

Test Name	HPL, PIR, rep 3
Cladding	High Pressure Laminate (HPL)
Cladding Thickness [mm]	8
Insulation	Polyisocyanurate (PIR) foam
Insulation Thickness [mm]	100
Cavity Width [mm]	50
Repetition Number	3
Mass Flow Rate (Propane)	0.2
Description	This experiment is on a system consisting of a High Pressure Laminate (HPL) cladding panel and a Polyisocyanurate (PIR) foam insulation panel, separated with a cavity of 50 mm width. It is the third repetition of this system configuration.
Experiment Notes	At approximately 7 minutes the HPL panel began to touch the insulation panel, affecting the mass measurements.
Peak HRR [kW]	150
Time to Peak HRR [mins]	7.28
Residual HRR [kW]	24.2
Total HR [MJ]	111
Peak dQ/dt [kW/s]	0.889
Time to Peak dQ/dt [s]	6.28

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	-0.058	-0.058	6.9503	1.8666	-0.0009	8.8159	0.1542	0.3779	0.0045	0.5366
1	-0.0614	0.044	6.949	1.8642	-0.001	8.8121	0.154	0.3703	0.0003	0.5246
2	0.251	0.195	6.951	1.863	-0.0005	8.8135	0.1618	0.3554	-0.0061	0.5112
3	0.374	0.224	6.9504	1.8618	-0.0005	8.8117	0.158	0.3349	-0.0065	0.4864
4	0.467	0.271	6.9502	1.8607	-0.0006	8.8104	0.1652	0.3323	-0.0049	0.4927
5	0.353	0.407	6.9499	1.8599	-0.0006	8.8092	0.1735	0.3237	-0.0074	0.4898
6	0.243	0.863	6.9499	1.8597	-0.0007	8.8089	0.1807	0.3081	-0.0039	0.485
7	0.356	1.53	6.95	1.8586	-0.0008	8.8078	0.1928	0.3072	-0.0025	0.4975
8	0.512	2.28	6.9497	1.858	-0.0009	8.8068	0.2018	0.2991	0.0016	0.5025
9	0.697	3.01	6.9493	1.8578	-0.001	8.8062	0.2095	0.2913	0.006	0.5068
10	1.34	3.52	6.949	1.8576	-0.001	8.8056	0.2163	0.2846	0.0025	0.5035
11	2.72	4.06	6.9491	1.8569	-0.001	8.805	0.221	0.2883	0.0022	0.5115
12	4.02	4.62	6.9493	1.8562	-0.0011	8.8044	0.2344	0.2933	0.0011	0.5288
13	5.36	5.2	6.9492	1.8558	-0.0012	8.8037	0.2438	0.2896	0.0055	0.5389
14	6.41	5.79	6.9485	1.8553	-0.0014	8.8024	0.2529	0.2861	0.007	0.546
15	7.42	6.35	6.948	1.8548	-0.0014	8.8014	0.2528	0.2927	0.0058	0.5512
16	8.34	6.94	6.9475	1.8539	-0.0013	8.8001	0.2544	0.287	0.0069	0.5483
17	8.83	7.53	6.9474	1.8536	-0.0013	8.7997	0.26	0.2845	0.0068	0.5512
18	9.68	8.14	6.9475	1.8535	-0.0012	8.7998	0.2664	0.2851	0.0074	0.5589
19	9.57	8.7	6.9474	1.8528	-0.0012	8.799	0.2755	0.2906	0.0072	0.5733
20	10.1	9.27	6.9475	1.8527	-0.0012	8.799	0.2853	0.3036	0.0065	0.5954
21	10.9	9.75	6.9474	1.8526	-0.0012	8.7988	0.2896	0.3038	0.0064	0.5998
22	11.5	10.2	6.9475	1.8522	-0.0012	8.7985	0.2859	0.309	0.0051	0.6
23	11.7	10.5	6.9476	1.8518	-0.0013	8.7982	0.2845	0.3168	0.0049	0.6061
24	11	10.8	6.9478	1.8515	-0.0012	8.7981	0.2835	0.3186	0.0034	0.6056
25	11.4	11	6.9476	1.8515	-0.0012	8.7979	0.283	0.3203	0.0031	0.6064
26	11.5	11.2	6.9476	1.8508	-0.0013	8.7971	0.29	0.32	0.0017	0.6117
27	12.1	11.3	6.9476	1.8507	-0.0013	8.7969	0.2944	0.3184	0.0007	0.6135
28	11.4	11.4	6.9473	1.8504	-0.0012	8.7965	0.2945	0.3192	-0.0006	0.6131

29	12.3	11.5	6.9471	1.8503	-0.0011	8.7963	0.2931	0.3176	-0.0018	0.6088
30	11.7	11.6	6.9468	1.85	-0.0013	8.7955	0.2918	0.3226	-0.0018	0.6126
31	12	11.6	6.9467	1.8499	-0.0013	8.7953	0.2935	0.3196	-0.0018	0.6113
32	11.7	11.6	6.9469	1.8498	-0.0012	8.7955	0.2967	0.3119	-0.0007	0.6079
33	11.7	11.6	6.9469	1.85	-0.0011	8.7958	0.2988	0.3115	-0.0017	0.6085
34	11.5	11.7	6.9466	1.85	-0.001	8.7955	0.3079	0.312	-0.0014	0.6184
35	11.8	11.7	6.9461	1.8497	-0.0009	8.795	0.3219	0.3137	0.0004	0.636
36	11.5	11.7	6.9458	1.8494	-0.0008	8.7944	0.3249	0.3118	-0.0005	0.6361
37	11.7	11.7	6.9454	1.8493	-0.001	8.7937	0.3308	0.3107	0	0.6415
38	11.5	11.7	6.9451	1.8491	-0.0012	8.793	0.3419	0.3103	0.0012	0.6534
39	11.5	11.7	6.9449	1.8492	-0.0012	8.7929	0.3548	0.3098	0.0017	0.6663
40	11.2	11.7	6.9448	1.8493	-0.0012	8.7929	0.3674	0.3104	0.0025	0.6804
41	11.5	11.7	6.9443	1.8496	-0.0011	8.7929	0.3825	0.3054	0.0037	0.6917
42	11.8	11.7	6.9442	1.8499	-0.001	8.793	0.3896	0.312	0.0028	0.7044
43	11.9	11.7	6.9443	1.8498	-0.0012	8.7928	0.3956	0.3079	0.0017	0.7052
44	11.8	11.8	6.9446	1.8496	-0.0014	8.7928	0.3991	0.3031	0.0016	0.7038
45	11.7	11.8	6.9445	1.8497	-0.0014	8.7928	0.4074	0.3036	0.0019	0.7128
46	12	11.8	6.9446	1.8493	-0.0014	8.7925	0.4188	0.3043	0.003	0.7261
47	12.1	11.8	6.9446	1.849	-0.0013	8.7923	0.4304	0.3067	0.0041	0.7412
48	11.6	11.8	6.9443	1.8487	-0.0011	8.7919	0.4395	0.3103	0.0052	0.755
49	12.1	11.8	6.944	1.8483	-0.001	8.7913	0.4458	0.3119	0.0049	0.7626
50	11.4	11.9	6.9438	1.8483	-0.0008	8.7914	0.4501	0.3166	0.0053	0.772
51	12.8	11.9	6.9433	1.8487	-0.0004	8.7915	0.4484	0.3137	0.0031	0.7653
52	11.5	11.8	6.9433	1.8494	-0.0004	8.7923	0.4466	0.2891	-0.0004	0.7354
53	12.5	11.8	6.9427	1.8493	-0.0005	8.7915	0.4741	0.2825	0.008	0.7646
54	11.7	11.7	6.9421	1.8494	-0.0003	8.7912	0.4763	0.2671	0.0079	0.7513
55	12.2	11.7	6.9416	1.8499	-0.0005	8.791	0.4882	0.2647	0.0067	0.7596
56	11.6	11.7	6.9407	1.8497	-0.0006	8.7898	0.4999	0.2552	0.0045	0.7595
57	11.7	11.6	6.94	1.8498	-0.0008	8.789	0.5011	0.2541	0.0082	0.7633
58	11.8	11.7	6.9393	1.85	-0.0011	8.7882	0.5189	0.246	0.0048	0.7697
59	11.8	11.6	6.9387	1.8501	-0.0009	8.7879	0.528	0.2413	0.0024	0.7717
60	11.1	11.7	6.9382	1.8496	-0.0009	8.7869	0.5368	0.2397	0.001	0.7775
61	10.7	11.7	6.9371	1.849	-0.0008	8.7853	0.5494	0.2362	0.0028	0.7884
62	11.5	11.8	6.9363	1.849	-0.0011	8.7842	0.5611	0.2372	0.004	0.8022
63	11.2	11.8	6.9355	1.8489	-0.0012	8.7832	0.5791	0.2329	0.0024	0.8144
64	10.8	11.9	6.9352	1.8482	-0.0011	8.7823	0.5964	0.2273	0.0012	0.8248
65	11.4	12	6.9349	1.8483	-0.0012	8.7819	0.6049	0.2208	-0.0024	0.8233

