Test Name	**HPL, PF, rep 2**
Cladding	**High Pressure Laminate (HPL)**
Cladding Thickness [mm]	**8**
Insulation	**Phenolic (PF) foam**
Insulation Thickness [mm]	**100**
Cavity Width [mm]	**50**
Repetition Number	**2**
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 second repetition of this system configuration.
Experiment Notes	At approximately 7 minutes the HPL panel began to touch the insulation panel, affecting the mass measurements. At approximately 12 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. The Phenolic foam insulation was seen to continue smouldering after the experiment was terminated, requiring extinguishment.
Peak HRR [kW]	**136**
Time to Peak HRR [mins]	**11.2**
Residual HRR [kW]	**40.6**
Total HR [MJ]	**132**
Peak dQ/dt [kW/s]	**0.462**
Time to Peak dQ/dt [s]	**8.18**

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	0.239	0.239	6.9572	2.3171	-0.0005	9.2738	0.276	0.1953	-0.004	0.4673
1	0.229	0.257	6.9572	2.3172	-0.0006	9.2738	0.2843	0.1917	0.0021	0.4782
2	0.302	0.399	6.9578	2.3171	-0.0007	9.2742	0.2932	0.1877	0.0035	0.4844
3	0.42	0.619	6.9587	2.3162	-0.0006	9.2743	0.2953	0.1821	0.0013	0.4787
4	0.804	0.85	6.9584	2.316	-0.0008	9.2736	0.3102	0.1789	0.0015	0.4906
5	1.13	1.27	6.9583	2.3159	-0.0007	9.2735	0.3197	0.1778	0.0055	0.5029
6	1.21	1.81	6.9585	2.3157	-0.0006	9.2736	0.3289	0.1779	0.0093	0.5162
7	1.29	2.41	6.959	2.3154	-0.0007	9.2737	0.335	0.1832	0.0118	0.53
8	2.02	2.99	6.9592	2.3151	-0.0005	9.2738	0.3388	0.1867	0.0193	0.5448
9	2.92	3.49	6.959	2.315	-0.0004	9.2736	0.3376	0.1923	0.0172	0.547
10	3.45	3.93	6.9587	2.3148	-0.0006	9.2729	0.3374	0.1999	0.015	0.5522
11	4.2	4.36	6.9589	2.3146	-0.0005	9.273	0.3363	0.2013	0.0145	0.5521
12	5.27	4.82	6.9596	2.3143	-0.0005	9.2734	0.3291	0.1985	0.0129	0.5405
13	6.14	5.28	6.961	2.314	-0.0006	9.2744	0.3209	0.2012	0.0121	0.5342
14	6.59	5.77	6.9614	2.3138	-0.0007	9.2746	0.3101	0.2066	0.0117	0.5284
15	7.09	6.24	6.9616	2.3137	-0.0005	9.2748	0.3029	0.2095	0.0114	0.5238
16	7.54	6.68	6.9611	2.3135	-0.0004	9.2742	0.2939	0.2093	0.0086	0.5117
17	7.7	7.15	6.9605	2.3134	-0.0003	9.2736	0.2847	0.2102	0.0063	0.5013
18	7.81	7.57	6.9608	2.3134	-0.0004	9.2738	0.2709	0.2085	0.0033	0.4828
19	8.49	7.92	6.9609	2.3128	-0.0004	9.2733	0.2628	0.2083	0.0015	0.4726
20	8.4	8.24	6.9602	2.3128	-0.0002	9.2728	0.2559	0.2041	0.0012	0.4611
21	9.01	8.52	6.959	2.3126	-0.0003	9.2713	0.2495	0.2012	-0.0014	0.4493
22	9.29	8.74	6.957	2.3124	-0.0003	9.2691	0.2445	0.1944	-0.0006	0.4382
23	10.1	8.93	6.9552	2.3124	-0.0004	9.2672	0.2418	0.1961	0.0025	0.4404
24	10.1	9.12	6.9539	2.3122	-0.0004	9.2657	0.2416	0.193	0.0041	0.4386
25	9.58	9.3	6.9529	2.3121	-0.0002	9.2648	0.2423	0.1915	0.0048	0.4386
26	10.2	9.45	6.9527	2.312	-0.0002	9.2645	0.2561	0.1942	0.0034	0.4537
27	10.1	9.6	6.9531	2.3115	-0.0001	9.2645	0.2695	0.1922	0.0047	0.4664
28	9.54	9.77	6.9562	2.3107	-0.0002	9.2668	0.2813	0.1871	0.0039	0.4724

29	9.46	9.88	6.9582	2.3105	-0.0004	9.2683	0.2831	0.1896	0.0037	0.4764
30	9.54	10	6.9597	2.3102	-0.0004	9.2695	0.2929	0.1871	0	0.4799
31	9.53	10.1	6.9589	2.3101	-0.0004	9.2686	0.2912	0.184	-0.0003	0.4749
32	9.6	10.2	6.9576	2.3099	-0.0004	9.2671	0.2978	0.1823	0	0.4801
33	10.3	10.2	6.9561	2.3096	-0.0004	9.2653	0.3051	0.1783	0.0029	0.4863
34	10.4	10.2	6.955	2.3096	-0.0005	9.264	0.3107	0.1779	0.0048	0.4934
35	10.4	10.3	6.9532	2.3095	-0.0006	9.2621	0.3161	0.1771	0.0051	0.4984
36	10.6	10.3	6.951	2.3092	-0.0006	9.2597	0.3273	0.175	0.0038	0.5061
37	10.9	10.3	6.9502	2.3092	-0.0005	9.2589	0.3336	0.179	0.0016	0.5142
38	10.6	10.4	6.9503	2.3092	-0.0003	9.2592	0.3405	0.1782	0.0022	0.5208
39	11.1	10.4	6.9507	2.3091	-0.0004	9.2594	0.3455	0.1695	0.0023	0.5172
40	10.7	10.5	6.9502	2.3088	-0.0006	9.2584	0.3501	0.1713	0.0044	0.5258
41	10.5	10.5	6.9502	2.3088	-0.0008	9.2582	0.3537	0.1723	0.0041	0.5302
42	11.1	10.6	6.951	2.3084	-0.0008	9.2586	0.3597	0.1701	0.0033	0.533
43	10.6	10.6	6.9505	2.3083	-0.0007	9.2581	0.3686	0.167	0.0032	0.5388
44	10.8	10.6	6.9485	2.3082	-0.0005	9.2562	0.3735	0.167	0.0038	0.5443
45	10.6	10.6	6.9466	2.3082	-0.0003	9.2545	0.3753	0.1678	0.0049	0.5481
46	10.4	10.6	6.9454	2.3085	-0.0003	9.2536	0.3796	0.1664	0.0036	0.5496
47	10.2	10.5	6.9449	2.3084	-0.0003	9.2531	0.3839	0.1683	0.0058	0.5581
48	10.6	10.5	6.9442	2.3082	-0.0004	9.252	0.386	0.1641	0.0071	0.5572
49	9.84	10.5	6.943	2.3076	-0.0004	9.2502	0.385	0.1698	0.0079	0.5627
50	11.1	10.5	6.9423	2.3076	-0.0007	9.2492	0.3801	0.1716	0.0056	0.5573
51	10.6	10.5	6.9416	2.3076	-0.0008	9.2484	0.3818	0.1732	0.0044	0.5594
52	10.5	10.5	6.9412	2.3077	-0.0007	9.2482	0.3773	0.1779	0.0011	0.5563
53	10.3	10.5	6.9401	2.3077	-0.0007	9.2471	0.3755	0.1811	-0.0006	0.556
54	10.5	10.5	6.9392	2.3076	-0.0009	9.2459	0.3783	0.176	0.0001	0.5544
55	10.2	10.5	6.9384	2.3074	-0.0011	9.2447	0.3733	0.1731	-0.0031	0.5433
56	10	10.5	6.9377	2.3069	-0.0013	9.2434	0.3716	0.1715	-0.003	0.5401
57	10.8	10.5	6.9372	2.3065	-0.0017	9.242	0.3757	0.1749	-0.0033	0.5473
58	11	10.5	6.9369	2.306	-0.0016	9.2413	0.3848	0.175	-0.0028	0.557
59	10.9	10.5	6.9366	2.3054	-0.0015	9.2405	0.3912	0.1763	-0.0027	0.5648
60	10.4	10.5	6.9363	2.3051	-0.0015	9.2399	0.3964	0.1806	-0.0028	0.5742
61	10.7	10.5	6.9364	2.3051	-0.0014	9.2401	0.3945	0.1803	-0.0039	0.5708
62	10.3	10.5	6.9366	2.3047	-0.0014	9.24	0.4015	0.1801	-0.0015	0.5801
63	10.6	10.5	6.937	2.3042	-0.0013	9.2398	0.4195	0.1798	-0.0002	0.5991
64	10.3	10.5	6.9371	2.3038	-0.0013	9.2396	0.4404	0.1784	-0.0042	0.6146
65	10.4	10.6	6.9374	2.3036	-0.0012	9.2398	0.4552	0.1762	-0.008	0.6233

66	11.2	10.6	6.9378	2.3033	-0.001	9.24	0.47	0.1768	-0.0066	0.6403
67	10.5	10.6	6.9384	2.3032	-0.0008	9.2408	0.4843	0.1802	-0.0043	0.6601
68	9.97	10.7	6.9387	2.303	-0.0007	9.241	0.4805	0.1792	-0.0014	0.6583
69	10.1	10.7	6.9389	2.3031	-0.0007	9.2413	0.4863	0.1819	-0.003	0.6651
70	10	10.8	6.9391	2.3031	-0.0005	9.2417	0.4893	0.1798	-0.0047	0.6645
71	10.4	10.8	6.9392	2.3034	-0.0006	9.2421	0.4877	0.1812	-0.0036	0.6653
72	10.7	10.9	6.9392	2.3031	-0.0008	9.2415	0.4845	0.1818	-0.0035	0.6628
73	11	11	6.939	2.3031	-0.0009	9.2411	0.472	0.1829	-0.0039	0.651
74	11.4	11.1	6.9387	2.303	-0.001	9.2407	0.4655	0.1851	-0.0028	0.6479
75	11	11.2	6.9374	2.3026	-0.0009	9.2391	0.4594	0.192	-0.0024	0.649
76	10.9	11.2	6.9361	2.3026	-0.001	9.2377	0.4569	0.1878	0.0001	0.6448
77	12.2	11.3	6.9349	2.3028	-0.0009	9.2368	0.4578	0.189	0.0003	0.6471
78	11.7	11.4	6.9345	2.3024	-0.0009	9.236	0.4763	0.1889	-0.0001	0.6652
79	11.3	11.5	6.9334	2.3024	-0.0006	9.2352	0.519	0.1846	-0.0004	0.7032
80	11.5	11.6	6.9332	2.3025	-0.0006	9.2351	0.5523	0.1842	-0.0038	0.7327
81	11.4	11.7	6.9324	2.3024	-0.0006	9.2342	0.5853	0.1849	-0.003	0.7672
82	12	11.8	6.9315	2.3026	-0.0008	9.2332	0.5903	0.1919	-0.0062	0.776
83	12.2	11.9	6.9307	2.3024	-0.001	9.2322	0.5908	0.2037	-0.0083	0.7862
84	12.4	12	6.93	2.3023	-0.001	9.2312	0.5897	0.2004	-0.0115	0.7786
85	12.8	12.1	6.9287	2.3023	-0.0009	9.2301	0.5996	0.2006	-0.0116	0.7886
86	12	12.2	6.9278	2.3018	-0.0007	9.2289	0.6077	0.2035	-0.015	0.7961
87	11.7	12.3	6.9269	2.3017	-0.0008	9.2278	0.6105	0.2032	-0.007	0.8067
88	12	12.4	6.9261	2.3023	-0.0008	9.2276	0.6168	0.2038	-0.0058	0.8149
89	12.3	12.5	6.9253	2.302	-0.001	9.2263	0.6423	0.2049	-0.0058	0.8415
90	12.5	12.7	6.9246	2.3017	-0.001	9.2254	0.6681	0.2074	-0.0079	0.8676
91	12.7	12.8	6.9237	2.3017	-0.0009	9.2246	0.686	0.2095	-0.0101	0.8854
92	12.2	12.9	6.9226	2.3018	-0.0009	9.2235	0.7092	0.2089	-0.012	0.9061
93	12.8	13	6.9217	2.3017	-0.001	9.2224	0.7314	0.2075	-0.0117	0.9272
94	13.3	13	6.9212	2.3014	-0.0011	9.2215	0.7409	0.2136	-0.0122	0.9422
95	13.2	13.1	6.9204	2.3014	-0.0009	9.2208	0.7426	0.215	-0.0111	0.9465
96	13.5	13.1	6.9196	2.3011	-0.0012	9.2195	0.7394	0.2151	-0.0134	0.9412
97	13.1	13.2	6.919	2.3013	-0.0013	9.219	0.738	0.2209	-0.0121	0.9469
98	13.7	13.3	6.9187	2.3006	-0.0014	9.2179	0.7438	0.2303	-0.0136	0.9605
99	14.6	13.4	6.9188	2.3002	-0.0012	9.2179	0.7557	0.2322	-0.0169	0.9711
100	14.7	13.5	6.919	2.2998	-0.0009	9.2179	0.7559	0.2294	-0.0183	0.967
101	13.7	13.5	6.9195	2.2994	-0.0007	9.2182	0.7677	0.2331	-0.0188	0.982
102	13.7	13.5	6.9202	2.299	-0.0006	9.2186	0.7699	0.239	-0.0196	0.9893

103	13.2	13.6	6.9209	2.2986	-0.0006	9.2189	0.757	0.2538	-0.0221	0.9886
104	13.3	13.6	6.9211	2.2987	-0.0005	9.2193	0.7361	0.2606	-0.0228	0.9739
105	13.1	13.7	6.9212	2.2987	-0.0004	9.2195	0.7265	0.26	-0.0214	0.9651
106	13.7	13.7	6.9209	2.2982	-0.0003	9.2188	0.7319	0.2601	-0.0232	0.9688
107	13.7	13.8	6.9205	2.2979	-0.0004	9.218	0.7394	0.2587	-0.0237	0.9743
108	14	13.8	6.9201	2.2975	-0.0003	9.2173	0.7577	0.257	-0.0291	0.9856
109	13.6	13.8	6.9194	2.2969	-0.0001	9.2162	0.7826	0.2533	-0.0311	1.0048
110	13.2	13.8	6.9193	2.2968	-0.0002	9.2158	0.7997	0.2546	-0.0304	1.0238
111	13.4	13.9	6.9188	2.2966	-0.0003	9.215	0.8263	0.2561	-0.0334	1.0489
112	13.5	13.9	6.9177	2.2963	-0.0005	9.2135	0.8505	0.2638	-0.0307	1.0836
113	13.6	14	6.9169	2.2962	-0.0002	9.2129	0.8775	0.2676	-0.0318	1.1133
114	14.3	14.1	6.9159	2.2962	0.0001	9.2122	0.9131	0.2707	-0.0327	1.1512
115	14.5	14.3	6.9146	2.296	0.0001	9.2107	0.9311	0.2766	-0.0315	1.1762
116	14.4	14.4	6.9127	2.2955	0	9.2082	0.9529	0.2854	-0.0287	1.2096
117	14.3	14.5	6.9125	2.2955	-0.0002	9.2078	0.9756	0.284	-0.0282	1.2314
118	13.9	14.7	6.9122	2.2952	-0.0001	9.2073	0.9976	0.2863	-0.0253	1.2586
119	14.9	14.8	6.912	2.2949	0.0001	9.2069	1.0058	0.2966	-0.024	1.2783
120	15.5	15	6.9114	2.2947	0.0002	9.2062	1.0215	0.3025	-0.0238	1.3002
121	14.4	15.2	6.9105	2.2944	0	9.205	1.0444	0.3126	-0.0225	1.3345
122	15.1	15.4	6.9098	2.2941	0.0001	9.204	1.0714	0.3256	-0.0236	1.3734
123	15.1	15.7	6.9087	2.2939	-0.0001	9.2024	1.1011	0.3347	-0.0265	1.4093
124	15.8	15.9	6.908	2.293	-0.0001	9.2008	1.1234	0.3413	-0.0272	1.4375
125	16	16.1	6.9072	2.2933	-0.0002	9.2003	1.1439	0.3473	-0.0267	1.4645
126	16	16.3	6.9069	2.2931	-0.0002	9.1998	1.1511	0.3471	-0.0266	1.4716
127	16.8	16.4	6.9055	2.2926	-0.0001	9.198	1.1651	0.3547	-0.0288	1.491
128	17.1	16.6	6.9043	2.2923	-0.0001	9.1964	1.1781	0.3562	-0.0311	1.5032
129	16.5	16.8	6.9029	2.2921	0	9.195	1.1931	0.3633	-0.0304	1.526
130	17.5	17	6.9012	2.2917	-0.0001	9.1928	1.1968	0.3751	-0.0264	1.5456
131	17.4	17.2	6.8999	2.2909	0.0002	9.191	1.218	0.378	-0.0272	1.5688
132	18	17.5	6.8985	2.2896	0.0004	9.1885	1.2352	0.387	-0.028	1.5942
133	18.1	17.7	6.8971	2.2896	0.0007	9.1874	1.2551	0.3991	-0.0304	1.6238
134	18.1	18	6.895	2.2895	0.0006	9.1852	1.2736	0.4117	-0.0328	1.6525
135	18.2	18.3	6.8924	2.2892	0.0009	9.1825	1.2886	0.4143	-0.0359	1.6669
136	17.6	18.5	6.89	2.2889	0.0001	9.179	1.2892	0.4247	-0.0324	1.6814
137	18.1	18.7	6.8885	2.2889	0.0001	9.1775	1.3108	0.4373	-0.0322	1.7159
138	18.4	19	6.886	2.2887	0.0003	9.175	1.3184	0.4414	-0.0309	1.7289
139	18.3	19.2	6.8839	2.2884	0.0004	9.1726	1.3356	0.4521	-0.0361	1.7516

140	19.4	19.4	6.8816	2.2879	0.0004	9.1698	1.3598	0.4577	-0.0357	1.7818
141	19.4	19.6	6.8792	2.2879	0.0004	9.1676	1.3777	0.4665	-0.0372	1.807
142	19.4	19.8	6.8779	2.2876	0.0004	9.1659	1.4008	0.4796	-0.0359	1.8444
143	21.6	20	6.8764	2.2869	0.0006	9.1639	1.4114	0.486	-0.0337	1.8637
144	21.1	20.2	6.8743	2.2867	0.0006	9.1616	1.4132	0.4924	-0.0336	1.872
145	20.8	20.4	6.8727	2.2867	0.001	9.1604	1.4162	0.4973	-0.0347	1.8789
146	20.9	20.6	6.8716	2.2864	0.0009	9.1589	1.4247	0.51	-0.0362	1.8984
147	22.3	20.8	6.8705	2.2854	0.0011	9.157	1.4331	0.5076	-0.0407	1.9001
148	20.3	20.9	6.8686	2.285	0.0013	9.1549	1.4485	0.5219	-0.0453	1.9251
149	21.1	21	6.8674	2.2847	0.0014	9.1535	1.4673	0.5234	-0.049	1.9416
150	22.1	21.1	6.8656	2.2843	0.0012	9.151	1.4815	0.5279	-0.052	1.9574
151	21.7	21.3	6.8646	2.2837	0.0012	9.1495	1.5041	0.538	-0.0603	1.9818
152	21	21.4	6.8655	2.2823	0.0015	9.1494	1.5337	0.5451	-0.0597	2.0191
153	21.5	21.4	6.8665	2.2817	0.0016	9.1497	1.5653	0.5473	-0.059	2.0536
154	22.1	21.4	6.8666	2.2816	0.0012	9.1494	1.6171	0.5484	-0.0612	2.1044
155	21.4	21.5	6.8652	2.2814	0.0012	9.1478	1.6443	0.5483	-0.0613	2.1313
156	21.9	21.5	6.8638	2.2811	0.0011	9.146	1.6761	0.5644	-0.0601	2.1804
157	20.5	21.5	6.8614	2.2808	0.0012	9.1434	1.6951	0.5742	-0.066	2.2033
158	21.2	21.6	6.8587	2.2807	0.0015	9.1409	1.714	0.5738	-0.0685	2.2193
159	21.2	21.6	6.8566	2.2799	0.0015	9.1381	1.7537	0.5796	-0.0644	2.2688
160	21.8	21.6	6.8537	2.2795	0.0019	9.135	1.782	0.5773	-0.068	2.2913
161	22.2	21.7	6.8514	2.2787	0.0017	9.1317	1.8275	0.5808	-0.0738	2.3345
162	21.5	21.9	6.8489	2.2779	0.0018	9.1286	1.8587	0.5865	-0.0784	2.3667
163	21.5	22	6.8457	2.2771	0.0019	9.1247	1.8954	0.5903	-0.0832	2.4026
164	21.6	22.2	6.844	2.2761	0.0018	9.1219	1.9381	0.5967	-0.0791	2.4557
165	22.1	22.3	6.8421	2.275	0.0017	9.1189	1.9687	0.6082	-0.0738	2.5031
166	22.2	22.4	6.8402	2.2749	0.0018	9.1169	2.005	0.6177	-0.0739	2.5488
167	21.6	22.7	6.8387	2.2746	0.0017	9.1149	2.0287	0.6266	-0.0751	2.5802
168	21.9	22.8	6.8381	2.2733	0.0017	9.1132	2.0684	0.6403	-0.08	2.6287
169	22.5	23	6.8368	2.2728	0.0017	9.1113	2.1144	0.6447	-0.0825	2.6765
170	23.2	23.2	6.8347	2.2718	0.0017	9.1083	2.1413	0.647	-0.0896	2.6987
171	24	23.4	6.8321	2.2708	0.0018	9.1047	2.1654	0.6554	-0.0901	2.7307
172	23.9	23.7	6.8291	2.2696	0.0019	9.1005	2.1856	0.6598	-0.093	2.7524
173	24.8	24	6.8266	2.269	0.0018	9.0974	2.2106	0.6668	-0.0934	2.784
174	24.8	24.3	6.8243	2.2683	0.0017	9.0943	2.2376	0.6685	-0.0952	2.8109
175	23.8	24.6	6.8223	2.2679	0.0018	9.092	2.2631	0.6636	-0.0959	2.8308
176	25.1	24.8	6.8196	2.2671	0.0019	9.0886	2.3066	0.6754	-0.097	2.8851

177	23.7	25.2	6.8171	2.2672	0.0022	9.0864	2.3381	0.6834	-0.0979	2.9236
178	24.4	25.6	6.8152	2.2661	0.0021	9.0834	2.3459	0.6906	-0.0953	2.9412
179	26.2	25.8	6.8137	2.2649	0.002	9.0807	2.3731	0.6924	-0.0989	2.9666
180	25.9	26.2	6.8114	2.2647	0.0021	9.0783	2.4029	0.6987	-0.1016	3
181	26.7	26.4	6.8089	2.2637	0.0022	9.0748	2.4207	0.7124	-0.1083	3.0248
182	27.7	26.7	6.806	2.2627	0.0022	9.0709	2.4539	0.7134	-0.1062	3.0611
183	27	26.9	6.8034	2.2613	0.0023	9.0669	2.4837	0.7024	-0.1053	3.0809
184	28	27.2	6.8011	2.2609	0.0026	9.0646	2.53	0.7046	-0.1022	3.1325
185	26.2	27.5	6.7998	2.2599	0.0023	9.0619	2.5762	0.7146	-0.1162	3.1747
186	28.3	27.8	6.7967	2.2581	0.0025	9.0573	2.6021	0.7117	-0.1205	3.1933
187	29.8	28.2	6.795	2.2576	0.0023	9.0549	2.6267	0.7165	-0.1309	3.2123
188	27.6	28.5	6.7925	2.2571	0.0028	9.0524	2.6469	0.7297	-0.1329	3.2437
189	29.1	28.8	6.7893	2.2562	0.0026	9.0481	2.6786	0.7302	-0.1333	3.2755
190	28.8	29	6.7869	2.2551	0.0027	9.0447	2.7168	0.7345	-0.1315	3.3198
191	28.8	29.3	6.7837	2.2538	0.0027	9.0401	2.7468	0.739	-0.1324	3.3534
192	28.3	29.5	6.7814	2.2532	0.0025	9.0371	2.7632	0.7482	-0.1306	3.3808
193	31.3	29.8	6.7804	2.2524	0.0024	9.0352	2.7895	0.7531	-0.1311	3.4115
194	29.6	30.2	6.7796	2.2517	0.0024	9.0337	2.8115	0.7555	-0.131	3.4359
195	31.4	30.7	6.7779	2.2504	0.0027	9.031	2.8183	0.7666	-0.1332	3.4517
196	30	31.1	6.7763	2.2503	0.0029	9.0295	2.8409	0.7806	-0.1284	3.4932
197	30.2	31.4	6.7742	2.2491	0.0032	9.0265	2.8778	0.7872	-0.1289	3.5362
198	32.1	31.7	6.772	2.2482	0.0035	9.0237	2.9047	0.7812	-0.1274	3.5585
199	30.4	32	6.7707	2.2474	0.004	9.0221	2.9359	0.7878	-0.1247	3.5991
200	31.8	32.3	6.7686	2.246	0.0051	9.0197	2.9758	0.7933	-0.1295	3.6396
201	31.9	32.6	6.7661	2.2449	0.0053	9.0163	2.9988	0.8027	-0.1355	3.666
202	32.7	33	6.7637	2.2443	0.0053	9.0132	3.0309	0.8054	-0.1374	3.6989
203	35.5	33.2	6.7591	2.2438	0.0055	9.0084	3.0749	0.7998	-0.1346	3.7401
204	35.5	33.5	6.7566	2.2438	0.0057	9.0062	3.1342	0.8072	-0.133	3.8084
205	36.3	33.8	6.7536	2.2423	0.0056	9.0014	3.1711	0.8196	-0.138	3.8527
206	35.2	34.1	6.7514	2.2408	0.0063	8.9985	3.2066	0.8242	-0.139	3.8918
207	33.7	34.5	6.7491	2.2405	0.0065	8.996	3.2424	0.8315	-0.1391	3.9348
208	33.8	35	6.7447	2.2395	0.0062	8.9904	3.2566	0.8403	-0.1371	3.9597
209	35.5	35.4	6.7412	2.2392	0.0067	8.9871	3.2758	0.8518	-0.1342	3.9934
210	35	35.8	6.7365	2.2387	0.0072	8.9824	3.2872	0.8523	-0.1356	4.0039
211	35.7	36.3	6.7329	2.2379	0.0075	8.9783	3.3053	0.8541	-0.133	4.0263
212	33.8	36.8	6.7281	2.2373	0.0078	8.9732	3.3344	0.8513	-0.1363	4.0495
213	35.3	37.1	6.7231	2.2365	0.0077	8.9673	3.3432	0.8497	-0.1353	4.0576

