.7805	0.8043	0.2321	3.817	2.0992	2.145	-0.0105	4.2336
938	90.9	90.6	2.7816	0.7981	0.2315	3.8112	2.4679	1.7673	-0.0111	4.2241
939	85.7	90.3	2.7728	0.8014	0.2312	3.8054	2.5764	1.6871	-0.0109	4.2527
940	89.7	90.3	2.759	0.8091	0.2317	3.7999	2.5328	1.7114	-0.0112	4.233
941	87.9	90.4	2.711	0.8561	0.2316	3.7988	2.5882	1.688	-0.0155	4.2607
942	90.9	90.5	2.6239	0.9327	0.2313	3.7879	2.8244	1.437	-0.0185	4.2429
943	88.9	90.6	2.634	0.9246	0.2311	3.7897	2.8196	1.4407	-0.0144	4.2459
944	93.3	90.8	2.6444	0.9061	0.2306	3.7811	2.858	1.3937	-0.0124	4.2393
945	90.3	90.8	2.6416	0.9073	0.2302	3.7791	2.9036	1.368	-0.014	4.2576
946	92.3	90.9	2.6432	0.9021	0.2302	3.7756	2.9077	1.3335	-0.0183	4.2229
947	93.4	90.7	2.6421	0.8992	0.2299	3.7712	2.7749	1.4301	-0.0093	4.1957
948	92	90.6	2.6489	0.8904	0.2299	3.7692	2.8388	1.3389	-0.0016	4.1762
949	92.3	90.9	2.6582	0.8773	0.23	3.7655	3.0119	1.1591	0.0003	4.1712
950	92.5	91	2.6615	0.8677	0.2299	3.7591	3.1466	1.0194	0.0002	4.1662
951	92.8	91.1	2.6604	0.8621	0.23	3.7524	3.2774	0.9176	0.0051	4.2001
952	91	90.9	2.6659	0.8544	0.2301	3.7504	2.7353	1.4585	0.0098	4.2035
953	91.4	90.9	2.664	0.852	0.2302	3.7462	2.5994	1.5607	0.0091	4.1692

954	88.3	90.9	2.669	0.8421	0.2308	3.7419	2.9537	1.266	0.014	4.2337
955	91.7	91	2.6719	0.8346	0.2307	3.7373	3.1223	1.0659	0.0152	4.2034
956	88	90.9	2.6724	0.8283	0.2308	3.7314	3.328	0.8603	0.0175	4.2058
957	88.1	90.8	2.6673	0.8298	0.2306	3.7276	3.278	0.9091	0.0155	4.2025
958	92	90.9	2.6534	0.8374	0.2306	3.7214	3.2607	0.8802	0.0159	4.1568
959	91	91	2.6543	0.8324	0.2306	3.7173	3.3747	0.7769	0.0141	4.1656
960	90	91.1	2.656	0.8265	0.2304	3.7129	3.7244	0.506	0.0152	4.2456
961	88.6	91.2	2.6598	0.8197	0.2302	3.7097	3.9892	0.2237	0.0321	4.245
962	87.7	91.4	2.6607	0.8153	0.2299	3.7059	3.92	0.2396	0.0487	4.2084
963	93.1	91.5	2.6155	0.8552	0.2304	3.7011	3.9937	0.1818	0.051	4.2264
964	92.5	91.7	2.612	0.8553	0.2304	3.6977	4.0836	0.1018	0.0536	4.2391
965	91.2	91.7	2.5649	0.8953	0.23	3.6903	4.205	-0.0249	0.0538	4.2339
966	91.9	91.9	2.586	0.8679	0.2319	3.6858	4.3042	-0.1074	0.0402	4.237
967	93.4	92.1	2.5945	0.8583	0.2328	3.6855	4.4948	-0.2919	0.0323	4.2351
968	93.7	92.1	2.5821	0.8666	0.2327	3.6814	4.6003	-0.3978	0.0316	4.2341
969	94.7	92.2	2.5369	0.9088	0.2324	3.6781	4.6601	-0.4524	0.0285	4.2362
970	95.1	92.3	2.569	0.8731	0.2325	3.6747	4.7458	-0.5675	0.0245	4.2028
971	93.8	92.3	2.5757	0.8649	0.2329	3.6736	4.7719	-0.6022	0.018	4.1878
972	92.9	92.6	2.5817	0.8558	0.2331	3.6706	4.7926	-0.6247	0.0167	4.1847
973	92.4	92.6	2.5838	0.8497	0.233	3.6665	4.8691	-0.7147	0.0177	4.1722
974	92.1	92.7	2.5846	0.8443	0.233	3.6619	4.9099	-0.7649	0.0156	4.1605
975	92.3	92.8	2.5876	0.8392	0.2328	3.6597	4.9464	-0.7831	0.0161	4.1793
976	91.2	92.9	2.5825	0.8379	0.2326	3.653	5.0058	-0.824	0.0207	4.2024
977	93.2	93	2.5699	0.8476	0.2324	3.6499	4.9284	-0.7223	0.0253	4.2313
978	91.7	92.9	2.5712	0.8426	0.2329	3.6467	4.8684	-0.7179	0.0288	4.1793
979	92.8	92.9	2.571	0.8376	0.233	3.6416	4.9754	-0.7754	0.0315	4.2315
980	88.7	92.9	2.5705	0.8348	0.2329	3.6382	5.3197	-1.103	0.037	4.2536
981	93.5	92.6	2.5647	0.8362	0.2329	3.6338	5.3222	-1.1139	0.0323	4.2405
982	92.5	92.8	2.5544	0.8425	0.2325	3.6294	5.3252	-1.0946	0.0334	4.2641
983	93.4	93	2.5577	0.8347	0.2322	3.6247	5.218	-0.9737	0.0297	4.274
984	94.2	92.9	2.5574	0.8309	0.2321	3.6204	5.307	-1.0352	0.0259	4.2976
985	93	92.8	2.5563	0.8287	0.2318	3.6168	5.3248	-1.0777	0.0269	4.2741
986	95.1	92.8	2.5393	0.8394	0.2313	3.61	5.2764	-1.0436	0.0295	4.2622
987	91.9	92.8	2.5004	0.8731	0.2311	3.6047	5.1409	-0.9266	0.0316	4.2458
988	96.1	93	2.4981	0.8702	0.2312	3.5994	5.1431	-0.9263	0.0352	4.2519
989	93.8	93	2.5069	0.8591	0.2312	3.5972	5.1711	-0.9668	0.0344	4.2387
990	89.3	93.2	2.5115	0.8518	0.2313	3.5946	5.136	-0.9288	0.0303	4.2375

991	96.3	93	2.4985	0.8596	0.2314	3.5894	5.0177	-0.849	0.0397	4.2084
992	96.5	93.1	2.5036	0.8491	0.2311	3.5838	4.7153	-0.4	0.0414	4.3566
993	89	93.1	2.4998	0.8479	0.2312	3.5788	3.9069	0.2322	0.037	4.1761
994	90.9	93	2.4997	0.8442	0.2314	3.5752	4.0176	0.1927	0.031	4.2413
995	91.2	93.2	2.4922	0.8479	0.2314	3.5714	4.0124	0.1337	0.0284	4.1746
996	93.2	93	2.484	0.8532	0.2312	3.5684	4.0042	0.1612	0.0279	4.1933
997	95.4	93.2	2.4835	0.8522	0.2311	3.5668	4.1286	0.0383	0.0274	4.1944
998	93.9	93.2	2.4776	0.8537	0.2309	3.5622	4.1985	-0.0306	0.0253	4.1932
999	92.3	93.3	2.4769	0.8502	0.2307	3.5578	4.2633	-0.0882	0.0249	4.2
1000	89.9	93.6	2.468	0.8524	0.2307	3.5511	4.4239	-0.2556	0.0261	4.1944
1001	93.4	93.5	2.4638	0.8538	0.2301	3.5478	4.6482	-0.4878	0.0239	4.1842
1002	94.1	93.3	2.4594	0.8527	0.2298	3.5419	4.7649	-0.6217	0.0214	4.1646
1003	92.6	93.6	2.4532	0.8524	0.2292	3.5348	4.9823	-0.7901	0.0183	4.2105
1004	95.7	93.8	2.444	0.859	0.2289	3.5319	5.0754	-0.9013	0.0208	4.1948
1005	91	94.1	2.4317	0.8671	0.2287	3.5275	5.2958	-1.0957	0.0259	4.2261
1006	95.6	94	2.4421	0.8539	0.2288	3.5247	5.4247	-1.2181	0.023	4.2296
1007	96.7	93.9	2.4408	0.8507	0.2286	3.5201	5.5411	-1.3038	0.0205	4.2578
1008	95.9	93.8	2.441	0.8444	0.2285	3.5139	5.5371	-1.303	0.0025	4.2366
1009	95.6	93.8	2.4173	0.8615	0.2281	3.5068	5.5103	-1.277	-0.0053	4.2279
1010	94.3	94.2	2.3933	0.8815	0.2277	3.5026	5.5986	-1.3613	-0.0044	4.233
1011	92.9	94.4	2.3918	0.8814	0.2279	3.5011	5.7635	-1.5141	-0.0055	4.2438
1012	93.4	94.5	2.3885	0.8794	0.228	3.4959	5.8451	-1.591	-0.0071	4.247
1013	95.4	94.6	2.3834	0.8803	0.2278	3.4915	5.8579	-1.5981	-0.0119	4.2478
1014	96.5	94.4	2.3814	0.8773	0.228	3.4867	5.4388	-1.2188	-0.0066	4.2134
1015	91.8	94.6	2.3767	0.8767	0.2293	3.4827	5.7693	-1.5303	-0.001	4.238
1016	92.7	94.7	2.3679	0.8821	0.2295	3.4796	5.3964	-1.2053	-0.013	4.1781
1017	92.8	94.6	2.3564	0.8877	0.2296	3.4737	5.686	-1.4984	0.004	4.1915
1018	91.8	94.6	2.3579	0.8816	0.2299	3.4694	5.968	-1.7541	0.0104	4.2243
1019	98.2	94.5	2.3577	0.8789	0.2301	3.4666	5.7622	-1.4948	-0.0248	4.2426
1020	96.5	94.6	2.3591	0.8751	0.2302	3.4643	5.3739	-1.0858	-0.039	4.2491
1021	95.8	94.7	2.3603	0.8694	0.2302	3.46	5.7568	-1.4612	-0.0368	4.2588
1022	94	94.6	2.3547	0.8711	0.2301	3.4559	5.9589	-1.6381	-0.03	4.2907
1023	93.6	94.6	2.3511	0.8713	0.2301	3.4525	6.0588	-1.7188	-0.027	4.313
1024	94.2	94.6	2.3518	0.8676	0.2301	3.4495	6.2474	-1.8799	-0.0287	4.3389
1025	96.5	94.9	2.347	0.8673	0.2299	3.4442	6.3656	-2.0019	-0.0299	4.3338
1026	95	95	2.3415	0.8681	0.2293	3.4389	6.3339	-1.9465	-0.0302	4.3572
1027	97	95	2.3396	0.8729	0.2287	3.4412	6.2938	-1.9018	-0.031	4.361