66	11.8	12.1	6.9343	1.8481	-0.0012	8.7812	0.617	0.2148	-0.0062	0.8256
67	11.8	12.3	6.9336	1.8478	-0.0012	8.7801	0.6275	0.2035	-0.0078	0.8233
68	11.7	12.5	6.9327	1.8471	-0.0012	8.7786	0.6391	0.198	-0.0092	0.8278
69	12.9	12.8	6.9317	1.8459	-0.0012	8.7764	0.6502	0.1952	-0.0049	0.8405
70	13	13	6.9311	1.8456	-0.0012	8.7755	0.6552	0.1952	-0.0038	0.8467
71	12.7	13.3	6.9311	1.8449	-0.0011	8.7749	0.6716	0.1941	-0.0031	0.8626
72	12.5	13.5	6.9309	1.8441	-0.0011	8.7739	0.6815	0.1953	-0.0031	0.8737
73	13.6	13.8	6.9307	1.8436	-0.001	8.7733	0.692	0.1911	-0.0064	0.8767
74	14.2	14.1	6.9304	1.8432	-0.001	8.7726	0.7004	0.1899	-0.013	0.8773
75	14.2	14.3	6.9296	1.8429	-0.0009	8.7716	0.7104	0.1902	-0.0058	0.8948
76	14.9	14.6	6.929	1.8427	-0.0008	8.7709	0.716	0.1986	-0.0031	0.9115
77	16.3	14.9	6.9287	1.8423	-0.0007	8.7703	0.729	0.1926	-0.0024	0.9192
78	16.4	15.2	6.9285	1.8421	-0.0006	8.77	0.741	0.1863	-0.005	0.9223
79	15.6	15.4	6.9283	1.8414	-0.0006	8.7691	0.7558	0.1818	-0.0055	0.9321
80	15.8	15.7	6.9279	1.8413	-0.0006	8.7686	0.7656	0.1866	-0.0077	0.9444
81	15.6	15.9	6.9273	1.8416	-0.0007	8.7683	0.7729	0.1821	-0.0091	0.946
82	15.9	16.1	6.9269	1.8413	-0.0006	8.7676	0.7773	0.1875	-0.0067	0.9581
83	16.6	16.4	6.9258	1.841	-0.0006	8.7662	0.7954	0.1893	-0.0043	0.9804
84	16.4	16.5	6.9243	1.8405	-0.0008	8.7641	0.8091	0.2005	-0.0018	1.0078
85	16.5	16.7	6.9237	1.8404	-0.0007	8.7634	0.8258	0.2027	-0.0022	1.0263
86	17.3	16.8	6.9229	1.8402	-0.0007	8.7623	0.8414	0.2035	-0.0019	1.0429
87	17.4	16.9	6.9216	1.8399	-0.0009	8.7606	0.8468	0.2047	0.0049	1.0564
88	18	16.9	6.9201	1.8396	-0.0009	8.7588	0.8566	0.2092	0.0064	1.0722
89	17.3	17	6.9186	1.8393	-0.001	8.7569	0.8718	0.211	0.004	1.0868
90	17.1	17	6.9169	1.8394	-0.0011	8.7552	0.8882	0.2203	0.0029	1.1114
91	17.5	17.1	6.9158	1.8385	-0.001	8.7533	0.9018	0.2229	0.003	1.1276
92	17.8	17.1	6.9149	1.8386	-0.0009	8.7525	0.9061	0.2297	0.0121	1.1479
93	17.4	17.1	6.9142	1.8387	-0.0009	8.752	0.9195	0.2552	0.0144	1.1891
94	18	17.1	6.913	1.8384	-0.0009	8.7504	0.9356	0.2561	0.0097	1.2015
95	17	17.1	6.9115	1.838	-0.001	8.7484	0.9533	0.2583	0.0084	1.2199
96	16.8	17	6.9099	1.8374	-0.0011	8.7462	0.9702	0.2697	0.008	1.2479
97	16.8	17	6.9086	1.8368	-0.0013	8.7441	0.9897	0.2716	0.0064	1.2677
98	17.2	16.9	6.9075	1.8363	-0.0012	8.7426	1.0055	0.2672	0.0045	1.2772
99	17.1	16.8	6.9067	1.8355	-0.0013	8.7409	1.0109	0.2736	0.0071	1.2916
100	16.6	16.8	6.9055	1.8352	-0.0012	8.7394	1.0138	0.2793	0.0049	1.298
101	16.6	16.7	6.9043	1.8352	-0.001	8.7386	1.0199	0.2806	0.0045	1.3049
102	16.3	16.7	6.9036	1.8348	-0.0013	8.737	1.0196	0.2886	0.0075	1.3158

103	16.5	16.6	6.9028	1.8351	-0.0013	8.7366	1.0235	0.2958	0.0052	1.3245
104	16.7	16.6	6.9014	1.8343	-0.0012	8.7344	1.0343	0.2925	0.0054	1.3322
105	15.9	16.6	6.8999	1.8344	-0.001	8.7333	1.0402	0.2931	0.0066	1.3399
106	16	16.7	6.8998	1.8343	-0.0015	8.7325	1.0457	0.3036	0.0013	1.3506
107	15.8	16.7	6.8981	1.834	-0.0012	8.7308	1.0503	0.3065	-0.0016	1.3552
108	15.7	16.7	6.8969	1.8339	-0.0011	8.7297	1.0637	0.3096	-0.0037	1.3696
109	16.9	16.8	6.8956	1.8339	-0.0011	8.7284	1.08	0.3086	-0.003	1.3855
110	16.9	16.9	6.8941	1.8339	-0.0013	8.7267	1.0978	0.3078	-0.0017	1.4039
111	16.9	16.9	6.893	1.8332	-0.0014	8.7248	1.1072	0.3045	0.0001	1.4118
112	16.5	17	6.8914	1.833	-0.0013	8.723	1.117	0.2965	-0.0001	1.4134
113	17.2	17.1	6.8896	1.8331	-0.0014	8.7213	1.1274	0.2927	-0.0028	1.4173
114	17.6	17.2	6.888	1.8332	-0.0011	8.7201	1.1415	0.2906	-0.0032	1.4289
115	17.7	17.3	6.8863	1.8334	-0.0008	8.7188	1.1606	0.286	-0.0032	1.4434
116	17.7	17.4	6.8848	1.8335	-0.0005	8.7177	1.1743	0.2886	-0.0045	1.4584
117	17.7	17.5	6.8835	1.8338	-0.0004	8.7169	1.1904	0.2853	-0.0072	1.4684
118	18.2	17.7	6.8825	1.834	-0.0007	8.7157	1.2118	0.2822	-0.0082	1.4858
119	18.4	17.8	6.8819	1.8332	-0.0008	8.7143	1.2322	0.2812	-0.0074	1.506
120	17.4	17.9	6.8803	1.8333	-0.0009	8.7128	1.2444	0.2761	-0.0053	1.5151
121	17.8	18	6.8793	1.8331	-0.0009	8.7114	1.2593	0.2728	-0.004	1.5281
122	18.4	18.1	6.8783	1.8331	-0.0006	8.7108	1.2855	0.2725	-0.0041	1.5539
123	17.6	18.1	6.8776	1.8328	0	8.7104	1.2939	0.273	-0.0033	1.5636
124	17.8	18.1	6.8768	1.8325	-0.0007	8.7086	1.3048	0.2724	-0.0045	1.5728
125	18.1	18.2	6.876	1.8316	-0.0009	8.7067	1.3149	0.2686	-0.0062	1.5773
126	18.7	18.2	6.8747	1.8316	-0.001	8.7052	1.3262	0.2696	-0.007	1.5888
127	19.1	18.3	6.8735	1.832	-0.0008	8.7047	1.3481	0.2746	-0.0122	1.6105
128	18.6	18.4	6.8717	1.8322	-0.0007	8.7032	1.3606	0.2768	-0.0144	1.623
129	18.5	18.4	6.8705	1.8317	-0.0003	8.7018	1.3737	0.2806	-0.0137	1.6406
130	19.6	18.4	6.8696	1.8317	-0.0004	8.7009	1.3897	0.277	-0.0148	1.6519
131	17.8	18.5	6.8689	1.8311	-0.0006	8.6995	1.3962	0.2821	-0.0141	1.6642
132	17.3	18.5	6.8673	1.8309	-0.0007	8.6975	1.4097	0.2957	-0.015	1.6904
133	18	18.6	6.866	1.8299	-0.0009	8.695	1.4156	0.2926	-0.016	1.6923
134	18.8	18.6	6.864	1.8297	-0.0008	8.6929	1.4326	0.2937	-0.0167	1.7096
135	18.6	18.7	6.862	1.8294	-0.0007	8.6907	1.45	0.2914	-0.0201	1.7213
136	19.4	18.7	6.8611	1.8289	-0.0013	8.6887	1.4779	0.2985	-0.0196	1.7569
137	20.1	18.8	6.8597	1.8284	-0.0016	8.6865	1.5076	0.2994	-0.02	1.787
138	18.1	18.9	6.8579	1.828	-0.0016	8.6843	1.5298	0.2978	-0.0215	1.8061
139	17.9	19	6.8561	1.8272	-0.0015	8.6818	1.5466	0.2989	-0.0213	1.8243