214	37	37.5	6.719	2.2354	0.0075	8.9619	3.3588	0.8471	-0.1354	4.0704
215	37.1	37.8	6.7141	2.2342	0.0075	8.9558	3.3852	0.8373	-0.1397	4.0828
216	37.6	38.2	6.7098	2.2328	0.0075	8.9502	3.4111	0.8357	-0.1388	4.108
217	40.4	38.8	6.7056	2.2314	0.0078	8.9449	3.4158	0.8465	-0.1388	4.1235
218	38.3	39.2	6.7007	2.2307	0.0082	8.9397	3.4466	0.8506	-0.138	4.1591
219	40.4	39.7	6.6978	2.2302	0.009	8.937	3.4768	0.8469	-0.1379	4.1858
220	41.7	40.3	6.6949	2.2291	0.0092	8.9332	3.5219	0.8483	-0.1358	4.2344
221	42.1	40.8	6.692	2.2284	0.0093	8.9297	3.5673	0.845	-0.1345	4.2778
222	41	41.4	6.6888	2.2274	0.0094	8.9256	3.5988	0.8446	-0.1332	4.3102
223	42.1	42	6.6849	2.227	0.0094	8.9213	3.6073	0.8374	-0.1303	4.3143
224	42.3	42.7	6.6817	2.2266	0.0095	8.9177	3.6345	0.8408	-0.1304	4.345
225	42.9	43.3	6.6766	2.2257	0.0095	8.9118	3.6508	0.8453	-0.1332	4.3629
226	44.6	44	6.6731	2.2247	0.0096	8.9074	3.6694	0.8536	-0.1315	4.3915
227	42.9	44.5	6.6709	2.2236	0.0094	8.9039	3.6885	0.858	-0.1298	4.4167
228	43.7	45.2	6.667	2.223	0.0097	8.8998	3.7024	0.8686	-0.129	4.4421
229	47	45.7	6.6627	2.2222	0.0102	8.895	3.737	0.8651	-0.1327	4.4694
230	45	46.1	6.6591	2.2205	0.0107	8.8903	3.7678	0.8699	-0.1362	4.5015
231	45.6	46.4	6.6545	2.2196	0.0108	8.8849	3.7888	0.8757	-0.1373	4.5272
232	46.6	46.9	6.6501	2.2193	0.011	8.8804	3.8136	0.8763	-0.1372	4.5527
233	49.8	47.4	6.6441	2.2191	0.0109	8.8742	3.8297	0.8688	-0.139	4.5595
234	48.1	47.8	6.6374	2.2181	0.0122	8.8677	3.8404	0.8614	-0.1401	4.5617
235	52	48.2	6.6322	2.218	0.013	8.8632	3.852	0.8622	-0.1406	4.5736
236	49.3	48.5	6.6273	2.2172	0.0132	8.8578	3.8837	0.8584	-0.1447	4.5974
237	51.7	49.1	6.6238	2.2159	0.0134	8.8531	3.9015	0.8417	-0.1413	4.6019
238	50.6	49.5	6.6182	2.2157	0.0136	8.8475	3.9237	0.8505	-0.1441	4.6301
239	49.1	49.8	6.6122	2.2149	0.0135	8.8406	3.9653	0.843	-0.1415	4.6669
240	48.2	50.5	6.6069	2.2139	0.0136	8.8345	3.9877	0.8377	-0.1487	4.6766
241	50.2	51.1	6.6029	2.2131	0.0135	8.8295	4.0245	0.8345	-0.1482	4.7108
242	50.6	51.6	6.599	2.2123	0.0135	8.8248	4.0383	0.8291	-0.1468	4.7206
243	50.6	52	6.5953	2.2114	0.0137	8.8203	4.0668	0.8331	-0.1493	4.7506
244	50.1	52.5	6.5925	2.2101	0.0139	8.8164	4.1054	0.8366	-0.152	4.79
245	50.8	52.8	6.5886	2.2086	0.0138	8.8111	4.1297	0.839	-0.1527	4.816
246	53	53.2	6.5838	2.2077	0.0138	8.8053	4.1533	0.8361	-0.1535	4.836
247	51.5	53.5	6.5801	2.2073	0.0138	8.8012	4.1861	0.8414	-0.1556	4.8719
248	54.1	53.7	6.575	2.2062	0.0138	8.795	4.2004	0.8431	-0.1557	4.8878
249	57.2	54.2	6.5699	2.2053	0.0144	8.7896	4.2183	0.8391	-0.1519	4.9055
250	57.6	54.6	6.5657	2.204	0.0147	8.7844	4.2601	0.8375	-0.148	4.9496

251	55.7	55	6.5615	2.2032	0.0149	8.7796	4.3025	0.8254	-0.1413	4.9867
252	57.2	55.3	6.558	2.2024	0.015	8.7754	4.3411	0.8224	-0.1438	5.0197
253	57.1	55.6	6.553	2.2009	0.0149	8.7689	4.3822	0.8219	-0.1432	5.0609
254	58.6	56	6.5495	2.1996	0.015	8.7642	4.3932	0.8217	-0.1394	5.0755
255	57.7	56.4	6.5446	2.199	0.0151	8.7586	4.4182	0.8311	-0.14	5.1093
256	56.6	56.6	6.5396	2.1979	0.015	8.7525	4.4374	0.8236	-0.1436	5.1174
257	54.6	57.2	6.5358	2.1968	0.0149	8.7475	4.461	0.8201	-0.1362	5.1449
258	57.9	57.5	6.5311	2.1955	0.0149	8.7415	4.502	0.8336	-0.1352	5.2003
259	56.9	57.8	6.5279	2.1947	0.0151	8.7377	4.5005	0.8283	-0.1382	5.1906
260	56.8	57.9	6.5232	2.1941	0.0152	8.7324	4.5221	0.8327	-0.1361	5.2187
261	56	58.1	6.5179	2.1936	0.0153	8.7268	4.531	0.8409	-0.1282	5.2437
262	57.4	58.2	6.5145	2.193	0.0154	8.7229	4.5608	0.8436	-0.1253	5.2791
263	57.8	58.4	6.5098	2.1924	0.0155	8.7176	4.5676	0.8532	-0.1228	5.2979
264	56.9	58.6	6.5055	2.1924	0.0158	8.7137	4.5684	0.8535	-0.1253	5.2967
265	58.5	58.8	6.501	2.1915	0.0156	8.7081	4.5895	0.8515	-0.1267	5.3144
266	61.2	59.1	6.4986	2.1902	0.0157	8.7045	4.6044	0.8553	-0.1275	5.3322
267	60.2	59.4	6.494	2.1895	0.0155	8.699	4.6229	0.8513	-0.129	5.3453
268	62.5	59.5	6.4904	2.1887	0.0155	8.6946	4.6465	0.8509	-0.1308	5.3666
269	60.8	59.9	6.4846	2.188	0.0153	8.6879	4.6629	0.8502	-0.1385	5.3746
270	59.3	60.3	6.478	2.1873	0.0152	8.6805	4.6639	0.8638	-0.1358	5.3919
271	59.4	60.6	6.4722	2.1864	0.0151	8.6737	4.6826	0.8605	-0.1376	5.4055
272	60.3	60.9	6.4683	2.1859	0.0149	8.6691	4.7104	0.855	-0.1383	5.4271
273	61.7	61.1	6.4632	2.1849	0.0149	8.6629	4.7208	0.8465	-0.1373	5.43
274	62.2	61.4	6.4592	2.1838	0.015	8.658	4.7393	0.8533	-0.1388	5.4538
275	61.9	61.6	6.4553	2.1826	0.0149	8.6528	4.7641	0.8622	-0.1411	5.4852
276	61.1	61.9	6.4507	2.1813	0.0149	8.6469	4.7767	0.8624	-0.144	5.4951
277	60.2	62.2	6.4468	2.1803	0.0151	8.6422	4.8151	0.8586	-0.1451	5.5285
278	64.2	62.4	6.4415	2.1796	0.0154	8.6364	4.8557	0.8578	-0.1551	5.5584
279	63.3	62.7	6.4369	2.1779	0.0157	8.6305	4.8873	0.859	-0.1552	5.5911
280	63	62.9	6.4326	2.1771	0.0159	8.6255	4.9035	0.8559	-0.1567	5.6027
281	63.5	63.2	6.4275	2.1761	0.0159	8.6196	4.9275	0.8503	-0.1562	5.6215
282	61.6	63.5	6.423	2.1758	0.0161	8.6149	4.9406	0.8475	-0.1644	5.6237
283	61	63.7	6.4193	2.1751	0.0163	8.6107	4.9611	0.8584	-0.1665	5.6531
284	62.6	63.9	6.4159	2.1747	0.0166	8.6072	4.9739	0.859	-0.1668	5.6662
285	67.7	64	6.4114	2.174	0.0168	8.6022	4.9702	0.8574	-0.1554	5.6722
286	65.9	64.3	6.4066	2.1739	0.0166	8.5971	4.9769	0.8626	-0.1538	5.6857
287	65.2	64.5	6.4027	2.1725	0.0167	8.5919	5.0003	0.8641	-0.1566	5.7077

288	66.5	64.7	6.396	2.1728	0.017	8.5857	5.0191	0.8628	-0.1528	5.7291
289	63.5	65.2	6.3906	2.1724	0.0174	8.5804	5.0188	0.8731	-0.1495	5.7424
290	65.6	65.4	6.3844	2.1716	0.0176	8.5736	5.0193	0.8757	-0.1495	5.7455
291	65.8	65.4	6.3798	2.1709	0.0174	8.5681	5.0271	0.8693	-0.1469	5.7495
292	65.2	65.7	6.3747	2.1699	0.0174	8.5621	5.0567	0.8706	-0.1475	5.7798
293	65.3	66.1	6.3699	2.1688	0.0176	8.5562	5.0574	0.8756	-0.1461	5.7869
294	64.5	66.4	6.3666	2.1678	0.0177	8.5521	5.0692	0.8767	-0.1481	5.7979
295	66.7	66.5	6.3626	2.1668	0.018	8.5474	5.1045	0.8698	-0.1511	5.8231
296	63.4	66.7	6.3577	2.1661	0.0185	8.5423	5.1116	0.86	-0.1556	5.816
297	69.5	66.9	6.3541	2.1648	0.0188	8.5377	5.1345	0.8541	-0.1564	5.8322
298	72.8	67	6.3502	2.1643	0.0187	8.5332	5.1617	0.8587	-0.156	5.8644
299	66.1	67.1	6.3447	2.1637	0.0188	8.5272	5.1582	0.8558	-0.1559	5.8581
300	64.6	67.3	6.3384	2.1634	0.0192	8.521	5.1804	0.8534	-0.1502	5.8836
301	67.2	67.7	6.332	2.1627	0.0196	8.5143	5.2112	0.8491	-0.1494	5.9109
302	67.9	67.9	6.3255	2.1621	0.0196	8.5072	5.2298	0.8514	-0.1519	5.9294
303	69	68.1	6.3198	2.1616	0.0195	8.5009	5.2633	0.8525	-0.1562	5.9595
304	68.8	68.3	6.3148	2.1607	0.0197	8.4952	5.2868	0.8451	-0.1599	5.972
305	68.9	68.6	6.3098	2.1599	0.02	8.4897	5.3017	0.8366	-0.1587	5.9796
306	69.4	69.2	6.3053	2.1588	0.0199	8.484	5.3094	0.8359	-0.159	5.9863
307	68.2	69.5	6.2989	2.1571	0.02	8.476	5.3247	0.8355	-0.1594	6.0008
308	66.5	69.7	6.2946	2.1567	0.02	8.4714	5.3417	0.8372	-0.1586	6.0202
309	68.5	70.2	6.289	2.1559	0.0203	8.4652	5.3715	0.8301	-0.1578	6.0438
310	72.9	70.8	6.2834	2.1546	0.02	8.458	5.3999	0.8268	-0.1571	6.0695
311	68.9	71.2	6.2769	2.1535	0.02	8.4504	5.4191	0.8287	-0.16	6.0878
312	69.5	71.5	6.2714	2.1519	0.0201	8.4434	5.4242	0.8288	-0.166	6.087
313	69.8	71.9	6.2663	2.1512	0.0202	8.4377	5.4538	0.8339	-0.1658	6.1219
314	72.3	72.3	6.2601	2.1502	0.0202	8.4305	5.4759	0.8382	-0.1635	6.1506
315	74.5	72.9	6.2536	2.1487	0.0202	8.4226	5.505	0.8479	-0.1583	6.1946
316	74.6	73.3	6.2475	2.1477	0.0204	8.4156	5.5285	0.846	-0.1627	6.2118
317	77.1	73.8	6.241	2.1464	0.0209	8.4082	5.578	0.8464	-0.1657	6.2587
318	75.4	74.3	6.2345	2.1457	0.022	8.4022	5.6059	0.8507	-0.1702	6.2864
319	75.8	74.8	6.2314	2.1438	0.0226	8.3978	5.6448	0.8493	-0.1769	6.3173
320	73.7	75	6.2266	2.1431	0.0229	8.3926	5.6568	0.8507	-0.1867	6.3207
321	74.5	75.4	6.2209	2.1429	0.0232	8.387	5.6597	0.8517	-0.1924	6.319
322	76.2	75.7	6.2167	2.1428	0.0231	8.3826	5.6809	0.8539	-0.2044	6.3305
323	77.2	76.4	6.211	2.1417	0.0233	8.3759	5.7011	0.8565	-0.2141	6.3435
324	79.4	76.8	6.2052	2.1404	0.0236	8.3692	5.7253	0.8614	-0.2172	6.3694

325	78.5	77.2	6.1989	2.1395	0.0239	8.3623	5.7505	0.8533	-0.2165	6.3873
326	77.3	77.4	6.1916	2.1389	0.0241	8.3546	5.8186	0.8491	-0.2185	6.4491
327	75.8	77.4	6.1854	2.1378	0.0249	8.3481	5.8456	0.8483	-0.2232	6.4708
328	77.3	77.7	6.1783	2.1371	0.0253	8.3407	5.8949	0.8433	-0.2242	6.514
329	76.8	78.2	6.1723	2.1366	0.0258	8.3348	5.9267	0.846	-0.2238	6.5489
330	76.9	78.7	6.1663	2.1354	0.0264	8.3281	5.9521	0.8438	-0.2285	6.5674
331	75.6	79.1	6.1604	2.1348	0.0273	8.3225	5.9907	0.8469	-0.2287	6.6089
332	82.9	79.4	6.154	2.1335	0.0276	8.3151	6.0176	0.8473	-0.2299	6.635
333	80.1	79.9	6.1467	2.1332	0.0276	8.3075	6.0476	0.8541	-0.2279	6.6739
334	81.7	80.2	6.1404	2.1323	0.0278	8.3005	6.0969	0.8563	-0.2252	6.7281
335	78.9	80.6	6.1345	2.1318	0.0283	8.2946	6.129	0.8642	-0.2269	6.7663
336	77.3	80.9	6.1273	2.1308	0.0289	8.287	6.1299	0.8629	-0.2272	6.7656
337	80.2	81.3	6.1219	2.1296	0.0287	8.2802	6.1598	0.8675	-0.2279	6.7995
338	84.8	81.4	6.1163	2.1284	0.0285	8.2732	6.193	0.8663	-0.2269	6.8324
339	84.1	81.8	6.1102	2.1273	0.0285	8.2661	6.1963	0.8802	-0.2236	6.8529
340	82	82.2	6.1042	2.127	0.0283	8.2595	6.2159	0.8879	-0.2196	6.8842
341	82.4	82.7	6.0973	2.1261	0.0282	8.2515	6.2358	0.8838	-0.2198	6.8998
342	85.9	82.9	6.0932	2.1248	0.0281	8.2461	6.2485	0.8854	-0.2253	6.9086
343	85.6	83.1	6.0883	2.1237	0.0285	8.2405	6.2587	0.8888	-0.2274	6.9201
344	86.1	83.4	6.082	2.1231	0.029	8.2341	6.2787	0.8892	-0.2298	6.9381
345	83.2	83.8	6.0775	2.1226	0.0294	8.2295	6.3199	0.8933	-0.2309	6.9823
346	82.2	84.2	6.0704	2.1223	0.0294	8.2221	6.3863	0.8916	-0.2284	7.0495
347	80.7	84.3	6.0639	2.1214	0.0294	8.2147	6.4193	0.89	-0.2243	7.0849
348	83.8	84.3	6.0592	2.1206	0.0294	8.2092	6.4837	0.8849	-0.2233	7.1452
349	85	84.4	6.0518	2.12	0.0294	8.2012	6.523	0.8901	-0.2275	7.1856
350	84.1	84.7	6.0446	2.1191	0.0297	8.1933	6.5547	0.8877	-0.2276	7.2149
351	87.5	85.1	6.0385	2.118	0.0301	8.1867	6.5676	0.8951	-0.2229	7.2398
352	84.2	85.3	6.0317	2.1171	0.0306	8.1794	6.5647	0.9033	-0.2179	7.2501
353	86.6	85.5	6.0244	2.1164	0.0309	8.1717	6.5954	0.904	-0.221	7.2785
354	85.9	85.5	6.0193	2.116	0.0309	8.1662	6.6364	0.9171	-0.2296	7.3238
355	85.2	85.9	6.0136	2.1154	0.031	8.16	6.6478	0.9301	-0.2366	7.3413
356	82.7	86.2	6.0071	2.1144	0.031	8.1524	6.6727	0.9263	-0.2369	7.3621
357	84.3	86.7	6.0016	2.1131	0.0308	8.1454	6.7207	0.9241	-0.2378	7.407
358	85.3	87.2	5.9939	2.1125	0.0307	8.1371	6.7443	0.9161	-0.24	7.4204
359	88.5	87.6	5.9879	2.112	0.0308	8.1307	6.7743	0.9192	-0.2461	7.4474
360	90	88	5.9812	2.1112	0.0312	8.1236	6.803	0.9273	-0.246	7.4844
361	89	88.4	5.9755	2.1107	0.0319	8.1181	6.8534	0.9228	-0.2498	7.5263

362	89.7	88.8	5.9692	2.1096	0.0319	8.1107	6.8584	0.9207	-0.2507	7.5285
363	86.2	89.1	5.9622	2.1086	0.0318	8.1026	6.8907	0.9104	-0.252	7.5491
364	90.5	89.5	5.955	2.1076	0.0316	8.0942	6.9199	0.9109	-0.254	7.5768
365	88.5	90.1	5.9482	2.1068	0.0319	8.0869	6.9449	0.9132	-0.2571	7.601
366	91.2	90.7	5.9408	2.1056	0.0322	8.0787	6.9637	0.9088	-0.2571	7.6154
367	92.6	91.4	5.9334	2.1044	0.0325	8.0704	6.9854	0.9116	-0.2586	7.6384
368	91.9	92	5.926	2.1037	0.0332	8.0629	6.9979	0.9112	-0.2565	7.6526
369	92.5	92.3	5.9189	2.1029	0.034	8.0558	7.015	0.919	-0.2494	7.6846
370	94	92.7	5.912	2.1022	0.0344	8.0486	7.0696	0.9226	-0.25	7.7421
371	91.8	93.1	5.9041	2.101	0.0356	8.0406	7.1019	0.9222	-0.2487	7.7754
372	93.8	93.6	5.8982	2.1002	0.0363	8.0348	7.1438	0.9291	-0.2462	7.8267
373	93	94.3	5.8906	2.0987	0.0366	8.026	7.1728	0.9385	-0.2467	7.8646
374	96	94.8	5.8841	2.0984	0.0367	8.0192	7.1989	0.9384	-0.2484	7.8889
375	95.1	95.5	5.8735	2.0976	0.0368	8.0079	7.2239	0.936	-0.2483	7.9116
376	98	95.9	5.8662	2.0965	0.0372	7.9998	7.2419	0.9363	-0.2464	7.9317
377	95.7	96.4	5.8573	2.096	0.0375	7.9908	7.2567	0.9388	-0.2485	7.947
378	94.8	96.6	5.8488	2.095	0.0378	7.9815	7.2869	0.9352	-0.2462	7.9759
379	97.4	97	5.8417	2.0935	0.0385	7.9738	7.2996	0.9385	-0.2434	7.9948
380	97.2	97.5	5.8335	2.0924	0.0387	7.9646	7.3266	0.9421	-0.2409	8.0278
381	97.4	98	5.8258	2.0914	0.0389	7.9561	7.3633	0.9499	-0.2472	8.066
382	99.7	98.6	5.8183	2.0904	0.0389	7.9475	7.3893	0.9607	-0.2428	8.1071
383	101	99.3	5.8096	2.0895	0.0388	7.9379	7.4147	0.9555	-0.2419	8.1283
384	102	99.7	5.803	2.0883	0.0393	7.9306	7.3998	0.972	-0.2459	8.1259
385	98.7	100	5.7984	2.0877	0.0395	7.9256	7.396	0.9819	-0.2465	8.1314
386	102	100	5.7906	2.0871	0.0394	7.9171	7.3853	0.9854	-0.2505	8.1202
387	95.4	101	5.7834	2.0859	0.0394	7.9086	7.3477	0.9903	-0.2438	8.0941
388	101	101	5.7764	2.0848	0.0393	7.9004	7.3831	0.9826	-0.2445	8.1212
389	103	101	5.769	2.0836	0.0394	7.892	7.4219	0.9809	-0.2477	8.1552
390	101	101	5.7608	2.0832	0.0395	7.8836	7.455	0.9874	-0.2601	8.1822
391	106	102	5.755	2.0823	0.0399	7.8772	7.4849	0.9918	-0.2684	8.2084
392	105	102	5.7489	2.0811	0.0401	7.8701	7.5244	0.9894	-0.272	8.2418
393	104	102	5.742	2.0799	0.0406	7.8624	7.5627	0.9846	-0.2747	8.2725
394	103	102	5.7346	2.0785	0.0408	7.8538	7.6025	0.98	-0.2713	8.3112
395	104	102	5.724	2.0776	0.0409	7.8425	7.6203	0.9781	-0.2689	8.3295
396	100	103	5.7157	2.0771	0.0409	7.8338	7.6639	0.9865	-0.2702	8.3802
397	104	103	5.7058	2.0763	0.0411	7.8232	7.6758	0.9959	-0.2715	8.4002
398	98.3	104	5.6978	2.0753	0.0415	7.8146	7.7125	1.009	-0.2707	8.4508

399	102	104	5.6892	2.0749	0.0416	7.8057	7.7449	1.003	-0.2705	8.4774
400	106	104	5.6816	2.0739	0.0415	7.797	7.7529	1.0071	-0.2703	8.4897
401	103	104	5.6756	2.0723	0.0414	7.7893	7.7604	1.0228	-0.2703	8.5129
402	99.4	104	5.6659	2.0717	0.0417	7.7793	7.7104	1.0962	-0.2729	8.5337
403	103	105	5.6562	2.0699	0.0424	7.7685	7.7702	1.0733	-0.2752	8.5683
404	104	105	5.65	2.0677	0.0433	7.7611	7.8716	1.0172	-0.2792	8.6096
405	104	105	5.6426	2.0673	0.0437	7.7535	7.9103	1.0246	-0.2818	8.6531
406	108	106	5.6332	2.0664	0.0437	7.7433	7.9486	1.0399	-0.2774	8.7111
407	108	106	5.6244	2.0655	0.044	7.734	7.9427	1.0426	-0.2765	8.7088
408	105	107	5.6172	2.0648	0.0446	7.7266	7.9384	1.1128	-0.2764	8.7748
409	114	108	5.6087	2.0632	0.0449	7.7168	7.8558	1.1987	-0.2786	8.7759
410	106	108	5.5981	2.0623	0.045	7.7054	7.8262	1.24	-0.2802	8.786
411	103	108	5.591	2.0615	0.0451	7.6976	7.8445	1.2488	-0.2777	8.8157
412	110	109	5.5823	2.0609	0.0453	7.6885	7.79	1.3389	-0.2714	8.8575
413	109	109	5.5743	2.0601	0.0456	7.68	7.7602	1.3901	-0.2707	8.8795
414	110	110	5.5656	2.0589	0.0459	7.6704	7.6912	1.4739	-0.2704	8.8947
415	114	111	5.5573	2.0578	0.046	7.6611	7.686	1.5539	-0.2732	8.9666
416	114	111	5.549	2.0566	0.0463	7.6518	7.8282	1.4159	-0.2752	8.969
417	111	111	5.5412	2.0552	0.0466	7.643	7.672	1.587	-0.2734	8.9856
418	110	112	5.533	2.0538	0.047	7.6337	7.5483	1.7096	-0.2717	8.9862
419	115	112	5.5245	2.0515	0.0476	7.6236	7.5146	1.7391	-0.2682	8.9855
420	109	113	5.5164	2.0509	0.0478	7.6151	7.6686	1.6233	-0.2596	9.0323
421	111	114	5.5065	2.05	0.0478	7.6044	7.6836	1.6451	-0.2556	9.0731
422	111	114	5.4994	2.0489	0.0478	7.5961	7.8358	1.477	-0.2461	9.0668
423	117	115	5.4911	2.0478	0.0481	7.587	7.8006	1.5338	-0.2463	9.0881
424	116	116	5.4829	2.0468	0.0484	7.578	7.7579	1.5941	-0.2491	9.1029
425	115	116	5.4747	2.0459	0.0485	7.5691	7.7446	1.6322	-0.2497	9.1271
426	118	116	5.4659	2.045	0.049	7.5599	7.7298	1.6232	-0.2491	9.1039
427	117	117	5.4567	2.0443	0.0495	7.5505	7.8429	1.5413	-0.2434	9.1408
428	120	117	5.4483	2.0433	0.0496	7.5412	7.7928	1.6098	-0.2464	9.1563
429	117	118	5.4396	2.0424	0.0499	7.532	7.7127	1.6994	-0.2496	9.1626
430	114	119	5.43	2.0404	0.0511	7.5215	7.8319	1.6122	-0.2431	9.201
431	121	119	5.4215	2.0387	0.0516	7.5118	7.5721	1.9376	-0.2432	9.2665
432	126	120	5.4126	2.0379	0.0518	7.5023	7.4698	1.9461	-0.2391	9.1768
433	119	120	5.4067	2.036	0.0522	7.4949	7.6901	1.7994	-0.2409	9.2486
434	123	120	5.4008	2.0341	0.0524	7.4873	7.6168	1.8581	-0.2537	9.2212
435	122	120	5.396	2.0332	0.0534	7.4826	7.362	2.1485	-0.2753	9.2353

