Test Name	**HPL, PF, rep 1**
Cladding	**High Pressure Laminate (HPL)**
Cladding Thickness [mm]	**8**
Insulation	**Phenolic (PF) foam**
Insulation Thickness [mm]	**100**
Cavity Width [mm]	**50**
Repetition Number	**1**
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 first 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 16 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]	**145**
Time to Peak HRR [mins]	**7.75**
Residual HRR [kW]	**34**
Total HR [MJ]	**130**
Peak dQ/dt [kW/s]	**1.07**
Time to Peak dQ/dt [s]	**5.37**

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	-0.0299	-0.0299	6.9558	2.3178	-0.0005	9.2731	0.2143	0.263	0.0005	0.4778
1	0.276	0.0657	6.9542	2.3166	-0.0005	9.2703	0.2231	0.2589	-0.0015	0.4806
2	-0.0489	0.121	6.9548	2.3163	-0.0003	9.2707	0.2287	0.2614	-0.0014	0.4886
3	0.0499	0.273	6.9534	2.3155	-0.0005	9.2684	0.2229	0.2535	-0.002	0.4744
4	0.357	0.411	6.9531	2.3147	-0.0004	9.2674	0.215	0.2535	-0.0025	0.466
5	0.607	0.604	6.9528	2.3141	-0.0006	9.2664	0.1974	0.25	-0.0032	0.4442
6	0.698	1.04	6.9525	2.3133	-0.0006	9.2652	0.1859	0.2488	-0.0049	0.4298
7	0.779	1.7	6.9524	2.3129	-0.0005	9.2647	0.1839	0.2514	-0.006	0.4292
8	1.01	2.44	6.9521	2.3128	-0.0006	9.2643	0.1785	0.245	-0.0065	0.417
9	1.1	3.11	6.9515	2.3124	-0.0006	9.2634	0.164	0.2475	-0.0048	0.4067
10	1.85	3.58	6.9512	2.3121	-0.0007	9.2626	0.1469	0.2458	-0.0029	0.3898
11	2.66	4.05	6.9508	2.3117	-0.0006	9.262	0.1408	0.2439	-0.0029	0.3818
12	4.17	4.54	6.9504	2.3112	-0.0005	9.2612	0.1566	0.2434	-0.0028	0.3972
13	5.49	5.06	6.9506	2.3111	-0.0005	9.2611	0.1827	0.2317	-0.0023	0.4121
14	6.57	5.57	6.9507	2.3111	-0.0005	9.2613	0.2117	0.2176	-0.0005	0.4288
15	7.46	6.09	6.9505	2.311	-0.0004	9.261	0.236	0.2123	-0.0004	0.4479
16	8.54	6.6	6.9506	2.3105	-0.0005	9.2606	0.256	0.2098	-0.0011	0.4647
17	8.79	7.13	6.9509	2.3103	-0.0007	9.2605	0.2708	0.2056	0.0022	0.4786
18	8.72	7.64	6.9506	2.31	-0.0009	9.2598	0.288	0.2047	0.0021	0.4947
19	9.03	8.14	6.9499	2.3094	-0.001	9.2583	0.2969	0.205	0.0032	0.505
20	9.23	8.59	6.949	2.3088	-0.0009	9.2569	0.3017	0.2051	0.0017	0.5085
21	9.12	9	6.9485	2.3085	-0.001	9.256	0.299	0.2037	0.0004	0.5031
22	9.97	9.33	6.9487	2.3081	-0.0011	9.2557	0.2967	0.2035	-0.0004	0.4998
23	10	9.6	6.9493	2.3075	-0.0012	9.2556	0.2961	0.2043	-0.0029	0.4976
24	10.4	9.82	6.9494	2.3072	-0.0013	9.2553	0.3004	0.2007	-0.0031	0.4979
25	10.5	9.97	6.9493	2.3067	-0.0012	9.2547	0.3059	0.198	-0.0016	0.5023
26	10.8	10	6.9493	2.3064	-0.0011	9.2546	0.3041	0.1954	-0.0019	0.4976
27	10.8	10.1	6.9492	2.3064	-0.0011	9.2545	0.3002	0.2	-0.0023	0.4979
28	10.5	10.2	6.9493	2.3061	-0.0011	9.2543	0.3044	0.1982	-0.0034	0.4992

29	10.5	10.2	6.9493	2.3062	-0.0013	9.2542	0.3039	0.1981	-0.001	0.5011
30	10.5	10.3	6.949	2.3064	-0.0012	9.2542	0.3067	0.197	-0.0021	0.5016
31	10.4	10.3	6.9486	2.3063	-0.0011	9.2539	0.3203	0.1959	-0.0007	0.5155
32	10.6	10.3	6.9486	2.3065	-0.001	9.2542	0.3329	0.1963	0.0003	0.5295
33	10.7	10.3	6.9485	2.3062	-0.001	9.2537	0.3477	0.1968	0.0003	0.5448
34	10.3	10.2	6.9484	2.3062	-0.001	9.2535	0.3553	0.1951	-0.0003	0.5501
35	9.92	10.2	6.9481	2.3064	-0.0011	9.2534	0.3573	0.1945	-0.0023	0.5495
36	9.96	10.2	6.9479	2.3063	-0.0011	9.253	0.3569	0.1937	-0.0016	0.5491
37	10.4	10.1	6.9478	2.306	-0.0011	9.2527	0.3542	0.1907	-0.0009	0.544
38	9.81	10.1	6.9478	2.3055	-0.001	9.2523	0.3574	0.2005	-0.0009	0.557
39	9.83	10.2	6.9477	2.3058	-0.0011	9.2524	0.3575	0.1939	-0.0009	0.5506
40	9.92	10.1	6.9472	2.306	-0.001	9.2522	0.3587	0.1969	-0.0021	0.5536
41	9.77	10.1	6.9467	2.3061	-0.001	9.2519	0.3601	0.1929	-0.0028	0.5502
42	9.6	10.1	6.9463	2.3058	-0.001	9.2511	0.357	0.1897	-0.0015	0.5451
43	9.96	10.1	6.9465	2.3056	-0.0012	9.2509	0.3591	0.1859	-0.0008	0.5443
44	10.1	10.1	6.9463	2.3057	-0.0011	9.2509	0.3526	0.1863	-0.0008	0.538
45	9.9	10.1	6.9462	2.3059	-0.0011	9.251	0.3385	0.1872	-0.0008	0.5249
46	9.83	10.1	6.9455	2.3058	-0.001	9.2503	0.3322	0.1907	-0.0016	0.5213
47	10.5	10.1	6.9449	2.3055	-0.0011	9.2493	0.3351	0.1893	-0.0044	0.52
48	11	10.2	6.9451	2.3057	-0.001	9.2498	0.3386	0.1814	-0.0058	0.5142
49	10.2	10.2	6.9452	2.3057	-0.0011	9.2498	0.3421	0.1783	-0.0049	0.5155
50	10.1	10.2	6.9445	2.3056	-0.001	9.2492	0.3493	0.1777	-0.0056	0.5213
51	10	10.3	6.944	2.3053	-0.001	9.2483	0.3556	0.1664	0.001	0.523
52	9.83	10.4	6.9441	2.3054	-0.001	9.2485	0.3493	0.1521	0.0015	0.5029
53	10.3	10.4	6.9443	2.3052	-0.0009	9.2485	0.3734	0.1556	0.0045	0.5335
54	10.6	10.5	6.9451	2.3051	-0.0009	9.2493	0.3829	0.1514	0.0043	0.5386
55	10.3	10.5	6.9455	2.3049	-0.0008	9.2496	0.3967	0.149	0.0059	0.5516
56	10.5	10.6	6.9454	2.3045	-0.0007	9.2492	0.4111	0.1454	0.0047	0.5613
57	10.6	10.6	6.9456	2.3046	-0.0007	9.2495	0.4301	0.1388	0.004	0.5729
58	9.93	10.6	6.9462	2.3042	-0.0008	9.2497	0.4418	0.1378	0.0057	0.5852
59	10.5	10.6	6.9471	2.3041	-0.0009	9.2503	0.4476	0.1362	0.0042	0.588
60	11.2	10.6	6.9473	2.304	-0.0009	9.2504	0.4543	0.1371	0.0048	0.5962
61	11.5	10.6	6.9462	2.3038	-0.0009	9.2491	0.4572	0.1388	0.0018	0.5979
62	11.2	10.7	6.9444	2.3043	-0.0009	9.2477	0.4524	0.1318	0.0019	0.5861
63	11.2	10.7	6.9424	2.3049	-0.001	9.2462	0.4525	0.1297	0.0024	0.5847
64	10.8	10.8	6.9406	2.305	-0.001	9.2446	0.4547	0.1302	0.0025	0.5873
65	10.9	10.9	6.939	2.305	-0.001	9.243	0.4562	0.1326	0.0002	0.589

66	10.5	11	6.9378	2.3051	-0.0012	9.2416	0.4622	0.1336	0.0024	0.5982
67	10.4	11	6.9363	2.3049	-0.0012	9.24	0.4565	0.1307	0.0017	0.5889
68	10.9	11.1	6.9354	2.3047	-0.0013	9.2388	0.4556	0.1347	0.0014	0.5917
69	10.5	11.1	6.9348	2.3045	-0.0012	9.2381	0.4526	0.1414	-0.0009	0.5931
70	10.5	11.1	6.9347	2.3044	-0.0011	9.238	0.4551	0.1414	-0.0021	0.5944
71	10.7	11.1	6.9345	2.3042	-0.001	9.2377	0.4597	0.1373	-0.0019	0.5951
72	11.3	11.1	6.9343	2.3039	-0.0009	9.2374	0.456	0.1378	-0.0025	0.5913
73	11.9	11.1	6.9337	2.304	-0.0008	9.2368	0.4663	0.1386	-0.0043	0.6006
74	12.2	11.2	6.933	2.304	-0.001	9.236	0.4816	0.1379	-0.0054	0.6141
75	11.4	11.2	6.9328	2.304	-0.0009	9.2359	0.4968	0.1355	-0.0069	0.6255
76	11.8	11.3	6.9328	2.3034	-0.0009	9.2353	0.5203	0.1276	-0.007	0.6409
77	11.2	11.3	6.9322	2.3034	-0.0008	9.2347	0.53	0.12	-0.0063	0.6437
78	10.9	11.4	6.9319	2.3032	-0.001	9.2341	0.5457	0.119	-0.0089	0.6558
79	11.3	11.5	6.9314	2.3031	-0.0009	9.2336	0.5701	0.1165	-0.0033	0.6834
80	11	11.6	6.93	2.303	-0.001	9.2319	0.6028	0.1185	-0.0085	0.7128
81	11.6	11.7	6.9286	2.3028	-0.0011	9.2303	0.6234	0.1174	-0.0052	0.7356
82	11.6	11.9	6.9271	2.3025	-0.0011	9.2285	0.6471	0.1172	-0.0041	0.7602
83	11.6	12	6.9261	2.3025	-0.0011	9.2275	0.6743	0.124	-0.0038	0.7946
84	11.6	12.1	6.9255	2.3023	-0.0009	9.227	0.6991	0.1227	-0.006	0.8158
85	11.5	12.2	6.9252	2.3022	-0.0009	9.2265	0.7213	0.1246	-0.0058	0.8401
86	11.7	12.3	6.9251	2.3023	-0.001	9.2264	0.7326	0.1353	-0.006	0.8619
87	11.8	12.4	6.9245	2.3012	-0.001	9.2247	0.7454	0.1409	-0.006	0.8804
88	12.6	12.6	6.9241	2.3016	-0.001	9.2247	0.7701	0.1384	-0.0127	0.8958
89	12.5	12.8	6.9236	2.3011	-0.0009	9.2239	0.7745	0.1348	-0.0004	0.909
90	13.5	12.9	6.9231	2.3013	-0.0008	9.2236	0.8031	0.1439	-0.0058	0.9412
91	13.5	13	6.9231	2.3014	-0.0009	9.2235	0.8195	0.1507	-0.0053	0.9649
92	14.4	13.1	6.9225	2.3016	-0.001	9.2231	0.828	0.1521	-0.0086	0.9716
93	13.7	13.3	6.9228	2.3013	-0.001	9.2231	0.834	0.1578	-0.009	0.9828
94	13.9	13.4	6.9238	2.3011	-0.001	9.2238	0.8553	0.1664	-0.0129	1.0089
95	14.4	13.6	6.924	2.3005	-0.0009	9.2236	0.8679	0.1732	-0.0117	1.0293
96	13.4	13.8	6.9234	2.3005	-0.0006	9.2232	0.8806	0.1759	-0.01	1.0465
97	13.9	13.9	6.9227	2.3011	-0.0005	9.2233	0.8927	0.1789	-0.0073	1.0643
98	14.4	14.1	6.922	2.3012	-0.0006	9.2226	0.8956	0.1822	-0.0088	1.069
99	13.5	14.3	6.921	2.3011	-0.0005	9.2216	0.9181	0.1906	-0.0082	1.1004
100	13.9	14.3	6.9202	2.3012	-0.0006	9.2208	0.9259	0.1894	-0.0112	1.1041
101	13.6	14.4	6.9193	2.3014	-0.0006	9.22	0.9356	0.2027	-0.0107	1.1275
102	14.4	14.3	6.9174	2.3008	-0.0008	9.2174	0.9409	0.2036	-0.0104	1.1342

103	14.7	14.4	6.9151	2.3003	-0.0009	9.2145	0.9586	0.209	-0.0107	1.1568
104	14.4	14.4	6.9134	2.2998	-0.001	9.2122	0.9886	0.2142	-0.0177	1.1851
105	14.7	14.4	6.9117	2.2996	-0.001	9.2103	1.0275	0.228	-0.027	1.2285
106	15.2	14.5	6.9095	2.2994	-0.001	9.208	1.0467	0.2396	-0.028	1.2583
107	16.2	14.5	6.9082	2.2991	-0.0011	9.2062	1.0653	0.2484	-0.0256	1.2882
108	15.2	14.5	6.9073	2.2992	-0.001	9.2055	1.0954	0.2543	-0.026	1.3237
109	14.6	14.6	6.9061	2.2987	-0.0011	9.2038	1.1166	0.2701	-0.026	1.3607
110	14.3	14.7	6.9055	2.2982	-0.0009	9.2028	1.1303	0.2792	-0.0282	1.3814
111	14	14.8	6.9056	2.2985	-0.0008	9.2033	1.1487	0.2887	-0.029	1.4084
112	14.4	14.8	6.9052	2.2983	-0.0007	9.2027	1.1577	0.3018	-0.0279	1.4315
113	14.7	14.9	6.9051	2.298	-0.0007	9.2024	1.1757	0.3171	-0.0259	1.467
114	14.4	14.9	6.9051	2.2979	-0.0005	9.2024	1.1997	0.3411	-0.0264	1.5143
115	14.8	14.9	6.9043	2.2976	-0.0007	9.2012	1.1981	0.3609	-0.0251	1.5339
116	14.3	15	6.905	2.2974	-0.0006	9.2017	1.1837	0.374	-0.0285	1.5292
117	14.9	15	6.9054	2.2968	-0.0009	9.2014	1.1935	0.3887	-0.0305	1.5517
118	14.5	15	6.9054	2.2959	-0.0008	9.2005	1.2252	0.3912	-0.0302	1.5863
119	15.2	15.1	6.9044	2.2953	-0.0008	9.1989	1.2341	0.3998	-0.0308	1.6031
120	15.5	15.3	6.9031	2.2951	-0.0007	9.1974	1.2598	0.4125	-0.0281	1.6442
121	15.8	15.4	6.9029	2.2948	-0.0008	9.1969	1.284	0.4295	-0.027	1.6865
122	15.1	15.5	6.9021	2.2942	-0.0007	9.1956	1.2996	0.4452	-0.0238	1.721
123	15.4	15.6	6.9012	2.2937	-0.0007	9.1942	1.3108	0.4647	-0.0204	1.755
124	15.3	15.8	6.8997	2.2936	-0.0006	9.1928	1.3195	0.4824	-0.0213	1.7806
125	15.9	16	6.8973	2.2939	-0.0005	9.1907	1.3257	0.4974	-0.0262	1.7969
126	16.2	16.2	6.8963	2.2944	-0.0005	9.1902	1.3251	0.5186	-0.0271	1.8166
127	16.5	16.3	6.8946	2.2945	-0.0002	9.1889	1.3182	0.5359	-0.0295	1.8246
128	16.4	16.5	6.8923	2.2945	-0.0008	9.186	1.3245	0.5343	-0.0319	1.8269
129	16.8	16.6	6.889	2.2943	-0.0004	9.1829	1.3515	0.5381	-0.0371	1.8525
130	16.9	16.8	6.8866	2.2946	-0.0007	9.1806	1.3633	0.5394	-0.0382	1.8645
131	16.6	16.9	6.8839	2.2946	-0.0007	9.1779	1.3758	0.5423	-0.0412	1.8769
132	16.7	17.1	6.8812	2.2941	-0.0006	9.1747	1.3799	0.5441	-0.045	1.879
133	17.2	17.4	6.8786	2.294	-0.0004	9.1721	1.394	0.5471	-0.0468	1.8942
134	18	17.7	6.8762	2.2937	-0.0005	9.1695	1.4088	0.5531	-0.0502	1.9117
135	17.9	17.9	6.8749	2.2928	-0.0005	9.1672	1.4208	0.5621	-0.0511	1.9317
136	17.3	18.1	6.8733	2.2922	-0.0005	9.165	1.4451	0.5639	-0.0532	1.9558
137	17.9	18.4	6.8708	2.2922	0.0002	9.1632	1.4827	0.568	-0.054	1.9967
138	18.4	18.6	6.8703	2.2921	-0.001	9.1614	1.5272	0.5591	-0.053	2.0332
139	18	18.9	6.8674	2.2914	-0.0005	9.1583	1.5595	0.5626	-0.0538	2.0684

140	18.3	19.2	6.8652	2.291	-0.0005	9.1557	1.5907	0.5677	-0.0502	2.1081
141	19.5	19.4	6.8639	2.2909	-0.0001	9.1547	1.6218	0.5766	-0.0509	2.1475
142	20.8	19.7	6.8629	2.29	-0.0001	9.1529	1.6679	0.5829	-0.0509	2.1998
143	20.3	20	6.861	2.2889	0.0001	9.15	1.7013	0.5955	-0.0505	2.2463
144	19.8	20.3	6.8595	2.2883	0.0001	9.1479	1.7352	0.6048	-0.05	2.2901
145	19.6	20.5	6.8582	2.2883	-0.0001	9.1464	1.7768	0.6108	-0.0486	2.339
146	22.1	20.7	6.8563	2.2879	-0.0003	9.1439	1.8202	0.6168	-0.0472	2.3898
147	21.1	20.9	6.8553	2.2873	-0.0002	9.1424	1.8434	0.6251	-0.0453	2.4232
148	22.4	21.1	6.8533	2.2866	-0.0002	9.1397	1.8742	0.6466	-0.045	2.4757
149	22.1	21.3	6.8526	2.2868	0	9.1394	1.9105	0.6536	-0.0502	2.5139
150	21.7	21.6	6.851	2.2854	0.0001	9.1364	1.927	0.6601	-0.0518	2.5353
151	22.5	21.7	6.8499	2.2849	0	9.1349	1.9403	0.673	-0.0556	2.5576
152	22.6	21.8	6.8482	2.2845	0.0001	9.1329	1.957	0.6845	-0.0565	2.585
153	22.4	22	6.8454	2.2837	0.0008	9.13	1.9602	0.6896	-0.0564	2.5933
154	21.7	22.3	6.8423	2.2823	0.0018	9.1264	1.9738	0.6902	-0.057	2.6069
155	22.5	22.7	6.8408	2.281	0.002	9.1238	1.9897	0.6891	-0.0583	2.6204
156	21.6	22.9	6.8389	2.2797	0.0018	9.1204	1.9973	0.6975	-0.06	2.6349
157	22.6	23.2	6.836	2.2792	0.0019	9.1171	1.9955	0.7031	-0.06	2.6386
158	21.6	23.6	6.8346	2.2772	0.0018	9.1136	1.9973	0.7173	-0.0634	2.6511
159	23.1	23.9	6.8341	2.2762	0.0019	9.1122	2.0293	0.7197	-0.0702	2.6788
160	22.1	24.3	6.8325	2.2751	0.002	9.1096	2.0482	0.7223	-0.0718	2.6987
161	22.9	24.6	6.8304	2.2736	0.0019	9.1059	2.0776	0.7318	-0.0691	2.7403
162	24.3	25	6.8268	2.2725	0.0017	9.101	2.1088	0.746	-0.068	2.7868
163	25.3	25.4	6.8224	2.2708	0.0016	9.0948	2.1411	0.7544	-0.0705	2.8251
164	25.9	25.9	6.8208	2.269	0.0015	9.0912	2.1662	0.7668	-0.0715	2.8615
165	26.7	26.3	6.8206	2.2676	0.0019	9.0901	2.1982	0.771	-0.0707	2.8985
166	27.8	26.9	6.8184	2.2662	0.0018	9.0865	2.2434	0.7746	-0.0744	2.9435
167	28.3	27.5	6.8138	2.2658	0.0018	9.0814	2.3022	0.7827	-0.0782	3.0067
168	28.9	28	6.812	2.2647	0.0018	9.0785	2.3486	0.8036	-0.0826	3.0697
169	28.5	28.6	6.8088	2.2632	0.0016	9.0737	2.384	0.7998	-0.0785	3.1052
170	28.8	29.1	6.8063	2.2614	0.0016	9.0693	2.4112	0.8132	-0.0823	3.1421
171	30.3	29.6	6.8046	2.2597	0.0013	9.0656	2.4458	0.8169	-0.0842	3.1785
172	30.1	29.9	6.8032	2.2575	0.0012	9.0619	2.4986	0.8278	-0.088	3.2384
173	30	30.1	6.8017	2.2558	0.0013	9.0588	2.5512	0.8387	-0.0943	3.2957
174	31.4	30.3	6.8004	2.2543	0.0017	9.0563	2.6019	0.8454	-0.1015	3.3459
175	33.5	30.4	6.8003	2.2521	0.0018	9.0542	2.6467	0.859	-0.1038	3.4019
176	32.7	30.6	6.801	2.2499	0.002	9.0529	2.667	0.8719	-0.1032	3.4357

177	32.1	30.7	6.7997	2.25	0.0024	9.0521	2.7065	0.8892	-0.1012	3.4945
178	33.3	30.7	6.7968	2.2494	0.0027	9.0489	2.7207	0.9075	-0.0961	3.5321
179	31.3	30.9	6.7951	2.2491	0.0029	9.0471	2.7443	0.9657	-0.1083	3.6017
180	32.5	31.1	6.7924	2.2488	0.0031	9.0442	2.8296	0.9505	-0.1125	3.6677
181	30.7	31.3	6.7906	2.2484	0.0034	9.0424	2.7226	0.9824	-0.1239	3.5811
182	29.3	31.5	6.7877	2.2478	0.0036	9.039	2.7368	0.9935	-0.126	3.6044
183	29.7	31.6	6.7852	2.2471	0.004	9.0363	2.7415	0.99	-0.1247	3.6068
184	29.3	31.8	6.7835	2.2461	0.0042	9.0338	2.7604	0.995	-0.123	3.6324
185	30.3	31.7	6.7807	2.2458	0.0044	9.0309	2.7736	0.9954	-0.1243	3.6446
186	30.1	31.8	6.7768	2.2455	0.0044	9.0267	2.7985	0.9942	-0.1258	3.6669
187	29.2	31.9	6.7717	2.2453	0.0043	9.0214	2.8153	1.0031	-0.1269	3.6914
188	31.5	32.1	6.7681	2.2453	0.0044	9.0179	2.846	1.001	-0.1203	3.7268
189	34.4	32.4	6.7646	2.2444	0.0041	9.013	2.9072	1.0162	-0.1309	3.7925
190	34	32.7	6.761	2.2436	0.0043	9.0089	2.9379	1.0309	-0.1283	3.8405
191	32.6	33	6.7563	2.2431	0.0042	9.0036	2.9931	1.0345	-0.1285	3.8991
192	33.3	33.4	6.7524	2.242	0.0041	8.9984	3.0374	1.0347	-0.124	3.9481
193	33.7	33.8	6.7492	2.2409	0.004	8.9941	3.0892	1.0426	-0.1263	4.0056
194	33.1	34.1	6.7461	2.24	0.0039	8.9899	3.1503	1.0458	-0.129	4.0671
195	34	34.4	6.742	2.2389	0.0038	8.9847	3.2071	1.0581	-0.1329	4.1323
196	34.7	34.8	6.7391	2.238	0.0039	8.9809	3.241	1.0608	-0.1372	4.1645
197	36.1	35.3	6.7353	2.2364	0.004	8.9757	3.2771	1.064	-0.1422	4.1989
198	37	35.7	6.731	2.2358	0.0044	8.9713	3.3301	1.0685	-0.143	4.2556
199	38.5	35.8	6.7283	2.2351	0.0047	8.968	3.358	1.0702	-0.1429	4.2853
200	37	36	6.7262	2.2339	0.005	8.965	3.3724	1.1057	-0.1418	4.3362
201	36.3	36.4	6.7236	2.2329	0.005	8.9615	3.4256	1.1026	-0.1415	4.3868
202	36.5	36.8	6.7214	2.2318	0.0048	8.9581	3.4705	1.1126	-0.143	4.4401
203	36	37.1	6.7177	2.2313	0.0048	8.9539	3.5206	1.1207	-0.143	4.4983
204	36.3	37.5	6.7145	2.2309	0.0048	8.9502	3.5539	1.1267	-0.1362	4.5444
205	37.9	37.9	6.7119	2.2299	0.005	8.9468	3.5815	1.1202	-0.1283	4.5734
206	38.5	38.3	6.71	2.2291	0.005	8.9441	3.6325	1.1129	-0.1285	4.617
207	38.9	38.6	6.7084	2.2274	0.0053	8.9411	3.6685	1.1125	-0.1348	4.6461
208	36.6	38.9	6.7044	2.2272	0.006	8.9376	3.7149	1.1129	-0.1405	4.6872
209	37.1	39.1	6.7013	2.2265	0.0061	8.9339	3.7704	1.1016	-0.1439	4.728
210	39.5	39.5	6.6977	2.225	0.006	8.9288	3.8199	1.1098	-0.1428	4.7869
211	41.2	39.8	6.6947	2.2239	0.006	8.9247	3.8934	1.1009	-0.1422	4.8521
212	39.9	40.2	6.6911	2.2228	0.0063	8.9202	3.966	1.0949	-0.1448	4.9161
213	39.6	40.6	6.6885	2.2214	0.0064	8.9163	4.0099	1.0917	-0.1485	4.9532