140	18.4	19.1	6.8546	1.8271	-0.0015	8.6802	1.5726	0.3071	-0.0251	1.8546
141	18.5	19.2	6.8537	1.8267	-0.0023	8.6781	1.5967	0.3162	-0.0221	1.8908
142	19.2	19.4	6.8522	1.8243	-0.0024	8.6741	1.6191	0.3178	-0.022	1.9148
143	19.1	19.5	6.8507	1.8242	-0.0022	8.6727	1.6501	0.3304	-0.0208	1.9596
144	19.1	19.6	6.8493	1.8238	-0.0022	8.6708	1.6658	0.3503	-0.0205	1.9955
145	20	19.8	6.8475	1.8228	-0.0022	8.6681	1.6995	0.3668	-0.0222	2.044
146	20.1	19.8	6.8457	1.8221	-0.002	8.6657	1.7232	0.3754	-0.0233	2.0752
147	20.5	19.9	6.8441	1.8223	-0.0018	8.6646	1.7351	0.3843	-0.025	2.0944
148	20.3	20.1	6.8432	1.8214	-0.0018	8.6628	1.7585	0.3855	-0.0266	2.1175
149	20.6	20.4	6.8426	1.8204	-0.0015	8.6615	1.7798	0.3878	-0.0285	2.139
150	20.4	20.6	6.8418	1.8203	-0.0012	8.6609	1.8054	0.3941	-0.0306	2.1689
151	21.2	20.9	6.8413	1.8199	-0.0012	8.66	1.8246	0.3988	-0.0301	2.1933
152	20.8	21.2	6.8409	1.8199	-0.0009	8.6599	1.854	0.4253	-0.0291	2.2502
153	20.7	21.4	6.8393	1.82	-0.001	8.6583	1.8751	0.438	-0.0321	2.2809
154	20.8	21.6	6.8381	1.8201	-0.001	8.6572	1.9063	0.4414	-0.0331	2.3146
155	21.2	21.9	6.837	1.8196	-0.0007	8.6559	1.9361	0.4439	-0.0329	2.3471
156	21.3	22.1	6.8357	1.819	-0.0004	8.6542	1.9551	0.4554	-0.0332	2.3772
157	22.5	22.3	6.8336	1.8189	-0.0005	8.652	1.9914	0.4632	-0.0392	2.4154
158	21.9	22.5	6.8313	1.8192	-0.0008	8.6497	2.004	0.4706	-0.0364	2.4381
159	22.5	22.7	6.8289	1.8193	-0.0007	8.6475	2.023	0.4765	-0.0332	2.4662
160	24.9	23	6.8275	1.8192	-0.0009	8.6457	2.0523	0.5016	-0.032	2.5219
161	23.9	23.2	6.8254	1.8194	-0.0008	8.644	2.0703	0.5054	-0.0338	2.5419
162	24.3	23.4	6.8236	1.8197	-0.0008	8.6424	2.1	0.5049	-0.0369	2.568
163	23	23.7	6.8213	1.8198	-0.0009	8.6403	2.1046	0.5292	-0.0382	2.5956
164	24.2	23.8	6.8192	1.8196	-0.0008	8.638	2.1274	0.5339	-0.0396	2.6217
165	24.3	24	6.8175	1.8194	-0.0008	8.6361	2.1492	0.5467	-0.0377	2.6583
166	24.1	24.2	6.8152	1.8196	-0.0005	8.6343	2.1751	0.5612	-0.0358	2.7005
167	24.9	24.3	6.8124	1.8196	-0.0004	8.6315	2.2059	0.5744	-0.034	2.7463
168	24.5	24.5	6.8094	1.819	-0.0005	8.628	2.2517	0.5938	-0.0376	2.8079
169	25	24.5	6.8073	1.8183	-0.0007	8.6249	2.2982	0.6114	-0.0477	2.8619
170	26.1	24.5	6.8052	1.8183	-0.0008	8.6227	2.3306	0.6198	-0.0502	2.9001
171	24.8	24.5	6.8025	1.8177	-0.0007	8.6195	2.365	0.6318	-0.0491	2.9476
172	25.5	24.5	6.8015	1.8168	-0.0008	8.6175	2.403	0.6526	-0.0489	3.0067
173	24	24.5	6.8002	1.8164	-0.0006	8.616	2.436	0.6659	-0.0453	3.0565
174	24.6	24.5	6.799	1.8163	-0.0004	8.6149	2.4844	0.67	-0.0438	3.1106
175	24.6	24.5	6.797	1.8159	-0.0002	8.6128	2.5258	0.6893	-0.0499	3.1652
176	25.1	24.5	6.7942	1.8152	0.0004	8.6098	2.5541	0.6896	-0.0523	3.1915