436	119	120	5.3925	2.0318	0.0532	7.4776	7.4506	2.1485	-0.2834	9.3158
437	121	121	5.3836	2.0314	0.0531	7.4681	7.647	1.9736	-0.2893	9.3313
438	123	121	5.3741	2.0303	0.0533	7.4577	7.5482	2.051	-0.2927	9.3066
439	125	121	5.3647	2.0286	0.0545	7.4479	7.3354	2.2798	-0.2917	9.3236
440	123	121	5.3557	2.0278	0.0552	7.4387	7.4238	2.2122	-0.2908	9.3452
441	117	121	5.3448	2.0271	0.0554	7.4273	7.2735	2.3586	-0.2904	9.3416
442	122	122	5.337	2.0263	0.0556	7.4188	7.0487	2.6586	-0.2879	9.4193
443	122	122	5.3281	2.0257	0.0556	7.4094	7.1346	2.557	-0.2835	9.408
444	115	122	5.32	2.0253	0.0559	7.4012	6.7997	2.9245	-0.2799	9.4443
445	118	122	5.3111	2.024	0.0564	7.3915	6.5764	3.1301	-0.2804	9.4261
446	121	122	5.3028	2.0227	0.0566	7.3821	6.592	3.0951	-0.2769	9.4102
447	126	123	5.2927	2.0205	0.0565	7.3697	6.4089	3.2827	-0.2725	9.419
448	123	124	5.2847	2.0203	0.0564	7.3615	6.2381	3.4171	-0.2732	9.3821
449	121	124	5.2765	2.0193	0.0564	7.3523	6.2999	3.3599	-0.2737	9.386
450	120	124	5.2685	2.0168	0.0567	7.342	6.4387	3.2406	-0.2738	9.4055
451	128	125	5.2675	2.0084	0.0574	7.3333	6.3315	3.3675	-0.2742	9.4248
452	127	126	5.2546	2.0098	0.0581	7.3226	6.198	3.4754	-0.2776	9.3958
453	125	127	5.2372	2.0147	0.0588	7.3107	6.126	3.5604	-0.2759	9.4104
454	124	128	5.2283	2.0135	0.0591	7.3009	6.057	3.6231	-0.2698	9.4102
455	126	129	5.2188	2.0114	0.0587	7.2889	6.0026	3.6804	-0.2605	9.4224
456	135	129	5.2128	2.0101	0.0586	7.2815	6.0547	3.6619	-0.2582	9.4585
457	136	129	5.2078	2.0018	0.0584	7.268	6.0634	3.6033	-0.2621	9.4046
458	132	130	5.2083	1.9927	0.0586	7.2595	5.9755	3.6953	-0.2642	9.4066
459	126	130	5.2053	1.988	0.0588	7.2521	5.8833	3.8106	-0.2602	9.4337
460	136	131	5.1968	1.9863	0.0589	7.2421	5.9126	3.7607	-0.2582	9.4152
461	136	131	5.1965	1.9768	0.059	7.2323	5.8241	3.8419	-0.2572	9.4089
462	133	131	5.1931	1.9706	0.059	7.2227	5.7455	3.917	-0.2561	9.4063
463	134	132	5.1931	1.9612	0.0588	7.2131	5.783	3.9041	-0.253	9.4341
464	135	133	5.1864	1.9522	0.0589	7.1975	5.6897	4.0061	-0.2525	9.4433
465	131	133	5.1654	1.9653	0.0594	7.19	5.7009	3.9934	-0.2478	9.4465
466	131	133	5.1736	1.9469	0.0596	7.1801	5.522	4.1952	-0.2469	9.4704
467	128	132	5.1786	1.9335	0.0597	7.1718	5.4194	4.3085	-0.2473	9.4807
468	129	132	5.1745	1.9298	0.06	7.1643	5.4064	4.3242	-0.2505	9.4801
469	130	132	5.152	1.9406	0.0599	7.1526	5.4562	4.277	-0.2468	9.4864
470	135	132	5.1436	1.9376	0.06	7.1413	5.717	4.0167	-0.2409	9.4928
471	135	132	5.1205	1.9533	0.0602	7.134	6.585	3.1107	-0.239	9.4567
472	137	132	5.1182	1.9468	0.0609	7.126	6.5563	3.1171	-0.2481	9.4253

473	136	132	5.1148	1.9393	0.0615	7.1157	6.2324	3.5027	-0.2626	9.4725
474	134	131	5.1097	1.9352	0.0617	7.1065	6.2243	3.5486	-0.2653	9.5076
475	128	131	5.1005	1.9353	0.0617	7.0975	6.0478	3.6972	-0.2647	9.4804
476	130	131	5.0819	1.9423	0.0616	7.0858	5.9693	3.8159	-0.2625	9.5227
477	128	132	5.0781	1.935	0.0622	7.0752	5.9082	3.8695	-0.2562	9.5216
478	128	132	5.0775	1.925	0.0628	7.0653	5.8301	3.9055	-0.2486	9.487
479	127	132	5.0585	1.9323	0.0628	7.0537	5.8155	3.9312	-0.2472	9.4996
480	136	132	5.0763	1.8987	0.0631	7.038	5.6646	4.1099	-0.2418	9.5328
481	131	131	5.0788	1.8968	0.0628	7.0384	5.4272	4.2999	-0.2289	9.4982
482	132	131	5.0493	1.9104	0.063	7.0227	5.282	4.4087	-0.2223	9.4683
483	131	130	5.048	1.9037	0.0642	7.0158	5.165	4.5711	-0.2201	9.516
484	130	130	5.0668	1.8734	0.0668	7.007	5.0211	4.686	-0.2174	9.4897
485	131	130	5.0533	1.8729	0.0678	6.9941	5.3222	4.4225	-0.2157	9.5291
486	131	130	5.0259	1.8898	0.0683	6.984	5.0875	4.7915	-0.208	9.671
487	132	131	5.0285	1.8808	0.0687	6.978	4.6849	5.1257	-0.2106	9.6
488	135	131	5.0428	1.8568	0.0685	6.9681	4.411	5.4768	-0.2154	9.6724
489	130	131	5.0266	1.8624	0.0685	6.9575	4.2017	5.6278	-0.2107	9.6188
490	126	131	5.0335	1.8474	0.0686	6.9494	4.0222	5.796	-0.1961	9.622
491	128	131	5.0501	1.8165	0.0687	6.9353	3.8162	5.9778	-0.1866	9.6074
492	128	131	5.0354	1.8254	0.0685	6.9293	3.6057	6.1682	-0.1821	9.5919
493	127	131	5.062	1.7874	0.0686	6.918	3.628	6.1607	-0.1781	9.6107
494	132	131	5.077	1.7655	0.0688	6.9112	3.5202	6.2523	-0.1838	9.5887
495	136	131	5.0648	1.7681	0.0686	6.9014	3.3972	6.3632	-0.1926	9.5677
496	132	131	5.0749	1.7489	0.0682	6.8919	3.0567	6.736	-0.1987	9.594
497	130	131	5.0819	1.7346	0.0684	6.885	2.9298	6.8443	-0.1991	9.5749
498	130	131	5.0679	1.7393	0.0688	6.876	2.8603	6.8798	-0.2012	9.539
499	132	131	5.0453	1.7509	0.069	6.8651	2.8626	6.8769	-0.2029	9.5366
500	134	131	5.0484	1.7372	0.0689	6.8546	2.7648	6.9708	-0.1997	9.5359
501	130	131	5.0558	1.7248	0.0692	6.8497	2.6	7.1385	-0.1973	9.5412
502	133	131	5.0533	1.7156	0.0693	6.8383	2.6605	7.0776	-0.1914	9.5467
503	133	131	5.0505	1.7076	0.0694	6.8275	2.3982	7.3176	-0.1841	9.5317
504	131	131	5.0498	1.6997	0.0694	6.8189	2.1363	7.5374	-0.1754	9.4983
505	133	131	5.0371	1.7011	0.0695	6.8077	1.9495	7.7094	-0.1724	9.4866
506	132	131	5.0269	1.7061	0.0699	6.8029	1.9715	7.649	-0.1753	9.4453
507	132	131	5.0269	1.696	0.0704	6.7933	1.8503	7.7815	-0.1752	9.4565
508	130	131	5.0289	1.6837	0.0706	6.7832	1.8421	7.7547	-0.1761	9.4208
509	135	130	5.0174	1.6871	0.0707	6.7752	1.9805	7.6311	-0.1744	9.4372

510	128	130	5.0157	1.6781	0.0707	6.7645	1.9947	7.615	-0.1789	9.4308
511	127	130	5.0165	1.6698	0.0707	6.7569	2.1332	7.489	-0.1825	9.4398
512	129	130	5.004	1.6705	0.0706	6.7451	2.596	7.0071	-0.1799	9.4232
513	128	130	5.0053	1.6595	0.0709	6.7357	2.6166	6.9384	-0.18	9.375
514	131	129	4.9955	1.6596	0.0707	6.7258	2.749	6.8138	-0.1799	9.3829
515	130	129	5.0051	1.6383	0.0706	6.714	2.76	6.7235	-0.1797	9.3039
516	129	129	5.007	1.6257	0.071	6.7037	2.6595	6.8036	-0.1747	9.2885
517	126	129	5.0005	1.6228	0.0716	6.695	2.6965	6.7659	-0.1766	9.2858
518	126	129	4.9873	1.6261	0.0716	6.6851	2.673	6.7936	-0.1781	9.2886
519	129	129	4.9528	1.6499	0.0717	6.6743	2.6501	6.8156	-0.1767	9.2889
520	129	129	4.8579	1.7398	0.0717	6.6694	2.5223	6.9157	-0.1797	9.2584
521	129	129	4.8509	1.7383	0.0726	6.6618	2.4322	6.9505	-0.18	9.2027
522	129	129	4.8762	1.6987	0.0741	6.6489	2.4255	6.968	-0.1899	9.2036
523	128	129	4.8687	1.693	0.0747	6.6363	2.2825	7.1708	-0.1996	9.2537
524	129	129	4.8781	1.6771	0.0749	6.63	2.6972	6.821	-0.1952	9.3229
525	128	129	4.8778	1.6643	0.0748	6.6169	2.7341	6.6789	-0.1986	9.2144
526	136	129	4.8751	1.6581	0.0746	6.6077	2.7703	6.6128	-0.2033	9.1798
527	126	129	4.8737	1.6537	0.0744	6.6018	2.8035	6.5533	-0.2085	9.1483
528	129	129	4.8668	1.6502	0.0743	6.5912	2.9198	6.4406	-0.2039	9.1565
529	130	129	4.8732	1.6314	0.0741	6.5787	2.9856	6.3567	-0.1968	9.1455
530	127	130	4.8873	1.6105	0.074	6.5717	2.9831	6.3163	-0.2021	9.0973
531	124	130	4.8933	1.5979	0.0738	6.565	3.387	5.8394	-0.2031	9.0233
532	129	130	4.8961	1.5808	0.0738	6.5507	3.5032	5.8374	-0.2049	9.1357
533	133	130	4.9046	1.5674	0.0739	6.546	3.31	5.9478	-0.2042	9.0535
534	134	130	4.8685	1.5919	0.074	6.5344	3.3637	5.8858	-0.1924	9.057
535	125	130	4.8872	1.5541	0.0742	6.5155	3.7136	5.5659	-0.1676	9.1119
536	133	129	4.924	1.5192	0.0743	6.5176	3.6962	5.5667	-0.1594	9.1034
537	129	129	4.9425	1.4837	0.0747	6.5008	3.5541	5.61	-0.1497	9.0145
538	133	129	4.9539	1.4675	0.0744	6.4958	3.6676	5.4995	-0.1439	9.0232
539	132	129	4.9625	1.449	0.0741	6.4857	3.9723	5.2277	-0.1474	9.0525
540	133	129	4.9741	1.4301	0.0738	6.478	4.0233	5.1326	-0.1502	9.0056
541	130	129	4.9842	1.4103	0.0736	6.4681	4.309	4.8376	-0.1532	8.9935
542	131	129	4.9742	1.4102	0.0734	6.4578	4.819	4.2841	-0.1557	8.9474
543	129	128	4.9761	1.4005	0.074	6.4506	4.845	4.2655	-0.1609	8.9497
544	126	128	4.9803	1.389	0.0752	6.4444	5.1139	4.0604	-0.1946	8.9797
545	123	128	5.0054	1.3504	0.0763	6.4321	5.3831	3.8155	-0.198	9.0006
546	122	128	5.0098	1.3382	0.0765	6.4246	5.9596	3.2542	-0.2006	9.0131

547	125	127	5.0066	1.3325	0.0766	6.4158	7.9329	1.2668	-0.2039	8.9959
548	130	127	4.9985	1.3327	0.0767	6.4078	8.1669	1.0189	-0.1963	8.9895
549	122	127	5	1.3222	0.0764	6.3987	8.1613	1.0305	-0.1926	8.9991
550	124	127	5.0085	1.303	0.0764	6.3879	7.9378	1.2404	-0.1944	8.9838
551	127	127	5.0014	1.3007	0.0765	6.3786	7.9629	1.1938	-0.1965	8.9602
552	127	127	5.0148	1.278	0.0766	6.3694	8.1226	1.0628	-0.1971	8.9883
553	126	126	5.0236	1.261	0.0763	6.3609	8.1271	1.0213	-0.1969	8.9515
554	124	126	5.0333	1.2426	0.0763	6.3522	8.2088	0.9269	-0.1941	8.9416
555	129	126	5.0216	1.2465	0.0763	6.3444	8.2202	0.9138	-0.1941	8.94
556	123	126	5.0278	1.232	0.0761	6.3359	8.1779	0.9308	-0.1963	8.9124
557	125	126	5.0235	1.2263	0.076	6.3259	8.1425	0.9996	-0.1928	8.9493
558	131	125	5.0103	1.2295	0.076	6.3158	8.2636	0.886	-0.1933	8.9563
559	130	125	5.0058	1.2265	0.0767	6.3091	8.3382	0.7965	-0.1959	8.9388
560	135	126	4.9835	1.2374	0.0772	6.2981	8.2486	0.8946	-0.1965	8.9466
561	129	126	4.9369	1.2761	0.077	6.29	8.2216	0.9026	-0.1955	8.9287
562	123	126	4.9315	1.2767	0.077	6.2852	8.3077	0.829	-0.1956	8.9411
563	121	126	4.9182	1.2798	0.0768	6.2748	8.3727	0.7498	-0.1992	8.9234
564	122	126	4.9104	1.2798	0.0769	6.2671	8.4457	0.6538	-0.1947	8.9047
565	124	126	4.8994	1.2849	0.0768	6.2611	8.1852	1.0822	-0.1943	9.0731
566	119	126	4.904	1.2703	0.0772	6.2515	8.0742	0.9787	-0.2005	8.8523
567	119	126	4.9113	1.2541	0.0775	6.2429	7.9097	1.1296	-0.1991	8.8402
568	126	126	4.9095	1.2483	0.0777	6.2354	7.8364	1.224	-0.194	8.8664
569	131	126	4.8998	1.249	0.0779	6.2267	7.6254	1.4087	-0.2004	8.8338
570	125	125	4.9004	1.2426	0.078	6.221	7.3643	1.6545	-0.2053	8.8135
571	125	125	4.878	1.2565	0.0792	6.2136	6.3432	2.7126	-0.2037	8.852
572	128	125	4.8899	1.2297	0.0809	6.2006	6.2229	2.8773	-0.1903	8.9099
573	128	126	4.8451	1.2572	0.081	6.1834	6.4203	2.605	-0.1738	8.8515
574	124	126	4.8363	1.2673	0.0815	6.1851	6.9406	2.0166	-0.1668	8.7904
575	128	126	4.8235	1.274	0.082	6.1795	7.0555	1.9377	-0.1666	8.8267
576	129	126	4.8015	1.287	0.0824	6.1709	7.1129	1.8711	-0.1698	8.8142
577	129	126	4.7861	1.2909	0.0825	6.1596	6.8033	2.149	-0.1752	8.7771
578	125	126	4.779	1.2893	0.0824	6.1507	6.4917	2.541	-0.1771	8.8556
579	126	126	4.7602	1.3007	0.083	6.1439	6.3221	2.7081	-0.1807	8.8495
580	126	126	4.7376	1.3147	0.0834	6.1357	6.3236	2.6267	-0.1915	8.7588
581	128	127	4.7285	1.313	0.0833	6.1248	6.4065	2.5853	-0.1925	8.7992
582	125	127	4.7183	1.3157	0.0834	6.1173	6.3121	2.7025	-0.1886	8.826
583	127	127	4.7116	1.3151	0.0834	6.1101	6.4973	2.4653	-0.1854	8.7772

584	122	127	4.6954	1.3168	0.0836	6.0958	6.7008	2.2871	-0.1822	8.8057
585	127	127	4.6837	1.3162	0.0838	6.0837	6.3267	2.654	-0.1832	8.7975
586	123	127	4.6705	1.3288	0.0833	6.0826	6.4892	2.4026	-0.1864	8.7054
587	126	127	4.6618	1.3308	0.083	6.0757	7.0351	1.954	-0.1888	8.8002
588	129	128	4.6456	1.334	0.0832	6.0628	7.4895	1.4357	-0.1942	8.7309
589	127	128	4.6243	1.3492	0.0835	6.0569	7.6489	1.3294	-0.1982	8.78
590	130	128	4.6026	1.3636	0.0839	6.0501	7.7528	1.1868	-0.1996	8.7399
591	130	129	4.5682	1.3881	0.0843	6.0405	8.0691	0.9084	-0.2008	8.7767
592	136	129	4.5509	1.3988	0.0846	6.0343	8.2836	0.6891	-0.2017	8.771
593	128	130	4.5506	1.3814	0.088	6.02	8.3905	0.578	-0.2036	8.7648
594	126	131	4.5386	1.3839	0.0886	6.0112	8.6321	0.3611	-0.1956	8.7975
595	129	131	4.4688	1.4427	0.0886	6.0001	8.9727	0.0157	-0.1858	8.8026
596	134	132	4.2816	1.6222	0.0885	5.9923	9.5016	-0.5227	-0.176	8.8029
597	134	132	4.2653	1.6327	0.0881	5.986	9.6607	-0.6737	-0.1715	8.8154
598	128	133	4.2517	1.6363	0.0881	5.9761	9.7125	-0.7255	-0.1718	8.8152
599	132	133	4.2515	1.6268	0.0884	5.9668	9.7701	-0.7362	-0.1711	8.8627
600	135	133	4.2522	1.6178	0.0886	5.9585	9.8297	-0.8281	-0.1722	8.8294
601	138	134	4.2435	1.6185	0.0889	5.9509	10.1263	-1.1356	-0.1746	8.8161
602	135	134	4.2406	1.6135	0.089	5.9431	10.3478	-1.3538	-0.1731	8.8209
603	137	134	4.2296	1.6149	0.0888	5.9333	10.5605	-1.5727	-0.1763	8.8114
604	134	135	4.2278	1.6083	0.0888	5.9249	10.7129	-1.7099	-0.1838	8.8192
605	137	135	4.2193	1.608	0.0891	5.9164	11.0599	-2.095	-0.1858	8.7791
606	134	136	4.2126	1.6061	0.0892	5.9079	11.1293	-2.1691	-0.1863	8.7738
607	138	136	4.2005	1.6074	0.0897	5.8977	11.1645	-2.1885	-0.1864	8.7896
608	134	137	4.1951	1.6041	0.0902	5.8894	11.2321	-2.271	-0.1892	8.7719
609	138	137	4.1925	1.5977	0.0904	5.8806	11.3337	-2.363	-0.19	8.7808
610	138	138	4.1935	1.5879	0.0902	5.8716	11.5796	-2.628	-0.1818	8.7698
611	131	138	4.1857	1.5869	0.0903	5.8628	11.1426	-2.2068	-0.1741	8.7618
612	136	138	4.1667	1.5955	0.0905	5.8527	10.5038	-1.5237	-0.1719	8.8082
613	138	138	4.1607	1.5941	0.0904	5.8452	10.7053	-1.6355	-0.1732	8.8966
614	143	139	4.177	1.5513	0.0901	5.8184	11.4641	-2.2318	-0.1762	9.056
615	144	138	4.1977	1.5405	0.0907	5.8288	12.11	-3.0968	-0.1766	8.8365
616	142	139	4.2161	1.5127	0.0909	5.8197	12.0444	-2.9787	-0.1751	8.8906
617	141	139	4.2169	1.5004	0.091	5.8083	12.0156	-2.9471	-0.1695	8.8989
618	140	139	4.2248	1.4853	0.0917	5.8017	12.0691	-3.0328	-0.1683	8.868
619	137	139	4.2164	1.4844	0.0922	5.793	12.0938	-3.0618	-0.188	8.844
620	141	140	4.2236	1.4685	0.0921	5.7842	12.2974	-3.1759	-0.1915	8.93

621	141	140	4.2286	1.4506	0.0916	5.7708	12.4694	-3.4093	-0.1927	8.8674
622	139	140	4.2342	1.4382	0.0914	5.7637	12.3018	-3.2529	-0.1833	8.8656
623	143	141	4.1746	1.4913	0.0913	5.7572	12.4244	-3.4234	-0.1643	8.8367
624	133	140	4.1725	1.4833	0.0915	5.7473	11.8999	-2.964	-0.1652	8.7707
625	142	140	4.1665	1.4772	0.0918	5.7354	11.7984	-2.766	-0.1577	8.8747
626	137	140	4.1948	1.4432	0.0921	5.73	11.7209	-2.6807	-0.1544	8.8858
627	140	140	4.2245	1.3996	0.0921	5.7162	11.5593	-2.5363	-0.1482	8.8748
628	142	141	4.2345	1.3793	0.0924	5.7063	11.384	-2.383	-0.1462	8.8548
629	141	141	4.2408	1.3688	0.0933	5.7028	11.2818	-2.2817	-0.1487	8.8513
630	145	141	4.2466	1.3519	0.0932	5.6918	11.1206	-2.1147	-0.1449	8.8609
631	139	141	4.2621	1.3276	0.0927	5.6824	10.9122	-1.9125	-0.1423	8.8574
632	141	142	4.2463	1.3343	0.0923	5.673	10.9085	-1.9348	-0.1412	8.8325
633	140	142	4.2345	1.3387	0.0922	5.6654	10.8728	-1.8728	-0.141	8.8591
634	140	143	4.2359	1.3265	0.0923	5.6547	10.8918	-1.9179	-0.1434	8.8305
635	140	143	4.2383	1.3138	0.0928	5.645	10.896	-1.9639	-0.1483	8.7838
636	142	143	4.2205	1.3238	0.0932	5.6375	10.9726	-2.0905	-0.1454	8.7368
637	149	143	4.1935	1.3401	0.0941	5.6277	10.8981	-1.9269	-0.1443	8.8269
638	145	142	4.189	1.3346	0.0942	5.6178	10.8941	-1.913	-0.1451	8.836
639	147	142	4.1873	1.3303	0.0941	5.6117	10.8944	-1.9557	-0.1438	8.7949
640	141	141	4.1672	1.3392	0.0939	5.6003	10.8224	-1.8695	-0.1493	8.8037
641	144	141	4.1559	1.3414	0.0938	5.591	10.7066	-1.7233	-0.159	8.8242
642	148	141	4.1351	1.3524	0.0938	5.5813	10.48	-1.4976	-0.1602	8.8223
643	146	141	4.1129	1.3644	0.0935	5.5708	10.4799	-1.4081	-0.1536	8.9182
644	140	141	4.083	1.3874	0.0938	5.5641	11.0758	-2.0919	-0.1187	8.8652
645	138	141	4.0552	1.4026	0.0939	5.5518	10.8962	-1.9881	-0.1139	8.7942
646	139	141	4.0438	1.4056	0.0937	5.5431	10.3287	-1.446	-0.1125	8.7703
647	133	140	4.0354	1.4051	0.0938	5.5342	8.5663	0.3058	-0.1183	8.7539
648	139	140	4.0215	1.4063	0.0938	5.5215	8.4772	0.4282	-0.1255	8.7798
649	137	140	4.0171	1.405	0.0936	5.5157	8.2687	0.6363	-0.1306	8.7744
650	138	140	3.9959	1.4165	0.0939	5.5063	8.2572	0.6565	-0.1344	8.7793
651	136	140	3.9666	1.436	0.0938	5.4965	8.3783	0.5124	-0.1316	8.7592
652	139	139	3.9588	1.4353	0.0942	5.4883	8.3344	0.5482	-0.125	8.7576
653	137	139	3.9523	1.432	0.0947	5.479	8.3237	0.5441	-0.1222	8.7457
654	140	139	3.9274	1.4521	0.0949	5.4743	8.2276	0.633	-0.1257	8.7349
655	141	139	3.9087	1.4634	0.0949	5.467	8.1482	0.7135	-0.1269	8.7347
656	138	140	3.9113	1.4508	0.0948	5.4569	8.1743	0.6917	-0.1459	8.7201
657	141	140	3.9003	1.4534	0.0949	5.4487	8.0912	0.7829	-0.144	8.7301

658	144	140	3.8769	1.4658	0.095	5.4378	7.9718	0.8642	-0.1381	8.6979
659	142	141	3.8479	1.4893	0.0949	5.4321	8.0111	0.8328	-0.1303	8.7137
660	138	141	3.8692	1.4581	0.0946	5.4219	8.028	0.7843	-0.1279	8.6843
661	140	142	3.8865	1.4285	0.0942	5.4092	8.0386	0.7361	-0.1335	8.6412
662	141	142	3.8609	1.4403	0.0943	5.3956	8.2783	0.5182	-0.1373	8.6592
663	144	142	3.7718	1.503	0.0945	5.3692	8.4763	0.383	-0.2052	8.6541
664	143	142	3.6994	1.5895	0.0946	5.3835	8.7147	0.2192	-0.2406	8.6933
665	142	143	3.695	1.5828	0.0944	5.3721	9.0398	-0.3243	-0.2456	8.47
666	145	143	3.7024	1.565	0.0942	5.3616	9.3587	-0.4897	-0.242	8.627
667	143	143	3.7044	1.5574	0.0943	5.3561	9.7883	-0.9521	-0.2369	8.5993
668	147	143	3.7001	1.5544	0.0965	5.351	9.8306	-1.0053	-0.2349	8.5904
669	145	144	3.6701	1.5666	0.097	5.3337	9.6694	-0.8924	-0.2272	8.5498
670	147	144	3.6535	1.5835	0.0973	5.3343	9.6282	-0.887	-0.223	8.5182
671	137	144	3.6478	1.5818	0.0975	5.3271	9.8071	-1.0849	-0.2273	8.495
672	145	145	3.6475	1.5721	0.0973	5.3169	10.0081	-1.3251	-0.2316	8.4513
673	145	144	3.6551	1.5536	0.0975	5.3063	10.1844	-1.491	-0.2355	8.4579
674	143	144	3.6564	1.5439	0.0973	5.2976	9.7494	-1.043	-0.2391	8.4672
675	145	145	3.6514	1.5421	0.0975	5.291	9.5023	-0.7876	-0.2384	8.4763
676	146	144	3.6456	1.5406	0.0972	5.2835	9.6325	-1.0019	-0.2336	8.3971
677	147	144	3.6477	1.5292	0.0972	5.2741	10.1138	-1.4823	-0.2271	8.4044
678	145	144	3.6508	1.5175	0.0973	5.2656	10.4029	-1.8455	-0.2268	8.3306
679	145	143	3.6482	1.5122	0.0975	5.2578	10.6028	-2.0605	-0.2218	8.3204
680	149	143	3.6464	1.506	0.0976	5.2499	10.6734	-2.0994	-0.2117	8.3623
681	146	143	3.6376	1.5065	0.0974	5.2416	10.7987	-2.3079	-0.2149	8.2759
682	140	143	3.631	1.5029	0.0975	5.2314	10.979	-2.4994	-0.223	8.2565
683	143	142	3.6224	1.5069	0.0978	5.2271	11.5742	-2.9715	-0.4436	8.1591
684	144	141	3.6058	1.5132	0.0984	5.2175	12.2371	-2.7711	-1.3625	8.1036
685	135	141	3.5864	1.5253	0.0983	5.21	11.9416	-2.0324	-1.8318	8.0774
686	140	140	3.5807	1.5215	0.0977	5.1999	11.6898	-1.8439	-1.8083	8.0376
687	142	140	3.5724	1.5221	0.0976	5.1921	11.6431	-1.8423	-1.7986	8.0021
688	140	139	3.5562	1.5296	0.0976	5.1833	11.3952	-1.6127	-1.7861	7.9964
689	138	140	3.542	1.5361	0.0984	5.1766	11.3058	-1.598	-1.7801	7.9278
690	140	139	3.5319	1.5359	0.0998	5.1677	11.3817	-1.6823	-1.7798	7.9196
691	135	139	3.5202	1.5378	0.1003	5.1583	11.1191	-1.4658	-1.7787	7.8746
692	131	139	3.5029	1.5396	0.0999	5.1425	10.8798	-1.2334	-1.7779	7.8685
693	133	138	3.4431	1.5906	0.0999	5.1335	10.6538	-1.0855	-1.7705	7.7979
694	141	138	3.449	1.5827	0.1	5.1317	10.5473	-1.0021	-1.7727	7.7725