214	41.8	41	6.6853	2.2208	0.0065	8.9126	4.0413	1.0809	-0.1517	4.9706
215	42.3	41.3	6.68	2.2201	0.0068	8.9069	4.092	1.0735	-0.1566	5.0089
216	41.9	41.6	6.6747	2.2191	0.0072	8.9011	4.1631	1.0704	-0.1614	5.0722
217	42.4	41.8	6.6705	2.2165	0.0074	8.8944	4.1881	1.0591	-0.168	5.0793
218	43.6	42.2	6.667	2.2159	0.0071	8.89	4.215	1.0626	-0.1709	5.1068
219	44.4	42.4	6.6633	2.214	0.0074	8.8847	4.2695	1.0655	-0.1712	5.1638
220	42.5	42.6	6.6585	2.2134	0.0077	8.8796	4.3261	1.0579	-0.1757	5.2083
221	43.5	42.9	6.653	2.212	0.008	8.873	4.3699	1.051	-0.187	5.234
222	44.3	43.2	6.647	2.2104	0.0087	8.8661	4.426	1.0536	-0.1893	5.2904
223	43.3	43.5	6.641	2.2092	0.0094	8.8596	4.4378	1.0621	-0.1902	5.3097
224	44.1	43.7	6.6351	2.2077	0.0098	8.8526	4.4672	1.06	-0.1897	5.3374
225	44.6	44	6.6306	2.2067	0.0098	8.8471	4.5142	1.0499	-0.187	5.3771
226	41.4	44.5	6.6256	2.2055	0.0096	8.8407	4.5871	1.0325	-0.1863	5.4333
227	43.9	44.9	6.6226	2.2038	0.0094	8.8357	4.6789	1.0123	-0.1852	5.506
228	42.2	45.2	6.6178	2.1979	0.0101	8.8258	4.7324	1.0289	-0.186	5.5753
229	43.2	45.6	6.6061	2.1993	0.0108	8.8162	4.7966	1.0198	-0.1839	5.6325
230	45.7	45.9	6.6144	2.1964	0.0117	8.8225	4.8791	1.0165	-0.182	5.7136
231	45.7	46.2	6.6102	2.1953	0.0119	8.8174	4.9616	1.0275	-0.1819	5.8073
232	46	46.5	6.6071	2.1951	0.0118	8.814	5.0179	1.0396	-0.1786	5.8789
233	45.9	46.6	6.6025	2.1945	0.0119	8.8089	5.0483	1.0588	-0.1778	5.9294
234	48.1	46.7	6.5989	2.1942	0.012	8.805	5.1006	1.0703	-0.1738	5.9971
235	50.5	46.8	6.595	2.1934	0.0121	8.8005	5.1521	1.0763	-0.1729	6.0555
236	49.8	46.9	6.5918	2.1919	0.0122	8.7958	5.1947	1.0851	-0.1716	6.1082
237	49.5	47	6.5862	2.1921	0.0122	8.7905	5.2251	1.0881	-0.1731	6.1401
238	51.4	47.4	6.5796	2.1904	0.0121	8.7822	5.2635	1.0987	-0.175	6.1872
239	49.8	47.8	6.5736	2.1883	0.0123	8.7742	5.2935	1.1192	-0.1759	6.2368
240	48.8	48.2	6.5659	2.1875	0.0124	8.7658	5.3211	1.1191	-0.1796	6.2606
241	49.5	48.8	6.5602	2.1874	0.0123	8.7599	5.3495	1.1277	-0.1774	6.2998
242	45.3	49.4	6.554	2.1858	0.0126	8.7523	5.3758	1.1314	-0.1837	6.3235
243	46.4	50	6.5459	2.1843	0.013	8.7433	5.408	1.1318	-0.1945	6.3453
244	45.7	50.8	6.5388	2.1825	0.0134	8.7347	5.4331	1.1347	-0.1984	6.3695
245	43.9	51.7	6.5341	2.1822	0.0136	8.7299	5.4591	1.143	-0.1999	6.4023
246	45.9	52.6	6.5285	2.1815	0.014	8.724	5.466	1.1467	-0.2023	6.4104
247	49.6	53.7	6.5223	2.1805	0.0141	8.7169	5.4963	1.1508	-0.2037	6.4434
248	50.1	54.9	6.5175	2.1796	0.0141	8.7112	5.5277	1.1468	-0.2042	6.4702
249	54.8	56.2	6.5154	2.1762	0.0142	8.7058	5.5635	1.1573	-0.2022	6.5186
250	55.8	57.8	6.5084	2.1751	0.0142	8.6977	5.5907	1.1658	-0.2036	6.553

251	57.2	59.5	6.5029	2.1736	0.0143	8.6908	5.6388	1.1611	-0.2023	6.5976
252	57.7	61.7	6.4962	2.1724	0.0144	8.683	5.6947	1.1597	-0.2064	6.648
253	63.1	63.9	6.4901	2.1711	0.0145	8.6756	5.7403	1.1651	-0.2085	6.697
254	67.3	66	6.4842	2.1703	0.0146	8.6691	5.7858	1.1693	-0.2094	6.7456
255	67.4	68.6	6.4776	2.1697	0.0148	8.6621	5.8403	1.175	-0.2136	6.8017
256	71	71	6.472	2.1684	0.0153	8.6558	5.9217	1.1651	-0.2158	6.8709
257	73.9	73	6.4645	2.1679	0.0159	8.6484	5.9749	1.1634	-0.2202	6.9181
258	75.2	74.8	6.4575	2.1671	0.0162	8.6408	6.0386	1.1544	-0.221	6.9721
259	79.3	76.5	6.4521	2.1652	0.0162	8.6335	6.0734	1.1619	-0.219	7.0163
260	80.8	78.1	6.4431	2.165	0.0162	8.6243	6.1166	1.1741	-0.2286	7.0621
261	87.1	79.9	6.4338	2.1641	0.0164	8.6143	6.1601	1.1733	-0.239	7.0944
262	87.5	81.5	6.4258	2.1634	0.0165	8.6057	6.2023	1.1679	-0.2425	7.1277
263	87	82.8	6.4183	2.1627	0.0168	8.5978	6.2344	1.1654	-0.2444	7.1554
264	92.5	84.2	6.4116	2.1616	0.0171	8.5903	6.2879	1.1673	-0.2498	7.2053
265	91.2	85.6	6.4043	2.1606	0.018	8.5829	6.3335	1.1761	-0.2517	7.258
266	88.5	86.6	6.3996	2.1603	0.0186	8.5785	6.3587	1.1765	-0.2515	7.2836
267	84.9	87.9	6.3923	2.1595	0.0189	8.5707	6.3858	1.1757	-0.2487	7.3127
268	86.5	89.2	6.3851	2.1582	0.0189	8.5622	6.4261	1.1619	-0.2512	7.3369
269	86.5	90	6.3762	2.1575	0.0192	8.5528	6.4663	1.1683	-0.2609	7.3737
270	91.5	91.1	6.3693	2.1563	0.0203	8.5459	6.5065	1.1613	-0.2597	7.4081
271	86.7	91.7	6.362	2.1543	0.0203	8.5366	6.5399	1.164	-0.26	7.4439
272	89	92.4	6.3594	2.1513	0.0202	8.5309	6.5911	1.1563	-0.2645	7.4829
273	93.9	92.9	6.355	2.1498	0.0203	8.525	6.6186	1.15	-0.264	7.5046
274	93.3	93.1	6.349	2.1493	0.0204	8.5186	6.6236	1.1456	-0.2594	7.5098
275	90.9	93.6	6.3416	2.1489	0.0204	8.5109	6.6354	1.1516	-0.2559	7.5311
276	96.9	94.4	6.3331	2.1486	0.0206	8.5023	6.665	1.1582	-0.259	7.5642
277	100	95.1	6.3265	2.1471	0.021	8.4945	6.7007	1.1565	-0.2698	7.5874
278	95.3	95.9	6.3171	2.1474	0.0211	8.4856	6.7586	1.1513	-0.2756	7.6342
279	101	96.6	6.3071	2.1475	0.0211	8.4758	6.7901	1.0993	-0.2713	7.6181
280	99.9	97	6.2962	2.146	0.0213	8.4635	6.7461	1.1219	-0.2655	7.6025
281	99.5	97.8	6.2888	2.1444	0.0213	8.4545	6.9013	1.1051	-0.2582	7.7481
282	97.1	98.3	6.2828	2.1419	0.0214	8.4461	6.9534	1.1084	-0.2636	7.7982
283	96.6	98.6	6.2751	2.1401	0.0213	8.4366	7.0062	1.1221	-0.2699	7.8584
284	101	99.2	6.2682	2.1385	0.0215	8.4282	7.0663	1.1261	-0.2757	7.9168
285	102	100	6.2612	2.1373	0.0215	8.4201	7.073	1.1345	-0.2764	7.9311
286	99.8	100	6.2543	2.1366	0.0217	8.4127	7.112	1.1394	-0.2771	7.9744
287	101	100	6.2454	2.1354	0.0218	8.4026	7.161	1.1399	-0.2754	8.0255

288	100	101	6.2388	2.1334	0.022	8.3942	7.1975	1.1527	-0.2767	8.0734
289	98.7	101	6.2325	2.1324	0.0221	8.387	7.2031	1.1521	-0.2798	8.0754
290	102	101	6.226	2.1309	0.022	8.3789	7.237	1.1429	-0.2788	8.101
291	98.8	101	6.2187	2.13	0.0225	8.3712	7.2445	1.1443	-0.2796	8.1092
292	100	101	6.2116	2.1288	0.0235	8.3639	7.2621	1.1543	-0.2817	8.1347
293	103	102	6.2059	2.1274	0.0238	8.3572	7.249	1.1481	-0.2826	8.1144
294	106	102	6.2002	2.1257	0.0239	8.3497	7.2623	1.1391	-0.2808	8.1206
295	103	102	6.1954	2.1242	0.024	8.3436	7.2681	1.1269	-0.2795	8.1155
296	102	102	6.1894	2.1229	0.0243	8.3366	7.2987	1.1403	-0.2783	8.1607
297	104	102	6.1825	2.1217	0.0244	8.3287	7.3242	1.1518	-0.2805	8.1956
298	101	102	6.1747	2.1201	0.0246	8.3194	7.3425	1.1553	-0.2791	8.2187
299	101	102	6.1692	2.1185	0.025	8.3127	7.3796	1.1517	-0.279	8.2523
300	105	103	6.1623	2.1177	0.0252	8.3053	7.4406	1.1273	-0.2785	8.2893
301	101	103	6.1541	2.117	0.0257	8.2967	7.454	1.1217	-0.2844	8.2914
302	102	103	6.1474	2.1153	0.0257	8.2884	7.48	1.1146	-0.2881	8.3064
303	102	103	6.1392	2.1144	0.0257	8.2793	7.511	1.1145	-0.2946	8.3308
304	104	103	6.1305	2.1134	0.0262	8.27	7.5422	1.1119	-0.3093	8.3447
305	104	103	6.1198	2.1133	0.0266	8.2597	7.5711	1.1115	-0.3135	8.3691
306	103	104	6.1125	2.1128	0.027	8.2523	7.5799	1.1181	-0.3134	8.3846
307	102	104	6.1046	2.1119	0.0274	8.2439	7.6127	1.1184	-0.3058	8.4253
308	100	104	6.097	2.111	0.0279	8.236	7.618	1.122	-0.2978	8.4422
309	105	104	6.0896	2.1091	0.029	8.2277	7.6511	1.1239	-0.2952	8.4798
310	105	105	6.0817	2.1077	0.0299	8.2193	7.6861	1.123	-0.3016	8.5074
311	105	105	6.0745	2.1071	0.0303	8.2119	7.6525	1.1461	-0.3092	8.4893
312	103	105	6.0676	2.1063	0.0307	8.2047	7.6363	1.1571	-0.3133	8.4801
313	107	105	6.0597	2.1046	0.0314	8.1957	7.6383	1.1646	-0.3148	8.4882
314	104	106	6.0519	2.1032	0.0317	8.1868	7.6415	1.1763	-0.322	8.4958
315	111	106	6.0441	2.1025	0.0319	8.1785	7.682	1.1814	-0.3225	8.5409
316	105	107	6.0362	2.1016	0.0321	8.1698	7.6788	1.1842	-0.3229	8.5402
317	107	107	6.0279	2.1003	0.0325	8.1607	7.7121	1.1911	-0.3428	8.5604
318	108	108	6.0204	2.0991	0.0331	8.1526	7.7194	1.1963	-0.3415	8.5742
319	109	108	6.0126	2.0978	0.0334	8.1439	7.7454	1.1953	-0.3432	8.5974
320	106	108	6.0045	2.097	0.0337	8.1352	7.727	1.2012	-0.3417	8.5864
321	108	108	5.9939	2.0963	0.0345	8.1248	7.7361	1.195	-0.3333	8.5977
322	106	108	5.9851	2.0954	0.0351	8.1156	7.754	1.1842	-0.3363	8.6018
323	112	109	5.9786	2.0946	0.0354	8.1086	7.8545	1.1571	-0.3395	8.6721
324	108	109	5.9715	2.0925	0.0354	8.0995	7.9195	1.145	-0.3485	8.716

325	112	109	5.9641	2.0909	0.0357	8.0907	7.948	1.1458	-0.3606	8.7333
326	113	110	5.9555	2.0899	0.0366	8.082	7.9527	1.1567	-0.3688	8.7407
327	108	110	5.9467	2.0886	0.037	8.0723	7.9751	1.1546	-0.3692	8.7604
328	110	110	5.9388	2.088	0.0372	8.064	7.9949	1.1391	-0.4205	8.7135
329	110	111	5.9315	2.0871	0.0374	8.0559	8.0099	1.161	-0.4348	8.7361
330	107	111	5.9242	2.0859	0.0375	8.0477	7.9795	1.1708	-0.4406	8.7097
331	109	111	5.9149	2.0844	0.0383	8.0376	7.9733	1.1685	-0.4425	8.6993
332	113	111	5.9064	2.0829	0.0388	8.0282	7.9875	1.16	-0.4512	8.6963
333	113	111	5.8959	2.0818	0.0395	8.0172	7.9986	1.1409	-0.4599	8.6796
334	113	112	5.8916	2.0807	0.0396	8.0119	8.0076	1.1358	-0.4621	8.6812
335	113	112	5.8838	2.0795	0.0398	8.0031	8.0082	1.1246	-0.466	8.6668
336	113	112	5.8757	2.0779	0.0397	7.9933	8.0043	1.1289	-0.4684	8.6648
337	114	112	5.8664	2.0768	0.0399	7.9831	8.024	1.1342	-0.4761	8.6821
338	112	113	5.8593	2.0752	0.0401	7.9746	8.0154	1.1335	-0.4761	8.6728
339	113	113	5.8499	2.074	0.0402	7.9641	8.0232	1.1255	-0.4765	8.6722
340	112	113	5.8415	2.0731	0.0403	7.9549	8.0403	1.1405	-0.4863	8.6945
341	110	113	5.834	2.072	0.0405	7.9465	8.0445	1.1346	-0.4963	8.6827
342	110	113	5.8291	2.071	0.0408	7.9409	8.0464	1.1372	-0.5225	8.6612
343	116	113	5.8197	2.0704	0.0411	7.9312	8.0451	1.1463	-0.5209	8.6705
344	110	113	5.812	2.0698	0.0413	7.9231	8.0732	1.1372	-0.5457	8.6647
345	118	113	5.8042	2.0682	0.0415	7.9138	8.1203	1.1363	-0.5724	8.6843
346	114	113	5.7961	2.0663	0.042	7.9044	8.1599	1.1323	-0.5768	8.7155
347	117	113	5.7881	2.0649	0.042	7.895	8.1884	1.1396	-0.5919	8.7361
348	110	113	5.7795	2.0644	0.042	7.886	8.2263	1.1429	-0.5965	8.7726
349	109	113	5.7713	2.0635	0.0421	7.8768	8.2295	1.1366	-0.5965	8.7696
350	112	114	5.763	2.0629	0.0427	7.8686	8.2791	1.1353	-0.5958	8.8186
351	112	114	5.7549	2.0622	0.0431	7.8602	8.2868	1.1399	-0.5934	8.8332
352	120	115	5.7451	2.061	0.0439	7.8499	8.3461	1.1419	-0.5985	8.8895
353	114	115	5.7358	2.0599	0.0454	7.8411	8.3758	1.1351	-0.6193	8.8915
354	111	115	5.727	2.0591	0.046	7.8322	8.3777	1.1397	-0.6279	8.8895
355	116	115	5.7196	2.0579	0.0462	7.8236	8.3865	1.1473	-0.6277	8.9062
356	116	116	5.7108	2.0566	0.0459	7.8133	8.3608	1.1582	-0.6286	8.8904
357	114	116	5.7027	2.0557	0.0457	7.8042	8.3643	1.1657	-0.6323	8.8976
358	114	117	5.6924	2.0547	0.0457	7.7928	8.3694	1.1702	-0.6318	8.9078
359	119	117	5.6835	2.0529	0.0464	7.7827	8.3663	1.171	-0.6283	8.909
360	118	118	5.6779	2.0504	0.0471	7.7754	8.3804	1.1666	-0.6221	8.9249
361	119	118	5.6702	2.0484	0.0477	7.7663	8.3987	1.139	-0.628	8.9097

362	117	119	5.662	2.0469	0.048	7.7569	8.4438	1.1423	-0.6421	8.9441
363	123	119	5.6541	2.0451	0.049	7.7482	8.4731	1.1555	-0.6514	8.9772
364	117	119	5.6434	2.0435	0.0494	7.7362	8.4708	1.1502	-0.6515	8.9695
365	116	120	5.6365	2.0421	0.0503	7.7289	8.478	1.144	-0.6445	8.9774
366	124	120	5.6284	2.0412	0.0529	7.7225	8.4819	1.1431	-0.6385	8.9865
367	124	121	5.6204	2.0399	0.053	7.7133	8.483	1.1473	-0.6431	8.9873
368	120	121	5.6105	2.0387	0.0532	7.7024	8.4932	1.1522	-0.6439	9.0015
369	124	121	5.6035	2.0373	0.0534	7.6942	8.5071	1.1511	-0.6407	9.0175
370	123	122	5.5957	2.0368	0.0536	7.6861	8.5195	1.146	-0.6342	9.0313
371	124	122	5.5866	2.0359	0.0539	7.6764	8.5314	1.147	-0.6282	9.0501
372	120	122	5.574	2.0356	0.0541	7.6637	8.5343	1.1613	-0.6287	9.0668
373	121	123	5.5631	2.0353	0.0551	7.6534	8.5044	1.2013	-0.6247	9.081
374	124	123	5.5542	2.0347	0.0564	7.6453	8.4502	1.274	-0.6221	9.1021
375	122	123	5.5463	2.0332	0.0573	7.6368	8.4979	1.2807	-0.6235	9.1551
376	123	124	5.5356	2.0332	0.0575	7.6262	8.4613	1.3388	-0.6333	9.1668
377	124	124	5.527	2.0332	0.063	7.6232	8.3609	1.4609	-0.633	9.1888
378	121	124	5.5161	2.0313	0.0646	7.612	8.4116	1.4087	-0.6366	9.1837
379	126	124	5.5092	2.0304	0.0652	7.6048	8.44	1.3989	-0.6366	9.2022
380	127	124	5.4989	2.0291	0.0655	7.5936	8.419	1.4524	-0.6348	9.2365
381	121	124	5.4901	2.0284	0.0664	7.5849	8.4455	1.4381	-0.6305	9.2531
382	126	124	5.483	2.0278	0.0674	7.5781	8.5091	1.3955	-0.627	9.2777
383	125	125	5.4744	2.0265	0.0676	7.5685	8.5023	1.4288	-0.6379	9.2933
384	126	125	5.4674	2.026	0.0681	7.5616	8.4027	1.4852	-0.6303	9.2576
385	125	125	5.4608	2.0244	0.0684	7.5536	8.5686	1.4002	-0.628	9.3409
386	126	125	5.4519	2.0232	0.0693	7.5445	8.4743	1.5025	-0.6273	9.3494
387	128	125	5.4439	2.0221	0.0694	7.5353	8.4441	1.4926	-0.6291	9.3076
388	129	126	5.4365	2.0209	0.0696	7.527	8.2972	1.703	-0.6298	9.3704
389	123	126	5.4284	2.0184	0.0707	7.5175	8.5006	1.5766	-0.6281	9.4492
390	122	126	5.4216	2.0174	0.0716	7.5106	8.464	1.6809	-0.6223	9.5225
391	122	127	5.4141	2.0162	0.0748	7.5051	8.499	1.5823	-0.6177	9.4636
392	125	127	5.4071	2.0142	0.0756	7.4969	8.4574	1.6382	-0.6163	9.4793
393	127	127	5.3986	2.0137	0.0784	7.4907	8.3845	1.7357	-0.6141	9.5061
394	125	127	5.3881	2.0121	0.0811	7.4813	8.4458	1.6906	-0.6177	9.5188
395	125	127	5.3794	2.011	0.0817	7.4721	8.3708	1.7947	-0.6214	9.5441
396	130	127	5.3706	2.0089	0.0834	7.463	8.2636	1.9855	-0.6192	9.6299
397	130	127	5.3599	2.0074	0.0841	7.4514	8.4532	1.877	-0.6711	9.659
398	126	128	5.3517	2.0064	0.0843	7.4424	8.4202	1.9028	-0.6856	9.6374

399	130	128	5.3413	2.005	0.0846	7.4309	8.4737	1.8772	-0.6797	9.6713
400	136	129	5.3337	2.0038	0.0845	7.422	8.4945	1.8689	-0.6878	9.6756
401	125	129	5.3195	2.0028	0.0855	7.4078	8.4599	1.9589	-0.6888	9.7301
402	129	130	5.3098	2.0018	0.0876	7.3992	8.3678	2.0743	-0.6911	9.7509
403	129	130	5.3014	2.0004	0.0885	7.3903	8.3229	2.1356	-0.6898	9.7687
404	129	131	5.2918	1.9987	0.0889	7.3794	8.3098	2.1455	-0.6721	9.7831
405	130	131	5.2837	1.9975	0.0894	7.3706	8.4076	2.0636	-0.6653	9.806
406	129	131	5.2761	1.9962	0.0903	7.3625	8.3168	2.2114	-0.6691	9.8591
407	132	131	5.2676	1.9949	0.0905	7.3531	8.3924	2.079	-0.6769	9.7945
408	131	132	5.2604	1.9939	0.0907	7.3451	8.1638	2.601	-0.6801	10.0848
409	132	132	5.2516	1.9924	0.0912	7.3352	7.7305	2.7687	-0.6685	9.8307
410	134	132	5.2418	1.9938	0.0927	7.3283	7.8685	2.6076	-0.6601	9.8159
411	140	133	5.2301	1.9929	0.0945	7.3175	7.9106	2.6127	-0.6515	9.8718
412	133	134	5.2203	1.9907	0.0959	7.3069	7.9592	2.5456	-0.6468	9.858
413	132	135	5.2126	1.9896	0.0965	7.2988	7.8558	2.6644	-0.6493	9.8709
414	132	135	5.2041	1.9888	0.0962	7.289	7.85	2.7002	-0.6434	9.9068
415	131	136	5.1959	1.9882	0.0958	7.2799	7.8119	2.7457	-0.6351	9.9225
416	135	136	5.1879	1.9868	0.0964	7.2711	7.5775	2.9902	-0.6234	9.9443
417	138	137	5.1786	1.9851	0.0969	7.2605	7.511	3.041	-0.5978	9.9542
418	138	138	5.1697	1.984	0.0972	7.2508	7.5218	3.0321	-0.5986	9.9553
419	135	138	5.1607	1.9832	0.0968	7.2407	7.6415	2.9212	-0.5972	9.9655
420	142	138	5.1514	1.9823	0.0965	7.2302	7.7723	2.857	-0.6014	10.028
421	140	138	5.1405	1.9802	0.0973	7.2181	7.8791	2.7298	-0.5989	10.01
422	145	139	5.1347	1.9752	0.0976	7.2075	7.8931	2.689	-0.5984	9.9838
423	141	139	5.1336	1.9672	0.0976	7.1984	7.8272	2.7251	-0.5981	9.9542
424	141	140	5.1217	1.9645	0.0978	7.1839	7.8109	2.731	-0.5858	9.9561
425	138	140	5.1179	1.957	0.0991	7.174	7.7867	2.7708	-0.572	9.9856
426	143	140	5.1195	1.9438	0.0999	7.1631	7.5968	3.0147	-0.5649	10.0466
427	144	140	5.1056	1.9478	0.1006	7.1539	7.5552	3.0293	-0.5679	10.0166
428	139	141	5.0948	1.9481	0.1009	7.1438	7.4516	3.1607	-0.5182	10.0942
429	138	141	5.0896	1.9419	0.1008	7.1323	7.795	2.8531	-0.5032	10.1449
430	140	141	5.0797	1.9421	0.1006	7.1224	8.0123	2.6024	-0.4941	10.1206
431	141	141	5.064	1.9449	0.101	7.1098	7.7057	2.9779	-0.4887	10.1949
432	138	141	5.0562	1.94	0.1026	7.0989	7.5941	2.9897	-0.4791	10.1047
433	144	141	5.0556	1.9333	0.1025	7.0914	7.571	3.0686	-0.4682	10.1714
434	144	141	5.0347	1.9407	0.1024	7.0778	7.1461	3.522	-0.4654	10.2028
435	138	141	5.0364	1.9292	0.1025	7.0681	7.034	3.6344	-0.4599	10.2086