1028	93.6	95.3	2.3226	0.8798	0.2287	3.4311	6.1755	-1.7563	-0.0353	4.3838
1029	95	95.1	2.2808	0.9164	0.228	3.4253	6.1547	-1.6678	-0.0274	4.4595
1030	94.7	95	2.2849	0.9083	0.2284	3.4216	6.0806	-1.6148	-0.0222	4.4437
1031	92.8	95.1	2.2847	0.9043	0.2282	3.4173	6.0593	-1.5827	-0.025	4.4515
1032	94.6	95.1	2.2814	0.9016	0.2289	3.4119	6.033	-1.5215	-0.061	4.4506
1033	96.7	95.2	2.2704	0.9063	0.2294	3.406	5.9436	-1.4295	-0.0691	4.4451
1034	96.8	94.9	2.2669	0.9082	0.2294	3.4044	6.0567	-1.5352	-0.0879	4.4335
1035	94.9	94.9	2.2694	0.9023	0.229	3.4006	6.0646	-1.537	-0.0907	4.4368
1036	94	95.1	2.27	0.8983	0.2289	3.3972	6.0304	-1.5	-0.0911	4.4393
1037	96	95.1	2.2662	0.897	0.2286	3.3918	5.8345	-1.3301	-0.092	4.4124
1038	95.4	95.3	2.2645	0.8948	0.228	3.3874	5.4446	-0.9298	-0.0934	4.4214
1039	94.7	95.6	2.2592	0.8943	0.2281	3.3816	5.3952	-0.8901	-0.0907	4.4144
1040	96.9	95.7	2.2573	0.8941	0.2278	3.3791	5.4282	-0.8954	-0.0897	4.4432
1041	95.1	95.9	2.2395	0.8961	0.2275	3.3631	5.4508	-0.89	-0.0882	4.4725
1042	96	95.8	2.2332	0.9095	0.2276	3.3703	5.2815	-0.7284	-0.0873	4.4658
1043	88.4	95.7	2.2323	0.9053	0.228	3.3655	5.3026	-0.7671	-0.0863	4.4491
1044	96.4	95.5	2.2431	0.8927	0.2278	3.3636	5.2714	-0.7131	-0.0855	4.4729
1045	97.5	95.6	2.2412	0.8911	0.2274	3.3598	5.2475	-0.6977	-0.0821	4.4676
1046	96.9	95.6	2.2304	0.8983	0.2275	3.3562	5.1384	-0.5846	-0.0788	4.4751
1047	98.7	95.4	2.2223	0.9023	0.2274	3.3519	4.9864	-0.4095	-0.0808	4.496
1048	99.6	95.4	2.2225	0.8993	0.2274	3.3492	4.985	-0.353	-0.0882	4.5438
1049	97.4	95.4	2.2158	0.9029	0.2274	3.346	6.0855	-0.79	-0.0976	5.1978
1050	96.1	95.4	2.1967	0.9164	0.2275	3.3406	8.7976	-1.8902	-0.953	5.9543
1051	93.3	95.4	2.1839	0.9243	0.2278	3.336	8.8598	-1.869	-2.4691	4.5216
1052	93.5	95.5	2.1677	0.9334	0.2282	3.3294	8.8655	-1.7251	-2.4075	4.7328
1053	93.8	96	2.1565	0.9421	0.2281	3.3267	8.7046	-1.6118	-2.3943	4.6985
1054	97.6	96.2	2.1394	0.9516	0.2282	3.3193	8.5589	-1.5518	-2.3648	4.6423
1055	92.6	96.2	2.1295	0.9565	0.2284	3.3143	8.3865	-1.4804	-2.2346	4.6714
1056	92	96.2	2.1183	0.9587	0.2287	3.3056	11.348	-1.5041	-1.9536	7.8903
1057	95.8	96.1	2.1136	0.9601	0.2303	3.304	12.2878	-1.6686	-1.9008	8.7184
1058	94.6	96	2.1023	0.9651	0.2311	3.2986	12.1189	-1.5548	-1.8917	8.6725
1059	96.5	95.9	2.0944	0.9685	0.2311	3.294	12.1716	-1.5514	-1.8752	8.745
1060	96.6	96	2.0797	0.9779	0.2309	3.2885	11.8288	-1.3013	-1.8919	8.6356
1061	97.1	96.3	2.0753	0.9788	0.2309	3.285	11.5641	-1.0598	-1.8869	8.6173
1062	98.3	96.9	2.0749	0.9751	0.2311	3.2812	11.5496	-1.0208	-1.8839	8.645
1063	101	97.2	2.0716	0.9771	0.2311	3.2798	11.546	-1.0394	-1.8774	8.6292
1064	97.2	97.4	2.0351	1.0083	0.2305	3.2739	11.5549	-1.0455	-1.8773	8.6321

1065	96.4	97.9	2.0253	1.0158	0.2313	3.2725	11.5722	-1.0854	-1.8748	8.6119
1066	97.8	98.4	2.0174	1.0177	0.2315	3.2666	11.5653	-1.1041	-1.8656	8.5956
1067	96.7	98.8	1.9977	1.0337	0.2318	3.2631	11.5283	-1.054	-1.8599	8.6145
1068	95.2	98.9	2.0058	1.0161	0.2352	3.2571	11.4842	-1.0286	-1.8558	8.5998
1069	97.7	98.8	1.9995	1.0174	0.2363	3.2532	11.5282	-1.0876	-1.8552	8.5854
1070	100	98.8	1.9933	1.0192	0.2362	3.2488	11.5279	-1.0962	-1.854	8.5777
1071	104	98.8	1.9799	1.0287	0.2359	3.2445	11.5783	-1.1158	-1.8567	8.6058
1072	99.8	98.9	1.9758	1.0277	0.2358	3.2393	11.5845	-1.1482	-1.8401	8.5962
1073	100	98.9	1.959	1.0377	0.2358	3.2326	11.5248	-1.0799	-1.8427	8.6022
1074	102	99.2	1.9481	1.0445	0.236	3.2285	11.4973	-1.0684	-1.8357	8.5932
1075	103	99.3	1.9543	1.0338	0.2359	3.2239	11.4973	-1.0746	-1.8316	8.5911
1076	103	99.4	1.9531	1.0281	0.2357	3.2169	11.4758	-1.072	-1.8203	8.5835
1077	96.2	99.5	1.9523	1.0232	0.2359	3.2115	11.4385	-1.0446	-1.8176	8.5763
1078	95.7	99.5	1.9557	1.0093	0.2356	3.2007	11.4261	-0.9588	-1.8234	8.6439
1079	95.6	99.5	1.9629	0.9991	0.2352	3.1972	11.2646	-0.8772	-1.8261	8.5612
1080	96.6	99.7	1.9646	0.993	0.2354	3.1931	10.8565	-0.4801	-1.8241	8.5523
1081	102	99.7	1.9614	0.9883	0.239	3.1887	10.9006	-0.545	-1.824	8.5316
1082	101	99.7	1.96	0.9855	0.2394	3.1849	10.9457	-0.5911	-1.826	8.5286
1083	102	99.7	1.9521	0.9882	0.241	3.1813	10.9818	-0.6691	-1.8108	8.5018
1084	99.6	99.6	1.951	0.9846	0.2412	3.1767	10.8848	-0.6211	-1.8069	8.4569
1085	98.5	99.8	1.9532	0.9787	0.2409	3.1729	10.8858	-0.6301	-1.8057	8.45
1086	98.4	99.8	1.9558	0.9724	0.2405	3.1687	10.9281	-0.6916	-1.8113	8.4252
1087	96.3	100	1.956	0.9661	0.2405	3.1625	10.9701	-0.7217	-1.8084	8.44
1088	97.5	101	1.9585	0.9592	0.2403	3.158	10.97	-0.731	-1.8041	8.4349
1089	104	101	1.964	0.9487	0.2402	3.1529	10.9909	-0.7792	-1.8085	8.4032
1090	104	101	1.9664	0.9408	0.2401	3.1473	10.9788	-0.8003	-1.8076	8.3709
1091	99.6	101	1.9703	0.9324	0.2401	3.1428	10.9932	-0.7977	-1.8122	8.3833
1092	99.9	102	1.9734	0.9258	0.2397	3.1389	10.8564	-0.7897	-1.81	8.2567
1093	99.7	102	1.9726	0.9192	0.2397	3.1315	10.8137	-0.6528	-1.8044	8.3565
1094	107	101	1.9749	0.9139	0.2396	3.1285	10.8518	-0.692	-1.8084	8.3514
1095	103	102	1.9783	0.9063	0.2393	3.1239	11.011	-0.8135	-1.8094	8.3881
1096	107	102	1.9854	0.8942	0.2393	3.1188	10.9921	-0.8149	-1.8098	8.3674
1097	106	102	1.985	0.8875	0.2399	3.1124	10.8705	-0.693	-1.8091	8.3684
1098	101	102	1.8691	0.9327	0.2407	3.0425	10.7819	-0.6089	-1.8118	8.3612
1099	101	102	1.5971	1.0392	0.326	2.9624	10.7906	-0.6169	-1.8115	8.3622
1100	101	103	1.582	1.0393	0.4776	3.0989	10.7425	-0.5627	-1.8117	8.3681
1101	103	103	1.5772	1.0264	0.4709	3.0745	10.5615	-0.3933	-1.8028	8.3654

1102	102	103	1.5889	1.0139	0.4692	3.072	10.4267	-0.2697	-1.7951	8.3619
1103	99.2	103	1.5973	1.0076	0.4657	3.0706	10.2593	-0.13	-1.7895	8.3398
1104	101	102	1.6053	1.0071	0.4523	3.0648	10.1363	0.001	-1.7917	8.3456
1105	103	102	1.2969	1.0175	0.4241	2.7385	10.0246	0.0916	-1.7784	8.3378
1106	104	102	1.2133	1.0208	0.4188	2.6529	9.971	0.1319	-1.7678	8.3351
1107	99.4	101	1.2289	1.0062	0.4178	2.6529	9.8512	0.2162	-1.7622	8.3051
1108	107	101	1.2239	0.9995	0.416	2.6394	9.8125	0.2632	-1.7449	8.3308
1109	105	101	1.2344	0.9916	0.4172	2.6432	9.681	0.3441	-1.7379	8.2872
1110	102	100	1.2369	0.9875	0.4164	2.6408	9.6085	0.418	-1.7384	8.2881
1111	104	99.8	1.2369	0.9835	0.4163	2.6366	9.4348	0.5719	-1.7347	8.272
1112	102	99.4	1.2339	0.9834	0.4157	2.633	9.3883	0.6172	-1.7302	8.2753
1113	96	99.2	1.2279	0.9848	0.4156	2.6283	9.3874	0.5952	-1.7222	8.2604
1114	97	99	1.2242	0.9858	0.4155	2.6255	9.367	0.6406	-1.7177	8.2898
1115	98.6	98.7	1.2202	0.9871	0.4159	2.6232	9.0398	0.9528	-1.7252	8.2673
1116	99.2	98.3	1.2151	0.9875	0.4155	2.6181	8.9544	1.0338	-1.7127	8.2755
1117	93.2	98	1.208	0.9905	0.4152	2.6137	8.9088	1.0519	-1.704	8.2567
1118	97	97.2	1.2051	0.9903	0.4155	2.6109	8.7288	1.2242	-1.7064	8.2466
1119	93	96.5	1.2049	0.9885	0.4155	2.6089	8.7869	1.0733	-1.6693	8.1909
1120	92.8	96.1	1.2012	0.9866	0.4158	2.6037	8.7156	1.1148	-1.6515	8.1789
1121	95.1	95.5	1.2019	0.9843	0.4142	2.6004	8.6485	1.1838	-1.6524	8.18
1122	95.4	94.8	1.2022	0.9791	0.4143	2.5957	8.5161	1.289	-1.6539	8.1512
1123	96.7	94.6	1.2013	0.9782	0.4136	2.5931	8.4835	1.3	-1.656	8.1275
1124	97.6	94.4	1.202	0.9751	0.4133	2.5904	8.325	1.405	-1.6509	8.0791
1125	95.4	94.2	1.1994	0.9745	0.4119	2.5858	8.2318	1.4947	-1.6381	8.0884
1126	95	93.7	1.1976	0.9725	0.4111	2.5813	8.302	1.4283	-1.6432	8.0872
1127	92.1	93.5	1.197	0.9688	0.411	2.5769	8.2931	1.39	-1.6334	8.0497
1128	91.4	93.3	1.1961	0.9676	0.4113	2.575	8.295	1.3774	-1.6245	8.048
1129	93.9	93.2	1.1952	0.9644	0.4104	2.5701	8.3735	1.2399	-1.6243	7.9892
1130	93.1	93.2	1.1948	0.9628	0.4108	2.5684	8.4632	1.1336	-1.6238	7.973
1131	88.8	93	1.1901	0.9634	0.4108	2.5644	8.503	1.0906	-1.6158	7.9778
1132	92.9	92.5	1.1832	0.9685	0.41	2.5617	8.4984	1.051	-1.5857	7.9637
1133	93	91.9	1.1819	0.9684	0.4101	2.5603	8.4889	1.041	-1.5933	7.9366
1134	93.4	91.4	1.1783	0.9712	0.4099	2.5594	8.4094	1.0847	-1.5775	7.9165
1135	91.2	90.7	1.1766	0.9715	0.4101	2.5581	8.4031	1.0512	-1.5705	7.8838
1136	88.5	90.4	1.1729	0.9705	0.4097	2.5532	8.4343	1.0059	-1.5718	7.8684
1137	92.8	90	1.1692	0.9701	0.409	2.5483	8.4408	0.9736	-1.5821	7.8323
1138	92.6	89.7	1.1654	0.9727	0.4089	2.5471	8.4049	0.9458	-1.5804	7.7703