695	132	138	3.4359	1.5873	0.0999	5.1231	10.284	-0.7352	-1.778	7.7708
696	135	138	3.4249	1.5916	0.1004	5.1169	10.0922	-0.6062	-1.7777	7.7083
697	141	138	3.4175	1.5899	0.1006	5.108	9.8349	-0.3803	-1.7743	7.6803
698	145	137	3.4249	1.5727	0.1012	5.0987	9.7817	-0.2699	-1.8817	7.6301
699	143	137	3.4258	1.5612	0.1019	5.0888	9.6614	-0.1982	-1.8972	7.566
700	139	137	3.4143	1.5666	0.1017	5.0826	9.9919	-0.5182	-1.8963	7.5774
701	137	137	3.4101	1.5637	0.1014	5.0751	9.7574	-0.3254	-1.8811	7.5508
702	136	137	3.4082	1.5591	0.1012	5.0686	9.4339	-0.0268	-1.8813	7.5258
703	135	137	3.4068	1.5516	0.1014	5.0598	9.2156	0.2093	-1.8758	7.549
704	138	136	3.4129	1.537	0.1015	5.0514	9.0818	0.2505	-1.8701	7.4622
705	136	136	3.4019	1.5388	0.1037	5.0444	8.8764	0.4693	-1.8696	7.4761
706	137	136	3.4035	1.5278	0.1036	5.0349	8.9233	0.3862	-1.8761	7.4334
707	135	135	3.4034	1.521	0.1036	5.0279	9.1239	0.1745	-1.883	7.4154
708	136	135	3.394	1.5208	0.1032	5.018	9.049	0.2593	-1.8822	7.4262
709	135	135	3.3897	1.5192	0.1031	5.0121	8.9121	0.3632	-1.8795	7.3958
710	136	135	3.3896	1.5143	0.1036	5.0075	8.6592	0.6108	-1.879	7.391
711	132	134	3.3579	1.5351	0.104	4.9969	9.0149	0.2307	-1.8832	7.3625
712	130	134	3.3191	1.5572	0.111	4.9873	9.0369	0.1434	-1.887	7.2933
713	132	134	3.2893	1.5722	0.1144	4.9759	8.8142	0.2779	-1.8964	7.1957
714	126	134	3.273	1.5838	0.1147	4.9714	7.9914	0.9222	-1.899	7.0146
715	132	134	3.2618	1.5894	0.1149	4.9661	7.4618	1.6632	-1.8896	7.2353
716	132	133	3.2372	1.608	0.1146	4.9598	7.3027	1.7421	-1.8851	7.1597
717	137	134	3.2338	1.6009	0.1145	4.9493	7.4515	1.5774	-1.9215	7.1073
718	136	134	3.2579	1.5745	0.1144	4.9467	7.6218	1.5027	-1.9474	7.1772
719	138	133	3.2535	1.5731	0.1145	4.9412	7.6044	1.4871	-1.9426	7.1489
720	135	133	3.2429	1.577	0.1148	4.9347	7.2969	1.7091	-1.936	7.07
721	133	133	3.2278	1.5831	0.1148	4.9257	7.1604	1.8898	-1.9313	7.1189
722	133	132	3.2157	1.5873	0.115	4.918	6.9609	2.0536	-1.924	7.0905
723	135	132	3.1997	1.5956	0.1152	4.9105	7.0738	1.9345	-1.9314	7.0768
724	131	133	3.2223	1.562	0.1154	4.8997	7.4028	1.5715	-1.9634	7.0109
725	129	132	3.2032	1.5774	0.1151	4.8957	7.453	1.484	-1.9597	6.9772
726	140	132	3.1834	1.5914	0.1148	4.8896	7.1452	1.7617	-1.9767	6.9302
727	136	132	3.1842	1.5842	0.1148	4.8832	7.0163	1.8483	-1.9816	6.883
728	126	131	3.1743	1.5854	0.1146	4.8742	7.1432	1.7462	-1.9899	6.8995
729	130	131	3.1735	1.5787	0.1144	4.8666	7.2872	1.556	-1.9924	6.8509
730	128	130	3.1668	1.5827	0.1147	4.8642	7.4687	1.3396	-1.9789	6.8295
731	125	129	3.1642	1.5776	0.115	4.8567	7.5194	1.3209	-1.9732	6.8672

732	130	129	3.0889	1.6314	0.1367	4.8571	7.3809	1.3643	-1.9693	6.7759
733	130	128	3.0108	1.6158	0.2284	4.8551	7.5591	1.1597	-1.9732	6.7455
734	132	128	3.0417	1.5297	0.2755	4.8469	7.5277	1.2185	-1.997	6.7492
735	130	128	3.0693	1.4982	0.2737	4.8412	7.4693	1.2107	-1.9874	6.6925
736	130	126	3.0562	1.5081	0.273	4.8373	7.5096	1.1715	-1.992	6.6891
737	123	126	3.054	1.5014	0.2727	4.8281	7.7645	0.9157	-2.0097	6.6705
738	124	126	3.0585	1.4944	0.2722	4.825	7.4583	1.1954	-2.024	6.6297
739	123	125	3.0491	1.4986	0.2721	4.8197	7.203	1.4112	-2.0168	6.5975
740	123	125	3.0553	1.4858	0.2718	4.8128	7.2027	1.3907	-1.9988	6.5946
741	122	125	3.0679	1.4647	0.2716	4.8042	7.3142	1.2217	-1.976	6.5599
742	123	125	3.0697	1.461	0.2708	4.8015	7.2921	1.198	-1.9635	6.5267
743	124	124	3.0581	1.4646	0.2708	4.7935	7.0817	1.3146	-1.9637	6.4325
744	123	124	3.0546	1.4609	0.2716	4.7871	6.6096	1.7486	-1.961	6.3971
745	119	124	3.046	1.4633	0.2717	4.781	6.582	1.837	-1.9625	6.4565
746	122	123	3.0603	1.4437	0.2711	4.775	6.5555	1.8135	-1.9571	6.4119
747	123	124	3.0572	1.4321	0.282	4.7712	6.8486	1.5104	-1.9513	6.4077
748	123	124	3.0553	1.4261	0.2835	4.7649	6.8119	1.5162	-1.9466	6.3815
749	123	124	3.0179	1.4568	0.2833	4.758	6.9784	1.3176	-1.9371	6.3589
750	127	124	3.0201	1.4491	0.282	4.7512	7.0117	1.2428	-1.9274	6.327
751	122	124	3.0232	1.4387	0.282	4.744	6.9469	1.3159	-1.9249	6.3379
752	120	124	3.0372	1.4144	0.2818	4.7334	7.1177	1.1717	-1.9442	6.3453
753	125	124	3.0441	1.4069	0.2817	4.7328	7.2556	1.1049	-2.0567	6.3038
754	127	124	3.0397	1.4052	0.2819	4.7267	7.1918	1.1256	-2.063	6.2543
755	128	124	3.0163	1.4248	0.2825	4.7237	7.1236	1.1683	-2.0397	6.2522
756	129	124	2.9989	1.4334	0.2831	4.7154	6.9873	1.2454	-2.0169	6.2158
757	126	124	2.9954	1.4275	0.2831	4.7061	7.1566	1.0043	-2.014	6.1469
758	122	124	2.9857	1.4295	0.2829	4.6982	7.0949	1.0536	-2.0134	6.1352
759	124	124	2.9819	1.4282	0.2828	4.693	6.9479	1.1484	-2.0151	6.0813
760	126	124	2.9677	1.435	0.2829	4.6857	6.8842	1.2134	-2.0143	6.0833
761	117	124	2.9828	1.4141	0.2829	4.6799	6.8895	1.1961	-1.999	6.0866
762	121	124	2.9795	1.4125	0.284	4.676	6.5827	1.4677	-2.0065	6.044
763	123	124	2.9726	1.4107	0.2844	4.6677	6.1421	1.8099	-1.9399	6.0121
764	124	123	2.9532	1.4232	0.2835	4.66	5.7606	2.0699	-1.8887	5.9418
765	122	123	2.9647	1.4085	0.2829	4.6561	5.6398	2.2249	-1.8704	5.9943
766	121	123	2.9573	1.4073	0.2864	4.6509	5.5927	2.2611	-1.88	5.9738
767	121	123	2.9422	1.4071	0.2891	4.6384	5.3747	2.4703	-1.8819	5.963
768	125	122	2.9397	1.4057	0.2907	4.6361	5.4141	2.3781	-1.8784	5.9138

769	126	122	2.9404	1.3957	0.2906	4.6267	5.8101	2.0274	-1.8804	5.9571
770	121	122	2.9374	1.3945	0.2904	4.6224	5.8601	2.0044	-1.8755	5.9889
771	124	122	2.9517	1.3764	0.2899	4.618	5.8009	2.0134	-1.8708	5.9436
772	122	123	2.9401	1.3786	0.2905	4.6092	5.7277	2.0576	-1.8711	5.9143
773	123	122	2.9149	1.3965	0.2939	4.6052	5.6727	2.1029	-1.8649	5.9107
774	122	122	2.9111	1.3955	0.2933	4.5999	5.502	2.2671	-1.8596	5.9096
775	121	122	2.9368	1.3659	0.2951	4.5979	5.7948	1.9191	-1.8619	5.8521
776	122	122	2.944	1.3558	0.2954	4.5952	5.6636	2.056	-1.8599	5.8596
777	121	122	2.9334	1.3546	0.2961	4.5841	5.5026	2.2067	-1.8583	5.851
778	121	121	2.9221	1.3619	0.2965	4.5805	5.6305	2.056	-1.8581	5.8284
779	121	121	2.9013	1.3782	0.2954	4.5749	5.5453	2.1095	-1.8564	5.7984
780	121	121	2.8944	1.3739	0.2949	4.5632	5.588	2.0195	-1.8586	5.7489
781	126	121	2.8995	1.3701	0.2943	4.564	5.5444	2.0737	-1.8529	5.7652
782	114	121	2.8751	1.387	0.2948	4.5569	5.5909	2.0101	-1.8422	5.7588
783	122	121	2.8696	1.3851	0.2975	4.5522	5.0111	2.4416	-1.6206	5.8321
784	121	120	2.8589	1.3921	0.2972	4.5482	4.3869	2.1853	-0.6965	5.8756
785	117	120	2.8355	1.4081	0.2975	4.5411	4.6808	1.3798	-0.2179	5.8427
786	121	120	2.8042	1.4299	0.2987	4.5328	4.9801	1.1133	-0.2344	5.859
787	116	120	2.8265	1.4026	0.3	4.5291	4.8988	1.1993	-0.2378	5.8603
788	120	120	2.8359	1.3885	0.2993	4.5236	4.9589	1.0875	-0.2383	5.8081
789	121	119	2.8218	1.397	0.2983	4.5171	5.1288	0.9655	-0.2413	5.853
790	121	119	2.8005	1.4138	0.2974	4.5117	5.0849	1.0407	-0.2385	5.887
791	120	119	2.791	1.418	0.2966	4.5056	5.3741	0.7099	-0.2638	5.8202
792	121	119	2.7948	1.4082	0.2963	4.4992	5.6249	0.4442	-0.2587	5.8104
793	117	118	2.7821	1.4157	0.296	4.4938	5.7688	0.331	-0.2603	5.8395
794	123	118	2.7908	1.399	0.2962	4.4861	5.7373	0.2997	-0.2669	5.7701
795	114	118	2.7804	1.4059	0.2956	4.4819	5.8771	0.1472	-0.2651	5.7593
796	118	118	2.7401	1.4406	0.2955	4.4761	5.8437	0.1645	-0.2703	5.7379
797	119	117	2.7363	1.4383	0.2953	4.4699	6.0977	-0.1009	-0.277	5.7198
798	116	117	2.727	1.4409	0.2949	4.4628	6.0912	-0.1704	-0.1623	5.7585
799	114	117	2.7246	1.4369	0.2946	4.4561	5.9575	-0.118	-0.143	5.6966
800	117	117	2.7196	1.435	0.2942	4.4488	5.8938	-0.0301	-0.1563	5.7074
801	122	117	2.6983	1.4465	0.2958	4.4406	6.1556	-0.3533	-0.162	5.6403
802	113	116	2.6827	1.4486	0.3069	4.4382	6.1863	-0.4176	-0.1629	5.6058
803	115	116	2.6877	1.4391	0.3077	4.4344	6.214	-0.4716	-0.1721	5.5704
804	113	116	2.7006	1.4201	0.3055	4.4262	6.3518	-0.5737	-0.1753	5.6029
805	115	116	2.7031	1.4143	0.3054	4.4228	6.3483	-0.5747	-0.1858	5.5877

806	113	116	2.6879	1.4274	0.305	4.4202	6.1706	-0.3923	-0.1837	5.5946
807	117	116	2.6939	1.4156	0.3049	4.4144	5.9621	-0.2352	-0.1841	5.5428
808	115	116	2.6992	1.4059	0.3048	4.4099	5.9466	-0.2632	-0.1821	5.5013
809	117	116	2.7013	1.3979	0.3046	4.4038	5.8678	-0.2259	-0.1787	5.4632
810	119	116	2.7007	1.3946	0.3035	4.3988	5.7206	-0.0672	-0.1774	5.476
811	118	116	2.6996	1.3883	0.3046	4.3925	5.5739	0.0699	-0.1778	5.466
812	119	116	2.7049	1.3762	0.305	4.3861	5.7557	-0.1484	-0.1759	5.4313
813	117	116	2.7132	1.3652	0.3033	4.3817	5.8121	-0.1991	-0.1618	5.4512
814	118	116	2.709	1.3613	0.3017	4.372	5.803	-0.2469	-0.1504	5.4056
815	113	116	2.7025	1.3633	0.3029	4.3687	5.7257	-0.1519	-0.159	5.4147
816	114	116	2.6998	1.3609	0.3028	4.3635	5.8397	-0.3106	-0.1633	5.3659
817	117	116	2.6924	1.3631	0.3023	4.3579	5.7336	-0.2449	-0.1242	5.3645
818	120	116	2.6768	1.3718	0.3024	4.351	5.5684	-0.207	-0.0988	5.2626
819	118	116	2.6675	1.3727	0.3021	4.3423	5.5016	-0.1352	-0.0835	5.283
820	111	116	2.6628	1.3757	0.3019	4.3403	5.4988	-0.1779	-0.0894	5.2315
821	111	116	2.655	1.3773	0.3019	4.3343	5.662	-0.353	-0.1003	5.2087
822	117	116	2.6485	1.377	0.3015	4.3269	5.9658	-0.6268	-0.1167	5.2222
823	117	116	2.6495	1.3689	0.3012	4.3196	5.864	-0.5354	-0.1017	5.2269
824	116	115	2.6428	1.3701	0.3016	4.3145	5.7179	-0.392	-0.0693	5.2566
825	117	115	2.6369	1.3718	0.3011	4.3098	5.7971	-0.4551	-0.1924	5.1496
826	116	115	2.6331	1.3707	0.3006	4.3045	6.0455	-0.5527	-0.2472	5.2456
827	114	115	2.6212	1.3786	0.3006	4.3003	6.0006	-0.5215	-0.2371	5.242
828	115	115	2.6197	1.3744	0.3002	4.2944	5.8479	-0.4578	-0.2228	5.1674
829	118	114	2.6147	1.3768	0.3003	4.2917	5.7055	-0.3208	-0.2173	5.1674
830	117	115	2.6123	1.3753	0.3	4.2877	5.505	-0.1305	-0.2333	5.1412
831	115	115	2.6051	1.3766	0.2992	4.2808	5.4512	-0.1338	-0.2453	5.0721
832	118	115	2.5878	1.3873	0.2988	4.2739	5.5473	-0.179	-0.2523	5.116
833	110	114	2.5721	1.3973	0.2981	4.2675	5.2908	0.0403	-0.2474	5.0837
834	109	114	2.5736	1.3917	0.2973	4.2627	5.2238	0.0921	-0.2175	5.0984
835	111	114	2.5713	1.3869	0.2971	4.2553	5.0192	0.3466	-0.2464	5.1193
836	112	114	2.5663	1.3881	0.2968	4.2513	4.7448	0.591	-0.2401	5.0958
837	114	113	2.5581	1.3926	0.2965	4.2473	4.3633	0.9064	-0.2299	5.0399
838	111	113	2.5456	1.3978	0.2963	4.2398	4.4867	0.7805	-0.2134	5.0538
839	119	112	2.5406	1.3945	0.2959	4.231	4.6499	0.6179	-0.2128	5.055
840	118	112	2.5179	1.4148	0.2982	4.2308	4.5335	0.7027	-0.2147	5.0215
841	113	112	2.5054	1.4203	0.2974	4.2232	4.1672	1.0735	-0.2152	5.0255
842	112	111	2.4928	1.4279	0.2968	4.2176	4.0089	1.1869	-0.2177	4.9782

843	109	111	2.4844	1.4346	0.2975	4.2165	4.0695	1.1028	-0.2196	4.9526
844	114	111	2.4669	1.4462	0.2981	4.2111	3.9217	1.2401	-0.2233	4.9385
845	113	111	2.4616	1.4468	0.2987	4.2072	4.2112	0.9007	-0.2159	4.896
846	108	111	2.4505	1.4537	0.2988	4.203	4.1527	0.9789	-0.2221	4.9095
847	107	110	2.4481	1.4491	0.2982	4.1954	3.7458	1.3482	-0.223	4.871
848	106	110	2.4596	1.4379	0.2978	4.1953	3.6158	1.4474	-0.2242	4.839
849	110	110	2.4285	1.4598	0.2989	4.1872	3.4796	1.5557	-0.2303	4.805
850	107	109	2.4046	1.4844	0.2982	4.1872	3.4298	1.5754	-0.2267	4.7785
851	107	109	2.4046	1.4805	0.2983	4.1834	3.3888	1.6143	-0.2339	4.7692
852	109	109	2.4158	1.4615	0.299	4.1763	3.3118	1.6479	-0.22	4.7397
853	112	109	2.4089	1.4643	0.2993	4.1725	3.1736	1.6707	-0.1152	4.7292
854	105	108	2.4049	1.4626	0.3004	4.168	3.197	1.6445	-0.1064	4.7352
855	106	108	2.3993	1.464	0.3009	4.1642	3.3365	1.4905	-0.1342	4.6928
856	110	108	2.4027	1.4569	0.3015	4.1611	3.4101	1.4508	-0.1352	4.7257
857	109	107	2.4008	1.4538	0.3014	4.1559	3.325	1.5561	-0.1367	4.7445
858	111	107	2.3989	1.4521	0.3008	4.1519	3.3517	1.4904	-0.1328	4.7092
859	104	107	2.4099	1.435	0.3005	4.1454	3.3722	1.4715	-0.1274	4.7163
860	109	107	2.4103	1.428	0.3007	4.1391	3.4546	1.3628	-0.1254	4.692
861	109	107	2.4073	1.429	0.3005	4.1367	3.5614	1.247	-0.135	4.6734
862	107	106	2.3983	1.4324	0.3001	4.1309	3.7197	1.0882	-0.1226	4.6854
863	105	106	2.3923	1.4354	0.2994	4.1272	3.8229	0.9221	-0.1202	4.6248
864	104	106	2.3807	1.4384	0.2994	4.1185	4.0304	0.8652	-0.2472	4.6484
865	104	106	2.3807	1.4396	0.2992	4.1195	4.2946	0.8879	-0.5722	4.6104
866	103	105	2.3839	1.4318	0.2988	4.1144	4.2064	1.0139	-0.6512	4.569
867	104	105	2.3853	1.4278	0.2989	4.1121	4.231	0.9692	-0.6451	4.5551
868	105	104	2.3895	1.4192	0.2991	4.1078	4.1754	1.0048	-0.6461	4.5341
869	104	104	2.3905	1.4135	0.2996	4.1036	3.977	1.1713	-0.6469	4.5014
870	104	103	2.3712	1.4298	0.3004	4.1015	3.9545	1.1473	-0.6461	4.4557
871	107	103	2.3551	1.4391	0.3016	4.0958	3.9192	1.2163	-0.6472	4.4883
872	102	103	2.3537	1.4322	0.3006	4.0865	3.8323	1.2537	-0.6479	4.4381
873	104	102	2.3431	1.4357	0.3008	4.0796	3.7505	1.3145	-0.6517	4.4132
874	102	103	2.3314	1.441	0.3125	4.0849	3.7683	1.2777	-0.6496	4.3964
875	102	102	2.3323	1.4212	0.3199	4.0734	3.768	1.2562	-0.6434	4.3807
876	100	102	2.3439	1.408	0.3191	4.071	3.7081	1.3118	-0.6449	4.375
877	96.5	102	2.3486	1.4004	0.3184	4.0674	3.8996	1.0915	-0.6477	4.3434
878	99	101	2.3515	1.394	0.3183	4.0638	4.1706	0.8191	-0.6437	4.346
879	101	101	2.3508	1.3912	0.3187	4.0608	4.419	0.575	-0.6374	4.3565

880	102	101	2.3493	1.3873	0.3195	4.056	4.1426	0.8584	-0.6451	4.3559
881	99.2	100	2.3448	1.388	0.3196	4.0524	3.9472	1.0757	-0.6578	4.3651
882	101	100	2.346	1.3829	0.3196	4.0485	3.7376	1.2511	-0.6662	4.3225
883	107	99.8	2.3473	1.3758	0.3192	4.0423	3.4418	1.5133	-0.6665	4.2887
884	102	99.4	2.357	1.3575	0.3218	4.0363	3.2376	1.6913	-0.6777	4.2512
885	96.9	99.2	2.361	1.349	0.3215	4.0315	3.211	1.718	-0.6907	4.2383
886	95.8	99.2	2.3679	1.3393	0.3217	4.0288	3.1319	1.7622	-0.6965	4.1976
887	95.9	99.3	2.3779	1.3245	0.3213	4.0237	3.0781	1.8177	-0.6995	4.1963
888	98.9	99.5	2.3709	1.3267	0.3206	4.0181	3.0258	1.8931	-0.6967	4.2223
889	98.7	99.5	2.3684	1.3268	0.3198	4.015	2.8821	1.9916	-0.6917	4.182
890	99.5	99.5	2.3838	1.3064	0.3189	4.0091	2.7609	2.053	-0.6875	4.1264
891	100	99.3	2.3901	1.2993	0.3184	4.0078	2.4774	2.352	-0.6567	4.1727
892	97	99	2.3878	1.2979	0.3183	4.004	2.3329	2.4627	-0.6562	4.1394
893	95.6	98.3	2.3899	1.2917	0.3183	3.9999	2.1734	2.6271	-0.6564	4.1441
894	98.2	97.8	2.3697	1.309	0.3178	3.9965	2.0593	2.7682	-0.6452	4.1824
895	100	97.7	2.3651	1.3081	0.3178	3.991	1.8488	2.9718	-0.6423	4.1783
896	99	97.6	2.3655	1.3058	0.3178	3.989	1.7985	3.002	-0.6341	4.1664
897	103	97.5	2.3748	1.2935	0.3177	3.986	1.7408	3.0201	-0.6318	4.1291
898	101	97.3	2.3791	1.2853	0.3179	3.9823	1.7879	2.9299	-0.6307	4.0871
899	102	97	2.3817	1.2794	0.3173	3.9783	1.8708	2.8938	-0.6319	4.1327
900	96.1	96.8	2.3808	1.2735	0.3176	3.9719	1.5847	3.1385	-0.6254	4.0977
901	95.3	96.4	2.3671	1.2817	0.3178	3.9667	1.3923	3.3702	-0.6334	4.1292
902	93.5	96.3	2.3653	1.2815	0.3184	3.9653	1.4167	3.3381	-0.635	4.1198
903	93.1	96.1	2.368	1.2746	0.3183	3.9609	1.5572	3.1625	-0.6156	4.1041
904	93.7	96	2.3669	1.2711	0.3189	3.9569	1.4907	3.2234	-0.6063	4.1078
905	94	95.6	2.3621	1.2692	0.3189	3.9503	1.448	3.2309	-0.5981	4.0808
906	94.2	95.5	2.3554	1.2718	0.3187	3.9458	1.4166	3.2853	-0.5942	4.1077
907	96.1	95.1	2.3587	1.2666	0.3182	3.9434	1.5436	3.209	-0.6435	4.1092
908	91.7	94.8	2.3619	1.2588	0.3175	3.9382	1.6773	3.0426	-0.6538	4.0662
909	96.5	94.3	2.3559	1.2616	0.3171	3.9346	1.6109	3.0958	-0.6607	4.046
910	93.1	94.2	2.3446	1.2699	0.317	3.9315	1.7142	2.9712	-0.6592	4.0262
911	94.1	94.1	2.3276	1.2795	0.3169	3.924	1.7739	2.8934	-0.663	4.0043
912	92.9	94.2	2.3226	1.284	0.3171	3.9237	1.7681	2.8925	-0.67	3.9906
913	95.6	94.2	2.3102	1.2787	0.328	3.9168	1.7414	2.9028	-0.6699	3.9744
914	93.1	94.4	2.2796	1.2725	0.3589	3.911	1.7553	2.9023	-0.6744	3.9833
915	96.1	94.4	2.2819	1.2619	0.368	3.9118	1.6676	2.9399	-0.6773	3.9301
916	96.1	94.3	2.2767	1.264	0.3673	3.908	1.6896	2.9694	-0.6787	3.9802