177	24.6	24.5	6.7926	1.8146	0.0007	8.608	2.5849	0.7043	-0.0521	3.2371
178	23.6	24.6	6.7911	1.814	0.0008	8.606	2.6191	0.7249	-0.0494	3.2946
179	24.6	24.7	6.7894	1.8137	0.0009	8.6039	2.6438	0.7451	-0.0496	3.3393
180	24.2	24.6	6.7883	1.8131	0.0008	8.6022	2.6856	0.7508	-0.0468	3.3896
181	23.4	24.7	6.7864	1.8121	0.0008	8.5992	2.7179	0.7637	-0.0462	3.4353
182	23.7	24.7	6.7853	1.8121	0.001	8.5984	2.7573	0.7651	-0.0465	3.4759
183	24.2	24.7	6.7825	1.8116	0.001	8.5952	2.8074	0.7793	-0.0543	3.5324
184	23.9	24.8	6.7793	1.8114	0.0012	8.5919	2.8454	0.7928	-0.065	3.5733
185	24.4	24.9	6.7759	1.8105	0.0013	8.5877	2.8622	0.8156	-0.065	3.6127
186	25.3	25	6.7721	1.8102	0.0013	8.5836	2.8977	0.8201	-0.0648	3.653
187	25.7	25.3	6.7686	1.8101	0.0013	8.58	2.9326	0.838	-0.0728	3.6978
188	26.4	25.8	6.7654	1.8097	0.0012	8.5764	2.9594	0.837	-0.0776	3.7188
189	25.6	26.1	6.7613	1.8085	0.0015	8.5714	3.0031	0.8333	-0.0786	3.7578
190	25.7	26.6	6.7572	1.8078	0.0011	8.5661	3.0336	0.8302	-0.0757	3.7882
191	24.8	27.3	6.7539	1.8067	0.0012	8.5618	3.0614	0.8491	-0.0746	3.8359
192	24.6	28.2	6.7499	1.8055	0.0012	8.5566	3.1037	0.8532	-0.0825	3.8744
193	26.2	29	6.7476	1.8037	0.0011	8.5524	3.1408	0.8373	-0.085	3.8931
194	26.5	30	6.743	1.8017	0.0013	8.546	3.1601	0.8635	-0.0839	3.9398
195	27.9	31.3	6.7391	1.8004	0.0013	8.5409	3.1958	0.8675	-0.0853	3.978
196	30.7	32.5	6.7364	1.799	0.0014	8.5368	3.2335	0.8702	-0.0892	4.0145
197	31.6	33.8	6.7328	1.7982	0.0014	8.5324	3.2538	0.8832	-0.0914	4.0456
198	31.8	35.3	6.7296	1.7975	0.0016	8.5287	3.2918	0.9006	-0.0885	4.1039
199	33.1	36.8	6.7261	1.7961	0.0018	8.524	3.3274	0.9115	-0.0878	4.1512
200	36.6	38.4	6.723	1.7953	0.0018	8.5201	3.3642	0.9186	-0.0879	4.1949
201	40.6	40	6.7189	1.7927	0.0019	8.5136	3.4128	0.9225	-0.0871	4.2482
202	40.1	41.8	6.7161	1.791	0.0019	8.5089	3.4454	0.9238	-0.0862	4.283
203	43	43.5	6.7121	1.791	0.002	8.5051	3.4772	0.9316	-0.0824	4.3264
204	47.7	45.2	6.7078	1.7899	0.0021	8.4997	3.4949	0.9481	-0.0833	4.3598
205	48.8	46.8	6.7044	1.7888	0.0023	8.4955	3.5335	0.9532	-0.0858	4.4009
206	50.7	48.2	6.7007	1.788	0.0024	8.491	3.5767	0.9659	-0.0894	4.4532
207	53.9	49.5	6.6977	1.7869	0.0024	8.487	3.6188	0.9697	-0.1014	4.487
208	55	50.9	6.6946	1.7862	0.0022	8.4831	3.6424	0.9615	-0.1017	4.5023
209	55.4	52.2	6.6904	1.7837	0.0021	8.4762	3.6729	0.9703	-0.1047	4.5386
210	55.2	53.3	6.687	1.7834	0.0021	8.4725	3.7169	0.9794	-0.1037	4.5926
211	59	54.3	6.683	1.7827	0.0023	8.468	3.7653	0.9848	-0.1064	4.6437
212	58.6	55.4	6.6809	1.78	0.0025	8.4634	3.8155	0.9951	-0.1134	4.6971
213	59.4	56.3	6.6768	1.7797	0.0026	8.4591	3.858	1.0063	-0.1182	4.7461

214	57.5	56.9	6.6731	1.7785	0.0027	8.4543	3.9015	1.0194	-0.1195	4.8013
215	57.3	57.5	6.6688	1.7772	0.0028	8.4488	3.9356	1.0401	-0.1208	4.8548
216	56.8	58.1	6.6642	1.7761	0.0028	8.4431	3.9808	1.0425	-0.1215	4.9018
217	59.4	58.5	6.6583	1.7745	0.0034	8.4362	4.0236	1.0577	-0.1165	4.9649
218	57.4	58.7	6.6526	1.7728	0.004	8.4295	4.0486	1.0792	-0.1223	5.0055
219	57.7	58.9	6.6488	1.7712	0.0042	8.4243	4.0673	1.09	-0.1248	5.0325
220	58.8	59.2	6.6438	1.7701	0.004	8.418	4.1219	1.0947	-0.1319	5.0847
221	60.7	59.5	6.639	1.7678	0.004	8.4108	4.1517	1.1022	-0.1359	5.118
222	61.2	59.7	6.6347	1.7665	0.0039	8.4052	4.1847	1.1165	-0.1361	5.1651
223	58.8	59.9	6.6292	1.7658	0.0044	8.3994	4.2363	1.1227	-0.1347	5.2243
224	60.6	60.5	6.6242	1.7636	0.0043	8.3921	4.2947	1.1353	-0.1315	5.2984
225	60.9	61	6.6206	1.7626	0.0043	8.3876	4.3435	1.1602	-0.1297	5.374
226	61	61.3	6.6162	1.7611	0.0042	8.3815	4.3723	1.1808	-0.1268	5.4263
227	58.8	61.5	6.6116	1.7595	0.0041	8.3753	4.4113	1.1977	-0.127	5.4819
228	59.9	61.9	6.6073	1.7577	0.0043	8.3693	4.4653	1.1932	-0.129	5.5294
229	61.5	62.3	6.602	1.7566	0.0043	8.3629	4.5146	1.2032	-0.1315	5.5863
230	63.5	62.6	6.5978	1.7554	0.0042	8.3574	4.5603	1.205	-0.1315	5.6338
231	62.8	62.9	6.5932	1.7546	0.004	8.3519	4.6148	1.2136	-0.1338	5.6946
232	64.3	63.5	6.5866	1.753	0.0047	8.3443	4.654	1.2152	-0.1349	5.7342
233	68.5	64.2	6.5815	1.7506	0.0056	8.3376	4.7144	1.233	-0.1348	5.8126
234	66.2	64.8	6.5778	1.7481	0.0057	8.3316	4.7588	1.2444	-0.1349	5.8683
235	61.9	65.4	6.5722	1.7474	0.0058	8.3254	4.8041	1.2543	-0.1351	5.9233
236	64.7	65.9	6.5679	1.7451	0.0059	8.3189	4.8383	1.257	-0.1409	5.9544
237	64.5	66.5	6.5638	1.7447	0.0062	8.3146	4.842	1.2799	-0.1445	5.9774
238	64.7	67	6.5576	1.7447	0.0063	8.3086	4.8841	1.2961	-0.1439	6.0363
239	64.4	67.4	6.5528	1.7442	0.0061	8.303	4.9001	1.3072	-0.1439	6.0633
240	67	67.7	6.5485	1.7421	0.006	8.2966	4.9199	1.3071	-0.1422	6.0847
241	72.1	68.1	6.5433	1.7414	0.0059	8.2906	4.9392	1.3261	-0.1485	6.1168
242	72.7	68.4	6.5382	1.7406	0.0061	8.2848	4.9751	1.3231	-0.15	6.1482
243	72	68.4	6.5347	1.7378	0.0062	8.2787	4.9886	1.3253	-0.1517	6.1621
244	72.7	68.6	6.5297	1.7371	0.0063	8.273	5.0149	1.3265	-0.1518	6.1896
245	70.4	69	6.5241	1.7358	0.0067	8.2666	5.0551	1.3285	-0.1523	6.2313
246	69.4	69.3	6.5203	1.7338	0.0071	8.2612	5.0569	1.345	-0.1485	6.2534
247	70.7	69.8	6.5149	1.7322	0.0071	8.2542	5.1009	1.3435	-0.1553	6.2891
248	68.3	70.1	6.5104	1.7302	0.007	8.2476	5.1315	1.3394	-0.1582	6.3128
249	69.3	70.5	6.5062	1.7285	0.0073	8.242	5.1607	1.3407	-0.1577	6.3438
250	70.7	70.9	6.5006	1.728	0.0075	8.2361	5.2048	1.3379	-0.1555	6.3872