1139	92.7	89.1	1.1613	0.9743	0.4089	2.5445	8.4102	0.9237	-1.5811	7.7527
1140	91.5	88.3	1.1579	0.9738	0.409	2.5407	8.4957	0.8586	-1.6215	7.7327
1141	84.9	87.8	1.1539	0.9751	0.4085	2.5375	8.745	0.787	-1.8776	7.6544
1142	85.8	87.2	1.1518	0.9748	0.4081	2.5347	8.8692	0.6938	-1.8404	7.7226
1143	87.3	86.7	1.1471	0.9745	0.4088	2.5304	8.9215	0.6129	-1.8407	7.6938
1144	82.2	86.1	1.1421	0.9741	0.4087	2.5248	8.9454	0.5209	-1.8381	7.6282
1145	89.2	85.8	1.142	0.9726	0.4084	2.523	8.9612	0.5018	-1.8463	7.6167
1146	84.7	85.5	1.1433	0.9676	0.4084	2.5193	8.994	0.4441	-1.849	7.5891
1147	85.6	85	1.1441	0.9631	0.4086	2.5158	9.0637	0.3383	-1.8442	7.5578
1148	81.6	84.6	1.1435	0.9609	0.4086	2.513	9.0673	0.2999	-1.83	7.5373
1149	78	84.2	1.1416	0.9591	0.4085	2.5092	7.9186	0.7608	-1.8187	6.8606
1150	80.3	83.7	1.1405	0.9558	0.4078	2.5041	5.2393	1.8339	-0.9648	6.1084
1151	81.5	83.5	1.1412	0.9513	0.4073	2.4998	5.1084	1.8163	0.5541	7.4789
1152	82.6	83.1	1.1418	0.9464	0.4072	2.4954	5.0996	1.6902	0.4873	7.2771
1153	82.6	82.7	1.1428	0.942	0.4073	2.4922	5.2255	1.5912	0.4667	7.2834
1154	85.4	82.5	1.137	0.9425	0.406	2.4855	5.3445	1.5469	0.4373	7.3287
1155	83.3	82	1.1324	0.9433	0.4052	2.4808	5.4337	1.5502	0.3072	7.291
1156	83.4	81.8	1.1332	0.937	0.4049	2.4751	2.3516	1.6657	0.0294	4.0467
1157	85.4	81.6	1.1323	0.9338	0.4048	2.4709	1.5138	1.7266	-0.0316	3.2088
1158	83.9	81.4	1.1342	0.9307	0.4049	2.4698	1.7007	1.5977	-0.0519	3.2466
1159	82.8	81.7	1.1336	0.9267	0.4049	2.4652	1.6628	1.5576	-0.0683	3.1521
1160	81	81.7	1.1362	0.9207	0.4044	2.4613	1.779	1.4919	-0.0578	3.2132
1161	78.9	81.8	1.1364	0.9171	0.4039	2.4574	1.8196	1.4808	-0.061	3.2394
1162	78.7	81.7	1.1361	0.9156	0.4033	2.4551	1.8089	1.4772	-0.0574	3.2287
1163	78.5	81.7	1.1349	0.9131	0.4028	2.4508	1.7767	1.488	-0.0557	3.2089
1164	79.6	81.7	1.1311	0.913	0.4031	2.4472	1.743	1.5107	-0.0526	3.201
1165	81.5	81.6	1.1299	0.9125	0.4026	2.4449	1.6769	1.5985	-0.0504	3.2251
1166	80.8	81.6	1.1265	0.9126	0.4019	2.441	1.638	1.6292	-0.0435	3.2236
1167	79.4	81.5	1.1248	0.9113	0.4024	2.4384	1.5699	1.6683	-0.0478	3.1904
1168	82.2	81.3	1.1271	0.9087	0.4021	2.438	1.5322	1.7096	-0.0546	3.1872
1169	80.4	81.4	1.1279	0.9059	0.4015	2.4353	1.5219	1.7102	-0.0489	3.1832
1170	83.5	81.3	1.1285	0.9009	0.4015	2.4308	1.5639	1.6884	-0.0472	3.2051
1171	81.4	81.3	1.1282	0.8998	0.4013	2.4294	1.548	1.6703	-0.0456	3.1727
1172	82.8	81.2	1.1274	0.8977	0.4014	2.4265	1.5568	1.6724	-0.0551	3.174
1173	85.4	81.2	1.1265	0.8972	0.4009	2.4247	1.5809	1.6405	-0.0581	3.1633
1174	81.4	81.2	1.1249	0.895	0.3998	2.4197	1.5744	1.6507	-0.0629	3.1622
1175	83.8	81	1.1241	0.891	0.4002	2.4152	1.5985	1.6175	-0.0583	3.1577

1176	81.7	80.9	1.1238	0.8891	0.3991	2.4119	1.5564	1.6534	-0.0748	3.135
1177	81.2	80.9	1.1228	0.8855	0.3984	2.4067	1.5381	1.6551	-0.0813	3.1119
1178	83.7	80.8	1.1184	0.8853	0.3981	2.4018	1.5403	1.624	-0.0748	3.0894
1179	80.5	81	1.1166	0.8857	0.3976	2.3999	1.5763	1.6177	-0.0713	3.1227
1180	77.6	80.8	1.1143	0.884	0.397	2.3953	1.6379	1.5507	-0.0854	3.1032
1181	78.3	80.8	1.1116	0.8832	0.3976	2.3923	1.7083	1.4931	-0.0849	3.1165
1182	77.6	80.6	1.1111	0.8814	0.3987	2.3912	1.7021	1.4839	-0.0711	3.1149
1183	79.1	80.4	1.1111	0.8798	0.3987	2.3897	1.6316	1.5631	-0.0647	3.13
1184	78.4	80.4	1.1107	0.8794	0.3982	2.3883	1.6114	1.5948	-0.0682	3.138
1185	78.3	80.2	1.1098	0.8781	0.3981	2.386	1.5781	1.6458	-0.0809	3.143
1186	79.2	80.1	1.1118	0.875	0.3988	2.3855	1.5837	1.6564	-0.0867	3.1534
1187	80.1	80.1	1.1155	0.8715	0.3985	2.3855	1.5683	1.6599	-0.082	3.1462
1188	84.2	79.8	1.1175	0.8668	0.3984	2.3827	1.553	1.6668	-0.0838	3.1359
1189	81.1	79.8	1.1145	0.8628	0.4023	2.3796	1.5391	1.7024	-0.0874	3.1541
1190	80	79.8	1.0919	0.8621	0.4279	2.3819	1.5129	1.7427	-0.0862	3.1693
1191	79.9	80	1.0834	0.863	0.4241	2.3706	1.4897	1.7824	-0.0785	3.1936
1192	81.3	80.2	1.0812	0.8645	0.4238	2.3695	1.4495	1.8066	-0.0817	3.1744
1193	81.4	80.3	1.0781	0.8671	0.4235	2.3687	1.4333	1.797	-0.0873	3.143
1194	79.5	80.3	1.0788	0.8638	0.4242	2.3668	1.4059	1.7665	-0.0816	3.0909
1195	80.8	80.4	1.0789	0.8619	0.4242	2.365	1.4096	1.7546	-0.0788	3.0855
1196	80.1	80.4	1.079	0.8603	0.4237	2.3631	1.4281	1.7815	-0.084	3.1256
1197	79.5	80.2	1.0782	0.8575	0.4229	2.3586	1.4494	1.716	-0.0846	3.0808
1198	79.9	79.9	1.0772	0.8566	0.4225	2.3564	1.4932	1.67	-0.079	3.0842
1199	78.4	79.8	1.0732	0.8559	0.4225	2.3516	1.483	1.6999	-0.0698	3.113
1200	80.3	79.7	1.0711	0.8577	0.4222	2.351	1.4621	1.7042	-0.0688	3.0976
1201	82.1	79.5	1.0673	0.8573	0.4222	2.3468	1.4544	1.6572	-0.0794	3.0322
1202	81.2	79.4	1.0664	0.8547	0.4226	2.3437	1.4613	1.6054	-0.083	2.9837
1203	79.1	79.3	1.0629	0.8529	0.4219	2.3377	1.4707	1.5671	-0.0836	2.9542
1204	79.8	79	1.062	0.8521	0.4216	2.3357	1.4694	1.5433	-0.0795	2.9332
1205	78.3	78.8	1.0618	0.8509	0.4211	2.3338	1.3999	1.5814	-0.0874	2.8938
1206	76.8	78.9	1.0619	0.8481	0.422	2.332	1.363	1.6168	-0.0956	2.8842
1207	78.6	78.8	1.0588	0.8464	0.423	2.3282	1.3701	1.5612	-0.0994	2.8319
1208	79.2	79	1.0576	0.8438	0.4228	2.3242	1.3729	1.5699	-0.1043	2.8385
1209	78	78.9	1.0565	0.8424	0.423	2.3219	1.4205	1.5508	-0.0882	2.8831
1210	76.9	78.9	1.055	0.8394	0.4225	2.3169	1.444	1.5332	-0.101	2.8762
1211	79.5	78.7	1.056	0.8357	0.422	2.3137	1.4735	1.4946	-0.1021	2.8661
1212	77.8	78.6	1.0562	0.8346	0.4213	2.3121	1.4684	1.4719	-0.1036	2.8368

1213	74.4	78.5	1.0536	0.8338	0.4208	2.3082	1.4746	1.48	-0.1014	2.8531
1214	77	78.5	1.0565	0.826	0.4205	2.303	1.4968	1.4599	-0.0987	2.858
1215	83	78.3	1.0564	0.8242	0.4202	2.3008	1.4722	1.4621	-0.0925	2.8417
1216	77.8	78.2	1.0581	0.8207	0.4203	2.2991	1.482	1.4562	-0.0948	2.8434
1217	82.6	78.1	1.0547	0.8196	0.4207	2.295	1.4765	1.4573	-0.1052	2.8286
1218	77.2	78.1	1.0529	0.8193	0.4204	2.2926	1.4737	1.4524	-0.1009	2.8252
1219	79.3	78	1.0485	0.8196	0.4202	2.2884	1.5246	1.441	-0.1015	2.864
1220	79	78	1.0464	0.8196	0.4204	2.2864	1.5438	1.4356	-0.1041	2.8753
1221	78.2	77.8	1.0462	0.817	0.4197	2.283	1.5707	1.3978	-0.0994	2.8692
1222	78.3	77.8	1.0442	0.8151	0.4201	2.2794	1.5705	1.3982	-0.0907	2.878
1223	80.3	77.9	1.0439	0.8131	0.4199	2.2769	1.538	1.4195	-0.0871	2.8703
1224	74.5	77.9	1.0422	0.8133	0.4191	2.2746	1.5029	1.4279	-0.1023	2.8285
1225	75	77.5	1.0438	0.8091	0.4194	2.2723	1.4949	1.4237	-0.113	2.8056
1226	76.4	77.4	1.0438	0.807	0.4192	2.2701	1.5025	1.3778	-0.103	2.7774
1227	78.6	77	1.043	0.8064	0.4185	2.2679	1.4838	1.3769	-0.1224	2.7383
1228	75.4	77	1.0385	0.8058	0.4184	2.2627	1.466	1.3612	-0.137	2.6902
1229	78.6	76.8	1.0314	0.8094	0.419	2.2597	1.4052	1.4052	-0.1348	2.6755
1230	74.7	76.6	1.024	0.8135	0.4193	2.2568	1.3763	1.4657	-0.136	2.7061
1231	77.7	76.5	1.0199	0.815	0.4179	2.2529	1.3558	1.4656	-0.1425	2.6789
1232	75.6	76.2	1.02	0.8122	0.4165	2.2487	1.3271	1.4699	-0.1352	2.6617
1233	78.1	75.9	1.0207	0.8089	0.4169	2.2465	1.3255	1.4774	-0.1244	2.6785
1234	75.7	76	1.0205	0.8066	0.418	2.2451	1.3253	1.4769	-0.1252	2.677
1235	76.2	76.1	1.0182	0.8058	0.4188	2.2428	1.3581	1.4533	-0.1309	2.6805
1236	74.9	76.1	1.0161	0.8045	0.4179	2.2386	1.3795	1.4306	-0.1312	2.6789
1237	77	75.9	1.0139	0.8034	0.4174	2.2347	1.4221	1.3946	-0.1361	2.6807
1238	75.5	75.9	1.0115	0.8025	0.4176	2.2316	1.4532	1.3574	-0.1381	2.6725
1239	75.4	75.8	1.01	0.8001	0.4175	2.2276	1.4643	1.3325	-0.1343	2.6624
1240	75	75.7	1.009	0.7956	0.4168	2.2214	1.4396	1.3108	-0.0911	2.6592
1241	73.4	75.5	1.0089	0.7944	0.4167	2.22	1.2282	1.3113	0.1615	2.701
1242	74.6	75.4	1.0085	0.7951	0.4168	2.2204	1.1698	1.3294	0.1251	2.6243
1243	76.8	75.1	1.0065	0.7978	0.417	2.2213	1.1603	1.3795	0.1147	2.6544
1244	76.4	74.8	1.0011	0.7986	0.4166	2.2163	1.1185	1.4318	0.1175	2.6679
1245	76.5	74.5	0.9992	0.7945	0.4168	2.2105	1.124	1.4238	0.1293	2.677
1246	73.8	74.4	0.9984	0.796	0.4169	2.2113	1.1307	1.4317	0.1334	2.6959
1247	75.7	74	0.9947	0.7961	0.4165	2.2074	1.1552	1.4175	0.1329	2.7056
1248	76.7	73.8	0.9952	0.791	0.4155	2.2017	1.1768	1.3894	0.1272	2.6934
1249	72.4	73.8	0.9953	0.7887	0.4154	2.1995	1.179	1.3977	0.1255	2.7021