917	94.9	94.3	2.2749	1.2627	0.3669	3.9045	1.7833	2.8913	-0.6779	3.9968
918	92.2	94.4	2.2791	1.2546	0.3671	3.9009	1.8267	2.8301	-0.6698	3.987
919	92.8	94.4	2.2721	1.2579	0.3667	3.8967	1.9273	2.7141	-0.6613	3.98
920	93.9	94.5	2.2709	1.254	0.3666	3.8915	1.9989	2.6322	-0.6559	3.9752
921	95	94.6	2.2718	1.2519	0.3667	3.8905	1.8372	2.8017	-0.6445	3.9945
922	93.7	94.7	2.2734	1.2455	0.3666	3.8856	1.7384	2.883	-0.6356	3.9857
923	98.4	94.3	2.2726	1.2411	0.3662	3.8799	1.7743	2.8052	-0.653	3.9265
924	94	94.4	2.266	1.2445	0.3659	3.8764	1.6949	2.8463	-0.6501	3.8911
925	92.5	94.3	2.2661	1.2406	0.3656	3.8723	1.625	2.9	-0.5316	3.9934
926	95.2	94.4	2.2432	1.2616	0.3654	3.8701	1.6594	2.7256	-0.4698	3.9152
927	94.3	94.5	2.2041	1.2967	0.365	3.8657	1.7851	2.6201	-0.4815	3.9237
928	95.8	94.7	2.1778	1.3169	0.364	3.8587	1.8763	2.5532	-0.486	3.9434
929	95.7	94.8	2.2004	1.2909	0.3648	3.8561	1.9188	2.4805	-0.4864	3.9128
930	96.1	94.8	2.2176	1.2678	0.3658	3.8512	2.027	2.4843	-0.5032	4.0081
931	93.6	94.7	2.2313	1.2514	0.3658	3.8486	2.1461	2.3416	-0.5595	3.9281
932	88.9	94.8	2.2436	1.236	0.3654	3.845	2.1194	2.364	-0.5686	3.9148
933	93.8	94.3	2.2484	1.2282	0.3658	3.8424	2.185	2.3163	-0.5628	3.9385
934	95.5	94.3	2.2525	1.2199	0.3664	3.8388	2.187	2.2526	-0.5628	3.8768
935	97.6	94.5	2.2581	1.2107	0.3667	3.8355	2.2679	2.1124	-0.5319	3.8484
936	96.9	94.4	2.2585	1.2064	0.3668	3.8317	2.3165	2.0482	-0.5286	3.8361
937	95.7	94.4	2.2555	1.2033	0.3662	3.8251	2.4163	1.9434	-0.5194	3.8403
938	94.8	94.2	2.2574	1.1987	0.3655	3.8215	2.4952	1.8562	-0.5185	3.833
939	93.5	94	2.2645	1.1892	0.3647	3.8184	2.4119	1.9246	-0.5205	3.816
940	93	93.7	2.2701	1.1796	0.3638	3.8135	2.4043	1.9358	-0.5241	3.816
941	96.3	93.5	2.2721	1.174	0.3631	3.8092	2.5756	1.7563	-0.5301	3.8018
942	89.3	93.5	2.2755	1.1652	0.3625	3.8031	2.6515	1.7024	-0.5342	3.8196
943	94.2	93.3	2.2785	1.1578	0.362	3.7983	2.6767	1.7047	-0.5566	3.8248
944	95	93.1	2.282	1.149	0.3623	3.7933	2.796	1.5831	-0.5676	3.8115
945	93.7	92.7	2.2818	1.1466	0.3621	3.7905	2.6678	1.7264	-0.5691	3.8251
946	95	92.3	2.2764	1.1517	0.362	3.7901	2.6208	1.7472	-0.5631	3.8049
947	91.5	91.7	2.2693	1.1561	0.3613	3.7867	2.6321	1.7427	-0.563	3.8118
948	91.5	91.5	2.2725	1.1485	0.361	3.782	2.7634	1.6359	-0.5638	3.8355
949	90.8	91.2	2.27	1.146	0.3614	3.7775	2.8528	1.5559	-0.5631	3.8457
950	89.5	90.7	2.2654	1.1474	0.3615	3.7743	2.8978	1.5135	-0.572	3.8393
951	89.2	90.1	2.263	1.1467	0.3618	3.7714	2.9172	1.4624	-0.564	3.8157
952	89.8	89.9	2.2601	1.1453	0.3605	3.7659	2.7953	1.5608	-0.5524	3.8037
953	92.5	89.7	2.2599	1.1419	0.3599	3.7617	2.771	1.6024	-0.5392	3.8341

954	88.6	89.3	2.2601	1.1395	0.3603	3.7599	2.7998	1.562	-0.531	3.8308
955	89.2	89.1	2.2576	1.1355	0.3603	3.7534	2.8412	1.5297	-0.5269	3.8439
956	85.3	88.9	2.2484	1.136	0.3658	3.7502	2.8083	1.5352	-0.525	3.8186
957	90.4	88.6	2.233	1.1496	0.3667	3.7493	2.7284	1.6118	-0.5163	3.8239
958	87.9	88.3	2.2378	1.1425	0.3669	3.7473	2.7419	1.6014	-0.516	3.8273
959	83.2	88.2	2.2385	1.1378	0.3665	3.7428	2.7473	1.5724	-0.5294	3.7904
960	84.9	88.2	2.2329	1.1387	0.367	3.7386	2.6937	1.6306	-0.5289	3.7954
961	86.8	88.4	2.2305	1.1397	0.3675	3.7377	2.5892	1.7387	-0.5287	3.7993
962	89.4	88.5	2.2242	1.1421	0.3671	3.7334	2.4107	1.8726	-0.5316	3.7517
963	87.6	88.3	2.2168	1.1452	0.3668	3.7289	2.335	1.9687	-0.531	3.7727
964	90.4	88.5	2.2139	1.1444	0.3672	3.7255	2.2177	1.9478	-0.4214	3.7441
965	89.8	88.7	2.2118	1.1427	0.3671	3.7215	1.9117	1.9225	-0.1133	3.721
966	86	89.1	2.2056	1.1426	0.3666	3.7148	1.9461	1.8438	-0.0235	3.7664
967	85.6	88.9	2.2027	1.1448	0.3659	3.7134	1.9197	1.8595	-0.0317	3.7475
968	89.1	89.1	2.1968	1.1478	0.3652	3.7098	1.894	1.8952	-0.0357	3.7536
969	90.1	89.4	2.1906	1.1503	0.3652	3.7061	1.9827	1.8008	-0.0301	3.7533
970	92.1	89.6	2.1875	1.1497	0.3649	3.702	1.9208	1.8463	-0.0321	3.735
971	92.1	89.7	2.1813	1.1508	0.3651	3.6972	1.9213	1.8354	-0.0351	3.7216
972	89.6	89.8	2.1763	1.1517	0.3659	3.6939	1.9545	1.8303	-0.0345	3.7503
973	91.6	89.9	2.1736	1.1511	0.3658	3.6904	1.9876	1.7903	-0.0308	3.7471
974	94.1	89.9	2.1689	1.151	0.3657	3.6856	1.9881	1.7756	-0.029	3.7347
975	92.7	89.7	2.1664	1.1487	0.3668	3.6819	1.936	1.8284	-0.0289	3.7355
976	87.1	89.8	2.1654	1.146	0.3672	3.6786	1.9345	1.8451	-0.0254	3.7543
977	90.4	90	2.1609	1.1451	0.367	3.6731	1.7052	2.0885	-0.0207	3.773
978	89.9	89.9	2.1596	1.146	0.3669	3.6725	1.3202	2.483	-0.0329	3.7703
979	88.7	89.8	2.1481	1.1428	0.3691	3.66	1.0225	2.7464	-0.0465	3.7224
980	88	89.5	2.1347	1.1531	0.3754	3.6632	1.2619	2.5164	-0.0354	3.7428
981	90.7	89.3	2.1329	1.1516	0.3764	3.6609	1.4739	2.2925	-0.0271	3.7392
982	90.3	89.3	2.1275	1.1513	0.3758	3.6546	1.6222	2.1531	-0.022	3.7533
983	89.9	89.2	2.1286	1.1506	0.3755	3.6546	1.7985	2.0249	-0.0397	3.7837
984	86.6	88.8	2.1302	1.1462	0.375	3.6514	2.0121	1.792	-0.0384	3.7656
985	88	88.6	2.1294	1.1442	0.3744	3.6479	2.1111	1.6887	-0.0317	3.768
986	89.1	88.6	2.1263	1.1449	0.3736	3.6448	2.1808	1.6163	-0.0393	3.7578
987	88	88.6	2.1284	1.1389	0.3731	3.6404	2.2045	1.591	-0.0442	3.7512
988	87.5	88.7	2.1297	1.1342	0.3726	3.6365	2.1735	1.6079	-0.0471	3.7342
989	86.9	88.7	2.128	1.1332	0.3722	3.6334	2.185	1.5909	-0.0523	3.7236
990	87.4	88.7	2.1262	1.1308	0.3719	3.629	2.2712	1.5211	-0.0601	3.7321

991	90	88.6	2.125	1.1291	0.3718	3.6259	2.3396	1.4529	-0.0645	3.728
992	90.3	88.5	2.1201	1.1274	0.3739	3.6215	2.3621	1.4152	-0.0677	3.7097
993	86.4	88.6	2.1103	1.1334	0.3751	3.6188	2.4274	1.3285	-0.0763	3.6796
994	89.1	88.7	2.1029	1.1363	0.3747	3.614	2.4826	1.2446	-0.0828	3.6444
995	86.7	88.8	2.103	1.1333	0.3741	3.6105	2.5253	1.1879	-0.0791	3.6341
996	89	88.6	2.1023	1.1315	0.3741	3.6079	2.525	1.2121	-0.0839	3.6531
997	92.8	88.5	2.0984	1.1299	0.3741	3.6024	2.4766	1.2928	-0.1024	3.667
998	88.7	88.3	2.0938	1.1297	0.3742	3.5977	2.4096	1.3615	-0.1044	3.6667
999	87.5	88.4	2.0919	1.128	0.3745	3.5944	2.4605	1.3097	-0.1069	3.6632
1000	89.3	88.4	2.089	1.1273	0.374	3.5903	2.4663	1.297	-0.1032	3.6601
1001	89	88.2	2.0876	1.1257	0.3731	3.5863	2.4586	1.3057	-0.1008	3.6635
1002	91.4	87.9	2.0882	1.1213	0.3723	3.5818	2.469	1.3092	-0.0994	3.6788
1003	87.5	88	2.088	1.1184	0.3714	3.5778	2.46	1.3199	-0.1118	3.6681
1004	90.3	88	2.0828	1.1181	0.3716	3.5725	2.5038	1.2746	-0.118	3.6604
1005	86.5	88.1	2.0813	1.1157	0.3714	3.5684	2.5279	1.2529	-0.1164	3.6644
1006	84.5	87.9	2.0825	1.1106	0.3703	3.5634	2.5625	1.2197	-0.1167	3.6656
1007	85.2	87.8	2.0845	1.1064	0.3698	3.5607	2.4786	1.2547	-0.0485	3.6848
1008	87.1	87.8	2.0872	1.1016	0.3704	3.5592	2.3289	1.4102	-0.0385	3.7006
1009	88.3	87.9	2.0865	1.0986	0.37	3.5551	2.395	1.3785	-0.0398	3.7337
1010	85.8	87.9	2.0856	1.0961	0.3699	3.5516	2.3937	1.3969	-0.0433	3.7473
1011	85.5	88.2	2.0865	1.0922	0.3701	3.5488	2.3394	1.4165	-0.0387	3.7171
1012	87.9	88.2	2.0891	1.0871	0.3702	3.5464	2.3279	1.441	-0.0286	3.7403
1013	89.8	88.3	2.0884	1.0839	0.3701	3.5424	2.2872	1.498	-0.0291	3.7561
1014	87.4	88.4	2.0884	1.0802	0.3703	3.5389	2.229	1.5658	-0.0591	3.7356
1015	85.8	88.6	2.0873	1.0775	0.3704	3.5352	2.2109	1.5625	-0.0708	3.7027
1016	90.3	89.1	2.0847	1.0781	0.3705	3.5332	2.2198	1.5528	-0.0714	3.7012
1017	88.1	89.5	2.0855	1.0731	0.3705	3.5291	2.1903	1.5624	-0.0803	3.6724
1018	90	89.9	2.0809	1.0745	0.3701	3.5256	2.1899	1.6011	-0.0833	3.7077
1019	88.7	90	2.08	1.0733	0.3699	3.5232	2.1983	1.6093	-0.09	3.7176
1020	95	90.2	2.0787	1.0705	0.3701	3.5194	2.1134	1.6609	-0.0921	3.6822
1021	92.1	90.7	2.0764	1.0689	0.3702	3.5154	2.0884	1.6798	-0.0897	3.6785
1022	89.4	90.9	2.0746	1.0665	0.3697	3.5109	2.0379	1.7305	-0.0825	3.6859
1023	91.1	91	2.0738	1.0636	0.3691	3.5064	2.0028	1.7545	-0.069	3.6883
1024	91.1	91.3	2.0724	1.0617	0.3688	3.5029	2.1001	1.6876	-0.0665	3.7212
1025	93.7	91.7	2.0726	1.0561	0.3682	3.4968	2.2392	1.5704	-0.0831	3.7266
1026	93.7	91.8	2.0726	1.0527	0.3675	3.4928	2.246	1.5366	-0.0847	3.698
1027	93.4	91.8	2.0721	1.0484	0.3683	3.4887	2.2673	1.5028	-0.0819	3.6882

1028	91.4	91.7	2.0756	1.0423	0.3686	3.4865	2.2776	1.4887	-0.0849	3.6814
1029	88.5	91.7	2.0742	1.0393	0.3683	3.4818	2.3197	1.4695	-0.0809	3.7083
1030	95.1	91.3	2.0702	1.0385	0.3685	3.4772	2.2202	1.4525	-0.0612	3.6115
1031	92.9	91.3	2.0691	1.0361	0.368	3.4732	2.0639	1.5989	0.003	3.6659
1032	90.5	91.1	2.0638	1.0335	0.3694	3.4666	2.0591	1.5937	0.0177	3.6705
1033	93.6	91.3	2.0472	1.049	0.3697	3.4658	2.0333	1.5978	0.015	3.6461
1034	93.6	91	2.0414	1.0511	0.3695	3.462	2.0521	1.6209	0.0112	3.6842
1035	91.8	90.7	2.0401	1.049	0.3707	3.4598	2.0954	1.5818	-0.0045	3.6727
1036	88.1	90.4	2.0381	1.0473	0.3712	3.4566	2.1148	1.561	-0.0163	3.6595
1037	88.5	90.3	2.0382	1.0425	0.3709	3.4516	2.0947	1.5852	-0.0227	3.6572
1038	89.1	90.3	2.0389	1.0396	0.3707	3.4492	2.1052	1.5685	-0.0252	3.6486
1039	87.7	90.3	2.0374	1.0371	0.3707	3.4451	2.1527	1.5164	-0.0233	3.6459
1040	90.7	90	2.0362	1.0343	0.3703	3.4408	2.1619	1.504	-0.0151	3.6508
1041	87.3	90	2.0359	1.0325	0.3698	3.4383	2.1462	1.5187	-0.0205	3.6444
1042	93.2	90.1	2.0328	1.0323	0.3701	3.4352	2.1857	1.506	-0.0154	3.6763
1043	86.2	90	2.0302	1.0333	0.3703	3.4339	2.1601	1.4681	0.0076	3.6357
1044	87.8	89.9	2.0295	1.0302	0.3702	3.4299	2.1035	1.5328	0.0252	3.6615
1045	88.9	89.8	2.0293	1.0254	0.3705	3.4252	2.0482	1.5957	0.0249	3.6688
1046	90.2	89.8	2.0288	1.0225	0.3722	3.4234	2.1028	1.547	0.0207	3.6704
1047	91.7	89.6	2.0283	1.02	0.3717	3.42	2.1359	1.5245	0.0203	3.6808
1048	88.5	89.7	2.0265	1.0175	0.3717	3.4157	2.1058	1.5475	0.021	3.6743
1049	89.6	89.6	2.0234	1.0163	0.3717	3.4115	2.0662	1.5707	0.0242	3.6612
1050	92.5	89.7	2.0195	1.0168	0.3716	3.4079	2.0429	1.5982	0.0317	3.6729
1051	93	89.9	2.016	1.0158	0.3717	3.4035	2.0166	1.6212	0.0359	3.6737
1052	92.1	89.7	2.0141	1.0133	0.3717	3.3991	2.0142	1.6124	0.0341	3.6608
1053	90.8	89.8	2.0095	1.0145	0.3717	3.3957	2.0468	1.5811	0.0259	3.6538
1054	89.9	89.9	2.0073	1.0142	0.3719	3.3934	2.0561	1.5854	0.0091	3.6506
1055	87.8	90.2	2.0014	1.0135	0.372	3.3869	2.0651	1.5792	0.0031	3.6474
1056	86.1	90.2	2.0005	1.0105	0.3707	3.3817	2.1102	1.5122	0	3.6224
1057	89.6	90.1	2.0001	1.0085	0.3706	3.3793	2.155	1.4397	-0.01	3.5847
1058	86.9	90.1	1.9983	1.0047	0.3709	3.3739	2.2123	1.3821	-0.0135	3.5809
1059	92.4	90	1.9991	0.9982	0.3708	3.368	2.2288	1.359	0.0024	3.5902
1060	90.4	89.8	1.999	0.9971	0.3708	3.3669	2.2388	1.3417	0.0075	3.588
1061	89.5	89.6	1.9977	0.9956	0.3704	3.3637	2.273	1.3048	0.0067	3.5845
1062	87.9	89.3	1.9955	0.9923	0.37	3.3578	2.3048	1.2647	0.0062	3.5756
1063	91.2	89.2	1.9939	0.9886	0.3727	3.3553	2.362	1.2258	0.0024	3.5901
1064	93.8	89.1	1.9928	0.9882	0.3742	3.3552	2.3837	1.2163	-0.005	3.595

1065	91	89.1	1.9898	0.9874	0.3742	3.3514	2.4038	1.179	-0.0088	3.574
1066	89.5	89.1	1.9865	0.9864	0.3746	3.3475	2.3902	1.1783	-0.0037	3.5647
1067	88.7	89	1.9837	0.9847	0.3743	3.3427	2.3171	1.2595	-0.0003	3.5763
1068	86.6	89.1	1.977	0.9869	0.3742	3.3381	2.355	1.2148	0.0115	3.5812
1069	89.7	88.7	1.9793	0.9842	0.3744	3.3378	2.3405	1.2421	-0.0033	3.5794
1070	88.9	88.7	1.9787	0.9817	0.3738	3.3342	2.3409	1.2732	-0.0315	3.5826
1071	85.9	88.6	1.9775	0.9777	0.3734	3.3286	2.3581	1.2482	-0.0242	3.5821
1072	89.3	88.7	1.976	0.9762	0.3728	3.3251	2.3769	1.2186	-0.0182	3.5773
1073	88.1	88.6	1.9636	0.9823	0.3725	3.3183	2.4011	1.1864	-0.0243	3.5632
1074	87.3	88.4	1.945	0.994	0.374	3.3129	2.4137	1.1655	-0.0263	3.5529
1075	87	88.3	1.9418	0.995	0.3753	3.3121	2.4197	1.1657	-0.022	3.5634
1076	87.8	88.4	1.9387	0.9957	0.3754	3.3098	2.4198	1.1407	-0.0346	3.5259
1077	88	88.4	1.9332	0.9962	0.3755	3.3049	2.4218	1.1314	-0.0519	3.5013
1078	85	88.6	1.9277	0.999	0.375	3.3017	2.4579	1.0966	-0.0497	3.5048
1079	90.7	88.5	1.9261	0.9976	0.3752	3.2988	2.5092	1.0371	-0.0279	3.5184
1080	87.3	88.4	1.9283	0.9932	0.3751	3.2966	2.565	0.9849	-0.0266	3.5232
1081	88.8	88.6	1.927	0.9922	0.3747	3.2938	2.5681	0.9563	-0.0061	3.5182
1082	89.5	88.5	1.9241	0.9915	0.3743	3.29	2.6386	0.9096	-0.0098	3.5384
1083	89.6	88.3	1.9234	0.9885	0.3744	3.2862	2.7881	0.6903	-0.0044	3.4741
1084	90.5	88.4	1.9207	0.9881	0.3754	3.2842	2.6306	0.8529	-0.0009	3.4826
1085	90.3	88.4	1.9179	0.9881	0.376	3.282	2.5929	0.885	-0.0015	3.4765
1086	89.7	88.2	1.9168	0.9864	0.3759	3.2791	2.6173	0.8778	-0.011	3.4841
1087	89.8	88	1.9178	0.9821	0.3757	3.2756	2.6149	0.8904	-0.0266	3.4787
1088	87.8	87.9	1.9144	0.9826	0.3749	3.2719	2.6497	0.8583	-0.03	3.4779
1089	86.5	87.7	1.9118	0.9828	0.3737	3.2683	2.678	0.8499	-0.0382	3.4896
1090	90.2	87.7	1.9116	0.9789	0.374	3.2645	2.6782	0.8422	-0.0466	3.4737
1091	87.2	87.8	1.9064	0.9785	0.3734	3.2582	3.0618	0.5109	-0.0581	3.5146
1092	84.6	87.6	1.9041	0.9806	0.3732	3.2579	3.0488	0.4923	-0.0693	3.4718
1093	89.4	87.4	1.9	0.9801	0.3726	3.2526	2.9071	0.6408	-0.0813	3.4666
1094	86.3	87	1.8981	0.9767	0.3722	3.2471	2.9146	0.6935	-0.1581	3.45
1095	84.3	86.6	1.8928	0.9786	0.372	3.2434	3.3347	0.472	-0.5884	3.2183
1096	84.1	86.2	1.8887	0.979	0.3721	3.2398	3.3138	0.5579	-0.4552	3.4165
1097	84	86	1.8878	0.9752	0.372	3.235	3.1751	0.6352	-0.4318	3.3785
1098	86.1	85.8	1.8872	0.9727	0.3718	3.2316	3.1649	0.6544	-0.4309	3.3884
1099	88.4	85.8	1.8876	0.9682	0.3713	3.2271	3.1943	0.6294	-0.4369	3.3867
1100	89.5	85.4	1.8874	0.9652	0.3704	3.223	3.2667	0.635	-0.4511	3.4506
1101	85.5	85.1	1.8862	0.9644	0.3696	3.2202	3.4512	0.5035	-0.4908	3.4639

1102	85.4	84.9	1.8835	0.9632	0.3697	3.2165	3.4997	0.4538	-0.5045	3.4491
1103	83.7	84.7	1.8824	0.9599	0.3705	3.2128	3.5062	0.3976	-0.5057	3.3981
1104	83.5	84.6	1.8763	0.9602	0.3713	3.2078	3.5728	0.3071	-0.5061	3.3738
1105	82.2	84.7	1.8703	0.9645	0.3714	3.2062	3.5612	0.3347	-0.5013	3.3947
1106	85.2	84.6	1.867	0.9666	0.3713	3.2049	3.5684	0.2845	-0.4949	3.358
1107	83.3	84.5	1.8633	0.9682	0.3711	3.2026	3.6079	0.2441	-0.4985	3.3535
1108	86.4	84.5	1.8643	0.9657	0.3702	3.2002	3.6164	0.2411	-0.4944	3.363
1109	83	84.2	1.8626	0.9644	0.3693	3.1963	3.7099	0.1495	-0.4922	3.3672
1110	82.5	84.1	1.8583	0.9656	0.3692	3.1931	3.7942	-0.0005	-0.4899	3.3037
1111	81.2	84.1	1.8561	0.9657	0.3694	3.1912	3.8327	-0.0128	-0.486	3.3339
1112	84.3	84.1	1.8529	0.9645	0.3699	3.1874	3.8628	-0.0611	-0.4871	3.3146
1113	84	84.4	1.85	0.9623	0.3706	3.1829	3.9126	-0.1407	-0.4866	3.2854
1114	86.4	84.5	1.848	0.9623	0.3711	3.1815	3.9187	-0.1692	-0.4588	3.2906
1115	83.4	84.6	1.8483	0.9597	0.3707	3.1787	3.9319	-0.1684	-0.4492	3.3144
1116	81.5	84.6	1.853	0.9521	0.3705	3.1756	3.837	-0.0615	-0.4545	3.321
1117	85.8	84.7	1.85	0.9517	0.3694	3.171	3.851	-0.1012	-0.4475	3.3022
1118	83.7	84.8	1.8468	0.9503	0.3705	3.1676	3.8923	-0.1353	-0.4466	3.3104
1119	86.6	84.9	1.8459	0.946	0.373	3.165	3.8553	-0.1224	-0.4455	3.2874
1120	85.4	85.1	1.8429	0.9457	0.3725	3.1611	3.8959	-0.1386	-0.434	3.3233
1121	86.5	85.2	1.8387	0.9471	0.372	3.1577	3.9152	-0.1586	-0.4394	3.3173
1122	87.8	85.1	1.8345	0.9479	0.3721	3.1545	3.9444	-0.2041	-0.4496	3.2908
1123	85.6	85	1.8324	0.947	0.3717	3.1511	3.9935	-0.2396	-0.4552	3.2987
1124	85.6	84.9	1.8304	0.9451	0.371	3.1465	3.8758	-0.1455	-0.47	3.2602
1125	85.2	84.9	1.8306	0.942	0.3716	3.1443	3.7072	-0.0032	-0.4643	3.2397
1126	84.6	85	1.8305	0.9396	0.3727	3.1427	3.6845	0.0386	-0.4503	3.2728
1127	87.7	84.8	1.8263	0.9387	0.3732	3.1382	3.6319	0.1027	-0.4457	3.289
1128	85.9	84.9	1.8247	0.9386	0.3714	3.1347	3.5721	0.133	-0.4307	3.2744
1129	86.4	84.9	1.8177	0.9408	0.371	3.1295	3.5149	0.21	-0.4358	3.2891
1130	82.2	84.9	1.8134	0.9429	0.3691	3.1254	3.5146	0.2126	-0.4303	3.2969
1131	82.8	84.6	1.8052	0.9452	0.369	3.1194	3.5827	0.1988	-0.4773	3.3042
1132	82.3	84.4	1.785	0.9644	0.3698	3.1192	3.5298	0.2389	-0.4737	3.295
1133	83.6	84.4	1.7841	0.9637	0.3698	3.1175	3.4835	0.2728	-0.4724	3.2838
1134	84.5	84.4	1.7821	0.9626	0.3697	3.1144	3.4653	0.2701	-0.4683	3.2672
1135	83.2	84.3	1.7783	0.9612	0.3718	3.1113	3.4285	0.3142	-0.4579	3.2848
1136	81.7	84.2	1.7766	0.9582	0.3738	3.1087	3.3322	0.4095	-0.4536	3.288
1137	85.7	84.1	1.7732	0.9567	0.3739	3.1038	3.2775	0.4578	-0.4522	3.2831
1138	86	83.8	1.7711	0.9546	0.3746	3.1002	3.2571	0.4712	-0.4493	3.2789