436	139	142	5.0313	1.9286	0.1026	7.0625	7.0745	3.6064	-0.4572	10.2237
437	141	141	5.0367	1.9065	0.1029	7.0461	7.0094	3.6558	-0.4491	10.2161
438	142	142	5.0093	1.9176	0.1029	7.0297	7.1251	3.6079	-0.4466	10.2864
439	143	142	5.0035	1.9059	0.1024	7.0119	7.2446	3.4845	-0.447	10.282
440	139	143	4.9916	1.9148	0.1021	7.0085	7.1676	3.5444	-0.4368	10.2752
441	138	144	4.9882	1.9082	0.1021	6.9985	7.5828	3.1176	-0.4266	10.2737
442	145	145	4.9906	1.8974	0.1022	6.9902	7.1068	3.6394	-0.3929	10.3533
443	144	145	4.9751	1.9014	0.1029	6.9793	7.0381	3.7196	-0.3788	10.3789
444	146	145	4.9749	1.8904	0.1034	6.9687	6.7998	3.9451	-0.3501	10.3948
445	144	145	4.9778	1.8696	0.1034	6.9508	6.5414	4.2079	-0.3274	10.4219
446	141	146	4.9508	1.8786	0.1091	6.9385	6.3286	4.4084	-0.3215	10.4154
447	150	147	4.946	1.8747	0.1106	6.9313	6.2254	4.4866	-0.304	10.408
448	148	147	4.9321	1.8767	0.11	6.9188	6.2788	4.4497	-0.2983	10.4302
449	152	148	4.9219	1.8766	0.1108	6.9093	6.182	4.5438	-0.2975	10.4283
450	155	148	4.917	1.867	0.1115	6.8956	6.0186	4.7013	-0.2942	10.4257
451	151	149	4.9181	1.8547	0.1123	6.8851	5.9157	4.746	-0.2947	10.367
452	146	149	4.9128	1.8474	0.1128	6.8731	5.9811	4.655	-0.283	10.3532
453	151	150	4.9049	1.8453	0.1126	6.8628	5.8261	4.8266	-0.2725	10.3802
454	148	150	4.8863	1.8528	0.1125	6.8516	5.7332	4.8765	-0.2611	10.3485
455	152	151	4.8879	1.8367	0.1131	6.8377	5.7634	4.824	-0.2533	10.3342
456	155	151	4.8715	1.8487	0.1136	6.8338	6.0199	4.6007	-0.2462	10.3744
457	147	151	4.8863	1.7956	0.1137	6.7957	5.8899	4.7621	-0.2373	10.4147
458	160	152	4.9194	1.7778	0.1126	6.8098	5.7356	4.9408	-0.2363	10.4402
459	150	152	4.8966	1.7921	0.1124	6.8011	5.598	5.0701	-0.2333	10.4348
460	146	152	4.8868	1.7891	0.1123	6.7882	5.7654	4.8365	-0.2276	10.3742
461	152	152	4.8743	1.7938	0.1124	6.7805	5.63	5.0008	-0.2101	10.4207
462	153	153	4.8764	1.7805	0.1129	6.7698	5.6308	4.9535	-0.1886	10.3957
463	151	153	4.8691	1.7751	0.1133	6.7575	5.5173	5.0051	-0.1752	10.3473
464	154	153	4.8622	1.7689	0.1129	6.744	5.6336	4.9557	-0.1715	10.4178
465	156	153	4.8787	1.7431	0.1126	6.7344	5.5667	4.987	-0.1733	10.3804
466	153	153	4.8773	1.7371	0.1127	6.7271	5.3808	5.1864	-0.1771	10.3901
467	159	153	4.8682	1.7367	0.1129	6.7178	5.4808	5.1057	-0.1714	10.4151
468	147	152	4.8464	1.7465	0.1129	6.7059	5.443	5.1484	-0.1676	10.4237
469	155	152	4.8263	1.7516	0.1135	6.6914	5.3011	5.2965	-0.1639	10.4338
470	158	152	4.8078	1.7639	0.1135	6.6851	5.3108	5.2906	-0.1658	10.4356
471	157	152	4.7973	1.767	0.1137	6.678	5.2193	5.371	-0.1678	10.4226
472	153	151	4.7913	1.763	0.114	6.6683	5.4556	5.1148	-0.1595	10.4109

473	154	151	4.782	1.7622	0.1137	6.6578	5.6139	4.933	-0.1571	10.3898
474	155	151	4.7755	1.7576	0.1136	6.6467	5.5462	5.0316	-0.159	10.4187
475	148	151	4.7866	1.7317	0.1138	6.6322	5.3529	5.127	-0.1614	10.3185
476	143	150	4.7801	1.7302	0.1143	6.6246	5.3228	5.1474	-0.1481	10.3221
477	144	150	4.7818	1.7171	0.1148	6.6138	5.4297	5.0196	-0.1393	10.3101
478	147	150	4.7366	1.746	0.1149	6.5975	5.3828	5.0617	-0.1367	10.3078
479	148	149	4.708	1.7702	0.1146	6.5927	5.6005	4.8274	-0.137	10.2909
480	143	149	4.7283	1.7314	0.1144	6.5741	5.8614	4.5192	-0.1372	10.2434
481	148	148	4.7307	1.7294	0.1143	6.5744	5.7952	4.5653	-0.1395	10.221
482	150	147	4.7259	1.721	0.1142	6.561	5.6218	4.7078	-0.1359	10.1936
483	151	147	4.7598	1.6743	0.1141	6.5482	5.5852	4.7217	-0.1197	10.1871
484	148	146	4.764	1.6626	0.1141	6.5407	5.746	4.5539	-0.12	10.1799
485	149	145	4.7534	1.6638	0.1141	6.5312	5.7815	4.4939	-0.1289	10.1466
486	144	145	4.751	1.6576	0.1142	6.5229	5.7115	4.5176	-0.1265	10.1026
487	147	145	4.7313	1.6613	0.1141	6.5067	5.6518	4.6116	-0.1237	10.1397
488	149	145	4.712	1.6724	0.1143	6.4988	5.7358	4.4509	-0.1208	10.0659
489	149	145	4.7117	1.664	0.1144	6.49	5.4846	4.6357	-0.1191	10.0013
490	142	145	4.6633	1.7057	0.1143	6.4832	5.4315	4.5978	-0.1268	9.9025
491	141	144	4.7034	1.6523	0.1141	6.4698	5.3556	4.7241	-0.1318	9.948
492	138	144	4.7033	1.6422	0.1135	6.459	5.3979	4.7308	-0.1347	9.9941
493	137	144	4.7186	1.6192	0.1134	6.4512	5.2609	4.8562	-0.1346	9.9825
494	140	144	4.734	1.5913	0.1138	6.4391	5.0304	5.047	-0.1294	9.948
495	142	143	4.7466	1.5701	0.1139	6.4305	4.9784	5.0263	-0.1246	9.8801
496	140	143	4.7481	1.5603	0.1139	6.4222	5.2936	4.6177	-0.1288	9.7825
497	141	142	4.732	1.5625	0.1139	6.4084	5.0584	4.737	-0.0699	9.7255
498	145	141	4.7335	1.5521	0.114	6.3996	4.9715	4.8205	-0.0567	9.7352
499	145	141	4.7395	1.5348	0.114	6.3883	4.8468	4.9241	-0.0652	9.7056
500	144	141	4.7421	1.5292	0.114	6.3853	4.7855	4.98	-0.0538	9.7117
501	151	141	4.7214	1.5373	0.1138	6.3724	4.7816	4.9161	-0.0429	9.6549
502	145	141	4.7272	1.5191	0.1149	6.3612	4.9048	4.7938	-0.0347	9.6639
503	144	141	4.7281	1.5128	0.1146	6.3555	4.9912	4.6473	-0.0289	9.6096
504	137	141	4.7155	1.5163	0.1143	6.346	4.9182	4.7482	-0.0246	9.6418
505	135	141	4.6817	1.5375	0.114	6.3332	4.6077	4.9796	-0.0258	9.5615
506	135	140	4.6871	1.52	0.114	6.3211	4.5424	5.0043	-0.018	9.5287
507	136	140	4.6941	1.5008	0.1142	6.3091	4.4636	5.0863	-0.0192	9.5307
508	139	139	4.7006	1.4869	0.1141	6.3016	4.6475	4.5891	-0.018	9.2187
509	140	139	4.6751	1.5088	0.1139	6.2978	5.1527	4.3187	-0.034	9.4374

510	137	138	4.6788	1.4937	0.1137	6.2863	4.9084	4.5634	-0.044	9.4278
511	141	137	4.667	1.4976	0.1133	6.2779	4.8992	4.5109	-0.0469	9.3631
512	142	136	4.6686	1.4902	0.1134	6.2722	4.8092	4.6211	-0.0461	9.3842
513	140	136	4.6492	1.4941	0.1137	6.257	5.0477	4.3651	-0.0386	9.3742
514	137	136	4.6474	1.4901	0.1135	6.251	4.8815	4.5187	-0.0303	9.3699
515	134	136	4.6578	1.4695	0.1135	6.2408	4.2689	5.0594	-0.0348	9.2935
516	136	135	4.6398	1.4763	0.1135	6.2296	4.1682	5.1384	-0.0369	9.2697
517	131	135	4.6343	1.4702	0.1137	6.2182	4.0793	5.2049	-0.0341	9.2501
518	133	135	4.6395	1.4543	0.1136	6.2075	4.0328	5.2763	-0.0325	9.2765
519	128	135	4.6296	1.4542	0.1134	6.1972	3.8102	5.4509	-0.0352	9.226
520	136	134	4.6294	1.4452	0.1133	6.1879	3.6383	5.5184	-0.028	9.1288
521	130	134	4.5949	1.4687	0.1133	6.177	3.5881	5.5871	-0.03	9.1452
522	138	134	4.5733	1.4819	0.1133	6.1685	3.6954	5.5452	-0.0321	9.2085
523	133	134	4.579	1.4641	0.1135	6.1566	3.5224	5.7268	-0.0321	9.2172
524	130	133	4.5864	1.4518	0.1139	6.1521	3.2252	5.9151	-0.0368	9.1036
525	132	133	4.5856	1.4423	0.1139	6.1418	3.3573	5.7292	-0.0378	9.0487
526	130	133	4.5765	1.4418	0.1138	6.1321	3.3513	5.668	-0.038	8.9814
527	133	133	4.5673	1.4416	0.1143	6.1232	3.4979	5.5125	-0.0332	8.9772
528	136	133	4.5348	1.4654	0.1146	6.1147	3.5941	5.3699	-0.0274	8.9365
529	134	133	4.5034	1.4899	0.1146	6.1079	3.3364	5.6446	-0.0241	8.9569
530	135	132	4.5002	1.4856	0.1145	6.1003	3.1081	5.8129	-0.0297	8.8912
531	139	132	4.5018	1.4741	0.1146	6.0905	3.3149	5.5402	-0.0395	8.8156
532	135	132	4.4977	1.4679	0.1146	6.0801	3.4164	5.5131	-0.043	8.8865
533	133	132	4.481	1.4779	0.1145	6.0734	3.3852	5.4796	-0.0437	8.8211
534	130	132	4.4565	1.4913	0.1153	6.0632	3.8465	4.9884	-0.0438	8.7911
535	130	132	4.4652	1.4775	0.1152	6.0579	3.917	4.9723	-0.042	8.8473
536	134	132	4.4661	1.4675	0.115	6.0486	3.7694	5.1232	-0.0479	8.8447
537	128	131	4.4631	1.4614	0.1149	6.0395	3.6675	5.1579	-0.0461	8.7793
538	128	131	4.4608	1.454	0.1148	6.0296	4.2882	4.5054	-0.0464	8.7472
539	129	130	4.4604	1.4462	0.1151	6.0216	3.8792	4.9108	-0.0438	8.7462
540	130	130	4.456	1.4424	0.1153	6.0137	4.026	4.7593	-0.0389	8.7464
541	132	130	4.4484	1.4351	0.1156	5.9991	3.6394	5.1556	-0.0396	8.7554
542	127	129	4.4645	1.4118	0.1157	5.992	4.1574	4.6129	-0.0443	8.726
543	130	129	4.4721	1.3967	0.1158	5.9845	4.3305	4.4191	-0.0566	8.693
544	130	129	4.4771	1.3877	0.1159	5.9807	4.6014	4.1306	-0.0658	8.6661
545	127	129	4.4485	1.4078	0.1163	5.9726	4.8978	3.7909	-0.0607	8.6281
546	127	128	4.445	1.4049	0.1161	5.966	5.1035	3.5902	-0.0597	8.634

547	125	128	4.4489	1.3926	0.1162	5.9577	5.2452	3.3979	-0.0603	8.5829
548	129	128	4.4475	1.3843	0.1165	5.9483	5.361	3.2882	-0.0574	8.5918
549	127	128	4.4433	1.3786	0.1162	5.9381	5.3734	3.2749	-0.0566	8.5917
550	130	128	4.4389	1.3754	0.1158	5.9301	5.489	3.102	-0.056	8.535
551	130	127	4.4276	1.3754	0.1157	5.9187	5.7513	2.8774	-0.0585	8.5702
552	129	127	4.4137	1.3827	0.1157	5.9121	5.7018	2.9205	-0.0577	8.5645
553	126	127	4.413	1.3705	0.1151	5.8986	6.031	2.557	-0.0451	8.5429
554	126	127	4.4255	1.3548	0.1151	5.8954	6.4978	2.0455	-0.0456	8.4977
555	130	126	4.4337	1.3363	0.1149	5.8848	6.5841	1.975	-0.0726	8.4865
556	126	126	4.4252	1.3401	0.1155	5.8807	6.3736	2.2061	-0.0977	8.4821
557	126	126	4.4216	1.3367	0.1155	5.8738	6.5675	1.9663	-0.1009	8.4329
558	127	125	4.4041	1.3459	0.116	5.866	6.7968	1.6919	-0.0981	8.3906
559	126	125	4.4058	1.3358	0.1168	5.8584	7.043	1.5253	-0.0965	8.4718
560	121	124	4.3969	1.338	0.117	5.8519	6.9867	1.5538	-0.0958	8.4448
561	120	123	4.3934	1.3317	0.117	5.8421	7.1136	1.4313	-0.1006	8.4442
562	126	123	4.3717	1.3439	0.1168	5.8324	7.3808	1.1472	-0.1043	8.4236
563	126	123	4.381	1.3232	0.1163	5.8205	7.281	1.2801	-0.1012	8.4598
564	126	123	4.4353	1.263	0.1164	5.8146	7.0683	1.4133	-0.0962	8.3854
565	121	122	4.4619	1.2293	0.1163	5.8075	7.1011	1.4193	-0.0971	8.4233
566	117	122	4.4694	1.2166	0.1161	5.8021	7.3942	1.1146	-0.0973	8.4115
567	117	122	4.4649	1.2091	0.1161	5.7901	7.2517	1.2386	-0.0986	8.3917
568	118	122	4.4654	1.2014	0.1165	5.7833	7.2163	1.2287	-0.0982	8.3469
569	120	122	4.4624	1.1998	0.1163	5.7785	7.3817	1.0355	-0.099	8.3182
570	119	122	4.449	1.2051	0.1165	5.7706	7.2854	1.1255	-0.1009	8.31
571	120	122	4.4277	1.2125	0.1169	5.7571	7.3948	1.0007	-0.104	8.2915
572	120	122	4.439	1.1904	0.1172	5.7465	7.1353	1.2526	-0.102	8.286
573	123	121	4.4595	1.1707	0.1174	5.7475	7.0788	1.3081	-0.1017	8.2852
574	124	121	4.4398	1.1847	0.1174	5.7419	7.1022	1.2139	-0.0969	8.2191
575	121	121	4.4515	1.1649	0.1176	5.734	7.2852	1.09	-0.0883	8.287
576	121	122	4.4303	1.179	0.1176	5.7269	7.4414	0.9072	-0.088	8.2606
577	125	122	4.4224	1.1801	0.1176	5.7201	7.2834	1.0436	-0.0923	8.2347
578	127	122	4.403	1.1815	0.1173	5.7018	7.276	1.0571	-0.0868	8.2462
579	125	123	4.3972	1.1889	0.1176	5.7036	7.0556	1.2477	-0.0814	8.2219
580	119	123	4.3968	1.1773	0.1183	5.6925	6.9618	1.3828	-0.0796	8.2649
581	121	123	4.389	1.1781	0.1186	5.6857	7.1634	1.1904	-0.0788	8.2749
582	119	124	4.3873	1.173	0.1185	5.6789	7.3316	0.9922	-0.0812	8.2427
583	121	124	4.3751	1.1755	0.1185	5.6691	7.548	0.7644	-0.08	8.2325

584	122	124	4.3723	1.1654	0.1183	5.656	7.4961	0.804	-0.0826	8.2175
585	127	124	4.3764	1.1514	0.1189	5.6467	7.2835	0.9878	-0.0791	8.1923
586	125	124	4.3842	1.1419	0.1188	5.6449	7.4737	0.8416	-0.0803	8.2351
587	123	124	4.3025	1.2108	0.1187	5.632	7.4857	0.8117	-0.0808	8.2167
588	126	124	4.3241	1.1813	0.1187	5.6241	7.7595	0.5001	-0.0782	8.1814
589	128	124	4.3091	1.188	0.1183	5.6154	7.9057	0.2775	-0.075	8.1082
590	125	124	4.2993	1.1901	0.1183	5.6077	7.9241	0.2512	-0.0692	8.1062
591	126	125	4.2876	1.191	0.1185	5.5972	7.8553	0.3202	-0.0672	8.1083
592	125	125	4.2702	1.2003	0.1191	5.5897	7.7881	0.3006	-0.0661	8.0226
593	124	126	4.2585	1.2061	0.12	5.5846	8.1489	-0.0266	-0.066	8.0563
594	123	126	4.2442	1.2122	0.1199	5.5763	8.6609	-0.565	-0.065	8.031
595	124	126	4.2362	1.2111	0.1198	5.5671	8.5751	-0.4456	-0.0622	8.0673
596	126	126	4.2235	1.2205	0.1199	5.5639	8.3214	-0.2013	-0.0597	8.0604
597	129	126	4.1959	1.2337	0.1196	5.5492	8.5199	-0.3977	-0.063	8.0592
598	124	127	4.1962	1.2246	0.1197	5.5404	8.6944	-0.5962	-0.0621	8.0361
599	126	127	4.1906	1.2246	0.1196	5.5348	8.2983	-0.2437	-0.0606	7.994
600	128	127	4.167	1.2414	0.1199	5.5282	8.2721	-0.2487	-0.0627	7.9607
601	126	127	4.1512	1.2452	0.1196	5.516	8.4435	-0.4138	-0.0629	7.9668
602	128	127	4.1241	1.2634	0.1194	5.5069	8.4443	-0.4233	-0.0627	7.9583
603	130	127	4.0783	1.3082	0.1192	5.5057	8.4716	-0.5335	-0.0636	7.8745
604	122	127	4.0571	1.3188	0.1215	5.4973	8.5416	-0.6177	-0.0685	7.8554
605	126	128	4.0443	1.3168	0.1238	5.485	8.7787	-0.7896	-0.0691	7.92
606	132	128	4.0303	1.3234	0.1241	5.4778	8.7836	-0.8544	-0.07	7.8592
607	131	128	4.0144	1.3317	0.124	5.47	8.8931	-0.9399	-0.0629	7.8903
608	131	128	3.9963	1.3344	0.1237	5.4544	8.8744	-0.9265	-0.0611	7.8868
609	132	128	3.9764	1.3534	0.1235	5.4533	8.9127	-0.9932	-0.0601	7.8594
610	127	128	3.9675	1.3506	0.1238	5.4418	9.2118	-1.2925	-0.0527	7.8665
611	127	128	3.9289	1.3829	0.1238	5.4355	9.114	-1.2063	-0.0501	7.8576
612	129	128	3.9405	1.3622	0.1235	5.4262	9.1457	-1.2759	-0.0523	7.8175
613	123	128	3.9424	1.3527	0.1233	5.4185	9.4068	-1.568	-0.0545	7.7843
614	126	129	3.9373	1.3481	0.1232	5.4087	9.763	-2.004	-0.0569	7.702
615	128	129	3.9184	1.3581	0.1232	5.3997	10.463	-2.6639	-0.0553	7.7438
616	130	129	3.9146	1.3524	0.1234	5.3904	11.0999	-3.2894	-0.0581	7.7525
617	128	129	3.9127	1.3474	0.1235	5.3835	11.255	-3.4324	-0.0645	7.7581
618	128	130	3.9014	1.3508	0.1235	5.3756	11.2992	-3.5612	-0.076	7.662
619	127	130	3.9011	1.3416	0.1235	5.3662	11.4553	-3.7125	-0.0741	7.6687
620	135	130	3.89	1.3451	0.1237	5.3587	11.5014	-3.719	-0.0767	7.7057

621	126	130	3.8814	1.3435	0.1235	5.3484	11.6815	-3.9009	-0.0894	7.6911
622	132	131	3.8654	1.3511	0.1235	5.34	11.6903	-3.9801	-0.0975	7.6127
623	131	132	3.8688	1.3427	0.1232	5.3346	12.1696	-4.4901	-0.0988	7.5806
624	132	132	3.8579	1.3428	0.1227	5.3234	12.4456	-4.6403	-0.0968	7.7085
625	133	133	3.8415	1.3516	0.1227	5.3157	12.24	-4.4863	-0.0977	7.656
626	132	133	3.8481	1.3375	0.1231	5.3086	12.4304	-4.6953	-0.0954	7.6397
627	136	133	3.8397	1.3359	0.123	5.2985	12.2527	-4.5473	-0.0958	7.6096
628	139	133	3.8292	1.3406	0.1227	5.2925	12.2644	-4.5466	-0.0928	7.625
629	133	134	3.8072	1.3517	0.1225	5.2814	12.5081	-4.8938	-0.0944	7.5199
630	132	134	3.7838	1.3665	0.1224	5.2728	12.4684	-4.781	-0.0931	7.5943
631	136	134	3.7686	1.3749	0.1227	5.2662	12.5247	-4.8749	-0.0846	7.5652
632	138	134	3.7429	1.3914	0.1226	5.2569	12.4438	-4.7649	-0.0932	7.5856
633	137	134	3.7314	1.3975	0.1228	5.2517	12.4141	-4.7412	-0.107	7.566
634	133	134	3.7282	1.3926	0.1232	5.244	12.3477	-4.7196	-0.1079	7.5201
635	132	134	3.7179	1.3933	0.1232	5.2343	12.446	-4.852	-0.1197	7.4743
636	132	134	3.7175	1.3863	0.1231	5.2269	12.6055	-4.9789	-0.1163	7.5102
637	135	133	3.6872	1.4114	0.1227	5.2214	12.7395	-5.105	-0.1165	7.518
638	133	133	3.6702	1.4262	0.1223	5.2188	12.0398	-4.4687	-0.1151	7.456
639	134	133	3.6679	1.421	0.122	5.211	12.3202	-4.7563	-0.115	7.4489
640	132	132	3.6705	1.4104	0.122	5.2029	12.1825	-4.6491	-0.118	7.4154
641	133	132	3.6696	1.4051	0.1222	5.1969	12.1535	-4.6274	-0.1169	7.4091
642	136	131	3.6496	1.4144	0.1223	5.1864	12.111	-4.6298	-0.113	7.3682
643	128	131	3.606	1.4532	0.1223	5.1814	11.9006	-4.4409	-0.1077	7.352
644	133	130	3.6196	1.4323	0.1221	5.174	11.6605	-4.1872	-0.101	7.3723
645	127	130	3.6163	1.428	0.1222	5.1666	11.5631	-4.0893	-0.1034	7.3704
646	130	129	3.593	1.4447	0.1224	5.16	11.4923	-4.046	-0.1041	7.3422
647	130	129	3.5795	1.4522	0.1224	5.1541	11.3482	-3.8685	-0.1123	7.3675
648	127	128	3.6176	1.4087	0.1226	5.1489	11.0583	-3.6437	-0.1206	7.294
649	125	128	3.6161	1.4034	0.1225	5.142	11.054	-3.6718	-0.1209	7.2613
650	126	127	3.5945	1.4168	0.1221	5.1334	11.0312	-3.6437	-0.1191	7.2684
651	127	127	3.5832	1.4177	0.122	5.1229	10.8349	-3.4014	-0.1488	7.2847
652	126	127	3.5665	1.4361	0.1221	5.1247	10.6966	-3.2981	-0.1662	7.2323
653	120	127	3.5589	1.4323	0.1219	5.1131	10.3633	-2.9571	-0.205	7.2012
654	126	126	3.5476	1.4338	0.122	5.1034	9.6353	-2.0204	-0.4143	7.2007
655	124	126	3.5553	1.4217	0.1219	5.0989	9.1509	-1.5917	-0.3829	7.1763
656	124	126	3.5359	1.4341	0.1218	5.0917	8.9832	-1.469	-0.3617	7.1525
657	123	126	3.5342	1.4294	0.1216	5.0852	8.7356	-1.2984	-0.3618	7.0754

658	127	125	3.5128	1.4453	0.122	5.0801	8.5329	-1.1224	-0.3646	7.0458
659	125	126	3.4846	1.4651	0.122	5.0717	8.4189	-1.1147	-0.3692	6.935
660	129	125	3.4855	1.4587	0.122	5.0662	8.3485	-0.9876	-0.3719	6.989
661	133	125	3.4788	1.4593	0.1222	5.0603	8.205	-0.86	-0.3655	6.9796
662	124	125	3.431	1.5007	0.1222	5.054	8.116	-0.7453	-0.3624	7.0083
663	126	125	3.4047	1.5236	0.122	5.0503	7.9454	-0.6694	-0.3648	6.9111
664	125	125	3.389	1.5293	0.1219	5.0402	7.9528	-0.6769	-0.3685	6.9074
665	122	125	3.3519	1.5582	0.1221	5.0322	8.0127	-0.7573	-0.3726	6.8828
666	125	125	3.3439	1.5598	0.1226	5.0263	7.6206	-0.3897	-0.3756	6.8553
667	125	125	3.335	1.5652	0.1238	5.0239	7.4751	-0.2845	-0.3745	6.8161
668	126	124	3.3198	1.5727	0.1239	5.0164	7.3031	-0.102	-0.3803	6.8209
669	124	124	3.3123	1.5717	0.124	5.008	7.1182	0.0596	-0.3851	6.7927
670	122	123	3.2808	1.5952	0.1255	5.0015	7.1763	-0.0124	-0.3991	6.7648
671	122	123	3.2587	1.6105	0.1267	4.9959	7.2752	-0.1138	-0.412	6.7495
672	124	122	3.2221	1.6394	0.127	4.9885	7.2953	-0.1729	-0.4196	6.7028
673	123	122	3.2149	1.6347	0.127	4.9766	7.1115	-0.0077	-0.4193	6.6845
674	120	122	3.2158	1.6333	0.1272	4.9763	7.1806	-0.0207	-0.4708	6.6891
675	123	122	3.2085	1.6345	0.1271	4.97	7.13	0.0065	-0.4732	6.6633
676	123	122	3.205	1.6337	0.1272	4.9659	7.1888	-0.0499	-0.4709	6.668
677	116	122	3.196	1.6348	0.1269	4.9576	7.3409	-0.1958	-0.4662	6.6789
678	121	122	3.1522	1.6709	0.1267	4.9498	7.2598	-0.1767	-0.4725	6.6106
679	121	121	3.1503	1.667	0.1269	4.9442	7.2521	-0.1592	-0.4821	6.6108
680	119	121	3.1444	1.6648	0.1268	4.936	7.0672	-0.0188	-0.4848	6.5636
681	117	121	3.1447	1.6546	0.1279	4.9272	7.1012	0.1349	-0.516	6.7201
682	122	121	3.1459	1.6471	0.1292	4.9223	7.4282	-0.2733	-0.5453	6.6097
683	125	120	3.1403	1.6475	0.1293	4.9171	7.2212	-0.1681	-0.5519	6.5013
684	123	120	3.1277	1.6506	0.1303	4.9085	7.2868	-0.2581	-0.5513	6.4774
685	121	120	3.1159	1.6493	0.1305	4.8957	7.2316	-0.181	-0.5478	6.5028
686	120	120	3.1103	1.6524	0.1305	4.8931	7.132	-0.1225	-0.5452	6.4643
687	122	120	3.0986	1.6576	0.1302	4.8864	7.2255	-0.2105	-0.5623	6.4528
688	122	120	3.0921	1.657	0.1302	4.8792	7.0891	0.0022	-0.6102	6.4811
689	117	120	3.0908	1.6529	0.1301	4.8738	6.9264	0.2154	-0.6256	6.5162
690	121	120	3.084	1.6528	0.13	4.8668	6.8865	0.2335	-0.6331	6.4869
691	115	121	3.0765	1.654	0.1298	4.8603	6.9557	0.1549	-0.633	6.4776
692	116	121	3.0801	1.6444	0.1299	4.8545	7.4869	-0.371	-0.6298	6.4861
693	120	121	3.0925	1.6248	0.1301	4.8474	7.2086	-0.0166	-0.628	6.5639
694	120	121	3.0879	1.6211	0.1302	4.8392	6.8697	0.2505	-0.6244	6.4957