1250	74.7	73.8	0.9951	0.7901	0.4157	2.2009	1.1505	1.3964	0.1276	2.6745
1251	74.1	74	0.9951	0.7907	0.4156	2.2014	1.1218	1.4481	0.1268	2.6966
1252	71.3	74.1	0.9947	0.7897	0.4156	2.2	1.0914	1.4502	0.1382	2.6798
1253	70.4	74	0.9959	0.7877	0.4152	2.1988	1.103	1.4173	0.1438	2.664
1254	71.4	73.9	0.997	0.7843	0.4148	2.1961	1.0702	1.428	0.1399	2.638
1255	72.4	73.6	0.9961	0.7816	0.4147	2.1924	1.0628	1.4489	0.1383	2.65
1256	69.8	73.6	0.9961	0.7809	0.4149	2.1919	1.062	1.4511	0.1301	2.6432
1257	72.2	73.5	0.995	0.7768	0.4152	2.187	1.0657	1.4618	0.1428	2.6703
1258	73.9	73.3	0.9922	0.7756	0.4137	2.1815	1.043	1.4524	0.1608	2.6562
1259	75.4	73.5	0.9892	0.7734	0.415	2.1776	1.0517	1.4326	0.169	2.6533
1260	78	73.6	0.9889	0.7712	0.4146	2.1747	1.0607	1.4308	0.176	2.6675
1261	76.7	73.7	0.9896	0.7699	0.4143	2.1738	1.0475	1.4234	0.1705	2.6415
1262	74.3	73.9	0.9887	0.7676	0.4135	2.1698	1.0436	1.4252	0.1634	2.6322
1263	74	74.2	0.9852	0.7671	0.4127	2.165	1.0415	1.4405	0.1594	2.6414
1264	71.7	74.2	0.9839	0.7668	0.4123	2.163	1.0271	1.4508	0.1583	2.6362
1265	73.5	74.3	0.9817	0.7668	0.4121	2.1606	1.0736	1.3894	0.1501	2.6131
1266	73.6	74.3	0.9789	0.7668	0.4124	2.1581	1.0771	1.3726	0.1498	2.5995
1267	73.9	74.1	0.9774	0.766	0.4125	2.1559	1.1028	1.33	0.1579	2.5906
1268	75.5	74	0.9747	0.7646	0.4123	2.1516	1.0525	1.3451	0.1599	2.5575
1269	77.4	73.9	0.9736	0.7624	0.4119	2.1478	1.0138	1.3837	0.1574	2.5549
1270	75.6	73.7	0.9714	0.7611	0.4114	2.1439	0.9575	1.4106	0.1518	2.5198
1271	74.1	73.6	0.9712	0.76	0.4104	2.1416	0.9239	1.4372	0.1603	2.5214
1272	76.3	73.5	0.9736	0.7558	0.4101	2.1395	0.9369	1.442	0.1602	2.539
1273	71.9	73.4	0.9762	0.7544	0.4112	2.1418	0.9225	1.4416	0.1662	2.5304
1274	73.5	73.5	0.9754	0.7526	0.4111	2.1391	0.9192	1.427	0.1713	2.5175
1275	70	73.3	0.9738	0.7532	0.4105	2.1375	0.908	1.4361	0.1696	2.5138
1276	69.3	73.1	0.9754	0.7514	0.4113	2.1381	0.9377	1.4129	0.1786	2.5293
1277	71.3	72.9	0.9762	0.7493	0.4121	2.1377	0.9621	1.3997	0.1766	2.5384
1278	73.7	72.7	0.9779	0.7448	0.4116	2.1342	0.9553	1.4073	0.1718	2.5344
1279	74.8	72.4	0.979	0.7392	0.4112	2.1293	0.93	1.4202	0.1716	2.5217
1280	73.7	71.9	0.9787	0.7374	0.4112	2.1274	0.8654	1.453	0.175	2.4934
1281	72.4	71.5	0.9789	0.7362	0.4111	2.1262	0.8009	1.4912	0.1713	2.4635
1282	73.2	71.1	0.9786	0.7336	0.4111	2.1233	0.7731	1.5025	0.1542	2.4298
1283	73.3	70.8	0.9786	0.7321	0.4113	2.122	0.7795	1.5114	0.1276	2.4185
1284	68.8	70.4	0.9748	0.7341	0.4113	2.1203	0.7797	1.4759	0.1286	2.3842
1285	69.5	70.3	0.9719	0.7351	0.4112	2.1181	0.8246	1.4314	0.1427	2.3987
1286	70.4	70.3	0.9695	0.7355	0.4124	2.1174	0.8019	1.4428	0.1497	2.3944

1287	71.4	70.3	0.9701	0.7358	0.4123	2.1182	0.787	1.4287	0.1487	2.3644
1288	72.4	70.1	0.9711	0.7336	0.4118	2.1165	0.7643	1.4335	0.1516	2.3494
1289	66.2	69.9	0.9705	0.7317	0.4114	2.1137	0.7372	1.4565	0.1563	2.3499
1290	66.2	69.7	0.9691	0.731	0.4117	2.1118	0.7148	1.4522	0.1562	2.3232
1291	68.9	69.6	0.9664	0.7301	0.4116	2.1081	0.6954	1.4269	0.1468	2.2691
1292	66.5	69.4	0.9652	0.7265	0.4123	2.1041	0.6838	1.4375	0.1402	2.2615
1293	64.8	69.4	0.9662	0.7239	0.4118	2.1019	0.6841	1.4497	0.1398	2.2736
1294	68.1	69.5	0.9664	0.7214	0.4113	2.0991	3.7864	1.1763	-0.9078	4.0549
1295	69.7	69.4	0.9658	0.7187	0.4108	2.0954	4.2505	1.1762	-1.0817	4.345
1296	70.9	69.3	0.9635	0.7186	0.4104	2.0925	4.2818	1.1219	-1.0989	4.3048
1297	71.7	69.3	0.9605	0.7186	0.4102	2.0893	4.1872	1.1134	-1.0647	4.2359
1298	69.8	69.1	0.9593	0.7169	0.41	2.0862	4.1051	1.1255	-0.9742	4.2564
1299	70.2	69.3	0.9581	0.7162	0.4097	2.0841	4.0576	1.1091	-0.9485	4.2182
1300	69.6	69.4	0.959	0.7129	0.4095	2.0814	4.0401	1.1135	-0.8784	4.2752
1301	69.8	69.4	0.9581	0.7123	0.4083	2.0788	4.0157	1.1721	-0.8538	4.3339
1302	73	69.5	0.9561	0.713	0.4082	2.0773	3.9424	1.2223	-0.8597	4.3049
1303	72.1	69.7	0.9559	0.7101	0.408	2.0739	4.5449	1.2452	-0.7919	4.9982
1304	66.8	69.8	0.9557	0.7072	0.4078	2.0707	5.2045	1.2375	-0.6746	5.7674
1305	69.4	69.8	0.9555	0.7058	0.4081	2.0695	5.216	1.2323	-0.6454	5.8029
1306	70.6	69.6	0.9553	0.7019	0.4077	2.065	5.2032	1.2	-0.6296	5.7736
1307	69	69.4	0.9545	0.7012	0.4069	2.0626	5.2027	1.2099	-0.6224	5.7901
1308	69.8	69.3	0.9524	0.7005	0.4059	2.0589	5.1784	1.2163	-0.622	5.7728
1309	68.3	69.1	0.9504	0.6993	0.4054	2.0552	5.2085	1.1592	-0.6276	5.74
1310	68.3	69	0.9502	0.6971	0.4055	2.0527	5.2228	1.1163	-0.6082	5.7309
1311	69.4	69	0.9516	0.6932	0.4056	2.0505	5.2202	1.1496	-0.6577	5.7121
1312	68.6	68.8	0.9521	0.6905	0.4054	2.048	5.2629	1.1249	-0.6718	5.716
1313	69.8	68.6	0.9509	0.6887	0.405	2.0446	5.2523	1.1238	-0.6827	5.6935
1314	68.7	68.8	0.9491	0.6871	0.4055	2.0417	5.2145	1.1449	-0.7142	5.6452
1315	66.9	68.8	0.9487	0.6869	0.4052	2.0409	5.192	1.1522	-0.7089	5.6352
1316	68.6	68.8	0.9478	0.6877	0.4045	2.04	5.135	1.1698	-0.6832	5.6215
1317	67.4	68.8	0.9495	0.6851	0.4047	2.0392	5.0783	1.193	-0.6599	5.6114
1318	66.7	68.9	0.9515	0.6809	0.4046	2.0371	5.062	1.1941	-0.6538	5.6024
1319	68.6	68.9	0.9528	0.6786	0.405	2.0364	5.0623	1.1672	-0.6497	5.5798
1320	68.4	68.8	0.954	0.6759	0.4044	2.0343	5.0768	1.1362	-0.6422	5.5709
1321	69	68.6	0.9525	0.6728	0.4037	2.0291	5.0652	1.1543	-0.6472	5.5723
1322	69	68.6	0.9519	0.6709	0.4035	2.0263	5.0584	1.1629	-0.6745	5.5468
1323	70.2	68.5	0.952	0.6704	0.4028	2.0252	5.0823	1.1455	-0.6756	5.5522

1324	70.7	68.4	0.9514	0.6697	0.4021	2.0233	5.1361	1.1314	-0.6566	5.6108
1325	69.6	68.2	0.95	0.6678	0.4015	2.0194	5.1346	1.1124	-0.6505	5.5965
1326	69.3	67.8	0.9476	0.667	0.4016	2.0162	5.1351	1.1195	-0.6606	5.594
1327	71.3	67.6	0.9475	0.6657	0.4013	2.0145	5.1716	1.0981	-0.6516	5.6181
1328	68	67.4	0.9455	0.6638	0.4013	2.0106	5.1923	1.0772	-0.6606	5.6089
1329	67.6	67.4	0.9449	0.6641	0.4015	2.0104	5.1981	1.0486	-0.667	5.5797
1330	65.4	67.3	0.9439	0.6644	0.4021	2.0104	5.1834	1.0366	-0.6599	5.5602
1331	67.6	67.2	0.9426	0.6648	0.4025	2.0099	5.1878	1.0283	-0.6298	5.5863
1332	67.8	67.4	0.9421	0.6611	0.4037	2.0069	5.216	1.0116	-0.6246	5.6031
1333	66.4	67.3	0.9428	0.6613	0.404	2.0081	5.229	0.9863	-0.615	5.6003
1334	63.3	67.4	0.9381	0.6635	0.4037	2.0053	5.2236	0.9942	-0.6069	5.6109
1335	62.1	67.3	0.938	0.6615	0.4038	2.0033	5.188	1.0373	-0.5939	5.6314
1336	62.4	67.4	0.9374	0.6616	0.4031	2.0021	5.1563	1.074	-0.5891	5.6412
1337	64.5	67.2	0.9375	0.66	0.4022	1.9998	5.0942	1.1252	-0.579	5.6404
1338	67.3	67.3	0.9378	0.6568	0.402	1.9966	5.073	1.1448	-0.5729	5.645
1339	66.5	67.3	0.9385	0.6549	0.4019	1.9953	5.0896	1.0843	-0.5645	5.6093
1340	67.7	67.6	0.9394	0.6529	0.4022	1.9945	5.056	1.1023	-0.5727	5.5857
1341	72	67.8	0.9405	0.6507	0.4027	1.9939	5.0397	1.0922	-0.5748	5.5571
1342	70.1	68	0.9401	0.6501	0.4028	1.993	5.063	1.0525	-0.5794	5.5361
1343	71	68.2	0.6279	0.6802	0.5078	1.8158	5.027	1.0769	-0.5835	5.5205
1344	69.1	68.5	0.576	0.681	0.5248	1.7818	5.0204	1.0783	-0.6131	5.4856
1345	70.6	68.7	0.571	0.6823	0.5267	1.78	5.0249	1.0659	-0.6102	5.4806
1346	67.5	69	0.5797	0.6847	0.5233	1.7877	5.0211	1.0515	-0.6052	5.4674
1347	69.4	68.9	0.5842	0.6836	0.5139	1.7817	5.0118	1.0685	-0.617	5.4632
1348	68.2	68.8	0.5894	0.68	0.5104	1.7799	5.022	1.0812	-0.63	5.4732
1349	70.7	68.7	0.5913	0.6774	0.5033	1.772	5.0352	1.0459	-0.6177	5.4634
1350	71.7	68.6	0.5935	0.6728	0.5011	1.7675	4.9918	1.067	-0.6023	5.4564
1351	71	68.1	0.6008	0.6685	0.5016	1.7709	5.0444	1.0462	-0.6256	5.4651
1352	70.5	67.7	0.5402	0.6652	0.4947	1.7001	5.0421	1.0705	-0.6399	5.4728
1353	69.1	67.3	0.4754	0.664	0.4827	1.6221	5.0268	1.0578	-0.6206	5.464
1354	66.1	67	0.4754	0.6611	0.4793	1.6158	5.0412	1.0338	-0.6001	5.4749
1355	67.3	66.6	0.4757	0.6616	0.4777	1.615	5.0161	1.0251	-0.5808	5.4603
1356	62.7	66.4	0.4759	0.6599	0.4771	1.6129	5.0209	1.0226	-0.5758	5.4677
1357	66.8	66.1	0.4772	0.6552	0.4774	1.6098	5.0072	1.0146	-0.6024	5.4193
1358	63.6	65.9	0.4713	0.6597	0.4765	1.6075	4.9619	1.0361	-0.5974	5.4006
1359	65.2	65.5	0.4669	0.6618	0.4758	1.6045	4.9298	1.0539	-0.6033	5.3804
1360	63.5	65.1	0.4668	0.6563	0.4804	1.6035	4.9016	1.0484	-0.6064	5.3436