1139	85.1	83.6	1.7696	0.9529	0.3753	3.0978	3.158	0.5728	-0.4537	3.2771
1140	81.1	83.5	1.73	0.9832	0.3761	3.0893	3.111	0.6541	-0.4837	3.2814
1141	83.7	83.5	1.731	0.9833	0.3768	3.0911	3.0684	0.6846	-0.4802	3.2728
1142	86.2	83.4	1.7421	0.9682	0.3782	3.0885	3.0142	0.6933	-0.4759	3.2317
1143	85.9	83.4	1.7388	0.964	0.3861	3.0889	3.102	0.6677	-0.477	3.2926
1144	82.9	83.4	1.696	0.983	0.429	3.1081	3.3937	0.4372	-0.4763	3.3546
1145	83.5	83.3	1.6979	0.9696	0.416	3.0836	3.5091	0.2345	-0.478	3.2656
1146	84.5	83.6	1.7113	0.9589	0.4154	3.0856	3.5503	0.194	-0.4753	3.269
1147	81	83.4	1.7118	0.9545	0.4148	3.0812	3.5269	0.2168	-0.477	3.2667
1148	81.7	83.3	1.707	0.9546	0.4154	3.077	3.5855	0.1559	-0.4907	3.2506
1149	81.8	83.1	1.6967	0.9528	0.4169	3.0664	3.584	0.1483	-0.4974	3.2348
1150	81.1	83.1	1.6744	0.9665	0.4207	3.0615	3.5724	0.157	-0.5023	3.227
1151	82.1	83.1	1.6661	0.9704	0.4222	3.0586	3.6452	0.0972	-0.5117	3.2307
1152	82.3	83	1.6635	0.9735	0.4223	3.0593	3.6954	0.06	-0.5171	3.2382
1153	85.3	82.8	1.6522	0.9838	0.4223	3.0583	3.6302	0.1272	-0.5076	3.2498
1154	81.7	82.7	1.6512	0.9808	0.422	3.054	3.8494	0.1372	-0.7919	3.1948
1155	86	82.6	1.6445	0.9851	0.4215	3.0511	3.826	0.1372	-0.7689	3.1943
1156	81.9	82.7	1.6397	0.9861	0.4205	3.0464	3.7196	0.2977	-0.763	3.2544
1157	84.5	82.9	1.6385	0.9844	0.42	3.043	3.5857	0.4123	-0.7621	3.2358
1158	82.2	83	1.6273	0.9897	0.4201	3.0372	3.5283	0.4772	-0.7641	3.2414
1159	80.9	83	1.6197	0.9982	0.4198	3.0377	3.5518	0.4594	-0.7768	3.2344
1160	84	83.2	1.6157	0.9983	0.4194	3.0335	3.5661	0.4508	-0.7989	3.2179
1161	83.1	83.3	1.6114	1.0017	0.4191	3.0322	3.5224	0.4938	-0.7946	3.2216
1162	83.4	83.4	1.6042	1.0064	0.4187	3.0293	3.4698	0.558	-0.7836	3.2442
1163	81	83.3	1.602	1.0056	0.4186	3.0262	3.3493	0.6529	-0.7675	3.2347
1164	81.7	83.4	1.5996	1.005	0.4192	3.0238	3.1858	0.7889	-0.7603	3.2144
1165	86.1	83.3	1.6061	0.9935	0.4197	3.0193	3.2119	0.793	-0.7559	3.249
1166	83.9	83.2	1.6014	0.9965	0.4194	3.0173	3.3736	0.6342	-0.7513	3.2565
1167	83.2	83.1	1.5945	0.9982	0.4189	3.0116	3.5946	0.4218	-0.7538	3.2626
1168	83	83.1	1.5914	0.9991	0.4187	3.0093	3.6424	0.349	-0.7694	3.222
1169	84.5	83.1	1.5897	0.9981	0.4178	3.0055	3.7567	0.2187	-0.7611	3.2144
1170	83.6	82.9	1.5871	0.9976	0.4178	3.0025	3.8591	0.0871	-0.732	3.2142
1171	83.8	82.9	1.5831	0.9982	0.4183	2.9995	3.9723	0.013	-0.7388	3.2465
1172	84	82.8	1.5767	1.0002	0.4184	2.9952	3.9733	0.0186	-0.7381	3.2539
1173	83	82.8	1.576	0.9969	0.4195	2.9923	3.9525	0.0292	-0.7287	3.2531
1174	84.3	82.8	1.5743	0.9943	0.4204	2.989	3.9889	0.0088	-0.7326	3.2651
1175	81.1	82.5	1.5733	0.9911	0.4203	2.9848	3.9621	0.0257	-0.7406	3.2473

1176	81.7	82.4	1.5755	0.9854	0.42	2.9809	3.9243	0.0488	-0.7322	3.241
1177	82.3	82.4	1.576	0.9829	0.4186	2.9775	3.9542	0.0196	-0.7159	3.2579
1178	81.2	82.3	1.5762	0.978	0.4186	2.9727	3.9628	-0.0064	-0.7087	3.2477
1179	80.1	82.1	1.5746	0.9763	0.4182	2.9691	3.8958	0.0842	-0.728	3.252
1180	84.1	81.9	1.57	0.9733	0.4228	2.9662	3.8491	0.11	-0.727	3.232
1181	81.1	81.9	1.574	0.9683	0.422	2.9643	3.8832	0.1552	-0.7452	3.2932
1182	80.5	81.6	1.5758	0.9643	0.4216	2.9616	3.703	0.2473	-0.7349	3.2154
1183	82.4	81.5	1.5768	0.9615	0.4212	2.9595	3.5769	0.4117	-0.7216	3.2671
1184	80.4	81.3	1.5778	0.9566	0.4212	2.9557	3.6316	0.3682	-0.7297	3.2701
1185	81.2	81.2	1.5847	0.9471	0.4214	2.9532	3.617	0.4075	-0.7339	3.2905
1186	83.6	81.1	1.589	0.9406	0.4211	2.9508	3.5084	0.4784	-0.7117	3.275
1187	80.8	80.9	1.5921	0.9349	0.4206	2.9477	3.5744	0.5066	-0.6915	3.3895
1188	80.1	80.7	1.5986	0.9253	0.4203	2.9442	3.6279	0.7987	-1.2049	3.2217
1189	81.1	80.7	1.6007	0.9174	0.4221	2.9401	3.7135	0.8367	-1.3413	3.2089
1190	82.2	80.5	1.6048	0.9105	0.422	2.9372	3.7927	0.7232	-1.2626	3.2533
1191	78.7	80.6	1.605	0.9092	0.4209	2.9351	3.4635	0.9791	-1.2537	3.1889
1192	82.1	80.6	1.5939	0.9138	0.4209	2.9287	3.5694	0.8948	-1.2526	3.2116
1193	79.3	80.4	1.5606	0.9364	0.4202	2.9172	3.7677	0.7023	-1.2343	3.2358
1194	79.9	80.6	1.5472	0.9533	0.42	2.9205	3.6908	0.7106	-1.1482	3.2532
1195	79.2	80.8	1.5377	0.9592	0.4196	2.9165	3.3637	0.8306	-0.7166	3.4777
1196	78.2	80.7	1.536	0.9573	0.4198	2.9131	3.4446	0.6389	-0.8247	3.2588
1197	78.2	80.8	1.5293	0.9596	0.4211	2.91	3.6289	0.5022	-0.8204	3.3107
1198	80.7	81.1	1.5288	0.9578	0.4215	2.9081	3.5805	0.5139	-0.8161	3.2782
1199	80.4	81.4	1.5304	0.9525	0.4215	2.9044	3.5374	0.543	-0.8003	3.2802
1200	81.8	81.6	1.5229	0.9555	0.4216	2.8999	3.4352	0.5394	-0.7718	3.2028
1201	80.2	81.7	1.5166	0.9584	0.4214	2.8964	3.2	0.6986	-0.703	3.1956
1202	80.4	81.8	1.5205	0.9505	0.4205	2.8915	3.1314	0.7463	-0.6572	3.2205
1203	83.1	82.3	1.4974	0.9461	0.4497	2.8933	3.1326	0.7727	-0.6451	3.2602
1204	84.8	82.9	1.4937	0.9465	0.4482	2.8883	2.9012	1.0245	-0.6482	3.2774
1205	82.2	83.1	1.4983	0.9347	0.4477	2.8807	2.9643	1.0519	-0.7493	3.2669
1206	83.5	83.5	1.5084	0.9254	0.4475	2.8813	2.8869	1.0889	-0.7112	3.2646
1207	84.3	83.8	1.5104	0.9205	0.4475	2.8785	2.8251	1.0999	-0.6584	3.2666
1208	88.1	83.9	1.5092	0.9197	0.4479	2.8767	2.8569	1.0552	-0.6584	3.2536
1209	85.3	84.2	1.506	0.9193	0.4492	2.8745	2.7279	1.1309	-0.6455	3.2133
1210	81.5	84.2	1.5061	0.9162	0.4487	2.871	2.7216	1.1887	-0.662	3.2482
1211	84	84.5	1.5091	0.9099	0.4478	2.8668	2.7455	1.1636	-0.6639	3.2452
1212	88.3	84.6	1.518	0.8993	0.4467	2.8639	2.7779	1.1895	-0.6855	3.282

1213	90.1	84.6	1.5314	0.8834	0.4467	2.8615	2.7415	1.2403	-0.717	3.2648
1214	84.6	84.4	1.5268	0.8831	0.4467	2.8566	2.7291	1.2597	-0.7393	3.2495
1215	84.8	84.2	1.5109	0.8963	0.4459	2.8531	2.738	1.2677	-0.7509	3.2548
1216	84.3	84.1	1.4935	0.9099	0.4459	2.8493	2.7933	1.1739	-0.7104	3.2568
1217	82.7	84	1.4858	0.9168	0.4463	2.8488	2.7696	1.2055	-0.7019	3.2733
1218	86.4	83.7	1.4712	0.9285	0.4466	2.8462	2.6997	1.2421	-0.6964	3.2454
1219	80.7	83.7	1.46	0.9373	0.4462	2.8435	2.698	1.2521	-0.6937	3.2564
1220	85.8	83.6	1.4457	0.9444	0.4464	2.8365	2.6888	1.2573	-0.6873	3.2589
1221	82.6	83.3	1.4413	0.9452	0.4458	2.8323	2.6222	1.3139	-0.6727	3.2634
1222	83.1	83	1.4393	0.9449	0.445	2.8292	2.6132	1.3248	-0.6661	3.2719
1223	81.3	82.6	1.4335	0.9461	0.445	2.8246	2.574	1.3855	-0.6979	3.2616
1224	78.6	82.4	1.4342	0.9425	0.4451	2.8218	2.5013	1.4594	-0.7016	3.2591
1225	80.8	82.3	1.4382	0.9371	0.4448	2.8202	2.4631	1.4838	-0.7074	3.2395
1226	83.5	82.2	1.435	0.9376	0.4443	2.8169	2.4165	1.5084	-0.6973	3.2276
1227	81.2	82.2	1.43	0.9393	0.4441	2.8134	2.44	1.4879	-0.7074	3.2205
1228	85	82	1.4351	0.9302	0.4442	2.8095	2.4045	1.546	-0.7127	3.2378
1229	80.9	82.2	1.4328	0.9298	0.4437	2.8063	2.3255	1.5988	-0.6964	3.2278
1230	78.7	81.9	1.4251	0.9274	0.4436	2.7961	2.2809	1.6185	-0.7052	3.1942
1231	81.9	82	1.4349	0.9204	0.4425	2.7979	2.2143	1.6205	-0.6611	3.1737
1232	82.5	82	1.4273	0.9233	0.442	2.7925	2.2339	1.5993	-0.6519	3.1812
1233	80.8	82	1.4209	0.9269	0.4427	2.7905	2.1996	1.6386	-0.6513	3.1869
1234	82.1	82.2	1.4204	0.9218	0.4431	2.7853	2.1369	1.7306	-0.6439	3.2236
1235	82.8	82.3	1.4275	0.9134	0.4429	2.7838	2.2153	1.6905	-0.6554	3.2504
1236	83.3	82.3	1.4192	0.9076	0.443	2.7697	2.3046	1.7672	-0.8107	3.261
1237	82.3	82.4	1.4104	0.8768	0.4944	2.7817	2.3362	1.7103	-0.8124	3.2342
1238	83.7	82.2	1.3997	0.8709	0.5087	2.7793	2.5359	1.7008	-1.415	2.8217
1239	81.2	82.3	1.3903	0.8806	0.5016	2.7724	3.1311	1.6482	-2.1987	2.5806
1240	83.9	82.4	1.3836	0.8853	0.5015	2.7704	3.4662	1.5553	-1.7389	3.2826
1241	83.6	82.4	1.3741	0.8938	0.502	2.7699	3.5358	1.4861	-1.7436	3.2782
1242	80.2	82.3	1.3653	0.898	0.5017	2.765	3.6075	1.4586	-1.7652	3.3009
1243	82.4	82.3	1.3697	0.8929	0.5009	2.7635	3.4892	1.4975	-1.7208	3.2659
1244	84.3	82.3	1.3596	0.9	0.5007	2.7603	3.1922	1.7402	-1.7641	3.1683
1245	82.6	82.3	1.3535	0.9057	0.4985	2.7577	3.1149	1.928	-1.7982	3.2448
1246	82.6	82.2	1.3484	0.9087	0.4974	2.7545	3.1297	1.9955	-1.8846	3.2406
1247	81.2	82.4	1.3538	0.9031	0.4964	2.7533	3.0641	1.9893	-1.817	3.2363
1248	82.6	82.8	1.3533	0.9003	0.4954	2.749	2.9276	2.095	-1.7678	3.2548
1249	81.7	83.1	1.3532	0.8989	0.494	2.7461	2.901	2.1054	-1.7158	3.2906

1250	80.9	83.4	1.3544	0.8966	0.491	2.742	2.8781	2.0486	-1.6659	3.2608
1251	81.2	83.5	1.3529	0.8957	0.4879	2.7366	2.8268	2.0768	-1.6607	3.243
1252	80.3	83.9	1.3502	0.8963	0.4868	2.7333	2.7815	2.1157	-1.6706	3.2267
1253	82.2	84.1	1.3621	0.8813	0.4871	2.7305	2.8169	2.0449	-1.6502	3.2115
1254	82.7	84.1	1.3547	0.8756	0.4969	2.7273	2.5924	2.004	-1.3544	3.242
1255	82.3	84.2	1.3559	0.8762	0.4926	2.7246	2.584	2.0261	-1.3983	3.2118
1256	86.7	84.4	1.3572	0.8761	0.4864	2.7197	2.6152	1.9469	-1.3981	3.164
1257	90	84.5	1.3528	0.8789	0.4859	2.7176	2.7124	1.8951	-1.3988	3.2087
1258	88.4	84.5	1.3546	0.8767	0.4846	2.7158	2.7514	1.8741	-1.4185	3.207
1259	87.8	84.8	1.3475	0.8793	0.486	2.7128	2.7209	1.8881	-1.3801	3.2288
1260	86.5	85.1	1.3412	0.882	0.4858	2.709	2.6077	1.9221	-1.3064	3.2234
1261	87.6	85.4	1.3336	0.8828	0.4876	2.704	2.6049	1.8935	-1.2866	3.2117
1262	86.2	85.9	1.33	0.8824	0.4904	2.7028	2.6324	1.8279	-1.2683	3.1919
1263	84.2	86.1	1.3291	0.8796	0.4926	2.7013	2.7286	1.7303	-1.2816	3.1773
1264	84.8	86.3	1.3258	0.8782	0.4942	2.6983	2.8703	1.5895	-1.2867	3.1731
1265	85.6	86.5	1.3268	0.8761	0.4907	2.6936	2.8269	1.6097	-1.276	3.1606
1266	83.1	86.4	1.3245	0.876	0.4895	2.69	2.6758	1.7678	-1.288	3.1556
1267	83	86	1.3245	0.874	0.4886	2.6871	2.502	1.9489	-1.3029	3.148
1268	88.1	85.8	1.3216	0.8739	0.4881	2.6837	2.4685	2.0353	-1.3209	3.183
1269	86.2	85.8	1.3208	0.8723	0.4865	2.6796	2.3529	2.1654	-1.3268	3.1914
1270	86.3	85.9	1.3249	0.8662	0.4851	2.6761	2.2534	2.2615	-1.3419	3.1731
1271	90.4	85.9	1.3217	0.8657	0.4849	2.6724	2.162	2.3392	-1.3605	3.1407
1272	85.7	85.9	1.3193	0.8616	0.4881	2.669	2.1562	2.3236	-1.343	3.1367
1273	87.3	86	1.3259	0.8509	0.4896	2.6664	2.1084	2.3499	-1.3196	3.1387
1274	85.8	85.9	1.3279	0.8459	0.4911	2.665	2.0213	2.3912	-1.3043	3.1083
1275	84.2	85.8	1.3317	0.8403	0.4901	2.662	2.0342	2.3847	-1.2882	3.1307
1276	82.9	85.7	1.3315	0.8366	0.4907	2.6588	2.1078	2.3561	-1.3081	3.1558
1277	84.6	85.9	1.3355	0.8283	0.4899	2.6537	2.1119	2.3535	-1.3402	3.1253
1278	87.4	85.9	1.3436	0.8181	0.4882	2.65	2.0688	2.3815	-1.353	3.0973
1279	88.2	85.8	1.3465	0.8145	0.4887	2.6497	2.1359	2.2941	-1.3595	3.0705
1280	87.7	85.5	1.3486	0.8113	0.4889	2.6488	2.1222	2.2918	-1.3576	3.0564
1281	87	85.2	1.3506	0.8084	0.4872	2.6462	2.0633	2.2887	-1.3624	2.9896
1282	85.2	85.1	1.3558	0.8004	0.4867	2.643	2.186	2.2207	-1.3659	3.0408
1283	83	85	1.3631	0.7884	0.4856	2.6371	2.1125	2.2734	-1.3684	3.0175
1284	83.9	84.9	1.3563	0.7876	0.4868	2.6306	1.9995	2.3716	-1.3485	3.0226
1285	81.1	84.7	1.3542	0.7704	0.5024	2.6271	2.0522	2.3207	-1.3384	3.0345
1286	87.8	84.8	1.3554	0.7696	0.5024	2.6274	2.1586	2.2426	-1.346	3.0553

1287	86.8	84.9	1.3385	0.7649	0.5621	2.6655	2.1054	2.1905	-1.3743	2.9217
1288	83.9	84.8	1.2855	0.7605	0.6402	2.6861	2.0302	1.904	-0.862	3.0722
1289	82.2	84.7	1.2541	0.7618	0.596	2.6119	1.9087	1.87	-0.7156	3.0631
1290	83.9	84.6	1.2512	0.7618	0.5964	2.6094	1.7973	1.988	-0.7788	3.0065
1291	83.9	84.5	1.2442	0.7633	0.5975	2.605	1.7109	2.058	-0.7631	3.0058
1292	84.6	84.6	1.245	0.7641	0.593	2.6021	1.6179	2.1523	-0.7534	3.0168
1293	84.8	84.6	1.2414	0.7624	0.5966	2.6004	1.5586	2.1896	-0.7527	2.9956
1294	81.2	84.6	1.2357	0.7605	0.5999	2.5961	1.6165	2.1602	-0.7593	3.0174
1295	83.2	84.9	1.2248	0.7597	0.608	2.5925	1.5263	2.2569	-0.7664	3.0167
1296	87.7	84.8	1.2296	0.7584	0.6015	2.5895	1.492	2.3184	-0.7941	3.0163
1297	85.4	84.8	1.2365	0.7501	0.5979	2.5845	1.464	2.3741	-0.8224	3.0157
1298	85.7	84.8	1.2387	0.7473	0.5931	2.5791	1.5339	2.3501	-0.8268	3.0572
1299	85.4	84.9	1.2425	0.7476	0.5881	2.5783	1.5226	2.334	-0.8268	3.0298
1300	86	84.6	1.2402	0.7478	0.5876	2.5756	1.5199	2.3267	-0.8249	3.0217
1301	86.3	84.5	1.2385	0.7468	0.5884	2.5737	1.5217	2.3185	-0.8413	2.9989
1302	83.2	84.4	1.2388	0.746	0.5855	2.5703	1.4855	2.343	-0.8641	2.9643
1303	84.5	84.2	1.2382	0.7457	0.5851	2.5691	1.443	2.3592	-0.8644	2.9378
1304	87.2	84.4	1.2353	0.7439	0.588	2.5672	1.5618	2.2279	-0.8621	2.9277
1305	85.9	84.6	1.2368	0.74	0.5875	2.5643	1.4216	2.2785	-0.7634	2.9366
1306	86.4	84.6	1.2372	0.7359	0.5874	2.5605	1.3975	2.3206	-0.7922	2.926
1307	83	84.6	1.2353	0.7331	0.5894	2.5578	1.4134	2.337	-0.8461	2.9043
1308	84.4	84.5	1.2371	0.7309	0.5859	2.5539	1.3899	2.4038	-0.8447	2.949
1309	78.2	84.4	1.2452	0.7271	0.5798	2.5521	1.4085	2.3997	-0.8517	2.9565
1310	81.9	84.4	1.2456	0.7269	0.5773	2.5498	1.3295	2.449	-0.8356	2.943
1311	82.5	84.4	1.2458	0.7272	0.5746	2.5476	1.2638	2.4915	-0.8309	2.9244
1312	82.5	84.2	1.2451	0.7262	0.5748	2.5462	1.2087	2.5022	-0.8137	2.8972
1313	84.9	83.9	1.2444	0.7244	0.5753	2.5442	1.2178	2.4879	-0.7935	2.9122
1314	86.7	83.5	1.2441	0.7221	0.5743	2.5405	1.2496	2.4439	-0.764	2.9294
1315	87	83.3	1.2433	0.7195	0.5747	2.5375	1.2178	2.4368	-0.7431	2.9115
1316	86.5	82.9	1.2433	0.715	0.5762	2.5345	1.2575	2.4236	-0.7808	2.9003
1317	83.6	82.8	1.2389	0.7132	0.5784	2.5305	1.2613	2.4413	-0.7996	2.903
1318	83.4	82.8	1.2359	0.7119	0.5793	2.527	1.2783	2.4373	-0.8124	2.9032
1319	85.7	82.9	1.2347	0.7111	0.5804	2.5262	1.268	2.4368	-0.8192	2.8856
1320	86.2	82.7	1.2295	0.7105	0.5825	2.5224	1.263	2.4321	-0.845	2.8501
1321	79	82.7	1.2257	0.7128	0.5801	2.5186	1.2993	2.3922	-0.8507	2.8408
1322	79.4	82.6	1.2285	0.7099	0.577	2.5154	1.2622	2.4006	-0.8075	2.8553
1323	79.9	82.5	1.2314	0.707	0.5754	2.5138	1.1776	2.3601	-0.6959	2.8418

1324	80.8	82.3	1.2308	0.7041	0.5739	2.5087	1.0876	2.2675	-0.5015	2.8536
1325	80.4	82.3	1.2274	0.7015	0.5756	2.5046	1.0289	2.2258	-0.4158	2.8389
1326	80.5	82	1.2238	0.7023	0.5783	2.5044	1.0878	2.1852	-0.4344	2.8386
1327	83.3	81.8	1.2231	0.7012	0.5794	2.5037	1.1152	2.1712	-0.4431	2.8433
1328	80.6	81.5	1.2215	0.7008	0.5801	2.5024	1.155	2.1097	-0.4474	2.8173
1329	78.4	81	1.2206	0.7006	0.5795	2.5007	1.2312	2.0217	-0.4515	2.8014
1330	81.8	80.6	1.2188	0.6985	0.5799	2.4971	1.2678	1.997	-0.4459	2.8189
1331	81.6	80.6	1.2163	0.6984	0.5791	2.4938	1.2912	1.9825	-0.4514	2.8223
1332	83.3	80.5	1.216	0.6959	0.5788	2.4907	1.3227	1.9637	-0.4691	2.8174
1333	82.4	80.4	1.221	0.6897	0.5776	2.4883	1.3755	1.9053	-0.46	2.8209
1334	86.8	80.2	1.2152	0.6898	0.5769	2.4819	1.4712	1.7922	-0.4611	2.8022
1335	80.2	80	1.2116	0.6891	0.5776	2.4783	1.4135	1.7979	-0.4556	2.7558
1336	81.4	79.6	1.2086	0.6885	0.5804	2.4776	1.4047	1.6423	-0.2894	2.7576
1337	77.8	79.2	1.2074	0.6864	0.5806	2.4744	1.4312	1.6466	-0.2899	2.788
1338	75.6	78.9	1.2088	0.6839	0.5802	2.473	1.2759	1.6003	0.3062	3.1825
1339	78.5	78.6	1.2106	0.6818	0.5795	2.4718	0.7494	1.5636	1.0869	3.3998
1340	78.7	78.5	1.2125	0.6795	0.5778	2.4698	0.4595	1.5864	0.6398	2.6857
1341	77.5	78.3	1.2123	0.6786	0.5774	2.4682	0.4502	1.5975	0.6398	2.6875
1342	77.3	78	1.2094	0.679	0.5769	2.4654	0.3773	1.6225	0.6565	2.6564
1343	77.8	77.9	1.208	0.6769	0.5769	2.4618	0.3786	1.636	0.6216	2.6362
1344	75.8	77.5	1.207	0.6743	0.5773	2.4586	0.3765	1.6312	0.6617	2.6695
1345	72.9	77.4	1.2043	0.6739	0.5779	2.456	0.3569	1.6354	0.653	2.6453
1346	75.7	77.5	1.202	0.6713	0.5797	2.453	0.2674	1.6407	0.7222	2.6302
1347	75.2	77.8	1.2004	0.6681	0.5791	2.4476	0.3143	1.6385	0.6585	2.6113
1348	73.8	78	1.201	0.6669	0.5781	2.446	0.3813	1.5671	0.6175	2.5659
1349	79.2	78	1.2012	0.6662	0.5765	2.444	0.4081	1.5474	0.57	2.5255
1350	77.3	78.2	1.2022	0.6648	0.5751	2.4421	0.4557	1.5593	0.531	2.5461
1351	78.9	78.2	1.2044	0.6614	0.5743	2.4401	0.4477	1.5861	0.5218	2.5556
1352	79.3	78.1	1.2059	0.6603	0.5732	2.4395	0.43	1.5954	0.5332	2.5585
1353	79.5	77.7	1.2059	0.6585	0.5733	2.4378	0.4559	1.6057	0.5023	2.5638
1354	78.2	77.7	1.2126	0.6477	0.5733	2.4336	0.4597	1.6241	0.4966	2.5803
1355	83.8	77.9	1.2161	0.6441	0.5718	2.432	0.4292	1.6252	0.5305	2.5849
1356	83.5	78	1.2159	0.6424	0.571	2.4293	0.4435	1.5947	0.5327	2.5709
1357	79.8	78.2	1.2138	0.6385	0.5703	2.4227	0.4544	1.5603	0.527	2.5417
1358	78	78.4	1.2137	0.6367	0.5698	2.4202	0.4438	1.5466	0.5473	2.5377
1359	82	78.3	1.2146	0.6344	0.5695	2.4185	0.4679	1.5333	0.5172	2.5185
1360	78	78.2	1.2148	0.6328	0.5689	2.4166	0.6483	1.4895	0.3951	2.5329