695	119	121	3.087	1.6157	0.1302	4.8329	7.3023	-0.2044	-0.6239	6.4739
696	121	121	3.0887	1.6073	0.1311	4.8272	7.2257	-0.1043	-0.6292	6.4922
697	122	121	3.0901	1.598	0.1317	4.8198	6.9515	0.1507	-0.624	6.4781
698	121	121	3.0908	1.5918	0.1318	4.8143	6.7712	0.3626	-0.6187	6.5151
699	123	120	3.0874	1.589	0.1315	4.808	7.1354	0.008	-0.6162	6.5272
700	122	120	3.0835	1.5816	0.1347	4.7998	7.9596	-0.7872	-0.6656	6.5068
701	126	120	3.0815	1.575	0.1362	4.7928	8.4293	-1.1861	-0.7569	6.4863
702	124	120	3.0877	1.5591	0.1399	4.7868	8.0938	-0.8363	-0.7914	6.4662
703	126	121	3.1148	1.5103	0.1606	4.7856	7.8162	-0.4707	-0.7941	6.5514
704	120	120	3.142	1.4779	0.1598	4.7797	7.8339	-0.5014	-0.7944	6.5382
705	118	120	3.146	1.4637	0.16	4.7697	8.2759	-1.0297	-0.7904	6.4558
706	121	120	3.1568	1.4532	0.1603	4.7702	8.497	-1.1201	-0.79	6.5869
707	118	119	3.1611	1.4439	0.1604	4.7654	8.0858	-0.6958	-0.7886	6.6015
708	116	119	3.1544	1.4459	0.1606	4.7609	7.9367	-0.6534	-0.7831	6.5002
709	118	119	3.1415	1.4521	0.1607	4.7544	7.6776	-0.371	-0.7764	6.5302
710	117	119	3.147	1.4366	0.1603	4.7439	7.3247	-0.0248	-0.7732	6.5267
711	118	118	3.1173	1.4574	0.16	4.7347	7.4424	-0.1377	-0.7713	6.5333
712	120	118	3.146	1.4292	0.16	4.7351	7.4394	-0.1059	-0.7648	6.5687
713	114	118	3.1471	1.4204	0.1602	4.7277	6.8957	0.4431	-0.7628	6.576
714	117	118	3.1361	1.4239	0.1605	4.7204	6.7273	0.6564	-0.7655	6.6183
715	115	118	3.1564	1.397	0.1608	4.7142	6.6952	0.6666	-0.7685	6.5933
716	115	118	3.1671	1.3809	0.1608	4.7088	6.1184	1.214	-0.7703	6.5621
717	118	118	3.1823	1.3576	0.1615	4.7014	6.1181	1.1994	-0.7788	6.5388
718	122	119	3.1895	1.3448	0.162	4.6964	6.1379	1.2538	-0.7713	6.6205
719	117	119	3.1834	1.3429	0.1634	4.6897	6.0615	1.2593	-0.7646	6.5563
720	116	119	3.1624	1.3565	0.1649	4.6838	6.123	1.1941	-0.7653	6.5518
721	120	119	3.1519	1.3608	0.1655	4.6781	5.8489	1.4504	-0.7503	6.549
722	126	119	3.1543	1.3519	0.1654	4.6716	5.6272	1.6547	-0.7388	6.5431
723	120	120	3.1507	1.3447	0.1703	4.6657	5.3336	1.9634	-0.7395	6.5576
724	122	120	3.1449	1.3421	0.17	4.6571	5.3238	1.9052	-0.7437	6.4853
725	121	121	3.1226	1.3566	0.1697	4.6489	5.345	1.9132	-0.7433	6.515
726	119	121	3.114	1.357	0.1697	4.6407	5.3085	1.9687	-0.7455	6.5317
727	119	122	3.1137	1.3536	0.1702	4.6375	5.5797	1.7802	-0.746	6.6139
728	121	122	3.104	1.3565	0.1709	4.6314	5.6	1.6995	-0.7574	6.5421
729	122	123	3.1005	1.3536	0.171	4.6251	5.7861	1.7379	-1.0034	6.5206
730	120	124	3.0737	1.353	0.174	4.6008	5.7462	1.8138	-1.0025	6.5575
731	120	124	3.0258	1.4022	0.1772	4.6052	5.8212	1.7322	-1.0053	6.5481

732	127	125	3.0208	1.4082	0.1778	4.6068	5.7807	1.7391	-0.9974	6.5225
733	120	125	3.0027	1.4233	0.1779	4.604	5.7182	1.8555	-0.9893	6.5845
734	126	125	3.005	1.4107	0.178	4.5937	5.6909	1.9084	-0.9937	6.6056
735	127	126	3.0047	1.4055	0.1777	4.5879	5.5602	1.9754	-0.9847	6.5509
736	129	127	2.995	1.4073	0.1793	4.5816	5.3928	2.0618	-0.9776	6.4771
737	127	127	2.9783	1.4112	0.1838	4.5733	5.3617	2.1327	-0.9812	6.5132
738	133	128	2.9776	1.4047	0.1849	4.5672	5.6721	1.8315	-0.989	6.5145
739	132	128	2.9793	1.3977	0.1853	4.5623	5.7617	1.743	-0.9892	6.5156
740	130	129	2.9749	1.3949	0.1853	4.5551	5.7003	1.8032	-0.9999	6.5036
741	131	129	2.9209	1.4422	0.1852	4.5482	5.7267	1.801	-1.0131	6.5147
742	130	130	2.9288	1.4161	0.1851	4.53	5.7291	1.8038	-1.023	6.5099
743	130	130	2.919	1.4281	0.1847	4.5319	5.7212	1.8227	-1.0194	6.5245
744	133	130	2.8893	1.4527	0.1845	4.5266	5.7699	1.8013	-1.0347	6.5364
745	128	130	2.8938	1.4384	0.1852	4.5173	5.7518	1.7997	-1.0536	6.4979
746	133	130	2.8978	1.4296	0.1848	4.5122	5.7437	1.7963	-1.0592	6.4808
747	135	130	2.9023	1.416	0.1843	4.5026	5.8578	1.6782	-1.0595	6.4765
748	131	130	2.9041	1.4079	0.1842	4.4961	5.9398	1.5669	-1.0526	6.4541
749	128	130	2.8201	1.4822	0.189	4.4913	6.0621	1.4439	-1.0433	6.4627
750	130	131	2.7516	1.5354	0.1978	4.4848	6.0861	1.4262	-1.0172	6.4951
751	129	130	2.7738	1.5013	0.2011	4.4763	6.1655	1.2334	-0.961	6.4379
752	127	130	2.7849	1.4831	0.2015	4.4695	6.2723	1.0833	-0.9354	6.4202
753	130	131	2.7755	1.4824	0.2013	4.4592	6.2828	1.0388	-0.8582	6.4635
754	126	131	2.7201	1.5367	0.201	4.4578	6.5804	0.5613	-0.6328	6.5089
755	134	131	2.7056	1.5337	0.2009	4.4402	6.689	0.4338	-0.6362	6.4866
756	129	131	2.7273	1.5036	0.2006	4.4316	6.7738	0.3251	-0.633	6.4659
757	135	131	2.7405	1.4947	0.2	4.4351	6.9077	0.2711	-0.6342	6.5446
758	132	131	2.7451	1.4824	0.1996	4.4271	7.0873	0.0871	-0.6379	6.5365
759	132	130	2.7521	1.4675	0.1994	4.419	7.0815	0.1171	-0.6363	6.5623
760	129	130	2.7412	1.4725	0.1991	4.4128	7.0948	0.0857	-0.6307	6.5498
761	130	130	2.7349	1.4699	0.1987	4.4034	7.3481	-0.2271	-0.6366	6.4844
762	133	131	2.7414	1.4564	0.1985	4.3963	7.1014	-0.0388	-0.6562	6.4064
763	133	131	2.7319	1.458	0.1986	4.3885	7.5889	-0.4663	-0.6589	6.4636
764	131	131	2.7195	1.4627	0.1988	4.3809	7.705	-0.5768	-0.6588	6.4694
765	132	130	2.74	1.4368	0.1991	4.376	7.5995	-0.4868	-0.683	6.4297
766	134	130	2.7321	1.4399	0.2004	4.3724	7.9673	-0.8208	-0.7391	6.4074
767	129	130	2.7212	1.4398	0.2009	4.3619	8.0363	-0.8724	-0.7478	6.416
768	124	130	2.7137	1.4468	0.2003	4.3608	8.1587	-1.0048	-0.7584	6.3955

769	127	130	2.7	1.4523	0.2005	4.3528	8.2082	-1.0777	-0.7604	6.37
770	129	130	2.6959	1.4502	0.2005	4.3466	8.1594	-1.0506	-0.7467	6.3621
771	132	129	2.696	1.445	0.2006	4.3416	7.8657	-0.7408	-0.8098	6.3151
772	131	129	2.6887	1.443	0.201	4.3327	7.6153	-0.4388	-0.8402	6.3363
773	127	129	2.6825	1.4442	0.2014	4.3281	7.6046	-0.4049	-0.8258	6.3739
774	125	129	2.6813	1.442	0.2015	4.3248	7.5316	-0.384	-0.765	6.3825
775	127	129	2.6776	1.4376	0.2017	4.3169	7.4831	-0.3909	-0.7625	6.3296
776	132	128	2.647	1.4557	0.2018	4.3045	7.2819	-0.1988	-0.751	6.3321
777	133	128	2.636	1.4648	0.2026	4.3034	7.1834	-0.1275	-0.7376	6.3183
778	127	128	2.5735	1.4971	0.2271	4.2978	7.3405	-0.2648	-0.7456	6.3302
779	128	128	2.5757	1.4856	0.2271	4.2884	7.2958	-0.2039	-0.7714	6.3205
780	127	128	2.5623	1.4916	0.2273	4.2812	7.3598	-0.2336	-0.8094	6.3168
781	127	128	2.5666	1.4807	0.2276	4.2749	7.0482	-0.1276	-0.8076	6.113
782	129	128	2.5741	1.4616	0.2282	4.2639	6.6481	0.3528	-0.7945	6.2063
783	128	128	2.5713	1.4566	0.2286	4.2565	6.6956	0.3881	-0.8093	6.2744
784	130	128	2.5717	1.453	0.2287	4.2535	6.5538	0.5532	-0.83	6.2771
785	126	129	2.5766	1.4431	0.2283	4.248	6.5651	0.4914	-0.8543	6.2021
786	128	128	2.5741	1.4391	0.2286	4.2418	6.5776	0.5014	-0.8967	6.1823
787	126	128	2.5313	1.4745	0.2291	4.2349	6.4964	0.5952	-0.9138	6.1778
788	126	128	2.5159	1.4827	0.2291	4.2277	6.3866	0.6167	-0.887	6.1162
789	132	128	2.5208	1.4726	0.2301	4.2235	6.4074	0.5824	-0.8848	6.105
790	125	128	2.5113	1.4727	0.2313	4.2153	6.5484	0.4512	-0.8705	6.1292
791	131	128	2.5036	1.4736	0.2321	4.2094	6.6745	0.3359	-0.8939	6.1165
792	126	128	2.508	1.4622	0.2318	4.202	6.369	0.6627	-0.9635	6.0682
793	132	128	2.5155	1.4447	0.2336	4.1937	6.6694	0.2398	-0.9753	5.9339
794	129	128	2.5127	1.4411	0.2356	4.1894	6.4718	0.4827	-0.9717	5.9828
795	130	127	2.5126	1.4361	0.2362	4.1848	6.0591	0.9209	-0.9937	5.9863
796	129	127	2.5029	1.4395	0.2371	4.1795	6.0074	0.9389	-1.0141	5.9321
797	126	127	2.4961	1.4413	0.237	4.1744	5.9402	1.0198	-1.0254	5.9346
798	128	126	2.4846	1.4474	0.2361	4.168	6.1473	0.7718	-1.0424	5.8767
799	126	126	2.4788	1.4464	0.2332	4.1584	6.3674	0.6156	-1.0306	5.9523
800	130	125	2.4669	1.4582	0.2308	4.156	5.5694	1.2667	-0.9921	5.844
801	126	125	2.4543	1.4667	0.2297	4.1507	4.9753	1.8026	-0.9431	5.8348
802	124	125	2.4595	1.4553	0.2257	4.1404	5.2754	1.421	-0.894	5.8025
803	126	124	2.4567	1.4541	0.2239	4.1348	5.4427	1.2337	-0.8896	5.7867
804	120	124	2.4731	1.4346	0.2234	4.131	5.3546	1.2614	-0.8825	5.7335
805	120	124	2.4686	1.4312	0.2233	4.1231	4.9144	1.7446	-0.8862	5.7729

806	120	123	2.466	1.4261	0.2237	4.1158	4.8006	1.7183	-0.8978	5.621
807	118	123	2.4524	1.4352	0.2242	4.1118	5.116	1.4004	-0.9045	5.6119
808	118	122	2.4463	1.4342	0.2243	4.1047	5.3544	1.2346	-0.9366	5.6524
809	124	122	2.4321	1.4436	0.2238	4.0994	5.4989	1.1068	-0.9743	5.6314
810	120	121	2.4122	1.4593	0.224	4.0955	5.8084	0.8255	-0.9832	5.6506
811	121	121	2.4072	1.4613	0.2256	4.0941	5.6841	0.9391	-0.9886	5.6346
812	122	120	2.3871	1.4758	0.2259	4.0888	5.4466	1.0278	-0.9336	5.5407
813	126	120	2.3766	1.4781	0.226	4.0808	5.5236	0.9067	-0.9185	5.5119
814	124	120	2.3761	1.4725	0.2288	4.0774	5.4234	0.9994	-0.9238	5.499
815	117	120	2.3596	1.4791	0.2347	4.0734	5.3097	1.0603	-0.9243	5.4457
816	120	120	2.3635	1.4681	0.2356	4.0672	5.6098	0.7761	-0.9357	5.4502
817	121	120	2.3665	1.458	0.2373	4.0619	5.6407	0.7326	-0.9221	5.4513
818	119	120	2.3687	1.4526	0.2381	4.0594	5.5973	0.6935	-0.913	5.3777
819	117	120	2.3675	1.4479	0.2381	4.0535	5.4575	0.8652	-0.9178	5.4049
820	116	120	2.3759	1.4306	0.2459	4.0523	5.2481	1.0458	-0.9175	5.3764
821	117	119	2.3903	1.4047	0.2495	4.0445	5.2845	1.0274	-0.9288	5.3831
822	118	119	2.3938	1.3924	0.248	4.0342	5.4957	0.8102	-0.9238	5.3821
823	122	119	2.3976	1.3831	0.2468	4.0275	5.4221	0.836	-0.922	5.3361
824	117	119	2.3966	1.3812	0.2463	4.0241	5.3814	0.973	-0.9518	5.4026
825	120	119	2.3944	1.3764	0.2449	4.0157	5.283	1.0758	-1.0119	5.3469
826	116	119	2.3957	1.3698	0.2434	4.0089	5.3471	0.93	-0.9839	5.2932
827	119	119	2.3796	1.38	0.2448	4.0045	5.0692	1.1031	-0.9537	5.2185
828	124	119	2.3744	1.3769	0.248	3.9994	4.9592	1.2558	-0.9497	5.2654
829	117	119	2.3645	1.3769	0.2519	3.9934	4.3126	1.6287	-0.6994	5.2419
830	118	118	2.3689	1.3658	0.2548	3.9895	4.3117	1.5588	-0.6962	5.1742
831	123	118	2.361	1.3669	0.2567	3.9846	4.1609	1.6598	-0.6951	5.1255
832	122	118	2.3512	1.3694	0.2587	3.9793	4.2163	1.5717	-0.6909	5.0971
833	120	117	2.3473	1.368	0.2609	3.9763	4.3088	1.4067	-0.6872	5.0284
834	119	116	2.3485	1.3615	0.2634	3.9735	4.2441	1.4522	-0.6846	5.0117
835	119	116	2.3469	1.3554	0.2674	3.9697	4.2932	1.418	-0.6824	5.0289
836	114	115	2.3453	1.3478	0.2707	3.9638	4.3714	1.327	-0.6753	5.0231
837	115	114	2.3396	1.3495	0.2725	3.9616	4.4195	1.2906	-0.6667	5.0434
838	115	113	2.3368	1.3465	0.2733	3.9567	3.9531	1.6763	-0.6522	4.9772
839	114	113	2.3245	1.3526	0.2724	3.9494	3.813	1.7832	-0.6359	4.9603
840	109	112	2.3075	1.3613	0.2747	3.9435	3.9189	1.6802	-0.6245	4.9746
841	111	111	2.284	1.3759	0.2815	3.9414	3.8397	1.697	-0.6119	4.9248
842	107	111	2.2618	1.3921	0.2826	3.9366	3.7663	1.7455	-0.5924	4.9194

843	110	110	2.2718	1.3798	0.2819	3.9336	3.8106	1.6628	-0.5738	4.8996
844	109	109	2.2834	1.3606	0.2839	3.928	3.9364	1.4629	-0.5469	4.8524
845	103	109	2.293	1.3445	0.2866	3.9241	4.2537	1.3	-0.526	5.0277
846	103	108	2.3038	1.3276	0.2873	3.9188	4.4617	1.0289	-0.603	4.8877
847	104	108	2.2876	1.3388	0.2886	3.915	5.3771	0.5687	-0.975	4.9707
848	106	107	2.2674	1.3463	0.2872	3.9009	5.287	0.2512	-0.8325	4.7058
849	109	106	2.2632	1.3555	0.2882	3.9069	5.0195	0.4565	-0.7812	4.6947
850	107	106	2.254	1.3552	0.2921	3.9013	4.9339	0.4761	-0.7992	4.6108
851	111	106	2.2463	1.3592	0.2905	3.896	4.8772	0.5633	-0.8095	4.631
852	109	106	2.2406	1.3598	0.2905	3.8909	4.8968	0.561	-0.8134	4.6444
853	106	105	2.24	1.3563	0.2896	3.8859	5.0405	0.371	-0.8488	4.5627
854	104	105	2.2286	1.3623	0.2896	3.8805	5.1093	0.3322	-0.9016	4.5398
855	107	105	2.2256	1.3619	0.2907	3.8781	5.3197	0.1029	-0.9322	4.4903
856	106	104	2.2157	1.3636	0.2911	3.8704	5.2748	0.067	-0.9068	4.435
857	102	104	2.205	1.3712	0.2936	3.8699	5.2429	0.0336	-0.8702	4.4063
858	102	104	2.1952	1.3717	0.2971	3.8639	5.038	0.2414	-0.8592	4.4202
859	107	104	2.1713	1.385	0.2977	3.854	5.0623	0.1821	-0.8689	4.3755
860	99.8	104	2.1728	1.3785	0.298	3.8494	5.0408	0.2134	-0.8958	4.3584
861	102	103	2.1902	1.3671	0.2921	3.8494	4.8326	0.4091	-0.872	4.3697
862	102	103	2.189	1.3658	0.2903	3.8452	4.789	0.4386	-0.8223	4.4053
863	101	102	2.1896	1.358	0.2909	3.8386	4.5602	0.622	-0.7934	4.3889
864	101	103	2.1885	1.3567	0.2912	3.8363	4.5307	0.6046	-0.7818	4.3536
865	100	102	2.1791	1.3592	0.2927	3.831	4.6642	0.4496	-0.726	4.3878
866	103	102	2.168	1.3666	0.2926	3.8273	4.5994	0.4468	-0.6485	4.3978
867	104	102	2.1615	1.3705	0.2922	3.8241	4.7278	0.2683	-0.6551	4.341
868	102	102	2.1679	1.3602	0.2921	3.8203	4.7529	0.1763	-0.6297	4.2994
869	102	102	2.1752	1.3477	0.2922	3.8151	4.912	0.0513	-0.5976	4.3657
870	102	102	2.1675	1.3475	0.2934	3.8083	5.0401	-0.1191	-0.6028	4.3182
871	103	101	2.1464	1.364	0.293	3.8034	5.1841	-0.2733	-0.5548	4.356
872	97.7	101	2.1465	1.3594	0.2932	3.7991	5.4467	-0.6076	-0.5433	4.2958
873	105	101	2.1444	1.3469	0.2966	3.7878	5.609	-0.8082	-0.564	4.2368
874	101	101	2.153	1.3344	0.3027	3.7901	5.7036	-0.8913	-0.5845	4.2278
875	104	100	2.1429	1.3446	0.3	3.7876	5.7069	-0.84	-0.6234	4.2434
876	103	100	2.1401	1.3454	0.2972	3.7827	5.6185	-0.7779	-0.6584	4.1822
877	102	99.9	2.14	1.3392	0.2976	3.7769	5.5695	-0.7374	-0.6731	4.159
878	100	99.7	2.1423	1.3342	0.297	3.7736	5.4292	-0.6033	-0.6611	4.1648
879	96.6	99.4	2.1445	1.3297	0.2967	3.771	5.434	-0.6069	-0.6499	4.1772

880	97.6	99.2	2.1462	1.3256	0.2968	3.7686	5.322	-0.5553	-0.6193	4.1474
881	97.9	99.1	2.145	1.3235	0.2967	3.7652	5.3545	-0.5907	-0.6353	4.1286
882	95.1	99	2.1432	1.3209	0.2969	3.761	5.2502	-0.5103	-0.6265	4.1134
883	98.5	98.7	2.1468	1.3114	0.2971	3.7553	5.1512	-0.4296	-0.6115	4.1101
884	92.9	98.6	2.1424	1.3112	0.297	3.7506	4.9898	-0.3294	-0.5818	4.0786
885	100	98.5	2.1395	1.3104	0.2958	3.7457	5.0212	-0.3417	-0.5581	4.1215
886	98.1	98.3	2.1321	1.31	0.2953	3.7375	5.0377	-0.3566	-0.5351	4.1461
887	97.6	98.1	2.136	1.3069	0.2943	3.7372	5.1043	-0.4278	-0.5128	4.1637
888	97.2	97.8	2.1346	1.3043	0.2927	3.7316	5.0321	-0.3771	-0.4987	4.1563
889	99	97.7	2.1289	1.3046	0.2925	3.726	4.9547	-0.3274	-0.4898	4.1375
890	100	97.7	2.1274	1.303	0.2925	3.7229	4.781	-0.1787	-0.4971	4.1053
891	96.5	97.8	2.127	1.2991	0.2913	3.7174	4.5854	-0.0486	-0.4617	4.0752
892	99.5	97.8	2.127	1.2959	0.2892	3.7121	4.2903	0.213	-0.3873	4.116
893	97.7	97.6	2.1218	1.2984	0.2883	3.7085	4.0381	0.4293	-0.3794	4.0881
894	102	97.7	2.0873	1.3111	0.2882	3.6867	4.2604	0.2364	-0.3602	4.1366
895	99.7	97.6	2.0664	1.3332	0.2965	3.6961	4.4994	-0.0687	-0.3432	4.0876
896	98	97.3	1.9652	1.3827	0.3346	3.6824	4.6157	-0.1659	-0.3296	4.1203
897	95.3	97.2	1.9674	1.4162	0.3202	3.7039	4.7838	-0.3675	-0.3153	4.101
898	93.3	97.2	1.9826	1.4017	0.3142	3.6986	4.7771	-0.3622	-0.299	4.1159
899	97.9	96.9	1.9854	1.3988	0.3132	3.6974	4.5793	-0.2853	-0.3025	3.9915
900	99.1	96.9	1.9792	1.4019	0.3118	3.6929	4.5748	-0.1699	-0.3014	4.1034
901	95.2	97.1	1.9646	1.4106	0.3111	3.6863	4.5547	-0.1948	-0.2693	4.0906
902	95.6	97	1.9554	1.4182	0.3106	3.6842	4.5136	-0.1448	-0.2788	4.0901
903	94.7	97.1	1.9458	1.4209	0.3141	3.6808	4.4287	-0.0719	-0.2767	4.08
904	97.5	96.9	1.9411	1.4243	0.3166	3.682	4.4444	-0.0744	-0.2799	4.0901
905	92.7	97.1	1.9412	1.4245	0.3139	3.6796	4.4174	-0.055	-0.2818	4.0806
906	95.2	97.4	1.9417	1.4228	0.3107	3.6751	4.4762	-0.0707	-0.2777	4.1278
907	97.4	97.7	1.9486	1.411	0.3101	3.6698	4.4391	-0.1067	-0.264	4.0683
908	94.3	98.3	1.94	1.416	0.3112	3.6672	4.2881	0.056	-0.2414	4.1026
909	100	98.6	1.928	1.4222	0.3133	3.6636	4.2061	0.0962	-0.2013	4.101
910	100	98.6	1.9289	1.4184	0.3112	3.6585	3.9325	0.289	-0.1847	4.0368
911	96.9	98.8	1.9283	1.4174	0.3079	3.6535	3.8747	0.3383	-0.1802	4.0328
912	99	99	1.931	1.4136	0.3052	3.6499	4.0287	0.3255	-0.2708	4.0835
913	98.8	99.4	1.9236	1.4176	0.3042	3.6454	4.2445	0.1698	-0.3436	4.0707
914	103	99.5	1.9097	1.4276	0.3014	3.6386	4.3227	0.0877	-0.3635	4.047
915	103	99.7	1.8997	1.4344	0.2995	3.6336	4.3476	0.0658	-0.376	4.0373
916	102	99.7	1.8907	1.4413	0.3011	3.6331	4.2884	0.0763	-0.3737	3.991