251	69	71.1	6.4968	1.7275	0.0074	8.2317	5.2536	1.344	-0.1568	6.4408
252	69.7	71.2	6.4932	1.7267	0.0073	8.2273	5.2883	1.3362	-0.1583	6.4662
253	69.3	71.5	6.4898	1.7252	0.0073	8.2223	5.3343	1.3338	-0.1609	6.5072
254	69.4	71.5	6.4848	1.7248	0.0076	8.2171	5.3842	1.3391	-0.1628	6.5606
255	70.1	71.8	6.4793	1.723	0.0083	8.2106	5.4182	1.3325	-0.1655	6.5853
256	74.8	72.2	6.4738	1.7221	0.0097	8.2055	5.4419	1.337	-0.1657	6.6132
257	70.2	72.4	6.4694	1.7227	0.0097	8.2018	5.4941	1.3466	-0.1667	6.6739
258	72.2	73	6.464	1.7221	0.0097	8.1958	5.528	1.3502	-0.1717	6.7065
259	75	73.4	6.4572	1.7214	0.0096	8.1883	5.5691	1.3587	-0.1755	6.7523
260	75.6	73.9	6.4509	1.7207	0.0098	8.1814	5.6143	1.3534	-0.1845	6.7833
261	74.2	74.5	6.4439	1.7199	0.0105	8.1743	5.6644	1.373	-0.1894	6.848
262	77.2	75.2	6.4378	1.7191	0.011	8.1678	5.7183	1.3723	-0.1937	6.897
263	73.9	76	6.4312	1.7179	0.0111	8.1602	5.7459	1.3605	-0.1953	6.9111
264	74.9	77.1	6.4256	1.7156	0.0113	8.1525	5.7791	1.3716	-0.197	6.9537
265	77.7	77.9	6.4194	1.7151	0.0114	8.1459	5.8226	1.3827	-0.1999	7.0054
266	74.9	78.4	6.4129	1.7138	0.0112	8.1379	5.8583	1.3915	-0.2002	7.0496
267	78.7	79.1	6.4075	1.7117	0.0118	8.131	5.8899	1.3989	-0.2019	7.0869
268	77.9	79.8	6.4027	1.71	0.012	8.1247	5.9084	1.4017	-0.2003	7.1098
269	80.3	80.4	6.3951	1.7089	0.0125	8.1165	5.9393	1.3989	-0.1962	7.142
270	80.4	80.8	6.39	1.7081	0.0128	8.1109	5.9825	1.4018	-0.195	7.1893
271	82.9	81.5	6.3841	1.706	0.0129	8.103	6.0135	1.4082	-0.198	7.2237
272	84.7	82.3	6.3779	1.7045	0.0127	8.0951	6.0615	1.3939	-0.2052	7.2502
273	88.5	83.1	6.3707	1.7028	0.0126	8.0862	6.1184	1.3985	-0.2079	7.3091
274	85.9	83.8	6.3646	1.7003	0.0126	8.0775	6.1293	1.415	-0.2042	7.3402
275	85.4	84.1	6.3598	1.6978	0.0125	8.0701	6.1575	1.4039	-0.2043	7.3571
276	82.4	84.9	6.3531	1.6955	0.0131	8.0617	6.202	1.4084	-0.2046	7.4058
277	85.6	85.2	6.3461	1.6953	0.0136	8.0551	6.2543	1.4066	-0.2078	7.4531
278	86	85.4	6.3397	1.6937	0.0139	8.0473	6.3147	1.4099	-0.211	7.5136
279	83.4	85.6	6.3333	1.6932	0.014	8.0405	6.3523	1.4061	-0.2116	7.5467
280	88.1	85.8	6.3268	1.6917	0.0142	8.0327	6.3828	1.4084	-0.2132	7.5781
281	92.7	85.9	6.321	1.6905	0.0143	8.0258	6.4235	1.4115	-0.2147	7.6203
282	88.7	85.9	6.3139	1.6888	0.0145	8.0171	6.4691	1.431	-0.2175	7.6826
283	87.5	85.7	6.3067	1.6872	0.0145	8.0084	6.4762	1.4289	-0.2129	7.6922
284	84	85.7	6.2989	1.686	0.0147	7.9996	6.5278	1.4302	-0.2129	7.7451
285	90.7	85.9	6.2921	1.6848	0.0153	7.9923	6.5633	1.4269	-0.2203	7.7699
286	83.7	86.5	6.2879	1.6822	0.0157	7.9859	6.596	1.4293	-0.2227	7.8027
287	82.2	86.6	6.2802	1.6805	0.0157	7.9764	6.6343	1.4261	-0.2276	7.8327

288	84.3	86.7	6.2754	1.679	0.0156	7.9701	6.6765	1.4397	-0.2283	7.8879
289	83.8	87.3	6.2694	1.6778	0.0158	7.963	6.7092	1.4515	-0.2295	7.9312
290	83.6	87.6	6.2633	1.6752	0.016	7.9544	6.7586	1.4601	-0.2357	7.9829
291	84.8	87.5	6.2564	1.6744	0.0162	7.947	6.8005	1.4597	-0.2406	8.0195
292	85.6	87.9	6.251	1.673	0.0164	7.9404	6.8405	1.4678	-0.2417	8.0666
293	85.8	88.5	6.2461	1.671	0.0163	7.9334	6.8729	1.4727	-0.2405	8.1052
294	89.3	89.6	6.2375	1.6688	0.0165	7.9229	6.9359	1.4619	-0.2382	8.1596
295	94.1	90.1	6.2335	1.6659	0.0162	7.9156	6.968	1.4638	-0.2361	8.1957
296	87.8	91.4	6.2263	1.6647	0.0169	7.9079	6.9972	1.4726	-0.2327	8.2372
297	87.5	92.8	6.2196	1.6643	0.0172	7.9011	7.0438	1.4759	-0.2304	8.2894
298	94.5	94	6.2135	1.6635	0.0174	7.8943	7.1013	1.4799	-0.2407	8.3405
299	92.9	95.1	6.2056	1.6623	0.0173	7.8853	7.1559	1.4724	-0.2456	8.3826
300	91.7	96.7	6.1976	1.6609	0.0175	7.876	7.1958	1.4746	-0.2457	8.4247
301	95.7	98.2	6.1901	1.6591	0.0177	7.8669	7.2286	1.4847	-0.245	8.4683
302	99.3	99.7	6.1826	1.6576	0.018	7.8582	7.2993	1.4905	-0.2518	8.5379
303	104	101	6.1737	1.6571	0.0183	7.849	7.3671	1.4951	-0.2612	8.601
304	102	103	6.1659	1.6566	0.0186	7.8412	7.4215	1.4946	-0.2674	8.6488
305	108	105	6.1602	1.6551	0.0189	7.8342	7.4873	1.5057	-0.2652	8.7278
306	109	107	6.1512	1.6533	0.0191	7.8236	7.5174	1.5158	-0.2569	8.7763
307	107	108	6.1449	1.6519	0.0196	7.8164	7.5653	1.5166	-0.2388	8.8431
308	105	110	6.1377	1.6504	0.0197	7.8078	7.6061	1.543	-0.2375	8.9116
309	114	111	6.129	1.6483	0.0205	7.7979	7.6443	1.5494	-0.2363	8.9573
310	113	113	6.1206	1.6461	0.021	7.7877	7.6672	1.5658	-0.237	8.996
311	115	114	6.1112	1.6454	0.0217	7.7783	7.7166	1.5725	-0.2375	9.0516
312	120	115	6.1063	1.644	0.022	7.7723	7.7334	1.577	-0.2318	9.0786
313	123	116	6.0989	1.6425	0.0223	7.7637	7.7669	1.5861	-0.2322	9.1208
314	121	117	6.0908	1.6403	0.0226	7.7537	7.7883	1.5873	-0.2396	9.1361
315	123	118	6.0829	1.6381	0.0228	7.7438	7.8272	1.583	-0.2418	9.1684
316	124	119	6.0752	1.6362	0.023	7.7344	7.8435	1.5957	-0.24	9.1992
317	123	120	6.0675	1.6343	0.0234	7.7252	7.8786	1.6072	-0.2393	9.2465
318	122	121	6.0587	1.6329	0.0237	7.7153	7.9133	1.5938	-0.2338	9.2733
319	119	121	6.0506	1.6311	0.0237	7.7053	7.992	1.6016	-0.2376	9.356
320	119	122	6.0425	1.6293	0.0238	7.6956	7.9919	1.608	-0.2362	9.3637
321	124	122	6.0328	1.6284	0.0245	7.6857	8.0444	1.6097	-0.2368	9.4173
322	123	123	6.0229	1.6267	0.0247	7.6743	8.0736	1.6009	-0.2423	9.4322
323	121	123	6.0162	1.6243	0.0248	7.6654	8.1058	1.6044	-0.2483	9.4618
324	122	124	6.0084	1.6232	0.0248	7.6564	8.1338	1.6063	-0.2507	9.4893