1361	74.4	77.9	1.2127	0.6326	0.569	2.4143	0.6656	1.5036	0.3672	2.5364
1362	71.7	77.5	1.2083	0.6336	0.5698	2.4116	0.6734	1.5156	0.3494	2.5384
1363	75.2	77.2	1.2042	0.6352	0.569	2.4083	0.6601	1.5198	0.3585	2.5384
1364	76.6	77	1.204	0.6345	0.5686	2.4071	0.6662	1.5107	0.3663	2.5432
1365	77.1	76.5	1.201	0.6338	0.5688	2.4036	0.6719	1.5043	0.362	2.5383
1366	78.7	76	1.1983	0.6318	0.5695	2.3997	0.6753	1.493	0.3661	2.5345
1367	78.5	75.7	1.1967	0.6303	0.5698	2.3968	0.6776	1.4672	0.3789	2.5238
1368	76.9	75.6	1.1948	0.6303	0.57	2.3951	0.6276	1.4644	0.4061	2.4982
1369	76	75.3	1.1945	0.6291	0.571	2.3946	0.605	1.4637	0.4197	2.4883
1370	72.9	75	1.195	0.6269	0.5701	2.3921	0.6012	1.4683	0.4373	2.5068
1371	71.3	75.1	1.1955	0.6256	0.5657	2.3868	0.5693	1.4741	0.453	2.4965
1372	75.2	75.2	1.2015	0.6256	0.5577	2.3848	0.557	1.5059	0.4197	2.4826
1373	73.9	75.2	1.2171	0.6242	0.5398	2.381	0.602	1.4982	0.3843	2.4845
1374	74.8	75.1	1.2251	0.6234	0.5327	2.3811	0.6424	1.4805	0.3742	2.4971
1375	73.6	74.8	1.2229	0.6218	0.5335	2.3782	0.6272	1.455	0.3766	2.4588
1376	72.8	74.7	1.2199	0.6195	0.5351	2.3745	0.5976	1.4538	0.3864	2.4378
1377	76.7	74.4	1.22	0.6173	0.5346	2.372	0.58	1.4623	0.4116	2.4538
1378	75.7	74.2	1.2205	0.616	0.5334	2.3698	0.5949	1.4717	0.4212	2.4878
1379	73.6	74.2	1.2197	0.6148	0.5333	2.3678	0.5972	1.4784	0.4254	2.501
1380	74.7	74.5	1.2195	0.613	0.5341	2.3666	0.5922	1.4878	0.4199	2.4999
1381	75.2	74.9	1.2183	0.612	0.5341	2.3645	0.5818	1.4837	0.4291	2.4947
1382	75.4	75	1.2183	0.6099	0.5327	2.3609	0.5663	1.4952	0.4233	2.4848
1383	73.2	75.3	1.216	0.6092	0.5317	2.3569	0.5699	1.479	0.4222	2.471
1384	72.3	75.4	1.2149	0.6078	0.5323	2.3551	0.6288	1.4475	0.4172	2.4935
1385	76	75.6	1.2137	0.6062	0.5314	2.3513	0.5812	1.4601	0.4155	2.4567
1386	74.3	75.9	1.2123	0.6049	0.5313	2.3486	0.5464	1.4513	0.4312	2.4289
1387	72.4	76.1	1.2109	0.6048	0.5315	2.3472	0.5671	1.4527	0.4079	2.4278
1388	75.8	76.1	1.2105	0.6041	0.5315	2.3461	0.562	1.4544	0.4105	2.4269
1389	78.7	76.2	1.2081	0.6032	0.532	2.3433	0.5878	1.4335	0.4245	2.4458
1390	78.4	76.2	1.2062	0.6021	0.5324	2.3407	0.634	1.4208	0.4005	2.4552
1391	77.8	76.3	1.2065	0.601	0.5318	2.3393	0.7459	1.4112	0.2601	2.4173
1392	79	76.2	1.2072	0.6005	0.5308	2.3384	0.7412	1.4187	0.297	2.4568
1393	77.2	76.4	1.2037	0.5992	0.5304	2.3334	0.7319	1.4334	0.2634	2.4288
1394	77.1	76.6	1.2	0.597	0.5346	2.3315	0.7667	1.4319	0.2127	2.4113
1395	77.9	76.7	1.198	0.5956	0.5358	2.3294	0.7676	1.4223	0.2246	2.4145
1396	80.9	76.8	1.1982	0.5946	0.5356	2.3284	0.7463	1.4304	0.249	2.4257
1397	76.8	76.7	1.1984	0.5934	0.5361	2.3279	0.7292	1.4127	0.278	2.4199

1398	74.5	76.7	1.1978	0.5926	0.5361	2.3265	0.7272	1.3933	0.2776	2.3982
1399	75.7	76.5	1.197	0.5917	0.535	2.3237	0.7119	1.3955	0.2748	2.3822
1400	76.4	76.2	1.1954	0.5892	0.5355	2.32	0.6991	1.3955	0.2658	2.3604
1401	74	76	1.1955	0.5873	0.5351	2.3179	0.711	1.3924	0.2523	2.3557
1402	76.8	75.7	1.1932	0.5854	0.5353	2.3139	0.7356	1.3704	0.2579	2.3639
1403	76.5	75.2	1.1922	0.5833	0.5355	2.311	0.7619	1.3579	0.249	2.3687
1404	78.2	75	1.1924	0.5813	0.5349	2.3087	0.7726	1.3445	0.2534	2.3705
1405	74.7	74.6	1.1924	0.5805	0.5342	2.3072	0.8679	1.2478	0.2514	2.3672
1406	71.6	74	1.1918	0.5798	0.5347	2.3063	0.9141	1.2233	0.2365	2.3739
1407	74.5	73.8	1.1909	0.5784	0.5347	2.304	0.9246	1.2148	0.2339	2.3732
1408	76.5	73.7	1.1903	0.5776	0.5342	2.302	0.9173	1.1889	0.2354	2.3417
1409	71.4	73.5	1.1804	0.5782	0.5403	2.2989	0.9297	1.1845	0.2302	2.3444
1410	73.8	73.2	1.1791	0.5765	0.5406	2.2962	0.9446	1.1693	0.2254	2.3393
1411	74	72.9	1.1785	0.5756	0.5397	2.2938	0.9598	1.1648	0.211	2.3356
1412	68.3	72.7	1.1791	0.5742	0.539	2.2923	0.9334	1.1731	0.2172	2.3236
1413	72.1	72.5	1.1778	0.5733	0.5387	2.2899	0.8874	1.1965	0.2274	2.3114
1414	71.2	72.3	1.1769	0.5716	0.5381	2.2867	0.8556	1.2305	0.2031	2.2892
1415	69.8	72.2	1.1758	0.5702	0.5381	2.284	0.9111	1.2153	0.1638	2.2902
1416	72.3	72.2	1.1756	0.5683	0.5383	2.2822	2.091	0.9397	-0.9721	2.0586
1417	72.2	72.2	1.1761	0.5668	0.5378	2.2807	3.1318	0.9931	-1.6647	2.4602
1418	72.5	71.9	1.1754	0.5656	0.5373	2.2782	3.1604	0.9809	-1.72	2.4213
1419	70.5	72.1	1.1745	0.5643	0.5367	2.2755	3.3748	0.9905	-1.9708	2.3945
1420	69.1	72	1.1726	0.563	0.5372	2.2728	3.5411	0.9972	-2.1184	2.4198
1421	71.7	71.9	1.17	0.5622	0.5381	2.2704	3.6256	0.9882	-2.1954	2.4183
1422	72.8	72.1	1.1683	0.5601	0.5385	2.2669	3.6809	0.9879	-2.2808	2.3881
1423	74.9	72.1	1.1672	0.559	0.538	2.2641	3.756	0.9961	-2.3727	2.3794
1424	72.4	72.1	1.1681	0.5586	0.5362	2.2629	3.9089	0.9939	-2.5415	2.3613
1425	72.4	72.3	1.1677	0.5561	0.537	2.2608	3.8862	1.0109	-2.5084	2.3887
1426	73.3	72.5	1.1658	0.556	0.5371	2.259	3.7847	1.0085	-2.4087	2.3844
1427	72.3	72.6	1.1636	0.554	0.5373	2.2549	3.5916	0.9992	-2.2343	2.3565
1428	73.7	72.5	1.1618	0.5529	0.5376	2.2523	3.757	1.0015	-2.4156	2.3428
1429	73.1	72.6	1.1614	0.5518	0.5375	2.2507	3.6925	1.0223	-2.3429	2.3718
1430	71.9	72.8	1.1606	0.5501	0.537	2.2477	3.6454	1.0045	-2.2904	2.3595
1431	71.2	73.1	1.1597	0.5489	0.5367	2.2453	3.6587	1.0044	-2.2601	2.4031
1432	72.5	73.1	1.159	0.548	0.5366	2.2436	4.7356	1.0296	-1.5904	4.1748
1433	71.1	73.1	1.1581	0.545	0.5359	2.2389	4.7278	1.0154	-1.5919	4.1512
1434	73.6	73.1	1.1571	0.5437	0.5354	2.2362	4.7199	0.9851	-1.5837	4.1213

1435	76.9	72.9	1.157	0.544	0.5344	2.2354	4.768	0.9795	-1.5756	4.172
1436	74.1	72.7	1.1519	0.5433	0.5396	2.2348	4.7694	0.9544	-1.5747	4.1492
1437	71.1	72.6	1.1512	0.541	0.5396	2.2318	4.771	0.9461	-1.5475	4.1695
1438	71.8	72.3	1.1501	0.5406	0.5378	2.2284	4.7645	0.9313	-1.5108	4.185
1439	72.6	72.2	1.1472	0.5397	0.5394	2.2263	4.7819	1.0277	-1.5995	4.2101
1440	76.9	72	1.1379	0.5384	0.5518	2.2281	4.7656	1.0746	-1.6386	4.2015
1441	72.7	72.3	1.1382	0.5367	0.5477	2.2226	4.7448	1.0601	-1.6343	4.1706
1442	75.6	72.6	1.1362	0.5357	0.5506	2.2225	4.7423	1.0578	-1.6249	4.1752
1443	72.9	72.8	1.1313	0.5337	0.5556	2.2207	4.7475	1.0606	-1.6326	4.1755
1444	68.8	72.9	1.1303	0.532	0.5549	2.2172	4.7111	1.0421	-1.6219	4.1313
1445	68.9	72.7	1.1296	0.5309	0.553	2.2135	4.6848	1.0398	-1.6049	4.1197
1446	69.7	72.6	1.1291	0.53	0.5519	2.211	4.6918	1.0322	-1.5959	4.1281
1447	67.9	72.5	1.1277	0.5288	0.5513	2.2078	4.7142	1.0278	-1.5949	4.1471
1448	71.2	72.5	1.1298	0.5273	0.5506	2.2078	4.7346	1.0005	-1.5754	4.1596
1449	69.3	72.4	1.1313	0.5266	0.55	2.2079	4.7233	1.0066	-1.5773	4.1526
1450	76.6	72	1.1311	0.5255	0.5499	2.2065	4.726	1.0116	-1.594	4.1436
1451	77.6	71.7	1.1308	0.5244	0.5485	2.2037	4.7784	0.9671	-1.5942	4.1514
1452	75	71.4	1.1297	0.5246	0.5483	2.2026	4.8135	0.9433	-1.5965	4.1603
1453	75.3	71.2	1.1286	0.5241	0.548	2.2007	4.7924	0.9609	-1.5915	4.1618
1454	73.2	71.6	1.1258	0.523	0.5481	2.1969	4.7934	0.9443	-1.6089	4.1288
1455	72.2	71.6	1.1247	0.5218	0.5481	2.1946	4.7723	1.0254	-1.7017	4.096
1456	69.9	71.8	1.1234	0.5209	0.5476	2.1919	4.7735	1.0354	-1.7106	4.0983
1457	70.5	72	1.1221	0.5196	0.5468	2.1885	4.78	1.0338	-1.6953	4.1185
1458	70.9	72	1.1207	0.5182	0.5468	2.1857	4.7676	1.024	-1.6984	4.0931
1459	69.3	72.3	1.1201	0.5175	0.547	2.1846	4.7859	1.0186	-1.701	4.1035
1460	67.8	72.2	1.1188	0.5163	0.5478	2.183	4.714	1.0224	-1.6288	4.1076
1461	68.6	72	1.1194	0.5152	0.5473	2.1819	4.7367	1.0029	-1.6214	4.1182
1462	70.8	71.8	1.1195	0.5139	0.547	2.1804	4.7596	0.9813	-1.6268	4.1141
1463	76	71.5	1.1186	0.5121	0.5487	2.1794	4.8079	0.9638	-1.6218	4.1499
1464	68.8	71.4	1.1129	0.513	0.5522	2.1781	4.8384	0.9566	-1.6227	4.1723
1465	72.6	71.4	0.9919	0.5398	0.666	2.1977	4.8586	0.9489	-1.6201	4.1873
1466	72.9	71.4	0.8852	0.5325	0.736	2.1537	4.8582	0.9307	-1.618	4.1709
1467	71.2	71.7	0.8806	0.5322	0.7418	2.1546	4.8168	0.9356	-1.6135	4.1389
1468	75.1	71.7	0.8573	0.5312	0.7671	2.1557	4.7889	0.9447	-1.6087	4.1249
1469	74.6	71.8	0.8404	0.5294	0.7828	2.1526	4.7347	0.975	-1.6002	4.1095
1470	73.5	72	0.8324	0.5281	0.7897	2.1502	4.7411	1.039	-1.6494	4.1308
1471	71.2	71.9	0.8274	0.5268	0.7938	2.148	4.704	1.0829	-1.6425	4.1443

1472	69.5	71.7	0.8259	0.526	0.795	2.1469	4.7076	1.0934	-1.6364	4.1645
1473	70.8	71.4	0.8262	0.5248	0.7939	2.1449	4.6957	1.1044	-1.6489	4.1511
1474	72.1	71.6	0.8364	0.5223	0.7836	2.1423	4.7114	1.0647	-1.6407	4.1355
1475	70.1	71.5	0.8444	0.5209	0.7744	2.1397	4.7534	1.045	-1.639	4.1595
1476	76.4	71.3	0.8608	0.5196	0.7585	2.1388	4.7872	1.0019	-1.6185	4.1706
1477	71.7	71.3	0.8443	0.5172	0.7762	2.1377	4.8041	0.9823	-1.6234	4.1631
1478	69.7	71	0.8513	0.5137	0.7677	2.1326	4.7813	0.9871	-1.6274	4.1411
1479	71.6	70.7	0.8552	0.5143	0.7623	2.1319	4.7587	0.9939	-1.615	4.1376
1480	67.9	70.8	0.8536	0.5126	0.7601	2.1263	4.7577	0.9884	-1.6139	4.1321
1481	67.3	70.9	0.7448	0.5091	0.6932	1.947	4.7518	0.9791	-1.6218	4.1092
1482	69.5	71	0.7455	0.5083	0.6919	1.9457	4.7478	0.9733	-1.6207	4.1003
1483	71.9	71.2	0.744	0.5107	0.6901	1.9448	4.7702	0.9621	-1.62	4.1123
1484	71.3	71.5	0.7381	0.5099	0.6899	1.9379	4.7737	0.9615	-1.6287	4.1065
1485	69.8	71.7	0.7368	0.5108	0.6889	1.9364	4.7796	0.9612	-1.6262	4.1146
1486	70.4	71.9	0.7352	0.5103	0.6861	1.9316	4.7872	0.9732	-1.6355	4.1249
1487	69	72.1	0.7345	0.5117	0.6826	1.9287	4.7142	0.9893	-1.5827	4.1209
1488	69.3	72.2	0.7324	0.5013	0.6914	1.9251	4.8855	0.975	-1.8466	4.0139
1489	74.9	72.3	0.7316	0.4957	0.6958	1.9232	8.2558	0.9565	-6.3819	2.8304
1490	73.9	72.5	0.7317	0.4961	0.6958	1.9236	9.3422	1.1698	-6.432	4.0801
1491	71.2	72.7	0.7323	0.4953	0.6943	1.9218	9.2041	1.1477	-6.2344	4.1175
1492	74.3	72.7	0.7324	0.4944	0.6941	1.9209	9.1984	1.1267	-6.2597	4.0654
1493	77.4	72.6	0.7326	0.495	0.6926	1.9203	9.1709	1.1285	-6.2144	4.085
1494	75.2	72.6	0.7315	0.493	0.695	1.9196	9.0735	1.133	-6.0914	4.115
1495	79.6	72.8	0.7288	0.4924	0.6954	1.9166	9.0051	1.128	-6.0164	4.1166
1496	75.9	73.2	0.7268	0.4918	0.6951	1.9136	8.9589	1.1229	-5.9834	4.0984
1497	72	73.5	0.7249	0.4933	0.6936	1.9119	9.0203	1.1222	-6.0579	4.0846
1498	72.8	73.7	0.7255	0.4919	0.6938	1.9112	9.043	1.1237	-6.0959	4.0708
1499	71.7	73.7	0.7244	0.4905	0.6944	1.9093	9.0779	1.1082	-6.0975	4.0886
1500	71	73.7	0.7176	0.4924	0.6949	1.9049	9.1756	1.1108	-6.1624	4.1239
1501	70.3	73.7	0.7141	0.493	0.6947	1.9018	9.193	1.1301	-6.1907	4.1324
1502	69.6	73.8	0.714	0.4893	0.6944	1.8978	9.1892	1.1183	-6.1756	4.1319
1503	71.8	73.6	0.7129	0.4889	0.6964	1.8982	9.2827	1.123	-6.255	4.1507
1504	73.4	73.4	0.7152	0.4788	0.7051	1.8991	9.3923	1.1241	-6.3396	4.1768
1505	76.9	73	0.7151	0.477	0.7053	1.8974	9.2576	1.1106	-6.2631	4.105
1506	76.3	72.9	0.7138	0.4765	0.7042	1.8944	9.0684	1.114	-6.0496	4.1328
1507	72.6	73	0.7142	0.476	0.7045	1.8947	8.8503	1.1382	-5.8646	4.1238
1508	75	73	0.7117	0.4757	0.7043	1.8917	8.7111	1.1487	-5.7141	4.1457

1509	73	73.3	0.709	0.4759	0.7032	1.8881	8.5213	1.1511	-5.5546	4.1178
1510	72.4	73.4	0.7054	0.4762	0.7027	1.8843	8.3612	1.1605	-5.413	4.1087
1511	75.3	73.4	0.7025	0.4775	0.7024	1.8824	8.285	1.1667	-5.3259	4.1259
1512	73.7	73.7	0.6983	0.4779	0.7012	1.8773	8.3042	1.1778	-5.3408	4.1411
1513	71.8	73.9	0.694	0.4777	0.701	1.8726	8.3535	1.18	-5.3868	4.1468
1514	71.8	74	0.6911	0.4768	0.7001	1.868	8.384	1.1635	-5.3814	4.166
1515	73.4	73.9	0.69	0.4771	0.6999	1.867	8.3925	1.2	-5.4215	4.171
1516	73.5	73.8	0.6939	0.4747	0.6996	1.8683	7.1545	1.4818	-4.241	4.3953
1517	74	73.9	0.6973	0.4723	0.6986	1.8682	6.0793	1.4211	-3.522	3.9784
1518	76.6	73.8	0.7019	0.4681	0.6973	1.8673	5.93	1.4306	-3.3438	4.0168
1519	73.5	73.7	0.7004	0.4604	0.7016	1.8625	5.6883	1.4336	-3.0624	4.0595
1520	70.5	73.8	0.7022	0.4548	0.7014	1.8583	5.4988	1.4272	-2.8695	4.0564
1521	75.6	73.7	0.6993	0.4529	0.7018	1.8539	5.2969	1.4235	-2.6687	4.0517
1522	74.9	73.4	0.6987	0.4497	0.7034	1.8518	5.2368	1.4234	-2.5999	4.0603
1523	75.7	73.2	0.696	0.4525	0.702	1.8506	5.1591	1.4195	-2.5276	4.0509
1524	73.7	73.1	0.6927	0.4541	0.7001	1.8469	4.9944	1.4164	-2.3901	4.0208
1525	75.2	72.9	0.6889	0.4559	0.6989	1.8437	4.7815	1.4043	-2.2335	3.9523
1526	74	72.7	0.6854	0.4578	0.6995	1.8427	4.6272	1.3996	-2.0663	3.9605
1527	73.6	72.6	0.6855	0.4553	0.7	1.8408	4.7261	1.3916	-2.137	3.9806
1528	71.7	72.3	0.6859	0.4535	0.6991	1.8385	4.6949	1.3766	-2.0861	3.9855
1529	73.2	72.2	0.6856	0.453	0.6989	1.8375	4.9271	1.3556	-2.3225	3.9601
1530	73.2	72.3	0.6854	0.4522	0.6991	1.8368	4.3706	1.3643	-1.7873	3.9476
1531	68.5	72.1	0.6849	0.4515	0.6988	1.8353	4.581	1.3527	-1.9957	3.938
1532	68.9	71.9	0.682	0.4518	0.6986	1.8324	3.6645	1.3295	-2.8227	2.1712
1533	69.7	71.7	0.6807	0.4488	0.6987	1.8283	3.7946	1.339	-2.9557	2.178
1534	68.9	71.6	0.6792	0.4476	0.698	1.8248	3.8877	1.3668	-3.0398	2.2147
1535	69.5	71.4	0.6783	0.4467	0.698	1.8229	3.7293	1.3828	-2.9158	2.1964
1536	72.3	71.2	0.6805	0.4443	0.6979	1.8227	3.9389	1.399	-3.1357	2.2023
1537	71.3	71	0.6626	0.4435	0.7242	1.8304	4.1892	1.3935	-3.4105	2.1721
1538	71.3	70.8	0.3245	0.4449	1.176	1.9454	4.3943	1.3954	-3.6381	2.1516
1539	72	70.8	0.2129	0.4227	1.1826	1.8183	4.5302	1.2885	-3.6873	2.1314
1540	72.1	70.7	0.2175	0.4236	1.1752	1.8163	4.5871	1.2481	-3.7401	2.0951
1541	71.7	70.8	0.2183	0.424	1.1736	1.816	4.6421	1.2734	-3.8485	2.067
1542	72	71	0.2191	0.4229	1.172	1.814	4.7891	1.2917	-3.9731	2.1077
1543	72	71.1	0.224	0.4204	1.1647	1.8092	4.592	1.2853	-3.7896	2.0877
1544	71.1	71.1	0.2297	0.4192	1.1565	1.8055	4.6421	1.2802	-3.8545	2.0678
1545	68.7	71.1	0.2337	0.4186	1.1513	1.8036	4.703	1.2718	-3.8797	2.0951

1546	70.1	70.9	0.227	0.4178	1.1577	1.8025	4.712	1.2972	-3.8922	2.1171
1547	69.1	71	0.2234	0.4164	1.1609	1.8007	4.6986	1.3046	-3.9023	2.1009
1548	72.2	71	0.222	0.4165	1.1604	1.7989	4.6951	1.3296	-3.9197	2.105
1549	71.2	70.8	0.2137	0.4156	1.1662	1.7955	4.6895	1.3342	-3.8995	2.1241
1550	70.7	70.8	0.2118	0.4125	1.169	1.7933	4.7288	1.3305	-3.9317	2.1276
1551	72.6	70.9	0.2119	0.4126	1.1661	1.7905	4.6751	1.3613	-3.9026	2.1337
1552	71.5	71	0.2015	0.4123	1.1738	1.7876	4.5443	1.3778	-3.7987	2.1234
1553	69.9	71	0.1894	0.4117	1.182	1.783	4.4996	1.3506	-3.7574	2.0929
1554	69.6	71.2	0.2	0.4119	1.1745	1.7864	4.5141	1.3521	-3.7276	2.1385
1555	68.6	71.2	0.2179	0.4104	1.1531	1.7813	4.5594	1.2468	-3.6188	2.1874
1556	72.8	71.1	0.2384	0.4071	1.134	1.7796	4.5694	1.2456	-3.6232	2.1917
1557	71.7	71.3	0.251	0.4048	1.1182	1.774	4.5351	1.2168	-3.6151	2.1367
1558	68.2	71.3	0.2686	0.4031	1.1022	1.774	4.4184	1.2216	-3.4641	2.1759
1559	71.7	71.5	0.284	0.4015	1.0883	1.7737	4.3871	1.225	-3.4609	2.1512
1560	74.4	71.6	0.2903	0.3997	1.0804	1.7704	4.3361	1.2499	-3.4282	2.1578
1561	72.6	71.6	0.289	0.3975	1.0814	1.7678	4.2615	1.2772	-3.4185	2.1201
1562	71.5	71.6	0.2842	0.3959	1.0857	1.7658	4.1962	1.3104	-3.4014	2.1052
1563	74.9	71.6	0.2802	0.3958	1.0868	1.7628	4.0913	1.3291	-3.3458	2.0746
1564	69.3	71.6	0.2737	0.393	1.0943	1.761	3.9337	1.3459	-3.2568	2.0228
1565	68.9	71.7	0.2765	0.3916	1.0901	1.7582	3.8507	1.3509	-3.2044	1.9972
1566	72.3	71.5	0.2772	0.3904	1.0882	1.7558	3.7856	1.3702	-3.1291	2.0267
1567	72.6	71.5	0.2876	0.3892	1.0762	1.7529	3.7221	1.356	-3.0014	2.0767
1568	73.7	71.5	0.2885	0.3879	1.0734	1.7497	3.5647	1.3405	-2.8303	2.0749
1569	72.6	71.6	0.2905	0.3867	1.0698	1.747	3.4201	1.3114	-2.653	2.0785
1570	72.5	71.5	0.3027	0.3858	1.0565	1.7451	3.3443	1.2476	-2.531	2.061
1571	71.5	71.4	0.3037	0.3845	1.0538	1.742	3.0651	1.2038	-2.3444	1.9245
1572	70.3	71.2	0.31	0.3841	1.0478	1.7418	3.3643	1.1879	-2.6124	1.9398
1573	70.9	71.1	0.3268	0.3831	1.0329	1.7428	3.5565	1.1611	-2.7391	1.9784
1574	69.9	71.1	0.3583	0.3818	1.0069	1.747	3.477	1.2015	-2.6935	1.985
1575	68.9	71.2	0.3817	0.381	0.981	1.7437	3.3672	1.23	-2.6386	1.9585
1576	70.8	71.3	0.3882	0.3804	0.9722	1.7408	3.2512	1.2595	-2.5708	1.9399
1577	69.5	71.4	0.3748	0.3795	0.9848	1.7391	3.118	1.2713	-2.4369	1.9524
1578	72.5	71.2	0.3585	0.3782	0.9999	1.7366	3.1146	1.2508	-2.4114	1.954
1579	73.6	71	0.4181	0.3779	0.9411	1.7371	3.0843	1.2402	-2.3697	1.9549
1580	70.4	70.8	0.3955	0.3773	0.9597	1.7325	3.0611	1.2356	-2.355	1.9416
1581	68	70.5	0.3783	0.3761	0.9754	1.7299	3.0018	1.2341	-2.289	1.9469
1582	72.4	70.3	0.366	0.3744	0.9875	1.7279	2.9609	1.2382	-2.2421	1.9571