1361	62.4	64.7	0.4633	0.6574	0.4815	1.6022	4.891	1.0377	-0.5949	5.3338
1362	63.9	64.4	0.4635	0.6552	0.4818	1.6005	4.9438	0.9999	-0.6056	5.3381
1363	63.6	64	0.4637	0.6526	0.4841	1.6005	4.9751	0.9679	-0.6048	5.3382
1364	62.3	63.7	0.4647	0.6516	0.4832	1.5995	4.963	0.9618	-0.6037	5.3211
1365	63.5	63.4	0.4682	0.6499	0.4804	1.5984	4.965	0.9677	-0.6027	5.33
1366	64.1	63.2	0.471	0.6475	0.4784	1.597	5.0184	0.9223	-0.6152	5.3255
1367	63.2	63	0.4712	0.6466	0.4779	1.5957	5.0827	0.879	-0.6176	5.3442
1368	64.2	62.9	0.4685	0.6479	0.4773	1.5936	5.098	0.8607	-0.5981	5.3606
1369	64.1	62.8	0.4659	0.6488	0.4761	1.5907	5.1444	0.8238	-0.5814	5.3868
1370	63.2	62.8	0.4649	0.6456	0.4761	1.5867	5.1727	0.8034	-0.5708	5.4052
1371	64.1	62.7	0.4654	0.6437	0.4778	1.5869	5.1993	0.7756	-0.5716	5.4034
1372	61.2	62.5	0.4654	0.6412	0.4777	1.5843	5.1609	0.7773	-0.5776	5.3605
1373	61.2	62.3	0.4626	0.6413	0.4768	1.5808	5.0968	0.8502	-0.5921	5.355
1374	60.8	62.2	0.462	0.6414	0.4761	1.5795	5.0431	0.9233	-0.6095	5.357
1375	60.4	62.1	0.4603	0.6412	0.4765	1.5781	5.0176	0.9555	-0.6298	5.3434
1376	62	61.8	0.4582	0.6416	0.4765	1.5763	4.9935	0.9248	-0.6379	5.2803
1377	61.9	61.7	0.457	0.6416	0.4782	1.5768	4.9709	0.9125	-0.642	5.2414
1378	63.5	61.5	0.458	0.64	0.4782	1.5763	4.984	0.8943	-0.6406	5.2377
1379	62.7	61.3	0.4606	0.6355	0.4772	1.5733	4.9681	0.8738	-0.624	5.218
1380	61.5	61	0.4599	0.6346	0.4742	1.5688	4.959	0.8845	-0.6192	5.2243
1381	60.7	60.8	0.4573	0.6351	0.4735	1.5659	5.0151	0.8106	-0.624	5.2016
1382	59.7	60.8	0.4557	0.635	0.4726	1.5633	5.0481	0.7532	-0.602	5.1994
1383	59.1	61	0.4562	0.6327	0.472	1.5609	5.0296	0.7446	-0.5873	5.187
1384	61.7	61	0.456	0.6304	0.4707	1.5571	5.0194	0.7732	-0.5909	5.2016
1385	59	61.1	0.4562	0.6277	0.4701	1.554	4.9462	0.833	-0.609	5.1702
1386	61.5	61	0.4601	0.623	0.4703	1.5534	4.945	0.8169	-0.6195	5.1424
1387	59.5	60.8	0.4628	0.6213	0.4696	1.5538	4.9291	0.8414	-0.6221	5.1484
1388	60.3	60.6	0.4621	0.6251	0.4682	1.5555	4.9416	0.8327	-0.6246	5.1497
1389	58.8	60.4	0.4649	0.6215	0.4687	1.5551	4.9674	0.7972	-0.6072	5.1575
1390	59.6	60.2	0.4651	0.6218	0.4692	1.5561	4.9735	0.7802	-0.5904	5.1633
1391	61.3	60	0.4601	0.6248	0.4696	1.5545	4.9722	0.7713	-0.5796	5.1638
1392	64.1	59.8	0.4625	0.6188	0.4707	1.552	5.0072	0.7407	-0.5693	5.1786
1393	61.9	59.7	0.4642	0.6161	0.4731	1.5533	5.0294	0.7025	-0.5645	5.1674
1394	61.5	59.4	0.4639	0.6148	0.4723	1.551	1.9151	0.9807	0.4856	3.3815
1395	60.1	59.3	0.4637	0.6136	0.4714	1.5487	1.369	0.9886	0.6568	3.0144
1396	58.4	58.9	0.4623	0.6117	0.4721	1.5462	1.2971	1.0466	0.6656	3.0092
1397	59.6	58.7	0.4583	0.6105	0.4732	1.542	1.3698	1.1128	0.6253	3.1079

1398	60	58.2	0.4558	0.6123	0.4717	1.5398	1.4366	1.125	0.5306	3.0921
1399	57.1	57.9	0.459	0.6095	0.47	1.5385	1.4905	1.0759	0.4984	3.0648
1400	56.6	57.6	0.4545	0.6083	0.4721	1.5349	1.5037	1.0601	0.4311	2.9949
1401	57	57.1	0.4539	0.6053	0.4723	1.5315	1.4913	1.0437	0.4323	2.9672
1402	56.4	56.5	0.4534	0.6072	0.4703	1.5309	1.5327	1.0503	0.4473	3.0303
1403	56.1	56	0.4518	0.6067	0.468	1.5264	0.9401	1.0406	0.3805	2.3612
1404	57.5	55.5	0.4541	0.6047	0.4659	1.5246	0.3657	1.0274	0.2306	1.6237
1405	53.9	55.1	0.4535	0.6036	0.4657	1.5227	0.4086	1.0118	0.1571	1.5774
1406	54.7	54.7	0.4546	0.6005	0.4679	1.5231	0.4149	1.022	0.1331	1.57
1407	52	54.3	0.4583	0.5976	0.4666	1.5226	0.4209	0.9961	0.1402	1.5572
1408	52.4	53.8	0.4595	0.5951	0.4663	1.5208	0.4245	0.9771	0.1512	1.5528
1409	53	53.4	0.4603	0.5945	0.4661	1.5208	0.358	1.0532	0.1409	1.5521
1410	52.6	53.2	0.4611	0.5933	0.465	1.5194	0.3238	1.0851	0.129	1.5379
1411	52	52.9	0.4572	0.5932	0.4662	1.5167	0.3326	1.0422	0.1842	1.559
1412	52.9	52.7	0.4546	0.5937	0.4658	1.5142	0.3084	1.0529	0.2048	1.5662
1413	51.8	52.6	0.4546	0.5925	0.4654	1.5124	0.3065	1.0419	0.207	1.5554
1414	52.6	52.4	0.4526	0.5903	0.4658	1.5087	0.3125	0.9987	0.2236	1.5348
1415	50.6	52.4	0.4469	0.5947	0.4667	1.5083	0.3334	0.9942	0.2103	1.5379
1416	51.9	52.3	0.4396	0.5998	0.4662	1.5056	0.3609	1.0133	0.1889	1.5631
1417	50.7	52.4	0.4397	0.599	0.4645	1.5032	0.3865	0.9929	0.1681	1.5475
1418	50.7	52.5	0.4371	0.5986	0.4628	1.4984	0.4169	0.9724	0.1623	1.5516
1419	51.7	52.4	0.4355	0.5982	0.4621	1.4959	0.388	0.9751	0.1537	1.5168
1420	51.7	52.3	0.4341	0.5983	0.4615	1.4939	0.3724	0.9588	0.1541	1.4853
1421	52.7	52.5	0.4364	0.5951	0.4615	1.493	0.3892	0.9134	0.1518	1.4544
1422	53.6	52.7	0.4422	0.5859	0.4627	1.4908	0.3903	0.8893	0.1837	1.4634
1423	54.1	52.9	0.4477	0.5781	0.4637	1.4895	0.3748	0.881	0.2041	1.4599
1424	53	52.9	0.4496	0.5742	0.4651	1.4889	0.3396	0.8784	0.1968	1.4147
1425	53.8	53	0.4507	0.5754	0.4653	1.4914	0.3273	0.8961	0.1682	1.3915
1426	54.5	53.1	0.4505	0.5758	0.4658	1.4921	0.3752	0.9326	0.0601	1.3679
1427	52.8	53.3	0.4491	0.5762	0.4654	1.4907	0.4413	0.9694	-0.0331	1.3776
1428	51.2	53.5	0.4487	0.5764	0.4637	1.4888	0.4899	0.9496	-0.0269	1.4126
1429	51.7	53.5	0.449	0.5756	0.4634	1.488	0.5641	0.9256	-0.0374	1.4522
1430	55.2	53.6	0.4424	0.5833	0.4645	1.4903	0.6301	0.8849	-0.058	1.4569
1431	56.2	53.7	0.4378	0.5895	0.4627	1.49	0.6118	0.9002	-0.0735	1.4385
1432	55.4	53.8	0.4391	0.5866	0.4624	1.4882	0.5579	0.957	-0.0801	1.4348
1433	54	53.8	0.4408	0.584	0.4631	1.488	0.5154	1.0054	-0.085	1.4358
1434	52.8	53.7	0.4434	0.5802	0.4646	1.4882	0.5135	0.9977	-0.0874	1.4238

1435	53.6	53.7	0.4435	0.5799	0.4657	1.4891	0.511	0.9786	-0.1004	1.3891
1436	54	53.7	0.4445	0.5775	0.4653	1.4873	0.4958	0.982	-0.1099	1.368
1437	53.9	53.6	0.4434	0.5768	0.4647	1.4848	0.531	0.9445	-0.111	1.3645
1438	52.9	53.7	0.4411	0.5771	0.4627	1.4809	0.5796	0.9169	-0.1233	1.3731
1439	53.7	53.6	0.4412	0.5768	0.4609	1.479	0.5862	0.9583	-0.1345	1.41
1440	54.2	53.5	0.4422	0.5758	0.4601	1.4781	0.6144	0.9302	-0.1196	1.425
1441	54.9	53.2	0.4398	0.5766	0.4596	1.476	0.6225	0.9419	-0.1119	1.4526
1442	54.7	52.9	0.4371	0.5799	0.4592	1.4763	0.5915	0.9729	-0.1356	1.4288
1443	51	52.7	0.4363	0.5821	0.4592	1.4777	0.6283	0.9167	-0.1327	1.4124
1444	54.7	52.5	0.4391	0.5821	0.4591	1.4803	0.6191	0.9397	-0.0992	1.4597
1445	53.6	52.2	0.4413	0.5776	0.4601	1.4791	0.6023	0.9588	-0.1091	1.452
1446	51.5	51.9	0.4427	0.5734	0.4608	1.4769	0.5835	0.9701	-0.1132	1.4404
1447	52.9	51.6	0.4406	0.5711	0.4609	1.4725	0.5616	0.9476	-0.0973	1.4119
1448	50	51.3	0.4404	0.5725	0.4606	1.4734	0.5314	0.9302	-0.0917	1.3699
1449	52.5	50.8	0.441	0.5713	0.4602	1.4725	0.5372	0.9133	-0.0991	1.3513
1450	51.3	50.4	0.4444	0.5685	0.4579	1.4708	0.5595	0.9207	-0.1233	1.3569
1451	49.7	50	0.4476	0.5635	0.4569	1.4679	0.5118	0.9628	-0.1031	1.3714
1452	49.7	49.5	0.4462	0.5611	0.4567	1.464	0.5041	0.9253	-0.1025	1.327
1453	48.5	49.3	0.4389	0.5612	0.4596	1.4597	0.5121	0.9536	-0.1225	1.3432
1454	48.1	48.9	0.4345	0.5599	0.4636	1.4581	0.4774	0.9791	-0.1479	1.3086
1455	48	48.6	0.4343	0.5594	0.4644	1.458	0.4787	0.9897	-0.1657	1.3027
1456	47.8	48.5	0.4338	0.5603	0.4631	1.4572	0.4914	0.9865	-0.173	1.3049
1457	47	48.3	0.4347	0.5574	0.4623	1.4545	0.5178	0.9477	-0.1605	1.305
1458	45	48.3	0.4355	0.5544	0.4624	1.4523	0.564	0.9119	-0.186	1.2899
1459	46.2	48.3	0.4345	0.5532	0.4629	1.4507	0.553	0.9348	-0.2048	1.283
1460	47.2	48.2	0.4336	0.552	0.4619	1.4476	0.5148	0.9899	-0.2172	1.2875
1461	45.2	48.3	0.4325	0.5521	0.461	1.4456	0.5207	0.9786	-0.232	1.2673
1462	47.7	48.4	0.4328	0.5511	0.4611	1.4449	0.4874	0.9788	-0.2108	1.2553
1463	46.1	48.5	0.4325	0.5527	0.4618	1.447	0.5058	0.9531	-0.2004	1.2585
1464	49.6	48.7	0.4313	0.5522	0.4622	1.4457	0.5273	0.9525	-0.204	1.2758
1465	48.4	48.8	0.4321	0.5485	0.4615	1.4421	0.4782	0.9902	-0.1937	1.2747
1466	49.9	48.9	0.4324	0.5482	0.4616	1.4422	0.4614	1.0046	-0.1736	1.2924
1467	50.3	49	0.4295	0.5494	0.4616	1.4405	0.3653	1.0934	-0.1696	1.2891
1468	51.2	49.1	0.4297	0.5504	0.4619	1.4419	0.3619	1.0929	-0.1776	1.2772
1469	50.4	49.1	0.4286	0.5529	0.4607	1.4422	0.357	1.0896	-0.1704	1.2761
1470	52	48.9	0.426	0.5543	0.4609	1.4412	0.3557	1.0769	-0.1737	1.2589
1471	50.2	49	0.4263	0.5548	0.4595	1.4406	0.3389	1.0884	-0.1913	1.2361