917	105	99.5	1.8912	1.4404	0.3003	3.6319	4.2311	0.1398	-0.3922	3.9787
918	102	99.3	1.8775	1.4474	0.2978	3.6228	4.3175	0.0906	-0.4188	3.9894
919	101	99.1	1.8635	1.4598	0.2984	3.6217	4.4315	-0.0528	-0.3967	3.982
920	97.7	98.9	1.8574	1.4579	0.3014	3.6167	5.3699	-0.1538	-1.0509	4.1652
921	99.1	98.9	1.8457	1.4654	0.3038	3.6149	6.0641	-0.3729	-1.6927	3.9985
922	103	98.7	1.8329	1.4732	0.3044	3.6105	5.9742	-0.3091	-1.7571	3.908
923	100	98.7	1.8272	1.4723	0.3052	3.6047	6.1726	-0.5556	-1.7532	3.8638
924	95.5	98.2	1.8259	1.4652	0.3086	3.5998	6.424	-0.9239	-1.7063	3.7937
925	94.8	97.9	1.8326	1.4542	0.3107	3.5975	6.7228	-1.2457	-1.6476	3.8295
926	94.5	97.5	1.8388	1.4435	0.3107	3.593	6.8344	-1.256	-1.6985	3.8799
927	90.9	97	1.8367	1.4404	0.3109	3.588	6.9773	-1.4108	-1.7319	3.8346
928	96	96.8	1.831	1.4376	0.313	3.5817	7.1274	-1.5978	-1.7291	3.8005
929	96.3	96.7	1.8323	1.4324	0.3139	3.5786	7.2669	-1.7387	-1.6487	3.8794
930	97.5	96.8	1.8335	1.4249	0.3183	3.5766	7.469	-1.9201	-1.6816	3.8673
931	94.1	96.7	1.836	1.418	0.3193	3.5733	7.3451	-1.7688	-1.707	3.8693
932	99.3	96.4	1.8361	1.4124	0.3199	3.5683	7.2528	-1.6909	-1.68	3.8818
933	94.7	96.2	1.8483	1.401	0.3191	3.5684	7.0907	-1.4979	-1.6647	3.9281
934	96.4	96.3	1.8464	1.3957	0.3192	3.5613	7.0558	-1.4044	-1.7686	3.8828
935	94.8	96.4	1.8431	1.3911	0.3209	3.5551	7.0266	-1.3906	-1.7807	3.8553
936	96.1	96.1	1.8349	1.3906	0.322	3.5475	6.9347	-1.29	-1.7996	3.845
937	97	96.3	1.8364	1.3873	0.3223	3.546	6.814	-1.129	-1.8615	3.8235
938	99.1	96.3	1.8414	1.3792	0.3223	3.5429	6.7732	-1.0546	-1.8571	3.8615
939	99.9	96.2	1.8463	1.3704	0.3221	3.5389	6.7199	-1.0072	-1.848	3.8646
940	98.1	96	1.8489	1.3662	0.3209	3.536	6.5924	-0.8167	-1.9419	3.8337
941	96.2	95.8	1.855	1.3546	0.3202	3.5298	6.5295	-0.7722	-1.8986	3.8586
942	96	95.4	1.858	1.3492	0.3206	3.5278	6.496	-0.7658	-1.8684	3.8617
943	98.7	95.5	1.8458	1.3562	0.3179	3.5199	6.4741	-0.8081	-1.8187	3.8473
944	95.1	95.4	1.8335	1.3675	0.3182	3.5192	6.4242	-0.7504	-1.8289	3.8449
945	89.6	95.2	1.8315	1.3611	0.3195	3.5121	5.922	-0.4282	-1.83	3.6637
946	95	95	1.8254	1.3644	0.3189	3.5087	5.3678	0.1938	-1.7345	3.8271
947	95.3	94.9	1.8099	1.375	0.3185	3.5034	4.2512	0.8479	-1.3566	3.7425
948	94.3	94.3	1.8094	1.3748	0.3175	3.5018	4.2853	1.2755	-1.531	4.0298
949	94.2	94.1	1.8057	1.3725	0.3184	3.4966	4.4657	1.169	-1.6168	4.0178
950	89.7	94	1.7986	1.3747	0.3191	3.4923	4.5568	1.1315	-1.6491	4.0393
951	92.7	93.8	1.7949	1.3737	0.3184	3.487	4.6162	1.8195	-2.5004	3.9353
952	96.4	93.3	1.7978	1.367	0.3181	3.4828	4.5869	2.1047	-2.748	3.9436
953	94	92.8	1.7956	1.3637	0.3176	3.4769	4.4629	2.2146	-2.7173	3.9601

954	91.6	92.6	1.7869	1.3678	0.3178	3.4725	4.3649	2.2655	-2.6889	3.9414
955	92.9	92.7	1.7779	1.369	0.3185	3.4653	4.3725	2.2526	-2.6522	3.9729
956	93.9	92.2	1.7718	1.3743	0.3175	3.4635	4.4504	2.2253	-2.6771	3.9985
957	88	91.8	1.7762	1.3656	0.3178	3.4596	4.508	2.1735	-2.7054	3.9761
958	95.6	91.7	1.7746	1.3621	0.3172	3.4538	4.5746	2.056	-2.6587	3.972
959	97.2	91.4	1.778	1.3561	0.3162	3.4503	4.4444	2.1231	-2.5884	3.9791
960	91.9	91.4	1.7854	1.3447	0.316	3.4461	4.2674	2.2733	-2.5666	3.974
961	87.3	91	1.7873	1.3346	0.3191	3.441	4.2293	2.3056	-2.5703	3.9647
962	89.2	90.7	1.7646	1.3488	0.3247	3.4381	4.2102	2.325	-2.5886	3.9466
963	91.4	90.3	1.7573	1.3493	0.3273	3.4339	4.21	2.3271	-2.5924	3.9447
964	91.4	90	1.7537	1.3501	0.3288	3.4326	4.1127	2.4237	-2.5628	3.9736
965	85.9	89.7	1.7502	1.3516	0.3301	3.4319	3.8231	2.6741	-2.5851	3.9121
966	87.3	89.4	1.7449	1.3526	0.3319	3.4294	3.6659	2.779	-2.5224	3.9225
967	92.2	89.6	1.7297	1.3614	0.3341	3.4252	3.5869	2.9045	-2.567	3.9244
968	87.3	89.4	1.7248	1.3655	0.3318	3.4221	3.4918	2.9995	-2.4998	3.9916
969	90.3	88.9	1.6382	1.3631	0.3973	3.3986	3.5967	3.1089	-2.4676	4.238
970	85.2	88.8	1.5611	1.3848	0.4627	3.4085	3.5092	3.2852	-2.7987	3.9957
971	90.7	88.8	1.549	1.3949	0.4687	3.4126	3.4905	3.191	-2.7069	3.9746
972	86.1	89.1	1.5292	1.415	0.4685	3.4127	3.3685	3.2253	-2.6158	3.978
973	86	89.2	1.502	1.4393	0.4672	3.4085	3.2704	3.2818	-2.5707	3.9814
974	88	89.1	1.4807	1.459	0.4675	3.4071	3.2249	3.274	-2.5416	3.9573
975	87.9	89.5	1.4595	1.4702	0.4699	3.3996	3.2925	3.1633	-2.4907	3.965
976	91	89.8	1.4424	1.4865	0.4703	3.3992	3.4709	2.9977	-2.4633	4.0053
977	91.7	89.8	1.4273	1.499	0.4705	3.3968	3.5693	2.8863	-2.4739	3.9816
978	87.3	90.2	1.4156	1.5081	0.4619	3.3856	3.5717	2.9199	-2.5094	3.9822
979	90.5	90.5	1.3976	1.5218	0.4649	3.3843	3.5134	2.8885	-2.4387	3.9632
980	88.6	91.1	1.4117	1.5025	0.4675	3.3817	3.578	2.8218	-2.4294	3.9704
981	94.6	91.4	1.4197	1.4926	0.4647	3.377	3.5959	2.7905	-2.3683	4.0181
982	92.1	91.6	1.4342	1.4707	0.4634	3.3682	3.6378	2.8112	-2.4007	4.0483
983	89.9	92	1.4413	1.4518	0.474	3.3671	3.8486	2.5654	-2.4019	4.012
984	94.3	92.3	1.4397	1.4503	0.475	3.365	4.1352	2.3059	-2.4252	4.0159
985	93.1	92.4	1.446	1.4394	0.4758	3.3612	4.2885	2.1105	-2.4003	3.9986
986	92.2	92.4	1.4507	1.4229	0.4814	3.3551	4.3703	1.9948	-2.3719	3.9932
987	95.1	92.5	1.4587	1.4123	0.48	3.3511	4.3129	2.0033	-2.3685	3.9477
988	96.1	92.8	1.4626	1.4051	0.4775	3.3452	4.2119	2.1311	-2.3793	3.9637
989	95.9	93	1.4697	1.3863	0.4867	3.3426	4.2689	2.0754	-2.3784	3.966
990	96.3	93.5	1.4744	1.3803	0.4823	3.337	4.2864	2.0282	-2.3304	3.9841

991	90.5	93.7	1.4774	1.3757	0.4782	3.3312	4.1987	2.1279	-2.314	4.0126
992	93.8	94.1	1.4796	1.3767	0.4711	3.3273	4.1272	2.1641	-2.3074	3.984
993	92.3	95	1.4794	1.3734	0.4711	3.324	4.1168	2.1935	-2.2591	4.0512
994	90.1	95.7	1.4951	1.3539	0.4712	3.3203	3.8542	2.3696	-2.2523	3.9715
995	91.4	96.1	1.5297	1.3138	0.4699	3.3134	3.731	2.5123	-2.2418	4.0015
996	93.2	96.4	1.5401	1.2979	0.4702	3.3082	3.7393	2.4699	-2.2447	3.9644
997	93.6	96.9	1.5389	1.2887	0.4733	3.3009	3.6832	2.5616	-2.2712	3.9736
998	94.6	97.4	1.536	1.2848	0.4759	3.2968	3.5514	2.7048	-2.3018	3.9545
999	97.7	97.7	1.5297	1.2856	0.4781	3.2934	3.5585	2.7248	-2.2972	3.9861
1000	97.3	98	1.5176	1.2199	0.5618	3.2993	3.5752	2.7153	-2.3059	3.9846
1001	101	98.5	1.5059	1.2001	0.5859	3.2919	3.5106	2.8376	-2.38	3.9682
1002	106	98.8	1.5091	1.1967	0.5823	3.2882	3.4893	2.8353	-2.3597	3.9649
1003	109	99.1	1.5093	1.1944	0.583	3.2866	3.539	2.7758	-2.3576	3.9572
1004	100	99.7	1.5038	1.199	0.5819	3.2847	3.5312	2.7704	-2.3535	3.9482
1005	99.2	100	1.4961	1.202	0.5817	3.2798	3.4633	2.8107	-2.2973	3.9766
1006	104	100	1.4909	1.2054	0.5812	3.2775	3.383	2.8216	-2.2691	3.9355
1007	105	100	1.4911	1.2054	0.576	3.2726	3.3594	2.882	-2.2726	3.9689
1008	102	100	1.4956	1.2037	0.57	3.2692	3.4216	2.806	-2.2671	3.9605
1009	102	100	1.5012	1.1949	0.57	3.2662	3.4273	2.7816	-2.269	3.9399
1010	99.9	100	1.506	1.1878	0.5682	3.262	3.478	2.7363	-2.269	3.9454
1011	99	99.6	1.5073	1.1849	0.5667	3.2589	3.5754	2.6289	-2.247	3.9574
1012	97.4	99.1	1.51	1.1809	0.5645	3.2554	3.6249	2.5169	-2.2127	3.9291
1013	103	98.4	1.5123	1.1753	0.5605	3.2481	3.4021	2.6586	-2.1464	3.9143
1014	98.3	98	1.5274	1.1602	0.5599	3.2474	3.3371	2.6792	-2.0975	3.9188
1015	96.7	97.7	1.5331	1.1565	0.5518	3.2414	3.3344	2.7052	-2.0901	3.9494
1016	91.8	97.2	1.532	1.1508	0.5578	3.2406	3.3456	2.7395	-2.1144	3.9706
1017	95.5	96.5	1.542	1.1405	0.5503	3.2328	3.3443	2.7664	-2.1074	4.0032
1018	94.8	96.1	1.5179	1.1366	0.5446	3.199	3.2533	2.8756	-2.1372	3.9917
1019	96	95.9	1.5126	1.1313	0.5782	3.2221	3.2377	2.9246	-2.1734	3.9889
1020	93.8	95.4	1.5084	1.1388	0.572	3.2192	2.3859	2.9075	-1.5174	3.776
1021	95.4	95.2	1.5088	1.1429	0.5654	3.2171	1.6316	3.1391	-0.8406	3.9302
1022	95.6	95.1	1.5059	1.145	0.5615	3.2123	1.5202	3.2793	-0.7882	4.0113
1023	93.1	94.8	1.5047	1.1449	0.5594	3.209	1.3275	3.5129	-0.7757	4.0647
1024	93.7	94.7	1.4967	1.1489	0.5577	3.2033	1.0744	3.7743	-0.8012	4.0476
1025	93.4	94.8	1.4855	1.1545	0.557	3.197	0.8466	3.9894	-0.7897	4.0463
1026	92.4	95.1	1.4818	1.1549	0.5581	3.1949	0.6418	4.1183	-0.7532	4.0069
1027	94.2	95.1	1.4795	1.1484	0.5618	3.1898	0.4925	4.3116	-0.763	4.0411

1028	97.8	95.2	1.4797	1.1487	0.5569	3.1853	0.3552	4.4611	-0.7701	4.0463
1029	91.1	95.4	1.4745	1.1503	0.5568	3.1816	0.2879	4.5704	-0.8842	3.974
1030	95.8	95.7	1.4739	1.1458	0.5551	3.1748	0.1578	4.7175	-0.8811	3.9942
1031	95.1	95.8	1.4722	1.1368	0.5594	3.1684	0.2926	4.5504	-0.821	4.022
1032	95.8	95.5	1.4512	1.1558	0.5601	3.1671	0.3771	4.4759	-0.8378	4.0152
1033	97	95.8	1.4348	1.1704	0.5616	3.1668	0.5247	4.2914	-0.8347	3.9814
1034	99.2	96	1.4176	1.1846	0.5592	3.1614	0.6025	4.1282	-0.7055	4.0252
1035	96.5	96.1	1.4061	1.1916	0.5581	3.1558	0.6173	4.1466	-0.6954	4.0685
1036	95.2	96.2	1.4036	1.1903	0.5588	3.1527	0.7064	4.047	-0.6954	4.0579
1037	97.4	96.2	1.4152	1.1741	0.5603	3.1496	0.7973	3.8989	-0.6701	4.0261
1038	100	95.9	1.4145	1.1717	0.5602	3.1463	0.8941	3.7921	-0.6865	3.9997
1039	99.8	96	1.4177	1.1676	0.5551	3.1405	0.9965	3.7043	-0.7138	3.9871
1040	97	95.8	1.429	1.1534	0.5523	3.1347	1.0424	3.5334	-0.5862	3.9896
1041	90.7	95.6	1.4423	1.1382	0.551	3.1314	1.0979	3.5087	-0.6184	3.9882
1042	98	95.4	1.4463	1.1298	0.5465	3.1227	1.1334	3.4614	-0.6193	3.9755
1043	97.2	95	1.4604	1.1192	0.5431	3.1228	1.1983	3.4889	-0.7115	3.9757
1044	95.2	94.6	1.4604	1.1163	0.5424	3.1191	1.2336	3.4673	-0.7301	3.9708
1045	94.1	94.4	1.4575	1.1141	0.544	3.1157	1.4142	3.2942	-0.7401	3.9682
1046	94.6	94.1	1.4571	1.1082	0.546	3.1113	1.756	2.9137	-0.7361	3.9336
1047	93.1	93.7	1.4548	1.1045	0.5486	3.1079	1.8918	2.7624	-0.7308	3.9234
1048	91.6	93.2	1.4536	1.1024	0.5472	3.1032	1.883	2.7017	-0.6879	3.8967
1049	91.9	92.9	1.4482	1.101	0.549	3.0981	1.8982	2.6756	-0.6658	3.9079
1050	92.4	92.8	1.4475	1.0909	0.5571	3.0954	1.8166	2.6976	-0.6222	3.8919
1051	91.1	92.9	1.446	1.0902	0.5544	3.0905	1.6589	2.0472	0.2667	3.9728
1052	90.7	92.6	1.4439	1.0894	0.5539	3.0871	1.5665	1.8688	0.4981	3.9333
1053	91.7	92.2	1.4425	1.0867	0.5529	3.0821	1.6375	1.8434	0.4547	3.9356
1054	92.6	92.2	1.4406	1.0867	0.5476	3.0748	1.6911	1.8235	0.4422	3.9567
1055	89.7	92.2	1.4396	1.0868	0.5454	3.0718	1.6596	1.8789	0.4082	3.9467
1056	88.4	92.2	1.4358	1.0861	0.5448	3.0667	1.5879	1.9207	0.3982	3.9067
1057	91.1	92.2	1.4341	1.085	0.5445	3.0636	1.5415	1.9691	0.4057	3.9163
1058	94.2	92.3	1.4318	1.0839	0.5441	3.0598	1.5557	1.9827	0.3573	3.8956
1059	94.2	92.4	1.4302	1.0825	0.5431	3.0558	1.6493	1.9766	0.2815	3.9073
1060	92.8	92.4	1.4278	1.0818	0.5407	3.0503	1.7065	1.9251	0.2938	3.9253
1061	92.6	92.7	1.4248	1.0829	0.5404	3.0481	1.7729	1.8771	0.2778	3.9278
1062	90.2	93	1.4244	1.0829	0.5393	3.0467	1.8118	1.8538	0.2717	3.9373
1063	94.9	93.4	1.4236	1.0813	0.537	3.042	1.8853	1.8248	0.2415	3.9516
1064	94.3	93.5	1.4203	1.0796	0.5378	3.0377	1.9401	1.7968	0.1674	3.9042

1065	94.8	94	1.4157	1.0776	0.5415	3.0348	2.1279	1.6612	0.1509	3.94
1066	92.9	94.5	1.4105	1.076	0.5426	3.0291	2.1816	1.6457	0.0868	3.9141
1067	93.7	94.8	1.4044	1.0738	0.5478	3.026	2.1635	1.6161	0.15	3.9296
1068	93.2	94.7	1.401	1.0731	0.5491	3.0232	2.2559	1.5145	0.0805	3.8509
1069	93.3	94.6	1.3996	1.0723	0.5491	3.021	2.0227	1.4901	0.0201	3.533
1070	95.3	94.6	1.3979	1.0708	0.5467	3.0154	2.017	1.4513	0.2981	3.7664
1071	96.9	94.5	1.397	1.067	0.5475	3.0114	2.0625	1.5163	0.195	3.7738
1072	99	94.5	1.3965	1.0637	0.5461	3.0063	2.1481	1.5809	0.0432	3.7722
1073	95	94.2	1.3945	1.0618	0.5473	3.0037	2.1591	1.5995	-0.0042	3.7544
1074	98.5	94	1.396	1.06	0.5464	3.0025	2.1708	1.6062	0.0014	3.7784
1075	98.7	93.7	1.3953	1.0584	0.5452	2.9989	2.1206	1.6669	-0.0374	3.7501
1076	96.1	93.4	1.3931	1.0553	0.5466	2.9951	2.0037	1.7374	-0.0216	3.7195
1077	92	92.9	1.3918	1.0529	0.5475	2.9922	1.9848	1.7716	-0.0172	3.7391
1078	93.4	92.8	1.3868	1.0511	0.5503	2.9882	1.9751	1.7392	0.0217	3.736
1079	92.3	92.6	1.3818	1.05	0.553	2.9849	1.9863	1.7888	-0.017	3.7581
1080	90.8	92.1	1.3824	1.0475	0.5496	2.9795	1.9603	1.8413	-0.0402	3.7614
1081	90.3	91.4	1.382	1.045	0.5485	2.9755	2.0075	1.8413	-0.1283	3.7204
1082	89.1	90.6	1.3817	1.0416	0.5468	2.9701	2.0944	1.7733	-0.1915	3.6762
1083	90.2	90	1.381	1.039	0.5445	2.9646	1.9603	1.9509	-0.2101	3.7011
1084	89	89.1	1.378	1.0356	0.5446	2.9582	1.8092	2.1049	-0.202	3.7122
1085	87.7	88.4	1.3753	1.0347	0.5453	2.9554	1.6502	2.2539	-0.2324	3.6717
1086	84	87.9	1.371	1.033	0.5485	2.9525	1.5607	2.317	-0.249	3.6287
1087	90.6	87.5	1.3693	1.0331	0.5487	2.9511	1.5566	2.3102	-0.2581	3.6087
1088	89.6	87.1	1.363	1.0346	0.5489	2.9465	1.6835	2.1805	-0.2547	3.6092
1089	87.4	86.5	1.3654	1.0329	0.5453	2.9437	1.6606	2.178	-0.2384	3.6002
1090	82.7	86.2	1.3646	1.0294	0.5442	2.9382	1.6938	2.1309	-0.2801	3.5446
1091	84.9	85.9	1.3641	1.0295	0.5401	2.9337	1.7491	1.987	-0.2472	3.489
1092	82.7	85.6	1.3597	1.0278	0.5422	2.9298	1.9302	1.8344	-0.2683	3.4963
1093	81.3	85.4	1.3561	1.0267	0.5442	2.9269	1.9623	1.7628	-0.2771	3.448
1094	84.7	85.3	1.3537	1.0245	0.5452	2.9235	2.0987	1.6753	-0.3119	3.4621
1095	86.8	85.1	1.3541	1.0224	0.5435	2.92	2.1186	1.6616	-0.3232	3.457
1096	85.3	85.2	1.3509	1.0216	0.5433	2.9158	2.1103	1.684	-0.3055	3.4889
1097	84.7	84.7	1.3506	1.0185	0.5421	2.9112	2.1516	1.6596	-0.3094	3.5018
1098	81.2	84.4	1.3462	1.0173	0.5425	2.906	2.1442	1.6382	-0.2794	3.5031
1099	85.5	84.4	1.3481	1.0159	0.5403	2.9043	2.1321	1.6416	-0.288	3.4857
1100	84.7	84.5	1.3517	1.0152	0.5351	2.9021	2.1073	1.6516	-0.288	3.4709
1101	84.1	84.5	1.3493	1.0133	0.5361	2.8986	2.0979	1.5918	-0.2063	3.4834

1102	86.1	84.5	1.3454	1.0124	0.5369	2.8946	2.0696	1.6075	-0.2397	3.4374
1103	85.8	84.6	1.3402	1.012	0.5387	2.891	2.0465	1.5916	-0.2306	3.4075
1104	84.7	84.6	1.3379	1.0111	0.541	2.89	2.034	1.5571	-0.2205	3.3706
1105	85.8	84.4	1.3373	1.0099	0.5418	2.8891	2.0355	1.5656	-0.275	3.326
1106	81.2	84.4	1.3367	1.0085	0.5407	2.8859	2.0089	1.5932	-0.2801	3.3221
1107	84.4	84.3	1.3356	1.0072	0.5403	2.883	1.9719	1.6088	-0.2854	3.2953
1108	87.2	84.4	1.3307	1.006	0.5419	2.8785	1.952	1.6469	-0.2872	3.3117
1109	84.2	84.1	1.3306	1.0024	0.5406	2.8736	1.9446	1.6559	-0.2886	3.3119
1110	85.9	84.1	1.3287	1.0001	0.5404	2.8692	1.9323	1.6573	-0.2984	3.2912
1111	81.1	83.9	1.3261	0.9995	0.5395	2.8651	1.9182	1.6501	-0.3096	3.2586
1112	83.6	83.7	1.3215	0.9984	0.5403	2.8603	1.8851	1.674	-0.2966	3.2624
1113	85.3	83.5	1.3183	0.9956	0.5437	2.8576	1.8342	1.6804	-0.2532	3.2614
1114	82.7	83.2	1.3146	0.994	0.5448	2.8534	1.8249	1.6626	-0.2599	3.2276
1115	84.8	82.9	1.3149	0.992	0.5431	2.85	1.8068	1.6782	-0.2857	3.1993
1116	84.3	82.7	1.3157	0.9892	0.5428	2.8477	1.7845	1.6597	-0.2291	3.2151
1117	82.7	82.6	1.3164	0.989	0.5422	2.8477	1.7631	1.6642	-0.2684	3.1588
1118	80	82.3	1.3156	0.9875	0.5426	2.8457	1.7332	1.6474	-0.2324	3.1483
1119	83.1	82.1	1.3109	0.9862	0.5484	2.8455	1.7172	1.6424	-0.2157	3.1438
1120	81.8	81.8	1.3021	0.9872	0.5525	2.8418	1.7012	1.652	-0.1924	3.1609
1121	82.3	81.6	1.294	0.9848	0.5611	2.8399	1.6924	1.6408	-0.2078	3.1254
1122	80.6	81.4	1.29	0.9851	0.5619	2.8369	1.701	1.6077	-0.1989	3.1098
1123	80.8	81.2	1.2876	0.9843	0.5593	2.8311	1.6816	1.5944	-0.1824	3.0936
1124	79.1	81	1.2846	0.9822	0.5615	2.8283	1.6534	1.5777	-0.1342	3.0969
1125	77.2	80.7	1.2851	0.9807	0.5592	2.825	1.6284	1.5686	-0.1063	3.0908
1126	82.4	80.5	1.2834	0.9777	0.5599	2.8209	1.6184	1.551	-0.1055	3.0639
1127	81.9	80.2	1.282	0.9744	0.5597	2.8162	1.6195	1.5383	-0.1044	3.0534
1128	80.2	80.1	1.2811	0.9699	0.5586	2.8095	1.6136	1.5306	-0.0804	3.0638
1129	79.8	79.7	1.2785	0.9661	0.5608	2.8055	1.5675	1.5433	-0.0402	3.0706
1130	78.2	79.4	1.2731	0.9617	0.568	2.8028	1.5463	1.561	-0.0303	3.077
1131	79.5	79	1.2628	0.9595	0.5785	2.8008	1.5555	1.5492	-0.0661	3.0386
1132	80.5	78.6	1.2552	0.9608	0.5811	2.797	1.5201	1.5443	-0.0603	3.004
1133	80.4	78.1	1.2539	0.9599	0.5818	2.7956	1.4751	1.5475	-0.0511	2.9714
1134	79.4	77.6	1.2525	0.9593	0.5825	2.7943	1.4485	1.554	-0.0459	2.9565
1135	78.7	77.3	1.25	0.9599	0.583	2.7929	1.4001	1.5313	-0.0186	2.9128
1136	78.3	76.8	1.248	0.9592	0.5846	2.7918	1.369	1.5251	-0.0059	2.8883
1137	78.5	76.3	1.2469	0.9561	0.5857	2.7887	1.3262	1.53	0.0274	2.8836
1138	74.7	75.9	1.2484	0.9539	0.584	2.7863	1.3119	1.5193	0.0525	2.8837