325	123	124	6.0004	1.6218	0.0248	7.647	8.1615	1.5885	-0.2518	9.4982
326	125	124	5.9908	1.6205	0.025	7.6362	8.1991	1.5836	-0.2556	9.5271
327	125	125	5.9801	1.6185	0.0252	7.6239	8.2415	1.5816	-0.2478	9.5753
328	121	125	5.9721	1.6171	0.0255	7.6146	8.2674	1.5852	-0.2476	9.6051
329	128	126	5.9637	1.6157	0.0257	7.6051	8.2958	1.5929	-0.2453	9.6435
330	119	127	5.9554	1.6142	0.0257	7.5953	8.3097	1.6004	-0.2459	9.6642
331	126	127	5.9463	1.6115	0.0258	7.5836	8.3356	1.5983	-0.2425	9.6914
332	131	128	5.939	1.6101	0.026	7.575	8.3742	1.606	-0.2443	9.7359
333	129	128	5.9287	1.6076	0.0269	7.5631	8.4245	1.6131	-0.249	9.7886
334	126	129	5.9215	1.6054	0.0277	7.5546	8.4528	1.6132	-0.2536	9.8124
335	130	130	5.9126	1.6044	0.0281	7.5451	8.4691	1.6186	-0.2541	9.8337
336	132	130	5.9044	1.6025	0.0287	7.5357	8.5043	1.6312	-0.2519	9.8836
337	135	131	5.8961	1.6007	0.029	7.5258	8.5581	1.6265	-0.2592	9.9254
338	133	131	5.8867	1.5995	0.0292	7.5154	8.6014	1.6205	-0.2612	9.9608
339	132	131	5.8769	1.5981	0.0296	7.5047	8.6292	1.6127	-0.2647	9.9771
340	139	132	5.8685	1.5962	0.03	7.4946	8.6601	1.6159	-0.2627	10.0133
341	134	132	5.8593	1.5946	0.0301	7.484	8.6871	1.607	-0.262	10.0322
342	127	132	5.8509	1.5933	0.0301	7.4743	8.7121	1.6138	-0.258	10.0678
343	136	133	5.8411	1.5917	0.03	7.4628	8.7511	1.6154	-0.2557	10.1109
344	131	133	5.8329	1.5907	0.0299	7.4535	8.8207	1.6093	-0.2627	10.1672
345	136	133	5.8244	1.5885	0.03	7.4429	8.8402	1.6055	-0.2698	10.1758
346	133	133	5.8159	1.5862	0.0301	7.4322	8.8836	1.6059	-0.2839	10.2056
347	129	132	5.8048	1.5842	0.0311	7.4202	8.9062	1.6124	-0.2817	10.2369
348	128	132	5.7948	1.583	0.0316	7.4094	8.9593	1.6244	-0.284	10.2997
349	132	132	5.7866	1.581	0.0319	7.3995	8.9829	1.6374	-0.2899	10.3304
350	137	132	5.7777	1.5795	0.032	7.3892	9.0085	1.6393	-0.2928	10.355
351	136	132	5.7668	1.5784	0.0326	7.3779	9.0079	1.6342	-0.2927	10.3493
352	133	132	5.7565	1.5772	0.0334	7.3672	9.0239	1.6252	-0.2943	10.3549
353	129	132	5.7477	1.5757	0.034	7.3574	9.0413	1.6282	-0.2952	10.3743
354	130	132	5.736	1.5742	0.0341	7.3443	9.0533	1.6374	-0.2956	10.3951
355	132	133	5.7276	1.5714	0.034	7.3329	9.0724	1.6453	-0.2929	10.4248
356	128	133	5.7172	1.5704	0.0336	7.3212	9.1302	1.6375	-0.295	10.4727
357	132	134	5.7087	1.5684	0.0335	7.3106	9.1335	1.6331	-0.2963	10.4702
358	129	134	5.6996	1.5672	0.0333	7.3001	9.1577	1.6428	-0.2905	10.51
359	134	135	5.6905	1.5648	0.0333	7.2887	9.1774	1.6408	-0.2912	10.527
360	129	135	5.6793	1.5634	0.0335	7.2762	9.2007	1.6341	-0.2891	10.5457
361	132	135	5.6705	1.5622	0.0337	7.2664	9.1971	1.6307	-0.2846	10.5432

362	136	136	5.6611	1.5604	0.0342	7.2558	9.2104	1.6346	-0.278	10.567
363	139	136	5.6524	1.5592	0.035	7.2465	9.2791	1.6415	-0.28	10.6406
364	141	137	5.6429	1.5573	0.0355	7.2356	9.2992	1.6418	-0.2826	10.6583
365	144	138	5.635	1.5556	0.0354	7.226	9.3176	1.6385	-0.2813	10.6749
366	139	139	5.625	1.5531	0.0351	7.2132	9.3355	1.6357	-0.2818	10.6894
367	136	139	5.6162	1.5523	0.0352	7.2037	9.3574	1.6287	-0.2823	10.7037
368	142	140	5.6035	1.5499	0.0357	7.1891	9.3628	1.6334	-0.278	10.7182
369	143	141	5.5959	1.5481	0.0361	7.1801	9.3749	1.6437	-0.2698	10.7487
370	141	141	5.5856	1.5472	0.0365	7.1692	9.3855	1.6369	-0.268	10.7544
371	138	142	5.5767	1.546	0.0371	7.1598	9.4366	1.6404	-0.2734	10.8037
372	143	143	5.5673	1.5441	0.0375	7.1489	9.4189	1.6518	-0.2709	10.7999
373	143	143	5.5574	1.5422	0.0377	7.1373	9.4255	1.6548	-0.2743	10.806
374	147	143	5.5485	1.5414	0.0378	7.1277	9.4649	1.645	-0.2777	10.8323
375	144	143	5.5399	1.5395	0.0381	7.1174	9.4933	1.6482	-0.2807	10.8608
376	143	143	5.5289	1.5373	0.0379	7.1041	9.5325	1.6432	-0.2819	10.8938
377	148	144	5.5194	1.5368	0.0384	7.0945	9.5373	1.6388	-0.2855	10.8907
378	144	144	5.5101	1.5344	0.0384	7.083	9.5375	1.6346	-0.2878	10.8844
379	142	144	5.5024	1.5331	0.0386	7.0741	9.5528	1.6401	-0.2884	10.9046
380	147	145	5.4932	1.5319	0.0384	7.0636	9.5658	1.6406	-0.2898	10.9166
381	146	146	5.4836	1.5299	0.0387	7.0522	9.5661	1.6408	-0.2952	10.9116
382	144	146	5.4714	1.5275	0.0394	7.0383	9.5901	1.6275	-0.3134	10.9042
383	142	146	5.4614	1.5259	0.0399	7.0271	9.6445	1.5932	-0.324	10.9136
384	147	146	5.452	1.5241	0.0401	7.0162	9.6894	1.5615	-0.3328	10.918
385	140	146	5.4417	1.5217	0.0405	7.0039	9.6226	1.6252	-0.3279	10.9199
386	149	147	5.4321	1.5196	0.0416	6.9933	9.6436	1.6422	-0.3288	10.957
387	150	147	5.4201	1.5184	0.0418	6.9803	9.6559	1.6481	-0.3243	10.9797
388	146	147	5.4125	1.5177	0.0421	6.9723	9.5935	1.7162	-0.3257	10.984
389	151	148	5.4033	1.5162	0.042	6.9616	9.6274	1.6946	-0.3318	10.9902
390	152	148	5.3946	1.5145	0.0422	6.9512	9.6312	1.6915	-0.3357	10.987
391	149	148	5.3852	1.513	0.042	6.9402	9.544	1.7871	-0.3354	10.9958
392	148	148	5.3759	1.5114	0.0419	6.9293	9.4123	1.9633	-0.3359	11.0397
393	147	148	5.364	1.5101	0.0426	6.9167	9.3003	2.0226	-0.3331	10.9898
394	146	148	5.3535	1.5083	0.0435	6.9053	9.5701	1.7967	-0.3362	11.0307
395	149	149	5.3451	1.5054	0.0445	6.895	9.5317	1.8064	-0.3401	10.9979
396	152	149	5.3357	1.5034	0.0451	6.8842	9.4371	1.8891	-0.3399	10.9863
397	151	149	5.3237	1.5019	0.0456	6.8711	9.4642	1.8766	-0.3397	11.0011
398	147	150	5.3152	1.4997	0.0464	6.8613	9.3526	1.9636	-0.3342	10.982