1472	50.9	49	0.4279	0.5531	0.4573	1.4383	0.3612	1.0848	-0.1934	1.2526
1473	51.5	49	0.4287	0.5534	0.4572	1.4393	0.4127	1.0154	-0.1747	1.2534
1474	50.8	48.7	0.4292	0.5518	0.4593	1.4403	0.4577	0.9506	-0.148	1.2604
1475	49	48.5	0.4228	0.548	0.4705	1.4413	0.4747	0.9327	-0.1208	1.2865
1476	48.5	48.2	0.4141	0.5447	0.4798	1.4385	0.4881	0.9626	-0.1196	1.3311
1477	47.3	47.9	0.408	0.5467	0.4808	1.4355	0.4914	0.9669	-0.1219	1.3365
1478	46.1	47.6	0.4016	0.5474	0.482	1.431	0.4786	0.9737	-0.1252	1.327
1479	44.8	47.4	0.3976	0.547	0.483	1.4276	0.4926	0.9615	-0.1403	1.3139
1480	47.1	47.1	0.3988	0.5446	0.4816	1.4249	0.5124	0.9424	-0.1475	1.3074
1481	46.3	47	0.4015	0.5394	0.4816	1.4224	0.4435	1.0272	-0.1599	1.3107
1482	46.3	46.9	0.4042	0.5344	0.4811	1.4197	0.3814	1.0941	-0.1788	1.2967
1483	44.4	46.8	0.4049	0.5329	0.4807	1.4185	0.394	1.0616	-0.173	1.2825
1484	44	46.8	0.4049	0.5325	0.4807	1.4182	0.4106	1.0629	-0.1694	1.3041
1485	44.3	47	0.4067	0.5295	0.4811	1.4172	0.4667	1.0172	-0.1407	1.3432
1486	44.1	47.2	0.407	0.5286	0.4814	1.4169	0.4921	0.9899	-0.1426	1.3395
1487	46.4	47.3	0.4049	0.5296	0.4819	1.4164	0.5167	0.9688	-0.1644	1.3211
1488	46.4	47.6	0.4035	0.5293	0.4817	1.4145	0.5187	0.9857	-0.1979	1.3065
1489	46.7	47.9	0.4035	0.5285	0.4807	1.4126	0.5032	1.0089	-0.2305	1.2815
1490	48.6	48	0.4029	0.5276	0.4804	1.4108	0.5127	1.0323	-0.259	1.2861
1491	49.3	48.2	0.401	0.5276	0.4831	1.4116	0.5292	1.0306	-0.2767	1.2831
1492	49.4	48.5	0.3997	0.5272	0.4839	1.4108	0.5185	1.0494	-0.2891	1.2789
1493	51.1	48.8	0.4023	0.5221	0.483	1.4074	0.525	1.0917	-0.2854	1.3313
1494	52.1	49.1	0.4037	0.5189	0.4832	1.4058	0.5604	1.082	-0.2769	1.3654
1495	52.7	49.4	0.4054	0.5166	0.4827	1.4046	0.6113	1.0607	-0.2791	1.3929
1496	49.2	49.7	0.4062	0.517	0.4818	1.405	0.6389	1.0215	-0.2857	1.3747
1497	51.2	50	0.4052	0.5174	0.4824	1.405	0.6621	1	-0.2972	1.3649
1498	49.9	50.2	0.4021	0.521	0.4817	1.4047	0.6403	0.9983	-0.3019	1.3367
1499	50.5	50.4	0.403	0.5175	0.4823	1.4028	0.602	1.0182	-0.2823	1.3379
1500	49.9	50.4	0.4034	0.512	0.4824	1.3977	0.6075	1.0131	-0.2615	1.359
1501	50.8	50.4	0.4035	0.5127	0.4826	1.3988	0.6531	0.9798	-0.2646	1.3683
1502	51.5	50.5	0.4022	0.5119	0.4825	1.3966	0.7115	0.9077	-0.2875	1.3317
1503	49.1	50.5	0.404	0.5088	0.4828	1.3956	0.6875	0.9165	-0.2988	1.3052
1504	50	50.2	0.4062	0.5057	0.4825	1.3944	0.5744	0.9431	-0.261	1.2564
1505	50.5	50.1	0.4043	0.5049	0.483	1.3922	0.5265	0.9326	-0.2071	1.252
1506	51.2	50.1	0.4028	0.5057	0.484	1.3926	0.4976	0.974	-0.1913	1.2803
1507	50.8	50	0.4019	0.5064	0.4852	1.3936	0.5073	0.997	-0.203	1.3013
1508	49.7	50.1	0.4042	0.5016	0.4867	1.3925	0.5207	0.9729	-0.2045	1.289

1509	49.5	49.9	0.4088	0.4955	0.4878	1.3921	0.5145	0.9486	-0.1702	1.2929
1510	49	49.9	0.409	0.4954	0.4882	1.3926	0.4833	0.9132	-0.1156	1.2809
1511	51.1	49.8	0.4085	0.4954	0.4873	1.3912	0.4783	0.8931	-0.1294	1.242
1512	50	49.6	0.404	0.4984	0.4859	1.3883	0.4947	0.8913	-0.1485	1.2374
1513	47.6	49.6	0.4018	0.4972	0.4858	1.3849	0.5133	0.903	-0.16	1.2563
1514	50.4	49.6	0.4048	0.4913	0.4851	1.3812	0.5145	0.9416	-0.1691	1.287
1515	49.7	49.4	0.4007	0.4942	0.4841	1.3791	0.5254	0.9221	-0.1751	1.2724
1516	49.5	49.1	0.403	0.4904	0.4832	1.3767	0.5431	0.8905	-0.192	1.2417
1517	50.2	48.9	0.4035	0.4897	0.4823	1.3755	0.5322	0.9012	-0.1861	1.2473
1518	48.1	48.6	0.4014	0.4896	0.4798	1.3708	0.5051	0.9376	-0.2012	1.2415
1519	49.6	48.4	0.3999	0.4905	0.4795	1.37	0.5269	0.9438	-0.2114	1.2593
1520	48.8	48.2	0.4002	0.4895	0.4806	1.3703	0.5312	0.9663	-0.2269	1.2707
1521	47.9	47.8	0.4003	0.4866	0.4808	1.3678	0.5088	0.9846	-0.2268	1.2667
1522	48.5	47.5	0.401	0.4843	0.4802	1.3655	0.4684	1.0475	-0.2337	1.2822
1523	49.4	47.3	0.4019	0.483	0.4785	1.3634	0.5004	1.0185	-0.2537	1.2652
1524	47.4	46.9	0.4022	0.4809	0.4772	1.3603	0.5241	1.0152	-0.2582	1.281
1525	45.4	46.6	0.4019	0.4791	0.4773	1.3583	0.5522	0.9743	-0.2238	1.3027
1526	46.4	46.4	0.4014	0.4791	0.478	1.3585	0.5049	0.927	-0.0842	1.3477
1527	45.6	46.1	0.4012	0.4789	0.4779	1.358	0.4215	0.8966	0.0198	1.338
1528	44.6	45.7	0.3994	0.4802	0.4777	1.3574	0.3651	0.9333	0.0247	1.3231
1529	44.7	45.3	0.3977	0.4814	0.4781	1.3572	0.3349	0.9337	0.0089	1.2775
1530	44.3	44.9	0.3981	0.4806	0.4805	1.3592	0.3121	0.9306	-0.0004	1.2423
1531	43.8	44.6	0.3997	0.4801	0.4806	1.3603	0.3056	0.9388	-0.0164	1.2279
1532	43.8	44.2	0.3997	0.4805	0.4797	1.3599	0.3466	0.9161	-0.0191	1.2436
1533	43	43.8	0.3998	0.4777	0.4801	1.3576	0.3674	0.9094	-0.0154	1.2614
1534	45.3	43.4	0.3968	0.4784	0.4787	1.3539	0.368	0.911	-0.015	1.264
1535	44.2	43.1	0.3943	0.4809	0.48	1.3551	0.3573	0.9363	0.0175	1.3112
1536	44.4	42.8	0.3928	0.4806	0.4817	1.3552	0.3322	0.9322	0.0506	1.315
1537	42	42.6	0.3915	0.4782	0.4845	1.3541	0.3469	0.8992	0.0635	1.3096
1538	40.9	42.6	0.3907	0.4762	0.4858	1.3528	0.3161	0.9526	0.0738	1.3425
1539	41.9	42.5	0.3899	0.4736	0.4868	1.3504	0.2991	0.9683	0.0615	1.3289
1540	41.4	42.7	0.3893	0.4727	0.4878	1.3498	0.3148	0.94	0.026	1.2809
1541	41.2	42.7	0.3879	0.4717	0.4885	1.3481	0.3461	0.9343	-0.0152	1.2652
1542	41.4	42.8	0.3846	0.4707	0.4878	1.3431	0.3494	0.9364	0.0002	1.286
1543	41.2	42.9	0.3803	0.4739	0.4869	1.3411	0.3717	0.9107	0.0028	1.2853
1544	39.1	43	0.378	0.476	0.487	1.3411	0.4316	0.8494	-0.0213	1.2596
1545	39.6	43.2	0.3774	0.4755	0.4887	1.3416	0.4643	0.8254	-0.0357	1.254

1546	43.6	43.3	0.3765	0.4734	0.4905	1.3404	0.4572	0.846	-0.0362	1.267
1547	42.9	43.5	0.3765	0.4713	0.491	1.3389	0.4435	0.8847	-0.0445	1.2837
1548	44.4	43.8	0.3802	0.4706	0.4888	1.3396	0.4497	0.8793	-0.0434	1.2855
1549	46.7	44.1	0.3802	0.47	0.4863	1.3366	0.3791	0.951	-0.0367	1.2934
1550	43.9	44.5	0.3791	0.4705	0.4843	1.3339	0.3708	0.9395	-0.0233	1.287
1551	45.6	44.9	0.3764	0.4727	0.4856	1.3347	0.3415	0.9098	-0.0061	1.2452
1552	45.2	45.3	0.3774	0.4695	0.4866	1.3335	0.3363	0.9031	-0.0057	1.2337
1553	47.9	45.7	0.3814	0.4669	0.4857	1.3341	0.3454	0.8666	0.021	1.233
1554	47.8	46.3	0.3819	0.4667	0.4843	1.3329	0.3963	0.8318	0.0119	1.24
1555	45.8	46.8	0.3845	0.462	0.4835	1.33	0.368	0.8552	0.0158	1.239
1556	46.2	47.1	0.3831	0.4606	0.4834	1.3271	0.3508	0.8609	0.0408	1.2525
1557	47	47.4	0.3827	0.4602	0.4828	1.3256	0.363	0.8671	0.0454	1.2755
1558	47.1	47.5	0.3841	0.4595	0.4794	1.323	0.3689	0.8806	0.0361	1.2856
1559	48.1	47.7	0.3862	0.4619	0.4745	1.3226	0.4208	0.8393	0.0208	1.2809
1560	50.1	48	0.3858	0.4627	0.4749	1.3234	0.489	0.7886	0.0222	1.2998
1561	48.7	48.1	0.383	0.463	0.4758	1.3218	0.4908	0.7903	0.0175	1.2985
1562	48.9	48.2	0.3815	0.4608	0.4771	1.3193	0.4905	0.7812	-0.0235	1.2482
1563	49.4	48.1	0.381	0.4585	0.4787	1.3183	0.4452	0.8205	-0.0494	1.2164
1564	49.4	48.1	0.3788	0.46	0.4797	1.3185	0.4152	0.8087	-0.0385	1.1853
1565	49.6	48.1	0.3778	0.4595	0.4807	1.3179	0.4304	0.7811	-0.0172	1.1943
1566	49.5	48	0.3792	0.4581	0.4802	1.3175	0.3857	0.8076	-0.0101	1.1832
1567	46.4	47.9	0.379	0.4556	0.4818	1.3164	0.3969	0.7705	0.0202	1.1876
1568	50.4	47.8	0.377	0.456	0.483	1.316	0.3801	0.7541	0.0334	1.1676
1569	48.1	47.7	0.3755	0.4562	0.4834	1.3151	0.3401	0.7451	0.0087	1.0939
1570	48.7	47.4	0.3751	0.4558	0.4836	1.3146	0.3288	0.7684	0.0098	1.107
1571	46.1	47.3	0.3795	0.45	0.4828	1.3123	0.3508	0.7543	0.0114	1.1166
1572	47.5	47.2	0.3779	0.4513	0.4826	1.3118	0.3923	0.7151	-0.0062	1.1012
1573	46.1	47	0.3763	0.4519	0.483	1.3112	0.4154	0.7012	-0.0267	1.0899
1574	45.9	46.7	0.374	0.4544	0.4817	1.31	0.4294	0.7077	-0.0531	1.084
1575	45.3	46.6	0.3723	0.4553	0.479	1.3065	0.4293	0.698	-0.0713	1.056
1576	45.4	46.4	0.3719	0.455	0.4778	1.3047	0.3923	0.6522	0.0019	1.0463
1577	44.8	46.5	0.3715	0.4533	0.4784	1.3032	0.3692	0.6418	0.0475	1.0585
1578	45.3	46.3	0.3682	0.454	0.4811	1.3033	0.4026	0.6427	0.0386	1.084
1579	45.9	46.3	0.3664	0.454	0.483	1.3034	0.4007	0.6603	0.0356	1.0966
1580	46.9	46.2	0.3682	0.4507	0.4832	1.3021	0.3679	0.6826	0.0535	1.104
1581	45.3	46.2	0.3668	0.4478	0.4835	1.298	0.3975	0.6797	0.0565	1.1337
1582	45.6	46.2	0.3674	0.4435	0.4827	1.2936	0.4206	0.7079	0.0385	1.167