1139	77.1	75.5	1.2483	0.9545	0.5832	2.786	1.3064	1.529	0.0267	2.8621
1140	73.2	75.3	1.2541	0.9547	0.577	2.7858	1.3277	1.526	0.0083	2.8621
1141	74	75	1.2493	0.9547	0.5778	2.7818	1.3201	1.509	0.0019	2.8309
1142	70.6	74.6	1.2501	0.9536	0.5742	2.7779	1.3073	1.5163	-0.0126	2.811
1143	69.8	74.5	1.2505	0.9517	0.5743	2.7766	1.2694	1.5081	0.0169	2.7944
1144	72	74.2	1.2485	0.9501	0.5747	2.7734	1.2357	1.505	0.0373	2.778
1145	72.1	74	1.2465	0.9457	0.5746	2.7668	1.2462	1.4801	0.0504	2.7767
1146	72.3	73.8	1.242	0.9422	0.5769	2.7611	1.2877	1.483	-0.0151	2.7556
1147	72.6	73.6	1.2403	0.9407	0.5766	2.7576	1.2522	1.4948	-0.0136	2.7335
1148	72.5	73.7	1.2404	0.9382	0.576	2.7546	1.2103	1.4958	0.0345	2.7406
1149	75.5	73.7	1.2375	0.9358	0.5778	2.751	1.1152	1.5154	0.0958	2.7263
1150	73.8	73.7	1.2377	0.9317	0.5777	2.7471	1.1578	1.5145	0.075	2.7473
1151	72.7	73.6	1.239	0.9294	0.5783	2.7468	1.1752	1.541	0.0689	2.785
1152	77.8	73.7	1.2392	0.9302	0.577	2.7464	1.1843	1.534	0.1136	2.8319
1153	72.8	73.8	1.2391	0.931	0.575	2.745	1.4311	1.538	0.1168	3.0859
1154	76	73.8	1.237	0.9302	0.5751	2.7422	1.0971	1.5642	0.1221	2.7834
1155	74.9	73.8	1.2387	0.9275	0.5734	2.7396	1.0069	1.5451	0.2117	2.7637
1156	74.1	73.8	1.2386	0.9252	0.5733	2.7371	0.9599	1.5348	0.2597	2.7544
1157	77.1	73.7	1.2389	0.9203	0.5732	2.7324	0.9541	1.5244	0.2826	2.7611
1158	75.9	73.5	1.2374	0.9183	0.573	2.7287	0.941	1.5364	0.2805	2.7579
1159	73.9	73.2	1.237	0.9167	0.5729	2.7266	0.8677	1.5409	0.3094	2.718
1160	71.9	73	1.236	0.9168	0.5717	2.7245	0.8785	1.5068	0.2951	2.6803
1161	73	72.9	1.2363	0.9155	0.5701	2.7219	0.8651	1.4995	0.2943	2.659
1162	71.7	72.5	1.241	0.9149	0.5647	2.7205	0.8613	1.5042	0.2838	2.6492
1163	71.1	72.4	1.2411	0.9151	0.563	2.7192	0.9011	1.4903	0.2286	2.62
1164	71.6	72.2	1.2396	0.9117	0.5664	2.7177	0.8839	1.4675	0.2612	2.6126
1165	72.7	72.1	1.2372	0.9117	0.5644	2.7133	0.8557	1.4688	0.2824	2.6069
1166	71.4	72	1.2341	0.9096	0.5694	2.7132	0.909	1.4765	0.233	2.6186
1167	69.2	71.8	1.2311	0.9091	0.571	2.7112	0.9287	1.454	0.2392	2.6219
1168	69.4	71.5	1.2293	0.9088	0.5707	2.7088	0.9334	1.4619	0.2647	2.6601
1169	70	71.3	1.2295	0.9071	0.5683	2.7049	0.8902	1.4506	0.3318	2.6726
1170	71.1	71.2	1.2287	0.9068	0.5675	2.7029	0.9209	1.44	0.4053	2.7662
1171	69.8	71	1.2269	0.9062	0.5674	2.7004	0.9773	1.4745	0.3038	2.7556
1172	69.9	70.9	1.2283	0.9042	0.5643	2.6969	0.9767	1.4607	0.2869	2.7243
1173	72.3	70.7	1.2292	0.9041	0.5608	2.694	0.9258	1.4704	0.3219	2.7181
1174	72.9	70.4	1.2332	0.9032	0.557	2.6934	0.9618	1.4851	0.2679	2.7148
1175	72.8	70.1	1.2334	0.9033	0.5558	2.6925	0.9438	1.4979	0.2849	2.7267

1176	73.4	70	1.2312	0.9015	0.5571	2.6898	0.9172	1.5022	0.3042	2.7236
1177	70.2	70.1	1.2304	0.8998	0.5555	2.6858	0.9347	1.4817	0.3078	2.7243
1178	70.3	70	1.2301	0.8968	0.5543	2.6812	0.9569	1.4429	0.2772	2.6769
1179	69.5	70.1	1.2272	0.8939	0.556	2.6772	0.9342	1.4078	0.3031	2.6451
1180	70	70	1.2269	0.8925	0.5563	2.6757	0.8677	1.3972	0.3524	2.6173
1181	69.3	69.9	1.2299	0.8906	0.5546	2.6751	0.7897	1.3883	0.4292	2.6072
1182	66.8	69.7	1.2342	0.8868	0.5519	2.6729	0.6727	1.3734	0.5559	2.602
1183	65.8	69.4	1.2362	0.8836	0.5491	2.6689	0.5954	1.3828	0.5937	2.5719
1184	67.3	69	1.238	0.8825	0.5464	2.6669	0.637	1.3738	0.5722	2.583
1185	70.1	68.4	1.2384	0.8822	0.5459	2.6666	0.6017	1.3812	0.5973	2.5802
1186	70.7	68	1.2384	0.88	0.5457	2.6642	0.5817	1.4001	0.6031	2.5849
1187	68.8	67.6	1.2381	0.8812	0.5434	2.6627	0.5884	1.4096	0.5872	2.5852
1188	70.3	67.4	1.2323	0.8817	0.5462	2.6603	0.5761	1.3856	0.5991	2.5608
1189	69.3	67.3	1.2326	0.8803	0.5445	2.6575	0.5983	1.3769	0.5705	2.5457
1190	69.3	67.2	1.2326	0.8785	0.544	2.6551	0.603	1.3938	0.5833	2.5801
1191	66	67	1.2333	0.8779	0.5414	2.6526	0.6924	1.3954	0.5346	2.6224
1192	66.5	67.3	1.2328	0.877	0.5406	2.6503	0.6537	1.4185	0.5306	2.6028
1193	63.9	67.5	1.2325	0.8762	0.5404	2.6491	0.6589	1.4321	0.4846	2.5756
1194	62.5	67.8	1.2291	0.8765	0.5402	2.6458	0.6415	1.4389	0.5036	2.584
1195	65.1	67.8	1.2253	0.8741	0.545	2.6444	0.6537	1.4326	0.4971	2.5833
1196	63.6	67.9	1.2257	0.8721	0.5447	2.6425	0.6582	1.396	0.4751	2.5292
1197	65.3	67.9	1.2296	0.8689	0.5386	2.6371	0.6457	1.3702	0.4758	2.4917
1198	68.9	67.9	1.2347	0.8657	0.5329	2.6334	0.6245	1.3522	0.4825	2.4593
1199	67.1	67.7	1.2323	0.8644	0.5328	2.6295	0.6488	1.3293	0.4746	2.4527
1200	65.7	67.6	1.2342	0.8611	0.5283	2.6236	0.6463	1.3194	0.4734	2.4391
1201	72.3	67.8	1.2308	0.8599	0.5247	2.6154	0.6706	1.2917	0.4753	2.4377
1202	70.5	67.9	1.2023	0.8586	0.5252	2.586	0.7271	1.2946	0.4533	2.475
1203	71.8	68	1.2305	0.8556	0.5265	2.6126	0.7238	1.3217	0.4406	2.4861
1204	71.1	68.3	1.2372	0.8566	0.5199	2.6137	0.7059	1.3558	0.4651	2.5268
1205	71.8	68.4	1.2413	0.8565	0.5159	2.6137	0.6741	1.3655	0.4686	2.5081
1206	69.6	68.6	1.2413	0.8561	0.5124	2.6098	0.6887	1.3421	0.4732	2.5041
1207	69.2	68.9	1.2415	0.8535	0.5122	2.6072	0.7119	1.3245	0.4729	2.5093
1208	66.6	68.8	1.2439	0.8519	0.5109	2.6067	0.7408	1.2802	0.4421	2.4631
1209	67.3	68.9	1.2427	0.8517	0.5111	2.6056	0.7201	1.2643	0.4598	2.4442
1210	70.1	69.1	1.2422	0.8502	0.511	2.6033	0.736	1.2622	0.4858	2.4839
1211	68.2	68.9	1.24	0.8491	0.5112	2.6002	0.7753	1.2829	0.4818	2.54
1212	65.3	68.9	1.2314	0.8494	0.5175	2.5983	0.8332	1.2875	0.4195	2.5401

1213	69.3	68.9	1.2299	0.8488	0.5176	2.5964	0.8832	1.2936	0.3399	2.5168
1214	66.2	68.8	1.229	0.8472	0.5166	2.5927	0.9226	1.2884	0.2913	2.5023
1215	67.9	68.9	1.224	0.8443	0.5198	2.5881	0.9163	1.2668	0.312	2.4951
1216	70	68.8	1.2228	0.8438	0.5189	2.5855	0.9213	1.2616	0.2792	2.462
1217	68	68.7	1.2231	0.8428	0.5158	2.5816	0.8944	1.2468	0.3519	2.4931
1218	67.7	69	1.2266	0.8425	0.5094	2.5784	0.8424	1.2767	0.3715	2.4906
1219	69.7	69.1	1.2188	0.8422	0.5079	2.5688	0.8222	1.2985	0.4046	2.5254
1220	69.8	69.1	1.2044	0.8397	0.5222	2.5663	0.8332	1.2804	0.3926	2.5062
1221	69.7	69.1	1.1963	0.8387	0.5324	2.5674	0.8219	1.2927	0.3914	2.5061
1222	72.3	69.4	1.1974	0.838	0.5297	2.5651	0.7872	1.3088	0.4012	2.4972
1223	69	69.4	1.1914	0.8357	0.5325	2.5596	0.8044	1.3063	0.3708	2.4815
1224	72.7	69.5	1.1902	0.8324	0.533	2.5556	0.8256	1.3156	0.3399	2.4811
1225	67.9	69.5	1.1934	0.8305	0.5288	2.5526	0.8858	1.3197	0.2946	2.5002
1226	67.8	69.5	1.1899	0.8296	0.5291	2.5485	0.8974	1.3248	0.2855	2.5076
1227	71.5	69.5	1.1863	0.8302	0.532	2.5485	0.8668	1.3152	0.3236	2.5056
1228	70.6	69.3	1.1876	0.8291	0.5283	2.545	0.875	1.317	0.2981	2.4901
1229	69.3	69	1.1917	0.8264	0.5256	2.5437	0.869	1.3143	0.2847	2.468
1230	68.6	68.7	1.1941	0.8229	0.525	2.542	0.8733	1.2982	0.2858	2.4573
1231	69.6	68.5	1.1955	0.8222	0.523	2.5406	0.8626	1.2984	0.2885	2.4495
1232	70	68.1	1.1957	0.8225	0.5217	2.5398	0.9106	1.2781	0.2684	2.4571
1233	69	67.9	1.1902	0.8225	0.5246	2.5373	0.9114	1.2708	0.2751	2.4574
1234	66.7	67.5	1.1924	0.8211	0.5228	2.5363	0.9144	1.2526	0.2944	2.4615
1235	70.6	67.3	1.1919	0.8199	0.5227	2.5344	0.9097	1.2525	0.3019	2.4641
1236	68	67.3	1.1891	0.8183	0.5259	2.5333	0.9239	1.2436	0.3035	2.471
1237	63.5	67.1	1.1893	0.8175	0.5258	2.5326	0.9161	1.2312	0.3144	2.4617
1238	65.2	67	1.1886	0.8162	0.5269	2.5317	0.9223	1.2499	0.2933	2.4655
1239	63.7	66.8	1.188	0.8151	0.5248	2.528	0.901	1.2618	0.301	2.4638
1240	65.6	66.8	1.1849	0.8152	0.5235	2.5236	0.9257	1.2594	0.2677	2.4528
1241	65.2	66.7	1.1839	0.8129	0.5247	2.5215	0.9215	1.2543	0.2754	2.4512
1242	65.4	66.4	1.1842	0.8103	0.5257	2.5203	0.915	1.2734	0.2539	2.4424
1243	65	66.2	1.1864	0.8078	0.524	2.5182	0.9341	1.2941	0.2464	2.4747
1244	64	66.1	1.1832	0.8069	0.525	2.515	0.9071	1.2938	0.2827	2.4836
1245	67	66	1.1807	0.8061	0.5271	2.5138	0.8675	1.3116	0.3043	2.4834
1246	67.6	66	1.1774	0.8052	0.5294	2.512	0.8115	1.2977	0.3958	2.5049
1247	68.1	66.3	1.1779	0.8055	0.5283	2.5117	0.817	1.289	0.4032	2.5092
1248	66.8	66.5	1.1755	0.8053	0.5286	2.5093	0.9122	1.2556	0.3083	2.4761
1249	68.2	66.7	1.1728	0.8039	0.5304	2.5071	0.9771	1.229	0.2535	2.4596

1250	66.8	66.8	1.1706	0.8025	0.5302	2.5033	0.9405	1.2282	0.2628	2.4316
1251	66	66.8	1.1663	0.8	0.533	2.4993	0.9416	1.2165	0.2355	2.3935
1252	64.7	66.9	1.1668	0.798	0.5329	2.4978	0.9192	1.226	0.1941	2.3393
1253	65.3	67	1.1685	0.7954	0.5285	2.4923	0.6987	1.2192	0.155	2.0729
1254	67.6	67	1.1696	0.7936	0.5282	2.4914	1.0185	1.1938	0.1318	2.3442
1255	68.7	66.8	1.1699	0.7933	0.5261	2.4892	1.0946	1.2226	0.0648	2.382
1256	68.9	66.6	1.1674	0.7927	0.526	2.4862	1.1348	1.2236	0.0257	2.3841
1257	68.5	66.3	1.1648	0.7923	0.529	2.4861	1.1777	1.2216	0.0088	2.4081
1258	68	66.1	1.1654	0.7919	0.527	2.4842	1.1819	1.2565	-0.0346	2.4038
1259	66.5	65.9	1.1634	0.7905	0.5243	2.4782	1.21	1.2454	-0.0305	2.4249
1260	66.5	66	1.1585	0.7885	0.5235	2.4705	1.1898	1.2594	-0.0132	2.4359
1261	67.5	66	1.153	0.7867	0.5281	2.4679	1.165	1.2699	0.0122	2.4471
1262	66.7	66.1	1.1526	0.7855	0.5307	2.4688	1.1744	1.2619	0.0116	2.4479
1263	64	66.1	1.1489	0.7862	0.5339	2.469	1.1004	1.2722	0.08	2.4527
1264	63.1	66	1.148	0.7851	0.5352	2.4682	1.0902	1.2786	0.088	2.4569
1265	62.7	65.9	1.1451	0.7855	0.5365	2.4671	1.104	1.2794	0.08	2.4633
1266	62.5	65.8	1.1447	0.7849	0.5343	2.4639	1.0844	1.2718	0.0997	2.4559
1267	64.5	65.7	1.1468	0.7814	0.5339	2.4621	1.0698	1.2788	0.1059	2.4545
1268	64.4	65.7	1.1471	0.779	0.5302	2.4563	1.0653	1.2836	0.0959	2.4448
1269	67.7	65.6	1.1462	0.7791	0.5291	2.4543	1.1006	1.3017	0.041	2.4433
1270	66.3	65.7	1.1465	0.7775	0.5283	2.4523	1.0441	1.3037	0.0075	2.3553
1271	66.5	65.6	1.1481	0.7753	0.5273	2.4507	0.9282	1.3021	0.1325	2.3627
1272	65.5	65.4	1.1479	0.7736	0.5272	2.4488	0.8499	1.3113	0.233	2.3942
1273	65.8	65.3	1.1466	0.7725	0.5268	2.4459	0.8745	1.3143	0.2049	2.3937
1274	66.5	65.3	1.1446	0.7712	0.5276	2.4434	0.8348	1.3095	0.218	2.3623
1275	66.3	65.3	1.1437	0.7708	0.5272	2.4417	0.8247	1.2942	0.2181	2.3371
1276	67.3	65.2	1.1445	0.77	0.5247	2.4392	0.8571	1.2812	0.1776	2.3159
1277	67	65	1.1429	0.7681	0.5257	2.4368	0.8453	1.2812	0.1729	2.2995
1278	66.4	65	1.1431	0.7653	0.5259	2.4343	0.8361	1.295	0.1849	2.3159
1279	67.2	64.7	1.1399	0.7641	0.5275	2.4314	0.8667	1.2815	0.148	2.2962
1280	66.2	64.6	1.1406	0.7627	0.5274	2.4307	0.898	1.2556	0.1477	2.3013
1281	63	64.4	1.1389	0.7628	0.5277	2.4294	0.931	1.2302	0.1424	2.3036
1282	61.3	64.4	1.143	0.7597	0.5244	2.4272	0.9435	1.2372	0.1275	2.3081
1283	62.7	64.4	1.1447	0.7584	0.5197	2.4227	0.9282	1.2551	0.1496	2.333
1284	63.8	64.4	1.147	0.7572	0.5162	2.4205	0.8712	1.2814	0.1842	2.3367
1285	59.4	64.3	1.146	0.7579	0.5156	2.4195	0.893	1.277	0.1778	2.3477
1286	61.4	64.2	1.1468	0.7569	0.5143	2.418	0.8766	1.2712	0.1976	2.3454

1287	65.1	64	1.1459	0.7562	0.5141	2.4162	0.8922	1.2645	0.2184	2.3752
1288	62.2	64	1.1422	0.7556	0.5161	2.4139	0.9236	1.2586	0.2112	2.3934
1289	63.4	64	1.1401	0.7544	0.5177	2.4122	0.902	1.2497	0.2399	2.3915
1290	63	64	1.1405	0.7531	0.5164	2.41	0.8822	1.2515	0.2397	2.3735
1291	65.8	64.1	1.1418	0.7505	0.516	2.4084	0.8442	1.2778	0.2231	2.345
1292	66	64.3	1.1394	0.7476	0.5159	2.4029	0.8417	1.273	0.2268	2.3416
1293	65.1	64.4	1.1418	0.7468	0.5122	2.4008	0.8648	1.2544	0.2338	2.353
1294	65.4	64.4	1.1424	0.7454	0.5097	2.3975	0.9348	1.2262	0.1859	2.3468
1295	64.6	64.7	1.1441	0.7444	0.5055	2.3939	0.9006	1.2175	0.2001	2.3181
1296	64.1	64.9	1.144	0.7432	0.5043	2.3916	0.8657	1.2231	0.2396	2.3284
1297	66	64.8	1.1384	0.7433	0.5078	2.3895	0.8512	1.2267	0.2588	2.3367
1298	67.5	64.9	1.137	0.7428	0.5076	2.3874	0.8704	1.2496	0.2498	2.3698
1299	66.5	65.1	1.1383	0.7416	0.5065	2.3864	0.912	1.2595	0.2323	2.4039
1300	64.7	65.1	1.14	0.7395	0.5047	2.3842	0.917	1.2515	0.203	2.3715
1301	64.9	64.9	1.1389	0.7373	0.5053	2.3815	0.8737	1.2482	0.2224	2.3443
1302	65	64.8	1.1324	0.7366	0.5097	2.3787	0.8244	1.2465	0.2546	2.3255
1303	64.1	64.5	1.1286	0.7362	0.5134	2.3782	0.8302	1.2484	0.2479	2.3265
1304	64.1	64.4	1.1277	0.7343	0.5134	2.3755	0.8368	1.2312	0.2118	2.2798
1305	65.9	64.3	1.1279	0.7341	0.5133	2.3753	0.8451	1.2238	0.2338	2.3026
1306	63.6	64.2	1.1236	0.7339	0.5115	2.369	0.8434	1.2212	0.2238	2.2884
1307	63.4	64.2	1.1233	0.7279	0.5157	2.3668	0.8131	1.2323	0.2268	2.2723
1308	66.7	63.9	1.1229	0.7274	0.514	2.3642	0.7985	1.2303	0.276	2.3047
1309	63.3	63.8	1.1238	0.7258	0.5124	2.362	0.8096	1.2414	0.2806	2.3316
1310	62.2	63.7	1.1257	0.7232	0.5098	2.3586	0.8431	1.2579	0.2155	2.3166
1311	63.2	63.6	1.1225	0.7229	0.51	2.3554	0.7921	1.2366	0.2214	2.25
1312	61.3	63.6	1.1214	0.7222	0.5095	2.353	0.7379	1.2216	0.2823	2.2419
1313	61.9	63.5	1.1209	0.721	0.5088	2.3507	0.7673	1.22	0.2835	2.2709
1314	62.4	63.4	1.1186	0.7192	0.5086	2.3464	0.7498	1.2383	0.2987	2.2869
1315	63.8	63.2	1.1156	0.7171	0.5098	2.3425	0.7619	1.2363	0.301	2.2992
1316	65.8	63.2	1.1158	0.7159	0.5083	2.34	0.7423	1.2607	0.3013	2.3043
1317	61	63.3	1.1165	0.7144	0.5062	2.3372	0.7237	1.2758	0.2929	2.2924
1318	65.1	63	1.1165	0.7123	0.5053	2.3341	0.7492	1.2511	0.2939	2.2942
1319	62.4	63.1	1.1144	0.7118	0.5071	2.3333	0.7826	1.2283	0.2523	2.2633
1320	63	63	1.1116	0.7095	0.5089	2.33	0.7922	1.2394	0.2306	2.2623
1321	65.7	63	1.1113	0.7076	0.5091	2.328	0.8053	1.2293	0.2308	2.2654
1322	61.4	63.1	1.1099	0.7066	0.5092	2.3257	0.787	1.2257	0.2582	2.2709
1323	61.8	63.1	1.108	0.7048	0.5107	2.3234	0.7778	1.231	0.2804	2.2893

1324	61.9	63	1.1078	0.703	0.5112	2.3219	0.7565	1.23	0.2726	2.2591
1325	65	63	1.1077	0.7024	0.511	2.3211	0.6799	1.2229	0.3319	2.2347
1326	64.3	62.9	1.1054	0.7014	0.5118	2.3186	0.6695	1.2283	0.3298	2.2277
1327	61.7	63.2	1.1027	0.7007	0.5135	2.3169	0.6818	1.2296	0.3077	2.219
1328	64.3	63.1	1.101	0.7009	0.5135	2.3154	0.6839	1.2248	0.3099	2.2186
1329	61.4	63.3	1.1019	0.7009	0.5108	2.3136	0.7174	1.2109	0.3142	2.2425
1330	62.7	63.5	1.101	0.6998	0.5108	2.3117	0.6947	1.2113	0.356	2.262
1331	62.3	63.7	1.1011	0.6985	0.5102	2.3098	0.7463	1.2104	0.3305	2.2872
1332	63.4	64	1.1028	0.697	0.5067	2.3065	0.7643	1.2211	0.3087	2.2941
1333	60.3	64.3	1.1031	0.6944	0.5062	2.3036	0.802	1.1994	0.2804	2.2818
1334	62.6	64.5	1.1031	0.6934	0.505	2.3015	0.8247	1.1953	0.2371	2.2571
1335	64.5	64.5	1.1042	0.6927	0.5029	2.2999	0.8385	1.1979	0.2245	2.2609
1336	66	64.2	1.0999	0.6918	0.5041	2.2958	0.8328	1.2171	0.2331	2.283
1337	63.5	64.3	1.0969	0.6917	0.5047	2.2933	0.8345	1.2269	0.2345	2.2959
1338	66.7	64.1	1.0984	0.6912	0.503	2.2926	0.8028	1.2273	0.2388	2.2689
1339	67.5	64	1.0998	0.69	0.5008	2.2906	0.7849	1.2412	0.26	2.2861
1340	68.5	63.9	1.1005	0.6874	0.5012	2.2891	0.7679	1.2448	0.2814	2.2941
1341	67.1	63.8	1.0997	0.6856	0.5021	2.2873	0.7821	1.2321	0.2801	2.2943
1342	68.2	63.7	1.0978	0.6849	0.5023	2.285	0.838	1.2126	0.2599	2.3104
1343	65.4	63.7	1.0929	0.6852	0.5054	2.2835	0.8032	1.195	0.2795	2.2778
1344	64.5	63.6	1.0931	0.6851	0.505	2.2832	0.8428	1.1898	0.2542	2.2868
1345	59.7	63.3	1.0941	0.6838	0.5031	2.281	0.9083	1.1811	0.1863	2.2758
1346	62.4	63	1.0923	0.6826	0.5035	2.2783	0.9433	1.1855	0.117	2.2458
1347	60.2	62.9	1.0908	0.6805	0.5033	2.2747	0.938	1.1828	0.1209	2.2417
1348	60.5	62.6	1.0843	0.6793	0.5053	2.2689	0.8761	1.1904	0.1723	2.2388
1349	61.4	62.3	1.0811	0.6787	0.5101	2.27	0.8625	1.1881	0.1739	2.2245
1350	59.6	62.1	1.0833	0.6777	0.5079	2.2689	0.896	1.192	0.158	2.246
1351	60.5	62	1.0839	0.6753	0.5076	2.2667	0.9122	1.182	0.1499	2.2442
1352	61.7	61.8	1.0838	0.6732	0.5081	2.2651	0.8764	1.1873	0.1854	2.249
1353	60.8	61.6	1.0848	0.6723	0.5073	2.2644	0.7984	1.1939	0.2452	2.2376
1354	58.9	61.5	1.0851	0.6712	0.5048	2.2611	0.7538	1.2035	0.3027	2.2601
1355	58.8	61.8	1.0855	0.6711	0.5037	2.2603	0.7284	1.1937	0.3156	2.2377
1356	61.7	62	1.0861	0.6695	0.5033	2.259	0.7144	1.195	0.3501	2.2595
1357	62.5	62.1	1.085	0.6693	0.5014	2.2556	0.6784	1.2047	0.3348	2.2179
1358	61.1	62.2	1.0844	0.6677	0.4989	2.2511	0.7068	1.1546	0.36	2.2214
1359	64.6	62.3	1.0791	0.6647	0.5028	2.2466	0.706	1.1555	0.3368	2.1984
1360	65.1	62.5	1.0793	0.6649	0.5014	2.2455	0.74	1.1466	0.3043	2.1909