1583	69.5	70	0.3552	0.374	0.9941	1.7233	2.9306	1.2586	-2.2351	1.9541
1584	69.9	69.9	0.3652	0.3716	0.9815	1.7182	2.8995	1.2393	-2.1992	1.9396
1585	75.9	69.9	0.3429	0.3709	1.0024	1.7162	2.8017	1.2335	-2.1321	1.903
1586	73.4	69.6	0.3163	0.371	1.0272	1.7144	2.6552	1.2308	-1.9865	1.8995
1587	70.5	69.5	0.2951	0.3722	1.0464	1.7136	2.6478	1.218	-1.951	1.9148
1588	68.4	69.1	0.2793	0.3725	1.0602	1.712	2.4296	1.206	-1.6515	1.984
1589	68.3	68.7	0.2729	0.3709	1.0698	1.7137	-1.014	1.2165	2.9561	3.1585
1590	67.3	68.6	0.2675	0.3688	1.0807	1.7169	-2.1337	0.9996	3.0301	1.8961
1591	65.2	68.6	0.2534	0.3661	1.0916	1.7111	-2.1402	0.9958	3.0005	1.8561
1592	65.7	68.3	0.2732	0.3659	1.073	1.7121	-2.19	1.0039	3.0619	1.8758
1593	67.3	68.2	0.2684	0.367	1.0781	1.7135	-2.2085	1.03	3.0872	1.9088
1594	69	68	0.2612	0.3658	1.083	1.71	-2.119	1.0091	2.9898	1.8799
1595	65.2	67.4	0.2576	0.3627	1.0846	1.7049	-1.991	1.0039	2.84	1.853
1596	68.3	67.1	0.2569	0.3613	1.0853	1.7036	-1.9354	1.0027	2.7667	1.8339
1597	64.1	67	0.2554	0.3604	1.0856	1.7014	-2.0934	1.0041	2.9203	1.831
1598	66.1	66.9	0.2566	0.3585	1.0838	1.6988	-2.201	1.0064	3.0372	1.8426
1599	68.4	67	0.2515	0.3575	1.0876	1.6966	-2.197	1.0205	3.0399	1.8633
1600	68.9	66.9	0.2501	0.3563	1.0851	1.6915	-2.2371	1.0169	3.043	1.8228
1601	67.2	67	0.2597	0.3552	1.0746	1.6895	-2.3041	1.0072	3.1044	1.8075
1602	67.3	67	0.264	0.3543	1.0702	1.6885	-2.3513	1.0093	3.1176	1.7755
1603	66.1	66.8	0.2615	0.3537	1.0691	1.6843	-2.4537	1.0113	3.2387	1.7964
1604	64.7	66.6	0.2592	0.3541	1.067	1.6803	-2.6238	1.0351	3.3233	1.7346
1605	67.4	66.7	0.2582	0.3524	1.0676	1.6782	-2.6164	1.1738	3.2174	1.7748
1606	68.8	66.5	0.2603	0.3548	1.0657	1.6808	-2.4196	1.1825	2.9846	1.7476
1607	66.3	66.6	0.2723	0.3539	1.0509	1.6771	-2.2702	1.1494	2.85	1.7293
1608	69.2	66.6	0.273	0.3532	1.0504	1.6765	-2.1855	1.1443	2.7405	1.6993
1609	66.2	66.3	0.2754	0.3509	1.046	1.6723	-2.051	1.134	2.6389	1.7219
1610	67.1	66.1	0.2792	0.3485	1.0446	1.6723	-1.9635	1.1185	2.5868	1.7418
1611	65.2	65.8	0.2829	0.3464	1.0425	1.6719	-1.9019	1.108	2.5106	1.7168
1612	64.2	65.7	0.2892	0.345	1.0357	1.6699	-1.9096	1.0868	2.5235	1.7007
1613	65.5	65.7	0.3006	0.3431	1.0267	1.6704	-1.979	1.0612	2.5879	1.6701
1614	65.8	65.5	0.306	0.3417	1.0206	1.6683	-2.0623	1.0644	2.6519	1.654
1615	65.6	65.2	0.3114	0.3401	1.0128	1.6643	-2.1601	1.0497	2.7656	1.6552
1616	65.8	64.8	0.3217	0.3391	0.9998	1.6606	-2.1729	1.0588	2.7582	1.644
1617	65.6	64.8	0.3408	0.3383	0.9817	1.6607	-2.2486	1.0503	2.8129	1.6145
1618	62.3	64.6	0.3599	0.3369	0.9626	1.6594	-2.099	1.047	2.6705	1.6185
1619	64.9	64.3	0.366	0.3356	0.9547	1.6564	-2.0907	1.0494	2.6367	1.5954

1620	62.7	64	0.3957	0.3344	0.9358	1.6659	-1.8837	1.0604	2.4349	1.6116
1621	65.3	63.9	0.3628	0.3341	0.963	1.66	-1.8207	1.0615	2.3817	1.6224
1622	64.7	63.8	0.343	0.3336	0.9774	1.654	-1.7674	1.0425	2.3037	1.5789
1623	62.3	63.7	0.3483	0.3323	0.9714	1.6521	-1.5392	1.0347	2.1129	1.6084
1624	60.3	63.6	0.356	0.3311	0.964	1.6511	-1.3171	1.0278	1.942	1.6527
1625	62.9	63.4	0.3638	0.33	0.9559	1.6497	-0.9685	1.0229	1.641	1.6954
1626	65.7	63.2	0.3736	0.3307	0.9431	1.6474	-0.7109	1.0207	1.3823	1.6921
1627	64.3	63.1	0.374	0.3302	0.9412	1.6454	-0.5735	1.0094	1.208	1.644
1628	61.8	63	0.3775	0.3295	0.9361	1.6431	-0.5872	1.0013	1.2314	1.6456
1629	61.8	62.8	0.3795	0.3294	0.9344	1.6433	-0.8391	0.9979	1.478	1.6367
1630	61.6	62.7	0.3852	0.3288	0.928	1.6421	-0.1772	1.027	0.8206	1.6704
1631	62.2	62.5	0.3888	0.3277	0.923	1.6396	-0.3389	1.0241	0.9454	1.6307
1632	64.2	62.2	0.3889	0.326	0.9221	1.637	-0.4909	1.0014	1.0787	1.5892
1633	63.6	62	0.3908	0.3249	0.9187	1.6343	-0.5104	0.9917	1.1004	1.5817
1634	63.2	62	0.399	0.3243	0.9112	1.6345	-0.458	1.0057	1.0167	1.5644
1635	61.4	61.9	0.4127	0.3236	0.8966	1.633	-0.3189	0.998	0.8699	1.5489
1636	63.5	61.6	0.4157	0.3225	0.893	1.6312	-0.4853	1.0111	1.0119	1.5377
1637	60.3	61.4	0.4197	0.3229	0.8894	1.632	-0.6805	1.0144	1.1867	1.5206
1638	61.8	61.3	0.4259	0.3233	0.8804	1.6295	-0.8221	1.0272	1.3115	1.5166
1639	60.6	61.1	0.4263	0.3227	0.8796	1.6287	-0.9453	1.0387	1.4007	1.494
1640	60.2	60.9	0.4315	0.324	0.8751	1.6307	-0.9285	1.0278	1.4238	1.5231
1641	59.3	60.6	0.4373	0.3237	0.8674	1.6284	-0.9009	1.0106	1.4483	1.558
1642	59.6	60.4	0.44	0.3199	0.8633	1.6231	-0.9419	0.9844	1.4695	1.512
1643	60.3	60.2	0.4359	0.3195	0.8658	1.6212	-0.6692	0.9954	1.2196	1.5458
1644	61	60.2	0.4288	0.3188	0.8725	1.6202	-0.6169	1.0195	1.1805	1.5831
1645	60.5	60.1	0.4273	0.3183	0.8747	1.6202	-0.5748	1.023	1.1466	1.5947
1646	59.7	59.9	0.4364	0.3174	0.8656	1.6194	-0.5766	0.9975	1.1225	1.5435
1647	60.5	59.9	0.4435	0.3158	0.8572	1.6165	-0.4911	0.9853	1.073	1.5672
1648	58.1	59.8	0.4418	0.3145	0.8564	1.6126	-0.4616	0.9739	1.0072	1.5196
1649	56.7	59.8	0.4375	0.3139	0.8619	1.6132	-0.5233	0.9617	1.0844	1.5229
1650	56.8	59.8	0.4422	0.3118	0.8585	1.6125	-0.5004	0.9826	1.0418	1.524
1651	61.4	59.9	0.447	0.3117	0.8543	1.613	-0.4565	0.9822	0.9715	1.4972
1652	59.8	59.9	0.4468	0.3111	0.85	1.6079	-0.443	0.982	0.9555	1.4945
1653	61.4	59.7	0.4518	0.3082	0.8496	1.6096	-0.7189	0.9822	1.2291	1.4924
1654	61.3	59.5	0.4617	0.2945	0.8527	1.6089	-1.0734	0.9884	1.538	1.453
1655	59.7	59.3	0.4598	0.2921	0.8546	1.6066	-1.2949	0.9941	1.7231	1.4223
1656	59.3	59.1	0.4654	0.2922	0.849	1.6066	-1.4547	0.9875	1.8875	1.4204

1657	60.9	58.9	0.4695	0.2903	0.8442	1.604	-1.5289	1.0185	1.9826	1.4722
1658	60.4	58.9	0.4737	0.2897	0.8383	1.6018	-1.492	1.0209	1.9341	1.463
1659	59.9	58.9	0.4803	0.2896	0.8296	1.5996	-1.5737	1.0239	2.0346	1.4849
1660	61.2	58.8	0.4805	0.2889	0.8294	1.5987	-1.6602	0.9914	2.0966	1.4278
1661	58.4	58.5	0.4799	0.2888	0.829	1.5977	-1.6686	0.9726	2.1457	1.4497
1662	57.6	58.3	0.4821	0.2898	0.8269	1.5988	-1.6306	0.9519	2.1594	1.4807
1663	57.5	58.1	0.4865	0.2894	0.8216	1.5974	-1.6708	0.95	2.1823	1.4614
1664	56.9	57.9	0.4897	0.288	0.8178	1.5955	-1.5653	0.9292	2.1064	1.4703
1665	55.1	57.8	0.4937	0.2858	0.8143	1.5938	-1.5229	0.9147	2.0837	1.4755
1666	57.4	57.9	0.5021	0.2854	0.8069	1.5944	-1.5201	0.8761	2.1015	1.4575
1667	58.3	57.8	0.4975	0.2845	0.8091	1.5911	-1.5133	0.876	2.0451	1.4078
1668	55.1	57.8	0.4976	0.2829	0.8097	1.5902	-1.3657	0.8749	1.9129	1.422
1669	56.1	57.7	0.4789	0.2806	0.8263	1.5858	-1.2654	0.8647	1.8254	1.4248
1670	55.3	57.5	0.4848	0.2796	0.8184	1.5828	-1.2289	0.8687	1.7804	1.4201
1671	56.9	57.5	0.4805	0.2802	0.8234	1.5841	-0.95	0.8695	1.607	1.5265
1672	56.4	57.5	0.4639	0.2806	0.8365	1.581	-1.2768	0.8644	1.89	1.4776
1673	58.5	57.4	0.4585	0.2804	0.8387	1.5776	-1.4995	0.8494	2.0657	1.4156
1674	57.9	57.6	0.4551	0.2795	0.8428	1.5775	-1.4516	0.841	2.0032	1.3926
1675	59.9	57.7	0.4528	0.2789	0.8428	1.5745	-1.3461	0.8365	1.895	1.3855
1676	59.5	57.8	0.4455	0.2795	0.8514	1.5764	-1.2324	0.8428	1.7898	1.4002
1677	59.8	57.8	0.4336	0.2794	0.8616	1.5746	-1.1176	0.8688	1.6627	1.4139
1678	57.9	58.1	0.4425	0.2784	0.8521	1.5729	-1.1282	0.8724	1.6643	1.4086
1679	58.6	58.4	0.4359	0.2752	0.859	1.5701	-1.0904	0.8643	1.6243	1.3982
1680	57.3	58.8	0.4294	0.2749	0.8651	1.5694	-1.0642	0.8685	1.6241	1.4283
1681	58.3	59.1	0.4274	0.276	0.8676	1.5709	-1.0931	0.8733	1.6201	1.4002
1682	56.3	59.2	0.4171	0.2753	0.8774	1.5698	-1.1556	0.856	1.6667	1.3671
1683	59.3	59.4	0.401	0.2734	0.8924	1.5669	-1.2198	0.8529	1.714	1.347
1684	58.5	59.5	0.3971	0.2718	0.8945	1.5633	-1.1644	0.8474	1.6517	1.3346
1685	59	59.5	0.3914	0.2697	0.9012	1.5624	-1.0507	0.8672	1.5289	1.3454
1686	57.9	59.5	0.3843	0.2695	0.9085	1.5623	-0.8464	0.8686	1.3201	1.3423
1687	60.8	59.4	0.3773	0.2694	0.9152	1.5619	-0.7875	0.8611	1.2445	1.3181
1688	61.1	59.5	0.3739	0.2686	0.9201	1.5626	-0.7704	0.8589	1.2459	1.3344
1689	63.7	59.6	0.3657	0.2682	0.9275	1.5614	-0.7939	0.869	1.2511	1.3262
1690	61.4	59.6	0.3576	0.2677	0.9358	1.5611	-0.7031	0.8743	1.1716	1.3428
1691	60	59.8	0.3475	0.2676	0.9447	1.5599	-0.5804	0.8919	1.086	1.3975
1692	60.7	60	0.3401	0.2663	0.9511	1.5575	-0.5014	0.8876	1.0051	1.3913
1693	60.4	59.8	0.3301	0.265	0.96	1.5552	-0.396	0.8496	0.8841	1.3377

1694	59.8	59.7	0.3187	0.2635	0.9684	1.5506	-0.3552	0.8447	0.8373	1.3268
1695	60.5	59.6	0.3153	0.2629	0.9724	1.5506	-0.3831	0.8371	0.8748	1.3288
1696	57.2	59.5	0.306	0.2628	0.978	1.5468	-0.3613	0.8344	0.8629	1.336
1697	60	59.2	0.3016	0.263	0.9849	1.5495	-0.2423	0.8423	0.7317	1.3316
1698	60.1	58.9	0.3089	0.2623	0.9753	1.5465	-0.142	0.8348	0.6479	1.3406
1699	58.3	58.4	0.3015	0.2592	0.9834	1.5442	-0.1545	0.8289	0.6392	1.3136
1700	61.3	58	0.2957	0.2581	0.988	1.5418	-0.1957	0.8352	0.6905	1.33
1701	59.3	57.8	0.304	0.257	0.9791	1.5401	-0.1278	0.8167	0.6506	1.3395
1702	55.9	57.6	0.3359	0.256	0.9473	1.5392	-0.1059	0.8196	0.6557	1.3693
1703	56.3	57.4	0.3688	0.2548	0.9153	1.539	-0.0817	0.8169	0.5972	1.3324
1704	56.9	57.2	0.3887	0.2547	0.8947	1.5381	-0.0187	0.7939	0.5752	1.3503
1705	57.3	56.9	0.4036	0.2537	0.8789	1.5362	-0.0051	0.6527	0.6952	1.3428
1706	55.3	56.9	0.4131	0.2529	0.8675	1.5336	-0.1598	0.6273	0.8606	1.3281
1707	54.8	56.7	0.4215	0.2518	0.8575	1.5308	-0.1159	0.6304	0.8292	1.3437
1708	53.6	56.5	0.4303	0.2508	0.8469	1.528	-0.0478	0.6218	0.7611	1.3352
1709	53.6	56.3	0.4414	0.2518	0.8363	1.5295	0.0346	0.6302	0.6536	1.3185
1710	56.7	55.8	0.4461	0.2512	0.83	1.5274	0.1624	0.6356	0.5134	1.3113
1711	57.1	55.6	0.446	0.2512	0.8266	1.5238	0.2112	0.6302	0.4756	1.3169
1712	56.3	55.6	0.4563	0.25	0.8175	1.5237	0.2249	0.6346	0.4517	1.3112
1713	55.7	55.6	0.4571	0.2502	0.816	1.5233	0.2547	0.6509	0.4388	1.3444
1714	56.3	55.6	0.4583	0.2502	0.8122	1.5207	0.3236	0.6658	0.3671	1.3565
1715	55.6	55.5	0.4634	0.2525	0.8026	1.5185	0.3693	0.6631	0.3115	1.344
1716	56.6	55.5	0.473	0.2515	0.7953	1.5198	0.3696	0.6436	0.3158	1.3291
1717	56.2	55.6	0.4774	0.2508	0.7904	1.5185	0.3717	0.6419	0.3154	1.329
1718	55.3	55.8	0.4864	0.2504	0.7801	1.5169	0.2722	0.6371	0.381	1.2903
1719	50.8	56.1	0.4889	0.2488	0.7767	1.5144	0.1773	0.6347	0.4805	1.2925
1720	56.4	56.1	0.4907	0.2474	0.7751	1.5132	-0.1936	0.6152	0.8384	1.26
1721	56	56	0.4905	0.2477	0.774	1.5122	-0.2157	0.6209	0.8608	1.2661
1722	55.7	56	0.493	0.2486	0.7708	1.5124	-0.291	0.6253	0.9377	1.2719
1723	56.4	56	0.4935	0.2482	0.7711	1.5128	-0.4887	0.6438	1.104	1.2591
1724	56.8	55.8	0.4906	0.2474	0.7745	1.5125	-0.5705	0.6588	1.1494	1.2377
1725	54.9	55.6	0.4871	0.2457	0.777	1.5097	-0.6451	0.6716	1.2432	1.2698
1726	56.4	55.4	0.4854	0.2438	0.7769	1.5061	-0.637	0.6664	1.2236	1.2531
1727	58.2	55.4	0.4869	0.243	0.7747	1.5046	-0.7235	0.6782	1.3198	1.2746
1728	58.5	55.3	0.4865	0.2431	0.7736	1.5032	-0.8809	0.6764	1.4567	1.2522
1729	56	55.5	0.4859	0.2426	0.772	1.5005	-0.7689	0.6624	1.3389	1.2324
1730	55	55.3	0.4945	0.2415	0.766	1.502	-0.7526	0.6343	1.3383	1.22

1731	56.6	55.1	0.5044	0.2421	0.7563	1.5029	-0.7811	0.6408	1.3719	1.2316
1732	55.7	55	0.5109	0.2407	0.7507	1.5023	-0.7735	0.6443	1.3991	1.2699
1733	52.7	54.8	0.5072	0.2401	0.7535	1.5008	-0.8563	0.6422	1.4591	1.2449
1734	52.6	54.6	0.5041	0.2376	0.7583	1.4999	-0.971	0.6356	1.5728	1.2375
1735	52.8	54.6	0.4974	0.2368	0.7646	1.4988	-0.984	0.6289	1.5624	1.2073
1736	55.3	54.4	0.4944	0.2364	0.7686	1.4994	-1.0543	0.6173	1.6224	1.1853
1737	54	54.3	0.4967	0.237	0.7648	1.4985	-1.0666	0.6057	1.6516	1.1907
1738	53.6	54	0.5053	0.2364	0.7553	1.4969	-1.1232	0.6134	1.7197	1.2098
1739	53	53.7	0.4966	0.2353	0.7625	1.4944	-1.1837	0.6112	1.7976	1.225
1740	53.2	53.6	0.4896	0.2349	0.7665	1.491	-1.2311	0.6029	1.8585	1.2303
1741	52.9	53.4	0.4875	0.2349	0.7669	1.4893	-1.3104	0.5989	1.9438	1.2324
1742	52	53.2	0.4796	0.2349	0.7749	1.4894	-1.4183	0.6018	2.0503	1.2339
1743	54.4	53.1	0.4714	0.235	0.782	1.4885	-1.4695	0.5971	2.1108	1.2383
1744	55.1	53	0.4671	0.2351	0.785	1.4873	-1.5662	0.5907	2.2052	1.2298
1745	52.5	53	0.4634	0.2349	0.7884	1.4866	-1.6911	0.574	2.2919	1.1748
1746	55.3	52.8	0.4606	0.2332	0.7925	1.4862	-1.7219	0.5665	2.3253	1.17
1747	52.7	52.6	0.4577	0.2323	0.7924	1.4824	-1.8091	0.564	2.3862	1.141
1748	51.7	52.4	0.4572	0.2316	0.7925	1.4813	-1.8579	0.5709	2.467	1.18
1749	52.8	52.1	0.457	0.2304	0.7929	1.4802	-1.8062	0.5711	2.3993	1.1642
1750	51.5	52	0.455	0.2301	0.7935	1.4786	-1.831	0.5395	2.4413	1.1498
1751	52.6	51.9	0.4576	0.2297	0.7887	1.4761	-1.8293	0.5328	2.4273	1.1307
1752	50	51.7	0.455	0.2294	0.7903	1.4747	-1.7641	0.5271	2.3617	1.1247
1753	51.1	51.4	0.4537	0.2288	0.7921	1.4745	-1.4562	0.5226	2.0613	1.1277
1754	53	51.1	0.4622	0.2292	0.7832	1.4746	-1.1321	0.5158	1.7533	1.1369
1755	51.7	50.9	0.4758	0.2294	0.7686	1.4738	-0.9367	0.5196	1.5565	1.1394
1756	51.3	50.5	0.477	0.2291	0.7661	1.4723	-0.7895	0.5144	1.4064	1.1313
1757	48.8	50.4	0.4743	0.2282	0.768	1.4705	-0.6967	0.5119	1.3002	1.1154
1758	47.8	50.3	0.4702	0.2267	0.773	1.4699	-0.614	0.5049	1.2068	1.0977
1759	50.5	50.2	0.4641	0.226	0.7783	1.4684	-0.5249	0.4999	1.1046	1.0797
1760	50.6	50	0.4594	0.2259	0.7818	1.467	-0.409	0.5162	1.0007	1.1079
1761	48.3	49.8	0.4574	0.2253	0.7838	1.4666	-0.3616	0.5157	0.9418	1.0959
1762	49.3	49.8	0.4566	0.2247	0.783	1.4643	-0.3669	0.5215	0.9136	1.0682
1763	49.7	49.6	0.4541	0.2228	0.7849	1.4618	-0.2542	0.5129	0.8211	1.0799
1764	48.8	49.3	0.4528	0.2217	0.7866	1.4611	-0.2473	0.5214	0.8133	1.0874
1765	48.1	49.1	0.4568	0.2214	0.7827	1.4609	-0.2367	0.5277	0.7785	1.0696
1766	50.1	48.9	0.4649	0.2212	0.7753	1.4615	-0.1792	0.5611	0.6747	1.0566
1767	50.3	48.8	0.4703	0.2207	0.771	1.4621	-0.0668	0.5563	0.5951	1.0846

1768	50	48.9	0.4798	0.2194	0.7616	1.4609	-0.0153	0.5537	0.5436	1.0819
1769	48.4	48.8	0.4982	0.2191	0.7425	1.4598	0.0951	0.5564	0.4244	1.0758
1770	48.3	48.7	0.5064	0.2175	0.7323	1.4562	0.1266	0.5425	0.3881	1.0573
1771	49.6	48.8	0.5096	0.2177	0.7296	1.4569	0.1504	0.5326	0.3736	1.0566
1772	48.1	48.8	0.5128	0.2162	0.7261	1.4551	0.1505	0.5425	0.3637	1.0567
1773	46.3	48.7	0.5155	0.2145	0.7238	1.4538	0.1842	0.5616	0.3271	1.0729
1774	47.9	48.6	0.5196	0.2124	0.7185	1.4505	0.193	0.5639	0.3349	1.0919
1775	47.9	48.5	0.5165	0.2123	0.7204	1.4492	0.158	0.5604	0.3842	1.1026
1776	47.8	48.4	0.5179	0.2116	0.7194	1.4489	0.1124	0.5452	0.4226	1.0802
1777	49.4	48.3	0.5216	0.2117	0.716	1.4494	0.0914	0.5266	0.4272	1.0452
1778	47.6	48.3	0.5193	0.2121	0.7182	1.4497	0.1126	0.5227	0.4036	1.039
1779	49.2	48.2	0.5111	0.2118	0.7252	1.4481	0.1094	0.5317	0.3941	1.0351
1780	49.4	48.1	0.5075	0.2108	0.7279	1.4462	0.1027	0.5321	0.3761	1.0109
1781	49.4	47.9	0.5047	0.2115	0.7277	1.444	0.2271	0.5238	0.2965	1.0474
1782	49	47.8	0.5027	0.211	0.7315	1.4453	0.3735	0.5404	0.1606	1.0745
1783	46.6	47.8	0.4981	0.2099	0.7351	1.4431	0.475	0.5271	0.0801	1.0821
1784	46.6	47.6	0.4955	0.2089	0.7382	1.4426	0.4266	0.527	0.123	1.0766
1785	47.6	47.5	0.4969	0.208	0.739	1.4439	0.3852	0.4959	0.1976	1.0788
1786	49.4	47.3	0.491	0.209	0.7433	1.4433	0.2884	0.4914	0.2977	1.0775
1787	48.6	47.1	0.4896	0.2081	0.7432	1.4409	0.2471	0.4935	0.364	1.1046
1788	47.2	46.9	0.4922	0.2075	0.7403	1.4401	0.2871	0.5111	0.3098	1.1079
1789	45.9	46.7	0.4888	0.2079	0.7416	1.4383	0.4297	0.509	0.1614	1.1001
1790	45.9	46.5	0.4886	0.2078	0.7415	1.4379	0.2948	0.4996	0.282	1.0763
1791	45.8	46.2	0.4894	0.2075	0.7396	1.4365	0.1826	0.5006	0.3546	1.0378
1792	46.5	46	0.4871	0.2066	0.74	1.4337	0.15	0.5097	0.3673	1.027
1793	45.1	45.9	0.4867	0.206	0.7395	1.4322	0.0165	0.5184	0.5108	1.0458
1794	44.8	45.4	0.4878	0.2061	0.7392	1.4331	-0.1263	0.5303	0.6449	1.0488
1795	44.9	45.2	0.4875	0.2063	0.7398	1.4336	-0.2051	0.5413	0.7103	1.0465
1796	45.1	45.1	0.4869	0.2064	0.7394	1.4327	-0.2769	0.5463	0.7837	1.0531
1797	44.1	44.9	0.4874	0.2059	0.7382	1.4315	-0.3336	0.525	0.8739	1.0653
1798	44.6	44.9	0.4895	0.2052	0.7354	1.4301	-0.3953	0.5186	0.8895	1.0129
1799	45.3	45.1	0.4846	0.2053	0.7393	1.4292	-0.4122	0.5146	0.908	1.0104
1800	45.4	45.4	0.4786	0.2048	0.7453	1.4287	-0.4237	0.5008	0.9331	1.0102