399	150	150	5.3048	1.4984	0.0466	6.8498	9.3075	1.9782	-0.3288	10.957
400	150	150	5.2969	1.4975	0.0467	6.8411	9.3175	1.965	-0.3234	10.9592
401	144	150	5.2877	1.4966	0.0472	6.8315	9.1993	2.0846	-0.3234	10.9605
402	147	151	5.2785	1.4948	0.0475	6.8208	9.3114	1.9948	-0.3186	10.9876
403	148	151	5.2684	1.4933	0.0478	6.8095	9.4071	1.9051	-0.3123	10.9998
404	146	151	5.2587	1.4921	0.0479	6.7987	9.0197	2.2811	-0.3086	10.9923
405	150	152	5.2472	1.4914	0.0484	6.7869	8.6563	2.6097	-0.3091	10.9569
406	157	152	5.2379	1.49	0.0487	6.7766	8.4636	2.8083	-0.3114	10.9604
407	157	152	5.2291	1.4876	0.0486	6.7654	8.4817	2.7567	-0.3162	10.9223
408	158	153	5.22	1.4863	0.0489	6.7551	8.4448	2.7718	-0.3175	10.8991
409	149	153	5.2089	1.4849	0.0495	6.7433	8.4152	2.8152	-0.3195	10.9109
410	157	154	5.2009	1.483	0.0495	6.7334	8.3513	2.8627	-0.3196	10.8944
411	157	154	5.1901	1.482	0.0495	6.7216	8.3119	2.878	-0.32	10.8699
412	156	155	5.1784	1.4798	0.05	6.7083	8.1855	2.9962	-0.318	10.8636
413	152	155	5.169	1.4783	0.0506	6.6979	8.0778	3.1001	-0.3111	10.8669
414	155	156	5.159	1.4764	0.0508	6.6862	8.0963	3.0799	-0.3026	10.8736
415	159	156	5.1494	1.4745	0.051	6.6749	8.1019	3.0558	-0.3033	10.8544
416	158	156	5.1395	1.4733	0.0513	6.664	8.3164	2.8661	-0.3028	10.8797
417	160	155	5.1312	1.471	0.0512	6.6534	8.3096	2.8262	-0.3055	10.8304
418	153	156	5.1212	1.4686	0.0507	6.6404	8.0666	3.0964	-0.3062	10.8569
419	159	156	5.112	1.4674	0.0505	6.6299	7.9805	3.1654	-0.3014	10.8445
420	154	156	5.0988	1.4653	0.0512	6.6153	7.9352	3.2118	-0.3	10.8469
421	160	156	5.0909	1.4632	0.0516	6.6058	7.9502	3.1911	-0.2966	10.8448
422	155	157	5.0803	1.4612	0.0522	6.5937	7.9122	3.1914	-0.2887	10.8149
423	153	157	5.0697	1.4598	0.0526	6.5821	7.7517	3.3695	-0.2877	10.8335
424	152	157	5.0591	1.4584	0.0528	6.5703	7.6251	3.4651	-0.2881	10.8021
425	155	157	5.0472	1.4575	0.053	6.5576	7.518	3.5895	-0.2872	10.8203
426	153	157	5.037	1.4566	0.0535	6.5471	7.3452	3.7486	-0.2833	10.8105
427	159	157	5.0264	1.4551	0.054	6.5355	7.1025	4.034	-0.2827	10.8537
428	161	157	5.0168	1.453	0.0543	6.5242	6.5629	4.5076	-0.2762	10.7943
429	155	157	5.0071	1.4517	0.0546	6.5134	6.5436	4.5373	-0.2765	10.8044
430	160	158	4.9988	1.4501	0.0552	6.5042	6.405	4.6505	-0.2748	10.7807
431	163	158	4.9873	1.4488	0.0571	6.4932	6.2857	4.7756	-0.2757	10.7856
432	153	158	4.9745	1.4508	0.0584	6.4837	6.1636	4.8881	-0.2729	10.7788
433	162	158	4.9597	1.4515	0.0601	6.4713	5.9086	5.1088	-0.2711	10.7463
434	155	158	4.9592	1.4429	0.0605	6.4626	5.6981	5.3131	-0.271	10.7402
435	158	158	4.9483	1.4402	0.061	6.4495	5.4798	5.4882	-0.2678	10.7001

436	159	158	4.9388	1.4377	0.0611	6.4377	5.203	5.8105	-0.2627	10.7507
437	157	158	4.9368	1.4291	0.0616	6.4274	4.9564	5.9729	-0.2548	10.6745
438	164	158	4.9239	1.4301	0.0624	6.4164	4.8335	6.1616	-0.2557	10.7394
439	161	158	4.9138	1.429	0.0632	6.406	4.5241	6.424	-0.2509	10.6973
440	162	157	4.914	1.4175	0.0636	6.3951	4.2407	6.6999	-0.2509	10.6897
441	153	157	4.9181	1.3982	0.0637	6.38	4.2121	6.7544	-0.251	10.7155
442	159	157	4.9208	1.3911	0.0634	6.3753	4.2092	6.738	-0.253	10.6941
443	152	157	4.8841	1.412	0.0636	6.3597	4.0569	6.9115	-0.2544	10.7139
444	161	157	4.8797	1.4101	0.0639	6.3537	3.9615	6.9908	-0.2542	10.6981
445	155	157	4.8807	1.3996	0.064	6.3443	3.8033	7.1585	-0.2472	10.7146
446	155	157	4.8695	1.3985	0.0641	6.3321	3.3578	7.583	-0.2332	10.7076
447	153	157	4.8695	1.3879	0.0645	6.322	3.1654	7.747	-0.2284	10.684
448	151	156	4.8641	1.3852	0.0644	6.3137	2.9123	8.0912	-0.2238	10.7797
449	154	156	4.8548	1.3845	0.0642	6.3036	2.6536	8.2473	-0.2151	10.6859
450	157	155	4.8578	1.3711	0.0643	6.2932	2.6066	8.271	-0.2107	10.6669
451	160	154	4.8357	1.3789	0.0645	6.2791	2.4215	8.4582	-0.2085	10.6712
452	157	154	4.8158	1.3867	0.0647	6.2672	2.1799	8.7065	-0.2056	10.6808
453	157	154	4.8457	1.3476	0.0649	6.2582	1.8486	9.0319	-0.2033	10.6772
454	155	153	4.8704	1.3132	0.065	6.2486	1.5845	9.2768	-0.2031	10.6581
455	154	153	4.8812	1.2906	0.0651	6.2369	1.4154	9.4529	-0.2132	10.6551
456	155	153	4.8691	1.2947	0.0652	6.229	1.0242	9.8272	-0.217	10.6343
457	155	152	4.8643	1.2913	0.0652	6.2207	0.7507	10.1038	-0.2184	10.6361
458	151	152	4.8581	1.2857	0.0652	6.209	0.645	10.1729	-0.2169	10.601
459	144	152	4.8554	1.2785	0.0653	6.1992	0.006	10.8451	-0.2095	10.6416
460	144	151	4.8481	1.2756	0.0655	6.1892	-0.4938	11.2962	-0.2033	10.5991
461	151	150	4.852	1.2625	0.0655	6.1801	-0.5223	11.3573	-0.2016	10.6334
462	154	150	4.8533	1.2504	0.0653	6.1691	-0.6236	11.4699	-0.2004	10.6459
463	141	149	4.8427	1.2512	0.0653	6.1592	-0.5958	11.4126	-0.1943	10.6226
464	152	149	4.8327	1.2517	0.0658	6.1502	-1.0341	11.8521	-0.1884	10.6296
465	154	148	4.8034	1.269	0.0657	6.138	-0.9442	11.7677	-0.188	10.6355
466	145	148	4.794	1.2705	0.0656	6.1302	-0.9505	11.7763	-0.1877	10.638
467	147	148	4.8095	1.2426	0.0658	6.118	-1.5304	12.36	-0.1853	10.6443
468	147	147	4.8055	1.2333	0.0659	6.1047	-1.7113	12.5657	-0.2001	10.6543
469	144	148	4.8024	1.2269	0.0661	6.0954	-1.7123	12.4381	-0.2104	10.5154
470	147	148	4.7906	1.228	0.0661	6.0847	-2.0117	13.1475	-0.2122	10.9236
471	146	148	4.7855	1.2268	0.066	6.0783	-2.2256	13.0804	-0.2083	10.6466
472	145	147	4.7921	1.2071	0.0663	6.0656	-2.0817	13.0613	-0.2037	10.7759