1361	64.2	62.7	1.0792	0.6646	0.4999	2.2437	0.78	1.1286	0.2644	2.173
1362	62.5	62.7	1.0759	0.6635	0.5023	2.2417	0.7684	1.1287	0.2633	2.1604
1363	62.8	62.9	1.0739	0.6624	0.504	2.2403	0.7785	1.1311	0.2438	2.1534
1364	64.7	63.1	1.0718	0.6614	0.5051	2.2383	0.7945	1.1318	0.2397	2.1659
1365	66	63.4	1.0709	0.6594	0.5064	2.2367	0.7545	1.1302	0.2755	2.1603
1366	63.3	63.4	1.0723	0.6573	0.505	2.2346	0.7849	1.1203	0.2232	2.1283
1367	62.6	63.4	1.0719	0.6563	0.5045	2.2327	0.7922	1.1488	0.222	2.1629
1368	63.2	63.6	1.0688	0.6561	0.505	2.2299	0.7939	1.1363	0.2006	2.1307
1369	62.8	63.6	1.0669	0.6552	0.506	2.2281	0.8276	1.1097	0.1871	2.1244
1370	64.3	63.4	1.0659	0.6546	0.5053	2.2258	0.8087	1.1019	0.2081	2.1188
1371	61.9	63.3	1.0694	0.6528	0.5014	2.2236	0.7804	1.084	0.2222	2.0867
1372	64.1	63.3	1.0701	0.6505	0.4992	2.2198	0.7913	1.0748	0.2057	2.0717
1373	63.2	63.5	1.071	0.6495	0.4995	2.22	0.8	1.0792	0.187	2.0661
1374	64.4	63.5	1.0766	0.6489	0.4944	2.2199	0.8265	1.071	0.2026	2.1002
1375	62.3	63.3	1.0767	0.648	0.4942	2.2189	0.8486	1.0599	0.1938	2.1023
1376	62.8	63.3	1.0763	0.647	0.4939	2.2173	0.8473	1.0661	0.1855	2.099
1377	64.4	63.2	1.0745	0.6457	0.4947	2.2149	0.8036	1.0749	0.1972	2.0758
1378	64.5	63	1.0714	0.6442	0.4945	2.2101	0.7687	1.0975	0.2448	2.111
1379	61.4	63	1.0704	0.6429	0.4919	2.2052	0.749	1.1071	0.2708	2.1269
1380	60.9	62.9	1.066	0.6417	0.4943	2.202	0.8097	1.1213	0.2452	2.1762
1381	63.6	62.9	1.0625	0.6407	0.4968	2.2	0.8029	1.1388	0.2299	2.1716
1382	65.8	62.8	1.0628	0.6398	0.4964	2.199	0.8178	1.1341	0.2287	2.1806
1383	65	62.7	1.0623	0.6388	0.496	2.197	0.8731	1.1399	0.137	2.15
1384	63.3	62.5	1.0632	0.6374	0.4938	2.1944	0.8572	1.1317	0.1593	2.1483
1385	61.8	62.4	1.0628	0.6362	0.4922	2.1912	0.8469	1.1337	0.1713	2.152
1386	61.7	62.2	1.0633	0.6342	0.4908	2.1884	0.8443	1.1332	0.1639	2.1413
1387	59	62	1.0656	0.6334	0.4902	2.1893	0.7985	1.1419	0.1649	2.1053
1388	61.9	61.8	1.0637	0.6314	0.4901	2.1853	0.7644	1.1554	0.168	2.0877
1389	63.2	61.6	1.0633	0.6299	0.4896	2.1828	0.7724	1.1594	0.1731	2.1049
1390	62.2	61.5	1.0623	0.6299	0.4884	2.1805	0.7769	1.1433	0.1655	2.0856
1391	62.2	61.3	1.058	0.6293	0.49	2.1773	0.7781	1.1148	0.1842	2.0771
1392	60.2	60.9	1.059	0.6281	0.488	2.1751	0.7646	1.1022	0.2002	2.067
1393	60.9	60.6	1.0575	0.6278	0.4867	2.1721	0.7437	1.1181	0.2113	2.0731
1394	60.8	60.5	1.0515	0.6273	0.4911	2.1699	0.7398	1.1445	0.1927	2.077
1395	59.9	60.5	1.0498	0.6258	0.4938	2.1694	0.7281	1.1528	0.215	2.0959
1396	59.6	60.6	1.0502	0.625	0.4922	2.1674	0.7399	1.1656	0.2118	2.1173
1397	60	60.8	1.0507	0.6243	0.4906	2.1656	0.743	1.1661	0.205	2.1141

1398	58.1	60.8	1.0507	0.624	0.4902	2.1649	0.765	1.1631	0.1781	2.1062
1399	60.1	60.7	1.0487	0.6224	0.4907	2.1618	0.7107	1.1648	0.1992	2.0747
1400	59.2	60.6	1.0488	0.6213	0.4897	2.1598	0.678	1.1681	0.274	2.12
1401	58.5	60.5	1.0513	0.6185	0.4868	2.1566	0.7216	1.1631	0.2487	2.1335
1402	59.6	60.5	1.0526	0.6172	0.4852	2.155	0.7498	1.1452	0.2186	2.1136
1403	61.3	60.5	1.0532	0.6159	0.4831	2.1522	0.7687	1.1244	0.2189	2.1119
1404	62	60.5	1.0549	0.615	0.4818	2.1517	0.7471	1.1239	0.2126	2.0837
1405	63.8	60.5	1.0564	0.6146	0.4783	2.1493	0.7509	1.1243	0.1932	2.0684
1406	61.8	60.3	1.0557	0.6134	0.478	2.1472	0.7362	1.1366	0.2018	2.0746
1407	62	60.1	1.0526	0.6124	0.4797	2.1447	0.7201	1.1228	0.2103	2.0533
1408	60.5	60.1	1.0523	0.6118	0.4803	2.1444	0.7183	1.1277	0.1915	2.0375
1409	61	60	1.0498	0.6111	0.482	2.1429	0.7272	1.1263	0.1764	2.0299
1410	60.6	60	1.0477	0.6103	0.4833	2.1413	0.6693	1.1112	0.2313	2.0118
1411	59.7	60.1	1.0457	0.61	0.4837	2.1394	0.6908	1.1201	0.2151	2.026
1412	60.8	60.1	1.0435	0.6091	0.4851	2.1377	0.6811	1.1277	0.235	2.0437
1413	60.4	60	1.0414	0.6078	0.4849	2.1341	0.6264	1.1214	0.2997	2.0476
1414	60.5	59.9	1.0432	0.6062	0.481	2.1304	0.6408	1.1107	0.3134	2.0649
1415	56	59.6	1.0371	0.6051	0.4875	2.1297	0.6479	1.1105	0.3066	2.065
1416	56.6	59.5	1.0366	0.6011	0.4861	2.1237	0.6683	1.1033	0.3242	2.0959
1417	56.5	59.3	1.0372	0.6008	0.4861	2.1241	0.6802	1.1033	0.3089	2.0924
1418	59.7	59.2	1.0338	0.6013	0.4866	2.1217	0.684	1.0962	0.276	2.0562
1419	59.5	59.2	1.0335	0.6016	0.4863	2.1214	0.6536	1.1012	0.2919	2.0467
1420	59.8	59.2	1.0336	0.6011	0.4867	2.1213	0.7017	1.1063	0.246	2.054
1421	59.7	59.4	1.0322	0.6001	0.4885	2.1208	1.0157	1.1223	0.2648	2.4028
1422	59.8	59.5	1.0299	0.5987	0.4905	2.1191	2.075	1.1197	0.061	3.2558
1423	58.8	59.4	1.0253	0.5977	0.4904	2.1134	1.7468	1.0944	-0.7465	2.0946
1424	58.3	59.4	1.0229	0.597	0.4918	2.1116	2.3282	1.0945	-1.3785	2.0441
1425	59.2	59.7	1.023	0.5957	0.4924	2.1112	2.5049	1.0985	-1.5259	2.0775
1426	58.4	60	1.025	0.594	0.4921	2.111	2.5826	1.092	-1.572	2.1026
1427	60.1	60.3	1.0259	0.5909	0.489	2.1058	2.6228	1.0803	-1.5935	2.1096
1428	59.7	60.5	1.0261	0.5902	0.4864	2.1027	2.6095	1.0675	-1.5965	2.0806
1429	60.4	60.6	1.021	0.5887	0.4863	2.096	2.5891	1.0602	-1.6156	2.0337
1430	63.4	60.6	1.0208	0.586	0.4878	2.0945	2.5901	1.0613	-1.6557	1.9957
1431	62.8	60.6	1.0194	0.585	0.4873	2.0917	2.5433	1.0668	-1.6317	1.9784
1432	59.4	60.5	1.0155	0.583	0.493	2.0915	2.4985	1.0708	-1.5829	1.9863
1433	60.1	60.3	1.0174	0.5812	0.4902	2.0888	2.4944	1.0739	-1.5561	2.0122
1434	62.3	60.2	1.0184	0.5801	0.4878	2.0863	2.5093	1.0675	-1.5514	2.0254

1435	61.4	60	1.0198	0.5794	0.4865	2.0857	2.4796	1.0699	-1.508	2.0416
1436	62.3	60	1.0201	0.5776	0.4876	2.0853	2.4952	1.0599	-1.5241	2.031
1437	63.9	59.8	1.0205	0.5761	0.4879	2.0845	2.4913	1.0396	-1.5176	2.0133
1438	61.4	59.6	1.0212	0.5753	0.4856	2.0821	2.5031	1.0305	-1.5125	2.0211
1439	59.8	59.4	1.0221	0.5757	0.4843	2.0821	2.4898	1.0203	-1.5269	1.9832
1440	60.1	58.9	1.0226	0.5759	0.4828	2.0813	2.4923	1.0151	-1.5368	1.9707
1441	57.4	58.6	1.0232	0.5754	0.482	2.0806	2.4989	1.0266	-1.5499	1.9756
1442	55.9	58.4	1.0234	0.5731	0.4812	2.0777	2.4998	1.0279	-1.5485	1.9792
1443	55.3	58.3	1.0189	0.5708	0.4861	2.0758	2.5336	1.0273	-1.5758	1.9851
1444	56.4	58.1	1.0203	0.5698	0.4835	2.0736	2.5075	1.0357	-1.5665	1.9768
1445	57.5	58	1.0201	0.5672	0.4819	2.0693	2.4283	1.0475	-1.5225	1.9533
1446	56.1	57.7	1.018	0.5659	0.483	2.0669	2.388	1.0378	-1.484	1.9419
1447	56.6	57.6	1.0143	0.5642	0.4855	2.0641	2.3558	1.049	-1.4635	1.9413
1448	56.4	57.5	1.0132	0.5629	0.4854	2.0615	2.3443	1.0405	-1.462	1.9228
1449	55	57.5	1.0133	0.5619	0.4827	2.058	2.3943	1.0413	-1.4961	1.9395
1450	56.5	57.6	1.0111	0.5614	0.483	2.0556	2.3364	1.0402	-1.4525	1.9242
1451	56	57.9	1.0089	0.5608	0.4857	2.0554	2.353	1.0351	-1.473	1.9152
1452	56.9	58.1	1.0069	0.5608	0.4862	2.0539	2.4048	1.0176	-1.5196	1.9027
1453	60.1	58.2	1.0101	0.5599	0.486	2.056	2.3974	1.0159	-1.5233	1.89
1454	58.9	58.4	1.01	0.5588	0.4855	2.0543	2.3793	1.0227	-1.5194	1.8826
1455	57.2	58.5	1.0119	0.5575	0.4835	2.0529	2.3793	1.0293	-1.522	1.8867
1456	60.4	58.8	1.0141	0.5572	0.4823	2.0536	2.3709	1.0248	-1.5193	1.8763
1457	60.7	59	1.0131	0.5565	0.4822	2.0519	2.3481	1.0239	-1.4954	1.8766
1458	59.7	59.3	1.0117	0.5551	0.4813	2.0481	2.2936	1.0223	-1.4409	1.875
1459	62.2	59.5	1.0122	0.5536	0.4796	2.0454	2.3062	1.0208	-1.4548	1.8722
1460	62.1	59.9	1.0102	0.5528	0.4799	2.0429	2.3156	1.0326	-1.4642	1.884
1461	59.5	60.1	1.0111	0.5518	0.4764	2.0393	2.3068	1.0321	-1.4505	1.8883
1462	57.9	60.3	1.0133	0.5514	0.4723	2.037	2.2929	1.0419	-1.4438	1.891
1463	60.7	60.3	1.0098	0.5513	0.4727	2.0338	2.2647	1.0392	-1.4096	1.8943
1464	59.3	60.4	1.007	0.5504	0.4744	2.0318	2.3154	1.0271	-1.4585	1.884
1465	60.6	60.7	1.004	0.5491	0.474	2.0271	2.3686	1.0162	-1.5215	1.8634
1466	60.7	60.6	1.0043	0.547	0.4741	2.0254	2.3066	1.0302	-1.4812	1.8556
1467	62.5	60.7	1.0035	0.5467	0.4769	2.0271	2.3081	1.0043	-1.4902	1.8222
1468	59.5	60.7	1.0035	0.546	0.4758	2.0253	2.3507	1.0133	-1.5065	1.8575
1469	63	60.7	0.9968	0.5445	0.4814	2.0227	2.3469	1.0266	-1.5156	1.8579
1470	60.4	60.7	0.9644	0.5423	0.4788	1.9855	2.3619	1.0339	-1.5272	1.8685
1471	60.9	60.6	0.8619	0.5408	0.4953	1.8981	2.382	1.0453	-1.5481	1.8792

1472	59.6	60.5	0.8954	0.5411	0.5739	2.0104	2.3946	1.0471	-1.5526	1.8891
1473	60.8	60.5	0.8382	0.54	0.6374	2.0156	2.3889	1.0348	-1.5314	1.8923
1474	62.3	60.5	0.8261	0.5391	0.647	2.0122	2.3453	1.0319	-1.508	1.8693
1475	59.7	60.4	0.8185	0.5388	0.6514	2.0087	2.2926	1.0359	-1.4714	1.8571
1476	61.8	60.4	0.814	0.539	0.6533	2.0063	2.2242	1.0418	-1.3772	1.8888
1477	60.5	60.1	0.8136	0.5389	0.6544	2.0069	2.2716	1.0276	-1.3765	1.9227
1478	60.9	60.1	0.8125	0.5382	0.656	2.0067	2.3228	0.9956	-1.4295	1.8889
1479	62.4	59.8	0.8114	0.5368	0.6574	2.0056	2.3511	0.9883	-1.4736	1.8658
1480	58	59.7	0.8116	0.535	0.6575	2.0041	2.3039	1.0101	-1.4817	1.8323
1481	56.6	59.6	0.8126	0.5336	0.6551	2.0013	2.2904	0.9893	-1.4589	1.8208
1482	59.3	59.5	0.8134	0.5324	0.652	1.9978	2.234	0.9895	-1.4208	1.8028
1483	59.1	59.5	0.8113	0.5321	0.6511	1.9945	2.211	0.9746	-1.3561	1.8295
1484	59.9	59.4	0.8152	0.5305	0.6446	1.9902	2.2793	0.9624	-1.41	1.8317
1485	59.5	59.4	0.8133	0.5302	0.6446	1.9881	2.3079	0.9572	-1.4528	1.8123
1486	57.2	59.3	0.8142	0.5303	0.6426	1.9871	2.3173	0.9626	-1.4609	1.8189
1487	59.3	59.2	0.8153	0.5304	0.6415	1.9872	2.3391	0.9584	-1.4377	1.8599
1488	58.4	59.2	0.8148	0.5294	0.6428	1.987	2.3838	0.9542	-1.4625	1.8754
1489	58.3	59.1	0.814	0.5284	0.6433	1.9857	2.3976	0.9421	-1.4878	1.8519
1490	59.4	59.2	0.8124	0.5272	0.6434	1.983	2.4092	0.9617	-1.495	1.8759
1491	57.7	59.3	0.8081	0.5265	0.6448	1.9794	2.4413	0.9716	-1.5253	1.8877
1492	59.9	59.3	0.8057	0.5253	0.6455	1.9766	2.4489	0.988	-1.5119	1.925
1493	59.8	59	0.8067	0.5243	0.6434	1.9744	2.4673	0.973	-1.5179	1.9224
1494	59.8	58.9	0.8087	0.5225	0.6434	1.9746	2.4261	0.9466	-1.4628	1.9099
1495	60.4	58.9	0.811	0.522	0.6422	1.9752	2.4728	0.9477	-1.5186	1.9019
1496	59.4	59.1	0.8146	0.5201	0.6386	1.9733	2.4603	0.948	-1.5519	1.8564
1497	60.3	59.1	0.8163	0.5203	0.6368	1.9734	2.4133	0.9492	-1.531	1.8315
1498	60.7	59.1	0.8113	0.5199	0.6398	1.971	2.4013	0.9335	-1.5147	1.8201
1499	59.6	59.1	0.815	0.5184	0.636	1.9693	2.4085	0.9216	-1.5247	1.8055
1500	58.9	59	0.8135	0.5178	0.637	1.9683	2.394	0.9161	-1.5342	1.776
1501	58.2	59	0.8108	0.5168	0.6387	1.9663	2.3749	0.918	-1.5266	1.7663
1502	55.1	59	0.8128	0.5157	0.6375	1.9659	2.3586	0.9196	-1.502	1.7762
1503	57.9	58.9	0.8153	0.5136	0.635	1.9639	2.3138	0.9307	-1.4618	1.7827
1504	59.2	58.8	0.817	0.512	0.634	1.963	2.3121	0.9231	-1.3982	1.8369
1505	60.9	58.9	0.8193	0.5121	0.6302	1.9617	2.3127	0.9147	-1.3906	1.8368
1506	59	59	0.8209	0.511	0.6276	1.9595	2.3291	0.9015	-1.3761	1.8545
1507	58.3	59.1	0.8232	0.5102	0.6238	1.9572	2.3558	0.9058	-1.3893	1.8724
1508	58.6	59.2	0.8217	0.5097	0.6258	1.9572	2.359	0.9068	-1.3919	1.8738

1509	57.7	59.4	0.8182	0.5079	0.6284	1.9545	2.3415	0.903	-1.4003	1.8442
1510	57.5	59.6	0.817	0.5071	0.6284	1.9525	2.3499	0.8955	-1.4155	1.8299
1511	59	59.8	0.8164	0.5058	0.628	1.9503	2.0443	0.9599	-1.197	1.8072
1512	58.2	60.1	0.817	0.5051	0.626	1.9482	1.7319	0.9971	-0.9276	1.8013
1513	58.9	60.4	0.8099	0.5051	0.6307	1.9457	1.6586	0.9988	-0.8801	1.7773
1514	61	60.4	0.8063	0.5046	0.6332	1.944	1.578	1.0037	-0.8325	1.7491
1515	62.5	60.3	0.8064	0.5021	0.6356	1.9441	1.4836	1.0064	-0.7093	1.7807
1516	61.9	60.4	0.8058	0.5006	0.6351	1.9415	1.4974	1.0032	-0.7413	1.7594
1517	62.9	60.5	0.8021	0.4995	0.6368	1.9383	1.4893	0.9952	-0.7052	1.7793
1518	63.8	60.6	0.7991	0.4987	0.6381	1.9359	1.4558	1.006	-0.6609	1.8009
1519	62.1	60.9	0.7973	0.4982	0.639	1.9346	1.4397	1.0103	-0.646	1.804
1520	61	61.2	0.7954	0.4966	0.6415	1.9334	1.3843	1.004	-0.5877	1.8006
1521	62.1	61.3	0.7928	0.4954	0.6438	1.9319	1.0825	0.9893	-0.6116	1.4602
1522	62.9	61.4	0.7911	0.4952	0.6436	1.9299	0.0375	0.9781	-0.4013	0.6143
1523	60	61.5	0.7908	0.4945	0.6412	1.9265	0.3926	0.999	0.3864	1.778
1524	59.2	61.4	0.7936	0.4934	0.6389	1.9259	-0.1968	0.9973	1.0462	1.8467
1525	60.6	61.4	0.8006	0.4916	0.6302	1.9223	-0.3293	0.9925	1.1657	1.8288
1526	59.2	61.4	0.7978	0.4912	0.6297	1.9187	-0.4142	1.0001	1.2402	1.8262
1527	61.1	61.2	0.7936	0.4914	0.6319	1.9169	-0.4958	1.0156	1.3021	1.8219
1528	62.3	61.1	0.791	0.4914	0.6338	1.9161	-0.4932	1.0227	1.3209	1.8504
1529	63.9	61.2	0.7906	0.4877	0.6345	1.9128	-0.5285	1.0279	1.3691	1.8685
1530	60.4	61.1	0.7917	0.487	0.6337	1.9124	-0.538	1.0271	1.3821	1.8712
1531	60.1	61	0.796	0.4861	0.6294	1.9115	-0.5532	1.0181	1.4227	1.8875
1532	61.3	60.8	0.7944	0.4855	0.6286	1.9086	-0.5474	1.0095	1.402	1.864
1533	59.5	60.9	0.7894	0.4849	0.6312	1.9056	-0.5009	1.0008	1.3291	1.8289
1534	61.9	60.9	0.7876	0.4843	0.6331	1.9051	-0.5377	1.0121	1.3378	1.8122
1535	63.1	60.9	0.7881	0.4832	0.6326	1.9038	-0.4452	1.0127	1.2121	1.7797
1536	58.5	60.9	0.7861	0.4818	0.6313	1.8993	-0.5247	1.0026	1.2706	1.7485
1537	62.4	60.6	0.7821	0.4807	0.6342	1.897	-0.5285	1.0075	1.2559	1.7349
1538	62.4	60.3	0.7814	0.4811	0.6344	1.8969	-0.4502	1.0122	1.1918	1.7538
1539	60.9	60.1	0.7812	0.4795	0.6338	1.8945	-0.4522	1.015	1.2224	1.7852
1540	58.9	60	0.7785	0.4787	0.6353	1.8926	-0.4433	1.0179	1.2267	1.8013
1541	59	59.9	0.7784	0.4766	0.6332	1.8881	-0.4539	1.0178	1.2417	1.8056
1542	63.1	59.6	0.7767	0.4758	0.633	1.8855	-0.5221	1.0221	1.3091	1.8091
1543	59	59.5	0.7763	0.4761	0.6324	1.8848	-0.532	1.0273	1.3039	1.7992
1544	60.8	59.3	0.773	0.4751	0.6353	1.8834	-0.536	1.0324	1.3116	1.808
1545	58	59	0.7741	0.4724	0.6371	1.8836	-0.5149	1.0247	1.3321	1.8419

1546	56.3	59	0.7766	0.471	0.6361	1.8837	-0.4972	1.0203	1.3634	1.8865
1547	56.7	58.8	0.7742	0.4709	0.637	1.8821	-0.4758	1.0207	1.3389	1.8838
1548	59.9	58.7	0.7723	0.4707	0.6379	1.8809	-0.4663	1.0384	1.3247	1.8969
1549	58.2	58.5	0.7739	0.4703	0.6362	1.8804	-0.5221	1.0469	1.3647	1.8894
1550	58	58.4	0.7736	0.4696	0.6357	1.8789	-0.4846	1.0368	1.3254	1.8777
1551	55.6	58.3	0.773	0.4688	0.6359	1.8778	-0.499	1.0276	1.3415	1.87
1552	58	57.9	0.7756	0.4677	0.6324	1.8756	-0.5374	1.0092	1.371	1.8428
1553	58.7	57.7	0.7789	0.4676	0.6258	1.8723	-0.4703	1.0037	1.305	1.8383
1554	56.8	57.5	0.7787	0.4673	0.6246	1.8706	-0.4096	0.9935	1.229	1.8129
1555	58	57.5	0.779	0.4673	0.6211	1.8674	-0.2986	0.9854	1.1265	1.8133
1556	59.9	57.6	0.7785	0.4666	0.6212	1.8664	-0.2047	0.9892	1.0329	1.8173
1557	59	57.7	0.7772	0.4659	0.6214	1.8645	-0.1809	0.9906	1.0206	1.8303
1558	58.3	57.4	0.7776	0.4648	0.6213	1.8637	-0.1605	0.9982	0.999	1.8368
1559	56.6	57.5	0.7772	0.4641	0.6212	1.8624	-0.1649	1.0017	1.0228	1.8596
1560	56	57.5	0.8058	0.4569	0.5996	1.8622	-0.2356	0.9982	1.1161	1.8787
1561	56	57.6	0.8379	0.4521	0.5692	1.8592	-0.2604	1.0041	1.1631	1.9068
1562	56	57.5	0.8474	0.4515	0.5604	1.8593	-0.272	0.9958	1.1658	1.8896
1563	55.8	57.4	0.852	0.451	0.5559	1.8589	-0.2657	1.0056	1.1497	1.8896
1564	58.5	57.4	0.8587	0.4497	0.5453	1.8537	-0.3369	1.0188	1.2007	1.8825
1565	58.7	57.3	0.8543	0.4488	0.5481	1.8512	-0.3659	1.0122	1.2422	1.8885
1566	57.9	57.3	0.8554	0.4475	0.5446	1.8475	-0.3403	0.9875	1.2613	1.9086
1567	55.1	57.2	0.8579	0.4461	0.543	1.847	-0.3253	0.9789	1.215	1.8687
1568	59.8	57.1	0.8595	0.445	0.5404	1.8449	-0.39	0.9828	1.2543	1.8471
1569	57.5	57.2	0.8583	0.4441	0.5402	1.8426	-0.4517	0.9859	1.302	1.8362
1570	57.5	57.3	0.8561	0.4434	0.5399	1.8395	-0.4772	0.9859	1.3221	1.8308
1571	55.8	57.2	0.8582	0.443	0.5355	1.8366	-0.481	0.9776	1.3291	1.8257
1572	57.6	57	0.8562	0.4412	0.5352	1.8326	-0.5096	0.9864	1.3874	1.8641
1573	57.4	56.9	0.8579	0.4403	0.5327	1.8309	-0.5605	0.9933	1.4076	1.8404
1574	56	56.5	0.8591	0.4398	0.5304	1.8293	-0.5777	1.0021	1.3793	1.8037
1575	58.2	56.2	0.8599	0.4388	0.5274	1.8261	-0.5592	1.001	1.3516	1.7933
1576	58.7	56.1	0.8636	0.4374	0.5231	1.8241	-0.4643	0.99	1.2348	1.7605
1577	56.6	56	0.8629	0.4366	0.5223	1.8218	-0.4981	0.9887	1.2535	1.7441
1578	57.5	55.8	0.8654	0.4354	0.5191	1.8199	-0.5324	0.9874	1.2956	1.7507
1579	57.6	55.8	0.8652	0.4341	0.5192	1.8185	-0.5385	0.9848	1.3141	1.7604
1580	53.8	55.8	0.867	0.4332	0.5152	1.8154	-0.5208	0.9552	1.3167	1.7511
1581	52.9	55.9	0.8674	0.4327	0.5149	1.8149	-0.487	0.9569	1.309	1.7788
1582	53.6	55.7	0.8635	0.4323	0.5191	1.8149	-0.4303	0.9542	1.2648	1.7887