1583	44.5	46.2	0.3681	0.4418	0.4822	1.2921	0.4144	0.704	0.0615	1.1799
1584	46.7	46.3	0.3692	0.4389	0.479	1.2871	0.422	0.6892	0.0669	1.1782
1585	47.4	46.3	0.3734	0.4362	0.4761	1.2857	0.3636	0.7155	0.0746	1.1538
1586	46.9	46.2	0.3723	0.4387	0.475	1.286	0.3162	0.7375	0.0977	1.1513
1587	46.5	46.3	0.3733	0.4344	0.4745	1.2822	0.2868	0.7461	0.1293	1.1623
1588	48.6	46.4	0.3736	0.4325	0.4756	1.2816	0.2782	0.7326	0.1611	1.1719
1589	47.2	46.3	0.372	0.4345	0.4781	1.2845	0.3104	0.7027	0.1521	1.1651
1590	46	46.3	0.3683	0.4341	0.4819	1.2843	0.3207	0.6766	0.1444	1.1418
1591	46.7	46.2	0.366	0.4339	0.4831	1.283	0.3399	0.6922	0.1229	1.155
1592	47.7	46.1	0.3625	0.4361	0.4837	1.2823	0.3552	0.7023	0.1009	1.1584
1593	46.2	46.1	0.3591	0.4372	0.4851	1.2814	0.3258	0.7266	0.0901	1.1425
1594	45.1	46.2	0.3573	0.4364	0.4868	1.2804	0.2731	0.7717	0.0963	1.1411
1595	44.8	46	0.3597	0.432	0.4863	1.2779	0.2229	0.8307	0.1203	1.174
1596	45.4	45.9	0.3618	0.4285	0.4863	1.2766	0.2158	0.8422	0.1373	1.1954
1597	47.9	45.9	0.3602	0.4295	0.4867	1.2764	0.2269	0.8146	0.1533	1.1948
1598	45.1	45.8	0.3642	0.4258	0.4853	1.2754	0.2274	0.7802	0.158	1.1655
1599	45.5	45.7	0.3659	0.4235	0.4846	1.2741	0.2436	0.7762	0.1308	1.1506
1600	43.3	45.8	0.3692	0.421	0.483	1.2732	0.2602	0.7497	0.1083	1.1182
1601	43.7	45.7	0.3699	0.4224	0.4832	1.2754	0.2798	0.7595	0.0683	1.1076
1602	46	45.7	0.3677	0.4252	0.4804	1.2733	0.29	0.7934	0.0507	1.1341
1603	46.9	45.8	0.3644	0.4256	0.4816	1.2716	0.3252	0.7712	0.0452	1.1416
1604	44.3	45.9	0.3694	0.4202	0.4809	1.2705	0.3549	0.7526	0.0438	1.1513
1605	45.3	46	0.3692	0.4188	0.4789	1.267	0.3489	0.76	0.0422	1.1511
1606	46.3	46	0.3665	0.419	0.4795	1.265	0.3804	0.7188	0.0353	1.1345
1607	45.9	45.8	0.365	0.4183	0.4816	1.265	0.365	0.7038	0.0408	1.1096
1608	46.8	45.9	0.3621	0.4177	0.4847	1.2645	0.3541	0.7055	0.0266	1.0862
1609	46.9	45.8	0.3599	0.4166	0.4856	1.2621	0.3614	0.7217	-0.0076	1.0755
1610	45.9	45.9	0.36	0.4164	0.4864	1.2628	0.3844	0.7776	-0.057	1.105
1611	47	46	0.3595	0.4172	0.4896	1.2663	0.3722	0.793	-0.055	1.1103
1612	47.4	45.8	0.3595	0.4164	0.4908	1.2667	0.3579	0.7808	-0.0693	1.0695
1613	47.3	45.6	0.3603	0.4164	0.4896	1.2663	0.3705	0.7635	-0.0742	1.0598
1614	46.6	45.5	0.3618	0.4132	0.4868	1.2618	0.364	0.712	-0.0547	1.0214
1615	45.2	45.5	0.3622	0.4135	0.4851	1.2607	0.3259	0.7508	-0.0382	1.0385
1616	45.3	45.4	0.3633	0.4134	0.4812	1.2579	0.3399	0.7487	-0.054	1.0346
1617	45.9	45.2	0.3655	0.4143	0.4789	1.2587	0.3516	0.7401	-0.0366	1.0552
1618	44.5	44.9	0.3674	0.4151	0.4789	1.2614	0.307	0.7473	-0.0109	1.0434
1619	46	44.6	0.367	0.4137	0.4785	1.2593	0.2864	0.7705	0.0044	1.0613

1620	44.9	44.3	0.3651	0.4141	0.4795	1.2587	0.3016	0.7745	-0.0157	1.0604
1621	42.1	44	0.3611	0.4151	0.4815	1.2576	0.3175	0.7553	-0.0231	1.0497
1622	42.7	43.7	0.3594	0.4142	0.4829	1.2565	0.3766	0.6953	-0.0307	1.0412
1623	42.8	43.3	0.359	0.4123	0.4838	1.255	0.3943	0.6908	-0.0223	1.0628
1624	44.4	43.1	0.3592	0.4111	0.4843	1.2547	0.3809	0.7014	-0.0047	1.0776
1625	44.3	42.9	0.3626	0.4139	0.4771	1.2536	0.3377	0.7619	-0.0293	1.0703
1626	42.6	42.7	0.3645	0.4149	0.4732	1.2526	0.3203	0.7837	-0.068	1.0361
1627	41.8	42.6	0.361	0.4146	0.474	1.2496	0.3323	0.7974	-0.0997	1.03
1628	41	42.5	0.3594	0.4142	0.4741	1.2477	0.3553	0.789	-0.1087	1.0356
1629	40.4	42.4	0.3609	0.4131	0.4728	1.2468	0.3369	0.8055	-0.0803	1.0621
1630	40.4	42.3	0.3583	0.4126	0.4749	1.2458	0.3135	0.83	-0.054	1.0896
1631	41.7	42.4	0.3576	0.4093	0.4767	1.2436	0.3112	0.8082	-0.0454	1.074
1632	40.7	42.4	0.3583	0.4101	0.4736	1.2419	0.2922	0.7939	-0.0434	1.0428
1633	41.6	42.5	0.3576	0.4088	0.4734	1.2397	0.3055	0.7695	-0.0584	1.0167
1634	42.4	42.4	0.3604	0.4069	0.4712	1.2385	0.2856	0.769	-0.0281	1.0264
1635	41.5	42.5	0.3627	0.4071	0.4702	1.24	0.2796	0.7333	-0.0383	0.9746
1636	42.9	42.5	0.3641	0.406	0.4688	1.2389	0.3318	0.7168	-0.075	0.9736
1637	43.9	42.6	0.3637	0.4049	0.4684	1.237	0.3233	0.7614	-0.104	0.9806
1638	43.7	42.9	0.3597	0.406	0.4706	1.2362	0.3187	0.7413	-0.1114	0.9486
1639	43.4	43	0.3578	0.4059	0.4724	1.2362	0.3416	0.7264	-0.1225	0.9455
1640	42.9	43.1	0.3553	0.4035	0.4755	1.2343	0.3479	0.7503	-0.1144	0.9837
1641	43.5	43.2	0.3524	0.4014	0.4784	1.2323	0.3451	0.7405	-0.0882	0.9975
1642	44.3	43.4	0.3521	0.398	0.4788	1.2289	0.3445	0.7387	-0.0829	1.0004
1643	43.1	43.4	0.353	0.3968	0.4773	1.227	0.3398	0.7697	-0.0895	1.0199
1644	45.2	43.4	0.3557	0.393	0.475	1.2237	0.3282	0.7827	-0.0767	1.0342
1645	43.5	43.4	0.3558	0.3913	0.475	1.2221	0.2907	0.7774	-0.0244	1.0436
1646	43.5	43.3	0.3538	0.3919	0.4752	1.2209	0.2829	0.78	-0.01	1.0529
1647	45.7	43.2	0.3538	0.3932	0.4753	1.2223	0.2923	0.7352	0.0204	1.0479
1648	43.8	43.1	0.3558	0.393	0.4757	1.2245	0.286	0.7681	0.0141	1.0682
1649	42	43	0.3542	0.3951	0.4755	1.2247	0.3343	0.7172	-0.0015	1.05
1650	44.1	42.9	0.3511	0.3946	0.4775	1.2232	0.326	0.7104	-0.0166	1.0198
1651	43.3	42.8	0.3474	0.3933	0.4806	1.2213	0.355	0.7117	-0.0478	1.0189
1652	41.3	42.7	0.3449	0.3924	0.4821	1.2193	0.3339	0.7222	-0.0476	1.0086
1653	42.2	42.7	0.3459	0.3917	0.4814	1.219	0.2841	0.7311	-0.0439	0.9713
1654	41.8	42.5	0.347	0.3907	0.4801	1.2178	0.2507	0.6735	0.0263	0.9505
1655	41.3	42.4	0.3464	0.3901	0.48	1.2166	0.3087	0.5681	0.0581	0.9349
1656	41.6	42.2	0.3466	0.3902	0.4793	1.2161	0.3206	0.5526	0.0436	0.9168

1657	42.1	41.9	0.3472	0.3896	0.4801	1.217	0.2989	0.5522	0.0561	0.9073
1658	41.1	41.7	0.3479	0.3874	0.4802	1.2155	0.2991	0.5628	0.0692	0.9311
1659	42.3	41.6	0.3478	0.3842	0.4802	1.2121	0.291	0.5481	0.1053	0.9445
1660	42	41.4	0.3485	0.3834	0.4804	1.2123	0.2886	0.5606	0.0941	0.9434
1661	41.4	41.3	0.3472	0.3849	0.4828	1.2149	0.3136	0.5359	0.0802	0.9297
1662	43.3	41.1	0.3444	0.3844	0.4845	1.2133	0.3067	0.5365	0.1163	0.9595
1663	42.1	41	0.3446	0.3873	0.4841	1.2161	0.3183	0.5399	0.1265	0.9847
1664	40.4	40.8	0.3462	0.3849	0.4835	1.2146	0.3375	0.5523	0.1067	0.9964
1665	40.5	40.6	0.3438	0.3846	0.4861	1.2145	0.3829	0.4424	0.1561	0.9814
1666	39.5	40.3	0.344	0.3841	0.4839	1.212	0.3919	0.4744	0.1335	0.9997
1667	40.6	40.1	0.3483	0.3809	0.4829	1.212	0.393	0.5179	0.0829	0.9938
1668	39.8	39.9	0.3483	0.379	0.4826	1.2099	0.4136	0.5612	0.058	1.0328
1669	40.6	39.8	0.3454	0.3788	0.4849	1.2091	0.435	0.5639	0.0612	1.0601
1670	40.1	39.5	0.3434	0.3803	0.4859	1.2096	0.4337	0.5303	0.0621	1.026
1671	38.8	39.5	0.3418	0.3805	0.4859	1.2082	0.4228	0.5012	0.0852	1.0092
1672	38.9	39.3	0.3385	0.3822	0.4849	1.2055	0.3704	0.5179	0.0986	0.9868
1673	38.7	39.1	0.3382	0.3818	0.4835	1.2034	0.3406	0.5456	0.0859	0.9721
1674	36.7	39	0.3402	0.3782	0.4846	1.203	0.3361	0.559	0.084	0.9792
1675	37	39	0.3403	0.3769	0.4858	1.2029	0.3512	0.5561	0.0981	1.0054
1676	37.5	39.1	0.3387	0.3753	0.4878	1.2017	0.3904	0.5867	0.0376	1.0147
1677	38.4	39	0.336	0.3744	0.4892	1.1997	0.4151	0.6063	-0.0022	1.0193
1678	39.3	39	0.3345	0.3735	0.4891	1.1971	0.3997	0.5904	-0.0057	0.9843
1679	37.5	39	0.335	0.371	0.4884	1.1944	0.3884	0.6047	-0.0056	0.9875
1680	39.7	39	0.3371	0.3699	0.4878	1.1947	0.4033	0.613	-0.0251	0.9912
1681	39.8	39.1	0.3376	0.3684	0.4878	1.1937	0.4225	0.5751	-0.0015	0.9961
1682	38.9	39.2	0.3369	0.3665	0.4885	1.1919	0.4388	0.5525	0.0162	1.0075
1683	38.7	39.3	0.3395	0.3649	0.485	1.1895	0.4651	0.5722	0.004	1.0413
1684	40.4	39.6	0.3413	0.3656	0.4828	1.1896	0.4712	0.5811	-0.0001	1.0522
1685	41	39.9	0.3403	0.3646	0.4836	1.1884	0.518	0.5599	-0.0158	1.062
1686	39.3	40.1	0.34	0.3625	0.4854	1.1879	0.5286	0.568	-0.0287	1.0679
1687	39.5	40.1	0.3414	0.3602	0.4857	1.1873	0.5338	0.5745	-0.0546	1.0538
1688	40.2	40.3	0.3394	0.3598	0.4878	1.1871	0.5177	0.5766	-0.0663	1.028
1689	39.9	40.5	0.3372	0.3594	0.4895	1.1861	0.4705	0.578	-0.0306	1.0179
1690	40.5	40.5	0.3338	0.3601	0.4907	1.1846	0.4685	0.5406	0.0117	1.0208
1691	40.8	40.6	0.3316	0.36	0.4914	1.183	0.4588	0.5121	0.0476	1.0185
1692	42	40.7	0.3285	0.3591	0.4926	1.1803	0.4373	0.531	0.0594	1.0277
1693	41.6	40.8	0.3263	0.3589	0.4928	1.178	0.4147	0.5416	0.0371	0.9934

1694	43.3	40.7	0.3282	0.3586	0.4892	1.1761	0.4033	0.5533	0.0255	0.9821
1695	40.8	40.6	0.3314	0.354	0.4873	1.1727	0.4188	0.5279	-0.0066	0.9401
1696	39.6	40.7	0.3326	0.355	0.4842	1.1718	0.4092	0.5253	-0.0029	0.9316
1697	42.5	40.6	0.3316	0.3527	0.4853	1.1696	0.3591	0.4675	0.0913	0.9179
1698	40.5	40.4	0.3307	0.3541	0.4855	1.1704	0.3449	0.4159	0.1743	0.9351
1699	41.2	40.4	0.3333	0.3525	0.4863	1.1721	0.3628	0.408	0.2012	0.9721
1700	41.5	40.3	0.3337	0.3498	0.4878	1.1713	0.34	0.4168	0.2027	0.9594
1701	40.2	40.1	0.3365	0.3502	0.4879	1.1746	0.3112	0.4241	0.2167	0.952
1702	39.7	39.8	0.3393	0.3521	0.4848	1.1762	0.2977	0.4254	0.2336	0.9566
1703	39.7	39.5	0.3393	0.3583	0.4789	1.1765	0.2938	0.4178	0.2448	0.9563
1704	39.3	39.1	0.3385	0.3634	0.4751	1.177	0.3221	0.3803	0.2389	0.9413
1705	39.8	38.8	0.3372	0.3636	0.4746	1.1753	0.3446	0.3408	0.241	0.9263
1706	37.9	38.6	0.3366	0.3638	0.4738	1.1743	0.3621	0.3233	0.2617	0.9471
1707	36.4	38.1	0.3351	0.362	0.4747	1.1719	0.3757	0.3207	0.2637	0.9601
1708	40.2	37.8	0.333	0.3629	0.4741	1.17	0.3746	0.316	0.2545	0.9451
1709	39.1	37.4	0.331	0.3606	0.4761	1.1677	0.3287	0.3529	0.2277	0.9093
1710	36	37	0.3286	0.3628	0.4784	1.1698	0.292	0.3413	0.2336	0.8668
1711	36.7	36.7	0.3288	0.3636	0.478	1.1704	0.316	0.288	0.2638	0.8678
1712	36.8	36.4	0.3276	0.3624	0.4782	1.1682	0.3349	0.2739	0.2954	0.9042
1713	34.4	36.1	0.3266	0.3612	0.479	1.1667	0.3046	0.2843	0.3337	0.9227
1714	36.4	35.9	0.3235	0.3689	0.4712	1.1636	0.2926	0.347	0.3285	0.9681
1715	35	35.6	0.323	0.3661	0.4718	1.1608	0.3138	0.3128	0.3225	0.9491
1716	33.6	35.3	0.324	0.3616	0.4729	1.1585	0.3001	0.2928	0.3697	0.9627
1717	34	35.2	0.3241	0.3582	0.4731	1.1554	0.3034	0.2988	0.35	0.9522
1718	33.8	34.8	0.3239	0.3587	0.4728	1.1554	0.3367	0.3085	0.3279	0.973
1719	34.8	34.6	0.3237	0.3607	0.4723	1.1567	0.3356	0.2855	0.3713	0.9924
1720	34.3	34.5	0.3228	0.3639	0.471	1.1578	0.3093	0.2477	0.4377	0.9947
1721	33.9	34.4	0.324	0.3633	0.4716	1.159	0.3016	0.2633	0.4339	0.9987
1722	33.8	34.3	0.3254	0.3597	0.4743	1.1593	0.3121	0.2328	0.4219	0.9667
1723	34.7	34.2	0.3253	0.3564	0.4754	1.1571	0.2921	0.2886	0.3836	0.9643
1724	33.5	34.1	0.3241	0.3555	0.4745	1.1541	0.2706	0.3204	0.3471	0.9382
1725	33.6	34	0.3236	0.3552	0.4734	1.1522	0.2952	0.3228	0.3375	0.9555
1726	34.2	34	0.323	0.3543	0.4734	1.1507	0.2888	0.3228	0.366	0.9775
1727	33.3	34	0.321	0.3556	0.4746	1.1512	0.2782	0.3009	0.3893	0.9684
1728	33.8	34	0.3205	0.3537	0.4747	1.149	0.2827	0.2728	0.3899	0.9454
1729	34.7	34	0.3206	0.3518	0.4753	1.1477	0.2554	0.2624	0.3919	0.9097
1730	35.3	34.1	0.3161	0.3551	0.475	1.1462	0.2414	0.2605	0.3792	0.8811

1731	34.5	34.1	0.3137	0.354	0.4751	1.1429	0.2528	0.2564	0.3766	0.8858
1732	33.1	34.1	0.3118	0.3528	0.4732	1.1378	0.2651	0.1815	0.4456	0.8923
1733	34.9	34.1	0.3104	0.3507	0.4734	1.1345	0.2604	0.1188	0.502	0.8812
1734	33	34.2	0.3086	0.3509	0.4728	1.1323	0.2747	0.1243	0.4632	0.8622
1735	33	34.2	0.3098	0.3503	0.4731	1.1332	0.2945	0.1376	0.4379	0.8701
1736	34	34.2	0.3108	0.3486	0.4742	1.1336	0.3042	0.1211	0.4431	0.8683
1737	34.1	34.3	0.3119	0.3473	0.475	1.1342	0.3225	0.0936	0.4679	0.884
1738	34.3	34.2	0.3126	0.3482	0.4736	1.1344	0.337	0.0735	0.4768	0.8873
1739	35.2	34.2	0.311	0.3519	0.4712	1.1341	0.2895	0.0852	0.4951	0.8698
1740	34.2	34.1	0.3094	0.3523	0.4707	1.1324	0.2349	0.1398	0.4854	0.86
1741	33.7	34.1	0.3087	0.3483	0.4725	1.1295	0.1798	0.1747	0.483	0.8374
1742	34.9	34.1	0.3106	0.3439	0.4751	1.1295	0.1519	0.1807	0.5012	0.8338
1743	35.8	33.9	0.3127	0.3414	0.4747	1.1288	0.1414	0.1773	0.4981	0.8167
1744	34.5	33.8	0.3138	0.3402	0.4756	1.1297	0.1326	0.1839	0.4651	0.7817
1745	34.3	33.9	0.3149	0.3387	0.4753	1.1289	0.1531	0.2097	0.413	0.7757
1746	33.9	33.9	0.3179	0.3452	0.4661	1.1291	0.1768	0.1754	0.386	0.7381
1747	33.2	33.8	0.3193	0.3516	0.4578	1.1288	0.1804	0.1924	0.3545	0.7272
1748	33.9	33.8	0.3195	0.3522	0.4556	1.1273	0.1812	0.1659	0.3511	0.6982
1749	34.1	33.8	0.3202	0.3534	0.4552	1.1288	0.1838	0.1801	0.3661	0.73
1750	33.4	33.9	0.32	0.3521	0.4558	1.128	0.2196	0.1574	0.3725	0.7496
1751	32.6	34	0.3176	0.3508	0.4572	1.1256	0.2528	0.0732	0.4672	0.7932
1752	31.9	34.1	0.3155	0.3506	0.4576	1.1237	0.2836	0.0775	0.4732	0.8343
1753	31.9	34.2	0.3137	0.3536	0.4575	1.1248	0.3147	0.098	0.4462	0.8588
1754	34.5	34.2	0.3125	0.3566	0.456	1.1251	0.3185	0.1626	0.3904	0.8714
1755	33.1	34.3	0.3102	0.3578	0.4538	1.1218	0.3137	0.2172	0.3542	0.8851
1756	33.5	34.5	0.309	0.3582	0.453	1.1201	0.3028	0.2216	0.3526	0.877
1757	34	34.7	0.3098	0.358	0.4547	1.1224	0.3002	0.2263	0.3487	0.8752
1758	34.8	34.8	0.3151	0.3521	0.4574	1.1245	0.2872	0.21	0.3619	0.8591
1759	36.7	34.9	0.3186	0.35	0.4568	1.1254	0.2669	0.2215	0.3595	0.8479
1760	35.8	34.9	0.3169	0.3546	0.454	1.1255	0.2484	0.1985	0.3855	0.8324
1761	36.6	35	0.3137	0.3575	0.4532	1.1244	0.2242	0.2255	0.4148	0.8645
1762	36.8	35.2	0.314	0.356	0.4511	1.121	0.229	0.2368	0.4151	0.8808
1763	35.7	35.4	0.3154	0.3526	0.4513	1.1193	0.2184	0.2259	0.4217	0.866
1764	36.3	35.5	0.3148	0.3536	0.4513	1.1197	0.2086	0.2143	0.4355	0.8584
1765	36.6	35.4	0.3138	0.3553	0.4492	1.1182	0.1752	0.3069	0.3508	0.8329
1766	36.3	35.2	0.3137	0.3542	0.4489	1.1168	0.1711	0.2769	0.3611	0.8092
1767	36.8	35	0.3146	0.35	0.4501	1.1147	0.186	0.2273	0.3789	0.7922

1768	35.3	34.8	0.3148	0.3504	0.4455	1.1106	0.1892	0.1887	0.3862	0.7641
1769	34	34.4	0.3144	0.354	0.4412	1.1096	0.1885	0.1975	0.387	0.7731
1770	34.6	34.2	0.3132	0.354	0.4425	1.1097	0.1883	0.2242	0.3857	0.7982
1771	36.3	33.8	0.3106	0.3572	0.4437	1.1115	0.1803	0.2678	0.3739	0.822
1772	35.4	33.5	0.3092	0.3533	0.4465	1.1091	0.1977	0.2633	0.3864	0.8475
1773	35.2	33.3	0.3111	0.3497	0.4487	1.1096	0.2171	0.2198	0.4258	0.8627
1774	31.6	33.1	0.3107	0.3459	0.4509	1.1075	0.2197	0.1798	0.4464	0.8459
1775	30.7	32.9	0.3114	0.3446	0.4492	1.1052	0.2066	0.1709	0.4399	0.8174
1776	30.5	32.7	0.3109	0.3452	0.4488	1.1049	0.2024	0.1692	0.4305	0.8021
1777	30.2	32.5	0.3077	0.3472	0.4503	1.1051	0.1964	0.1592	0.4373	0.7929
1778	29.7	32.4	0.3089	0.3473	0.4499	1.1061	0.1722	0.1788	0.4596	0.8106
1779	30.5	32.3	0.3109	0.3449	0.4505	1.1063	0.168	0.156	0.4672	0.7912
1780	29.9	32.2	0.3118	0.3442	0.4501	1.1061	0.1715	0.131	0.4821	0.7846
1781	31.2	32	0.3111	0.3502	0.4432	1.1045	0.1091	0.1802	0.4852	0.7744
1782	32.1	31.9	0.3108	0.3547	0.4383	1.1038	0.077	0.1666	0.4934	0.737
1783	31.8	31.7	0.3121	0.3525	0.4387	1.1032	0.0491	0.1519	0.4726	0.6736
1784	32.5	31.8	0.3118	0.3518	0.439	1.1026	0.0302	0.1218	0.4826	0.6346
1785	33	31.8	0.3098	0.3525	0.4392	1.1015	0.0029	0.127	0.4813	0.6112
1786	33.3	31.8	0.3078	0.3532	0.4386	1.0995	0.0214	0.12	0.4928	0.6342
1787	33.1	31.8	0.3077	0.3529	0.438	1.0986	0.0367	0.0945	0.5183	0.6495
1788	32.9	31.8	0.3105	0.3513	0.4383	1.1001	0.0552	0.0755	0.5384	0.6691
1789	32.9	31.8	0.3137	0.3455	0.441	1.1001	0.0682	0.0912	0.5252	0.6846
1790	32.4	31.8	0.3158	0.3426	0.4424	1.1008	0.0423	0.1535	0.4946	0.6904
1791	32.2	31.7	0.3164	0.342	0.4413	1.0996	0.0168	0.1626	0.4944	0.6739
1792	32.8	31.7	0.3144	0.3414	0.4428	1.0986	0.0047	0.0985	0.5323	0.6355
1793	32.9	31.5	0.313	0.3405	0.4463	1.0998	0.0375	0.0235	0.5863	0.6473
1794	30.5	31.2	0.3129	0.3377	0.4479	1.0985	0.0746	-0.019	0.5902	0.6458
1795	31.4	31	0.3137	0.3364	0.4487	1.0988	0.0968	-0.042	0.6175	0.6724
1796	29.7	30.7	0.3145	0.3357	0.4488	1.0991	0.1179	-0.0687	0.622	0.6712
1797	30.1	30	0.3135	0.3361	0.4502	1.0998	0.1753	0.0491	0.4631	0.6874
1798	29.6	29.7	0.3124	0.3361	0.4489	1.0974	0.2057	0.1723	0.3162	0.6942
1799	29.4	29.5	0.3114	0.3367	0.449	1.0971	0.2135	0.1865	0.2791	0.679
1800	29.4	29.4	0.3084	0.3425	0.4411	1.092	0.231	0.2131	0.2775	0.7216