1583	51.5	55.5	0.8651	0.4309	0.5173	1.8133	-0.4296	0.9574	1.2444	1.7723
1584	53	55.5	0.8597	0.4292	0.5234	1.8123	-0.4629	0.9645	1.2691	1.7706
1585	56.1	55.3	0.8657	0.4299	0.5176	1.8132	-0.4654	0.9716	1.2856	1.7918
1586	53.4	55.1	0.8671	0.4295	0.517	1.8136	-0.4557	0.9676	1.28	1.7919
1587	55.1	54.9	0.8603	0.4292	0.5223	1.8118	-0.4958	0.9727	1.2665	1.7434
1588	56.9	54.7	0.86	0.4279	0.5205	1.8084	-0.5535	0.9672	1.3033	1.717
1589	58.1	54.5	0.8584	0.4266	0.5206	1.8056	-0.5837	0.9847	1.3362	1.7372
1590	57.2	54.4	0.8578	0.4254	0.5192	1.8024	-0.574	0.971	1.329	1.7259
1591	55	54.4	0.8603	0.4243	0.5139	1.7985	-0.5734	0.9591	1.329	1.7148
1592	53.2	54.4	0.8589	0.4226	0.5152	1.7967	-0.5843	0.9491	1.3345	1.6993
1593	55.9	54.4	0.8603	0.421	0.5122	1.7936	-0.6129	0.9482	1.3394	1.6747
1594	54.3	54.5	0.8602	0.42	0.5102	1.7904	-0.5987	0.9602	1.322	1.6835
1595	55	54.3	0.8607	0.42	0.5058	1.7865	-0.6212	0.9494	1.3465	1.6748
1596	53.1	54.3	0.8622	0.418	0.5047	1.7849	-0.6317	0.9306	1.3788	1.6776
1597	53.3	54.3	0.8629	0.4164	0.5043	1.7837	-0.6152	0.9268	1.371	1.6825
1598	53.4	54.2	0.8635	0.4152	0.5033	1.7821	-0.6336	0.9359	1.3797	1.682
1599	52.8	54	0.8635	0.4147	0.5034	1.7816	-0.6384	0.9491	1.3841	1.6948
1600	53.1	53.9	0.8634	0.415	0.5029	1.7813	-0.6034	0.9516	1.365	1.7132
1601	52.2	53.9	0.8645	0.4159	0.5016	1.782	-0.5797	0.9433	1.3362	1.6998
1602	52.4	54	0.8598	0.4153	0.507	1.7821	-0.5752	0.9354	1.3299	1.6901
1603	54.2	54	0.8563	0.4143	0.5121	1.7827	-0.5528	0.9273	1.2976	1.6721
1604	53.6	54	0.8468	0.4135	0.5214	1.7817	-0.5437	0.9358	1.2577	1.6498
1605	53.5	53.9	0.8398	0.4132	0.5269	1.78	-0.5357	0.9423	1.2387	1.6452
1606	54.5	53.9	0.839	0.412	0.5255	1.7765	-0.5286	0.9467	1.2263	1.6444
1607	54.9	53.9	0.8393	0.4104	0.5239	1.7735	-0.5207	0.946	1.2345	1.6598
1608	55.2	53.9	0.8382	0.4096	0.5235	1.7712	-0.5147	0.9458	1.2465	1.6777
1609	54.2	53.9	0.8418	0.4081	0.5168	1.7667	-0.5102	0.951	1.2433	1.684
1610	55.4	53.9	0.843	0.4067	0.5121	1.7618	-0.4985	0.9479	1.2198	1.6691
1611	54.3	54	0.8436	0.4063	0.5115	1.7613	-0.2032	0.8813	0.9974	1.6755
1612	56.2	54.1	0.8436	0.4046	0.5111	1.7593	0.1126	0.8438	0.6969	1.6534
1613	54.3	54.1	0.8436	0.4032	0.5106	1.7574	0.1682	0.8417	0.644	1.6538
1614	53.3	54.2	0.8429	0.4034	0.5089	1.7552	0.204	0.8594	0.6149	1.6783
1615	53	54.2	0.8405	0.4033	0.5095	1.7533	0.2606	0.8637	0.5206	1.6449
1616	53.2	54	0.8383	0.4027	0.5136	1.7547	0.2178	0.866	0.5511	1.6349
1617	53	53.7	0.8411	0.4012	0.5113	1.7536	0.2324	0.8598	0.5164	1.6086
1618	53.2	53.6	0.8442	0.4001	0.5079	1.7523	0.2674	0.8578	0.4982	1.6234
1619	53.1	53.4	0.845	0.3996	0.5068	1.7515	0.2722	0.8498	0.5072	1.6292

1620	54.3	53.2	0.8435	0.3988	0.5086	1.7509	0.2671	0.8316	0.5154	1.6141
1621	54.2	53	0.8437	0.3968	0.505	1.7455	0.2681	0.8336	0.5096	1.6114
1622	53.6	52.7	0.8471	0.3959	0.5029	1.7458	0.3031	0.825	0.4656	1.5937
1623	55.4	52.5	0.8485	0.3943	0.5033	1.7461	0.2776	0.8198	0.4742	1.5716
1624	53.7	52.4	0.8496	0.3933	0.5038	1.7466	0.3094	0.8112	0.4574	1.578
1625	51.6	52.3	0.847	0.3926	0.5067	1.7462	0.3272	0.8089	0.4543	1.5904
1626	49.7	52.2	0.8476	0.3923	0.5043	1.7443	0.3624	0.8131	0.4469	1.6225
1627	51.8	52.1	0.8468	0.3926	0.5024	1.7418	0.3761	0.811	0.4115	1.5986
1628	51.8	52.2	0.8448	0.3929	0.5024	1.7401	0.379	0.8104	0.4113	1.6006
1629	50.7	52	0.8427	0.3922	0.5028	1.7376	0.4119	0.8092	0.3889	1.61
1630	50.9	51.9	0.8404	0.3913	0.5028	1.7346	0.4281	0.7976	0.399	1.6247
1631	49.7	51.7	0.839	0.3907	0.5029	1.7326	0.4711	0.7981	0.3678	1.637
1632	50.8	51.6	0.8374	0.3898	0.5042	1.7313	0.4573	0.8023	0.3893	1.6489
1633	50.9	51.4	0.8357	0.3885	0.5043	1.7286	0.3796	0.8162	0.4742	1.67
1634	52.9	51.4	0.8341	0.3872	0.5046	1.7259	0.3792	0.815	0.4808	1.6749
1635	49.8	51.4	0.8336	0.3864	0.5046	1.7247	0.3321	0.8078	0.5375	1.6773
1636	51.4	51.7	0.8357	0.3845	0.5047	1.7249	0.3839	0.8257	0.4873	1.6969
1637	54.7	51.6	0.8374	0.384	0.5038	1.7253	0.4122	0.8297	0.4405	1.6824
1638	50.6	51.6	0.8398	0.3826	0.5008	1.7232	0.3153	0.8287	0.5525	1.6965
1639	52.1	51.7	0.8386	0.3824	0.5009	1.7219	0.3366	0.821	0.5117	1.6693
1640	50.4	51.7	0.8359	0.3828	0.5024	1.7211	0.3442	0.822	0.4854	1.6516
1641	51.3	51.7	0.8368	0.3816	0.4998	1.7182	0.3179	0.8107	0.4774	1.606
1642	52.3	51.7	0.8379	0.381	0.4991	1.718	0.3116	0.8036	0.4607	1.5759
1643	53.1	51.8	0.8362	0.3801	0.5002	1.7164	0.2692	0.7932	0.487	1.5494
1644	52.3	51.7	0.8351	0.3801	0.5007	1.7159	0.4779	0.7795	0.2862	1.5436
1645	53.8	51.8	0.8372	0.3794	0.4992	1.7159	0.7142	0.7823	0.0332	1.5297
1646	50.7	52	0.8382	0.3783	0.499	1.7155	0.7056	0.7921	0.0032	1.5009
1647	51.8	51.8	0.8376	0.3773	0.499	1.7139	0.7217	0.7815	0.0056	1.5088
1648	52.5	51.8	0.8362	0.3758	0.4995	1.7114	0.7636	0.7694	-0.0382	1.4948
1649	50.7	51.6	0.8343	0.3751	0.4997	1.7091	0.7876	0.7603	-0.0687	1.4792
1650	50	51.6	0.8316	0.3753	0.5021	1.7089	0.7791	0.7628	-0.0617	1.4801
1651	50.9	51.5	0.8305	0.3753	0.5029	1.7087	0.778	0.7679	-0.0664	1.4795
1652	52.8	51.4	0.8308	0.375	0.5026	1.7084	0.8061	0.7894	-0.089	1.5065
1653	50.6	51.2	0.8332	0.374	0.5001	1.7073	0.7844	0.7744	-0.0452	1.5136
1654	51.7	51.1	0.8323	0.3731	0.5007	1.7061	0.7712	0.7612	-0.0001	1.5323
1655	54.5	50.8	0.8318	0.3727	0.4985	1.703	0.6958	0.7635	0.0652	1.5245
1656	50.9	50.7	0.8306	0.372	0.4978	1.7004	0.6214	0.7631	0.1365	1.521

1657	50.7	50.5	0.8287	0.3713	0.4968	1.6967	0.624	0.7515	0.1324	1.5079
1658	49.9	50.4	0.8286	0.3697	0.497	1.6953	0.6389	0.7454	0.1129	1.4972
1659	50.3	50.3	0.827	0.3693	0.4992	1.6955	0.6417	0.7401	0.0954	1.4771
1660	49.2	50.3	0.8261	0.3687	0.4998	1.6946	0.6706	0.7363	0.0324	1.4394
1661	49.8	50.1	0.8267	0.3677	0.4995	1.6938	0.6482	0.7286	0.0129	1.3897
1662	49.7	49.9	0.8306	0.3673	0.496	1.6939	0.639	0.7289	0.0149	1.3827
1663	50.1	49.8	0.8316	0.365	0.4945	1.6911	0.6042	0.722	0.0281	1.3543
1664	48.5	49.6	0.8326	0.3634	0.4933	1.6892	0.5859	0.7093	0.0571	1.3524
1665	47.8	49.3	0.8325	0.3622	0.493	1.6877	0.5742	0.7259	0.0549	1.355
1666	49.4	49.2	0.8321	0.3615	0.4929	1.6866	0.5528	0.7435	0.052	1.3483
1667	49.4	49	0.8312	0.3603	0.4931	1.6847	0.5296	0.7493	0.1023	1.3811
1668	49.5	48.8	0.8323	0.36	0.4897	1.682	0.522	0.7432	0.1364	1.4016
1669	49.6	48.7	0.8316	0.361	0.4886	1.6812	0.5461	0.7396	0.1317	1.4173
1670	48.4	48.8	0.8293	0.36	0.489	1.6783	0.5619	0.745	0.1102	1.4171
1671	48.2	48.6	0.8279	0.3605	0.4889	1.6773	0.5228	0.7437	0.1467	1.4132
1672	48.2	48.5	0.8284	0.3592	0.4878	1.6754	0.5112	0.7261	0.1174	1.3546
1673	47.7	48.4	0.8269	0.3592	0.487	1.6731	0.5533	0.7161	0.1072	1.3765
1674	48.8	48.4	0.8263	0.3589	0.485	1.6703	0.5968	0.6959	0.1017	1.3945
1675	49.2	48.5	0.8237	0.3574	0.4827	1.6638	0.61	0.686	0.1194	1.4154
1676	47.6	48.3	0.826	0.3563	0.4819	1.6643	0.5952	0.6797	0.1719	1.4468
1677	46.4	48.2	0.825	0.3556	0.4812	1.6618	0.5891	0.6897	0.1535	1.4322
1678	48.5	48	0.8242	0.3545	0.4802	1.6589	0.5503	0.7104	0.1598	1.4205
1679	49.6	47.7	0.8224	0.3543	0.4793	1.6561	0.5056	0.7376	0.1861	1.4293
1680	47.7	47.5	0.8199	0.3534	0.4785	1.6517	0.4856	0.7471	0.1995	1.4322
1681	47.8	47.3	0.8216	0.3524	0.476	1.6501	0.4764	0.743	0.1936	1.413
1682	48	47.2	0.8255	0.3507	0.4717	1.6479	0.436	0.7429	0.199	1.3779
1683	47.2	47.2	0.8272	0.3494	0.4692	1.6458	0.4079	0.748	0.2171	1.373
1684	49.5	47.3	0.8265	0.3484	0.4696	1.6445	0.39	0.7394	0.2269	1.3563
1685	45.8	47.3	0.8273	0.3473	0.4689	1.6435	0.3745	0.7297	0.2349	1.3391
1686	48.2	47.5	0.8258	0.3466	0.473	1.6453	0.3693	0.729	0.2407	1.339
1687	44.9	47.8	0.8288	0.3463	0.4671	1.6421	0.3924	0.7172	0.2426	1.3522
1688	43.8	47.9	0.8263	0.3458	0.4694	1.6415	0.3978	0.7126	0.2492	1.3596
1689	46	47.9	0.824	0.3444	0.4721	1.6404	0.4188	0.6977	0.2328	1.3492
1690	43.8	48.1	0.826	0.3444	0.4715	1.6418	0.4162	0.6881	0.2289	1.3331
1691	46.4	48.2	0.8291	0.3439	0.4679	1.6409	0.3948	0.6894	0.2414	1.3255
1692	47.2	48.2	0.832	0.3433	0.4664	1.6417	0.4124	0.6877	0.2223	1.3224
1693	50.5	48.3	0.8126	0.3431	0.4836	1.6392	0.4384	0.6878	0.2176	1.3438

1694	50.5	48.3	0.7888	0.3418	0.5068	1.6374	0.4229	0.6911	0.216	1.3301
1695	49.9	48.4	0.7902	0.3408	0.5055	1.6364	0.4	0.696	0.2355	1.3316
1696	52	48.6	0.79	0.3398	0.5041	1.634	0.4081	0.6839	0.2249	1.3169
1697	50.7	48.8	0.7866	0.3395	0.5081	1.6342	0.3959	0.6598	0.2476	1.3033
1698	50.4	49.1	0.7848	0.3392	0.5102	1.6341	0.3757	0.6489	0.2722	1.2967
1699	51.6	49.2	0.7856	0.3384	0.5096	1.6336	0.3469	0.6394	0.2915	1.2778
1700	49.4	49.4	0.7856	0.3382	0.5095	1.6333	0.326	0.6445	0.293	1.2636
1701	48.6	49.5	0.7839	0.3369	0.5105	1.6314	0.3116	0.6556	0.3233	1.2906
1702	47.9	49.4	0.7814	0.3378	0.5115	1.6308	0.3712	0.6604	0.2898	1.3214
1703	49.5	49.2	0.7792	0.3381	0.5121	1.6294	0.4196	0.6649	0.2618	1.3464
1704	49.2	49	0.7772	0.3372	0.5149	1.6293	0.4529	0.6666	0.2616	1.3812
1705	50.5	48.9	0.7777	0.3369	0.5133	1.6279	0.4556	0.6572	0.2839	1.3967
1706	50.2	48.6	0.7766	0.3368	0.5123	1.6257	0.4552	0.6525	0.272	1.3797
1707	47.8	48.4	0.7754	0.3358	0.5126	1.6238	0.5371	0.6654	0.19	1.3924
1708	49.1	48.3	0.774	0.3356	0.514	1.6235	0.5309	0.6548	0.1785	1.3642
1709	47.7	48	0.7747	0.3344	0.5136	1.6227	0.495	0.6545	0.1957	1.3452
1710	47.6	47.9	0.7782	0.3338	0.5108	1.6228	0.4829	0.6595	0.2193	1.3616
1711	46.4	48	0.7797	0.3334	0.51	1.623	0.4724	0.6517	0.237	1.3611
1712	46.6	48.1	0.7832	0.3324	0.5083	1.6238	0.4861	0.6398	0.2453	1.3712
1713	45.8	48.1	0.785	0.3323	0.5049	1.6222	0.524	0.6432	0.2125	1.3797
1714	47.6	48	0.7855	0.3308	0.5034	1.6197	0.5376	0.6275	0.204	1.3691
1715	46.1	47.9	0.7852	0.329	0.5043	1.6185	0.5691	0.6063	0.1931	1.3685
1716	47.7	47.7	0.7853	0.3278	0.5034	1.6165	0.5903	0.5938	0.1897	1.3738
1717	47.8	47.7	0.7889	0.3269	0.4977	1.6135	0.5979	0.5923	0.1874	1.3777
1718	47.6	47.6	0.7896	0.3261	0.4948	1.6105	0.5743	0.5951	0.2063	1.3757
1719	46.5	47.5	0.7889	0.3251	0.4958	1.6098	0.5898	0.5968	0.1779	1.3644
1720	49.7	47.3	0.7912	0.3244	0.4939	1.6095	0.597	0.6083	0.1592	1.3646
1721	50.6	47.3	0.7926	0.3242	0.4933	1.6101	0.5561	0.6041	0.1858	1.3459
1722	48.7	47.4	0.7918	0.3243	0.4922	1.6082	0.5431	0.6097	0.1859	1.3388
1723	48.9	47.4	0.7889	0.3247	0.4931	1.6067	0.5576	0.6106	0.1518	1.32
1724	47.3	47.4	0.7886	0.3247	0.4918	1.6051	0.6408	0.6244	0.051	1.3162
1725	47.5	47.4	0.7875	0.3246	0.4895	1.6015	0.6476	0.6186	0.014	1.2803
1726	47.2	47.3	0.7887	0.3234	0.489	1.6011	0.5806	0.6015	0.0171	1.1993
1727	47.4	47.2	0.7918	0.3216	0.4864	1.5998	0.6226	0.6012	-0.0087	1.2151
1728	44.8	47.1	0.7943	0.3191	0.4838	1.5972	0.6158	0.595	-0.0286	1.1822
1729	45.1	47	0.7941	0.3175	0.4828	1.5944	0.5961	0.5938	-0.029	1.1609
1730	45.8	46.7	0.7928	0.317	0.4834	1.5933	0.5729	0.6075	-0.0283	1.1522

1731	47.6	46.4	0.7954	0.3164	0.483	1.5948	0.5325	0.5995	-0.0133	1.1187
1732	47.6	46.2	0.7966	0.315	0.4825	1.594	0.5617	0.5896	-0.052	1.0992
1733	47	46	0.7967	0.3146	0.4816	1.5929	0.6113	0.5735	-0.1063	1.0785
1734	45.8	45.7	0.7967	0.3142	0.4811	1.592	0.6207	0.5586	-0.1297	1.0496
1735	46.1	45.5	0.7967	0.3135	0.4805	1.5908	0.6058	0.55	-0.1269	1.0288
1736	46.4	45.2	0.7965	0.3128	0.4804	1.5897	0.5905	0.5426	-0.1205	1.0126
1737	44.8	45	0.7977	0.3128	0.4789	1.5893	0.557	0.5418	-0.061	1.0378
1738	44.8	45	0.7979	0.3128	0.4775	1.5883	0.5681	0.5454	-0.1147	0.9987
1739	43.6	44.9	0.797	0.3136	0.478	1.5886	0.5348	0.5622	-0.0793	1.0178
1740	44.6	44.8	0.7964	0.3139	0.4783	1.5885	0.4868	0.55	-0.0185	1.0182
1741	44.7	44.6	0.7956	0.3129	0.4776	1.586	0.4959	0.5525	-0.0037	1.0447
1742	45.9	44.4	0.7941	0.3122	0.4773	1.5836	0.5306	0.5547	-0.0454	1.0399
1743	42.5	44.2	0.7939	0.311	0.4786	1.5834	0.552	0.5554	-0.0366	1.0708
1744	42.8	44.1	0.7951	0.3105	0.4771	1.5828	0.3706	0.5554	0.1428	1.0688
1745	42.1	43.9	0.7964	0.311	0.4767	1.5842	0.1441	0.5424	0.3867	1.0732
1746	43.4	43.8	0.7986	0.3124	0.4742	1.5852	0.158	0.5378	0.3866	1.0824
1747	43.6	43.9	0.8	0.3124	0.4718	1.5842	0.1598	0.536	0.3836	1.0794
1748	43.9	43.9	0.8015	0.3118	0.4703	1.5836	0.1074	0.5387	0.4434	1.0895
1749	43.1	44	0.8017	0.3107	0.4704	1.5827	0.0633	0.5395	0.475	1.0777
1750	44.5	44	0.8004	0.3097	0.4697	1.5799	0.066	0.5432	0.4737	1.0829
1751	43.8	43.9	0.7934	0.3093	0.4739	1.5766	0.0798	0.556	0.4661	1.1018
1752	42.8	43.7	0.7889	0.3085	0.4764	1.5738	0.0638	0.5486	0.4811	1.0935
1753	44.1	43.7	0.788	0.3073	0.4739	1.5692	0.0386	0.5637	0.496	1.0982
1754	42.8	43.7	0.7867	0.3074	0.4723	1.5664	0.0158	0.5724	0.5076	1.0958
1755	43.8	43.7	0.7863	0.3074	0.4713	1.565	-0.0041	0.5682	0.5414	1.1056
1756	46.3	43.5	0.7769	0.3055	0.4788	1.5612	0.0005	0.5714	0.5304	1.1024
1757	45.9	43.4	0.7756	0.3058	0.4789	1.5603	-0.0109	0.5767	0.5254	1.0912
1758	45	43.3	0.7791	0.3043	0.4774	1.5607	-0.0241	0.5722	0.5344	1.0825
1759	44.6	43.3	0.7787	0.3033	0.4773	1.5593	-0.0397	0.5755	0.5551	1.091
1760	43.2	43.2	0.7788	0.3036	0.4761	1.5585	-0.0321	0.5693	0.5572	1.0944
1761	42.9	43.2	0.7781	0.3037	0.4749	1.5567	0.0063	0.5692	0.5323	1.1078
1762	42	43.2	0.7782	0.303	0.4747	1.5559	0.0233	0.5704	0.529	1.1227
1763	42.5	43.1	0.7779	0.3023	0.4741	1.5542	0.0632	0.5655	0.5156	1.1443
1764	42	43.2	0.7757	0.3027	0.474	1.5524	0.0845	0.5711	0.4832	1.1388
1765	40.3	43.2	0.7735	0.3028	0.474	1.5503	0.0913	0.56	0.4716	1.1229
1766	41.1	42.9	0.7724	0.3023	0.4742	1.5488	0.089	0.5455	0.487	1.1215
1767	42	42.8	0.7738	0.3008	0.4725	1.5471	0.0919	0.5382	0.482	1.112

1768	43.1	42.7	0.7733	0.3003	0.4719	1.5455	0.1356	0.5336	0.4194	1.0885
1769	42.9	42.5	0.7719	0.3001	0.4727	1.5448	0.1463	0.5309	0.3886	1.0658
1770	42.5	42.5	0.7737	0.2996	0.4704	1.5437	0.1386	0.525	0.4065	1.0701
1771	42.6	42.4	0.7736	0.2995	0.4703	1.5434	0.1694	0.523	0.3877	1.0801
1772	43.1	42.4	0.7726	0.2981	0.4726	1.5434	0.1895	0.5259	0.385	1.1004
1773	44.5	42.3	0.7628	0.2968	0.4819	1.5415	0.1814	0.534	0.3752	1.0906
1774	43.8	42.2	0.7616	0.2971	0.4836	1.5422	0.1459	0.5467	0.3922	1.0847
1775	41.5	42.3	0.7656	0.2973	0.481	1.5439	0.1438	0.5538	0.3805	1.0781
1776	42.6	42.2	0.7638	0.2962	0.4828	1.5428	0.1311	0.5599	0.3546	1.0455
1777	43	42.1	0.7634	0.2961	0.484	1.5435	0.1501	0.5507	0.3528	1.0536
1778	41.5	42	0.7646	0.2951	0.4831	1.5428	0.1941	0.5337	0.3219	1.0498
1779	42.6	41.9	0.7651	0.2936	0.4821	1.5408	0.2309	0.5075	0.2897	1.0281
1780	42	41.8	0.7666	0.2934	0.4798	1.5398	0.232	0.4911	0.2809	1.0041
1781	41.4	41.6	0.7655	0.2935	0.4812	1.5401	0.2163	0.492	0.2936	1.0019
1782	40.8	41.6	0.7644	0.2933	0.4823	1.5401	0.2574	0.4893	0.292	1.0387
1783	40.7	41.4	0.7651	0.2935	0.4822	1.5408	0.2788	0.4758	0.2883	1.0428
1784	41.1	41.4	0.7659	0.2934	0.4823	1.5417	0.2851	0.477	0.2797	1.0418
1785	40.1	41.4	0.7683	0.2931	0.4809	1.5423	0.2887	0.4788	0.2756	1.0431
1786	40.9	41.4	0.7701	0.2924	0.479	1.5416	0.2934	0.4754	0.2716	1.0405
1787	40.4	41.2	0.772	0.2918	0.4785	1.5423	0.2947	0.4719	0.2741	1.0406
1788	40.5	41.1	0.7728	0.2896	0.4773	1.5397	0.318	0.4785	0.2543	1.0508
1789	40.3	41	0.7753	0.2894	0.4739	1.5386	0.3269	0.4874	0.236	1.0504
1790	39.2	41	0.7764	0.2891	0.4719	1.5373	0.3174	0.5079	0.2479	1.0732
1791	44	41	0.776	0.2885	0.4724	1.5369	0.3124	0.5213	0.2566	1.0903
1792	40.8	41	0.7768	0.2878	0.4701	1.5346	0.3038	0.5129	0.2485	1.0652
1793	43.2	41.1	0.7755	0.2875	0.4693	1.5324	0.284	0.5101	0.2485	1.0426
1794	41.8	41.2	0.7744	0.2876	0.4682	1.5301	0.2852	0.4975	0.2753	1.058
1795	41.4	41.3	0.7744	0.287	0.4668	1.5282	0.3126	0.4983	0.2543	1.0652
1796	40.4	41.3	0.7741	0.2862	0.4658	1.5261	0.3419	0.5161	0.2519	1.1099
1797	39.9	41	0.7758	0.2856	0.4638	1.5252	0.3878	0.551	0.2098	1.1486
1798	41	40.8	0.7784	0.2852	0.4627	1.5264	0.4223	0.5618	0.1685	1.1526
1799	41.4	41.2	0.779	0.2841	0.4622	1.5253	0.4591	0.5621	0.1426	1.1638
1800	41.3	41.3	0.7776	0.2826	0.4629	1.5231	0.4717	0.5503	0.1464	1.1683