473	154	148	4.7949	1.1957	0.0665	6.057	-2.3992	13.2419	-0.2001	10.6425
474	142	148	4.7967	1.1825	0.0665	6.0457	-2.6778	13.5167	-0.1945	10.6445
475	147	147	4.8054	1.1646	0.0664	6.0364	-2.9983	13.8152	-0.1918	10.6251
476	148	147	4.8187	1.1339	0.0662	6.0187	-3.2567	14.0938	-0.195	10.6421
477	149	147	4.8631	1.086	0.066	6.0151	-3.673	14.5804	-0.1956	10.7118
478	148	148	4.8557	1.0807	0.0661	6.0025	-4.1116	14.9509	-0.1951	10.6442
479	149	148	4.8619	1.0681	0.0661	5.9961	5.5231	5.1577	-0.1911	10.4897
480	146	148	4.8647	1.0544	0.066	5.985	4.1769	6.7514	-0.1987	10.7296
481	151	147	4.8672	1.0411	0.066	5.9743	2.6364	8.3274	-0.1943	10.7696
482	151	148	4.8806	1.0166	0.0665	5.9636	1.6434	9.2926	-0.18	10.756
483	144	147	4.8916	0.9946	0.067	5.9531	0.7485	10.2106	-0.1682	10.7909
484	144	148	4.904	0.9753	0.0669	5.9462	-0.1057	11.0049	-0.1482	10.751
485	152	147	4.9214	0.9407	0.0668	5.9289	-0.4629	11.3406	-0.1438	10.7339
486	149	147	4.9365	0.9223	0.0671	5.9259	-0.9711	11.8349	-0.1393	10.7245
487	148	147	4.9367	0.9023	0.0674	5.9064	-1.6327	12.4933	-0.1388	10.7218
488	148	147	4.9601	0.8753	0.0672	5.9026	-2.1261	13.0203	-0.1383	10.7559
489	146	147	4.9793	0.8463	0.0671	5.8927	-1.9323	12.9553	-0.1311	10.8919
490	141	147	4.9734	0.839	0.0673	5.8797	-2.8122	13.5921	-0.1313	10.6486
491	146	147	4.9643	0.8392	0.0673	5.8708	-3.055	13.8496	-0.1314	10.6632
492	149	147	4.9702	0.8203	0.0674	5.8579	-3.4449	14.2256	-0.1283	10.6524
493	147	147	4.9679	0.811	0.068	5.8469	-3.7443	14.6509	-0.1337	10.7728
494	146	147	4.9732	0.7924	0.0682	5.8338	-4.3185	15.1251	-0.1342	10.6724
495	147	147	5.0093	0.7471	0.0679	5.8242	-4.6695	15.5426	-0.1295	10.7436
496	140	147	5.0192	0.7287	0.0679	5.8158	-4.9186	15.7895	-0.1287	10.7422
497	148	147	5.0324	0.6927	0.068	5.7932	-5.2945	16.1563	-0.1279	10.7339
498	149	147	5.0498	0.675	0.0679	5.7927	-5.2579	16.0883	-0.1216	10.7089
499	147	147	5.0441	0.6713	0.0677	5.7831	-5.0584	15.9475	-0.1246	10.7645
500	151	148	5.0547	0.6517	0.0676	5.774	-5.2952	16.2012	-0.1276	10.7783
501	147	148	5.0697	0.6259	0.0677	5.7634	-5.5317	16.4297	-0.1238	10.7742
502	148	148	5.0936	0.5916	0.0679	5.7531	-5.5331	16.3975	-0.1212	10.7433
503	149	148	5.1099	0.5656	0.0682	5.7437	-5.8774	16.6774	-0.1173	10.6828
504	151	148	5.1172	0.5468	0.0692	5.7332	-5.5335	16.3764	-0.1154	10.7276
505	152	149	5.1448	0.5087	0.0701	5.7235	-5.3256	16.1932	-0.1104	10.7572
506	145	149	5.1628	0.4796	0.0705	5.713	-5.374	16.2504	-0.1066	10.7698
507	153	150	5.1646	0.4703	0.0703	5.7053	-5.8547	16.7916	-0.107	10.8299
508	142	150	5.2194	0.4018	0.0698	5.691	-5.8672	16.8143	-0.1076	10.8395
509	147	151	5.2583	0.3553	0.0698	5.6834	-5.7859	16.7133	-0.1122	10.8152

510	154	151	5.2531	0.3473	0.0697	5.6701	-5.6085	16.5556	-0.1209	10.8262
511	152	151	5.2525	0.335	0.0695	5.657	-5.5541	16.5335	-0.1193	10.8601
512	152	152	5.238	0.3386	0.0695	5.646	-5.034	15.9905	-0.1168	10.8397
513	147	152	5.2724	0.2931	0.0694	5.6349	-4.9691	15.9368	-0.1157	10.8519
514	151	153	5.2535	0.2996	0.0696	5.6227	-5.0449	15.9971	-0.1164	10.8358
515	157	153	5.2444	0.2969	0.0698	5.6111	-5.0291	16.0045	-0.1141	10.8613
516	159	154	5.2925	0.2373	0.0698	5.5996	-5.2218	16.1785	-0.1148	10.8419
517	155	154	5.3023	0.2144	0.0712	5.5879	-5.1902	16.1815	-0.115	10.8763
518	159	154	5.2925	0.2247	0.0717	5.5889	-4.872	15.8868	-0.114	10.9008
519	153	155	5.3132	0.1526	0.0717	5.5375	-4.3673	15.3092	-0.1139	10.8281
520	151	155	5.3214	0.1572	0.072	5.5506	-4.1644	15.118	-0.1292	10.8243
521	153	155	5.2991	0.1571	0.072	5.5282	-4.0481	15.0007	-0.1391	10.8135
522	161	155	5.3203	0.137	0.0722	5.5294	-4.1764	15.1123	-0.1383	10.7976
523	160	156	5.3375	0.1082	0.072	5.5177	-3.9586	14.9514	-0.1281	10.8647
524	165	156	5.3589	0.0769	0.072	5.5078	-2.78	13.8163	-0.1309	10.9054
525	154	155	5.3729	0.0481	0.0725	5.4934	-2.1349	13.175	-0.1413	10.8987
526	149	155	5.4043	-0.0014	0.0731	5.4759	-2.3116	13.3404	-0.149	10.8798
527	154	155	5.4375	-0.04	0.0735	5.471	-2.1573	13.0877	-0.1509	10.7796
528	155	155	4.4645	0.9373	0.0734	5.4752	-1.3899	12.4039	-0.1577	10.8562
529	151	155	4.5894	0.7765	0.0745	5.4404	-0.4695	11.4726	-0.1667	10.8364
530	158	155	4.7352	0.6174	0.0747	5.4272	0.2122	10.8147	-0.1684	10.8585
531	160	155	4.8229	0.5195	0.0751	5.4176	0.351	10.6574	-0.1682	10.8402
532	155	155	4.8997	0.4297	0.0752	5.4046	0.4848	10.5661	-0.1671	10.8838
533	148	155	4.9703	0.351	0.075	5.3962	0.605	10.372	-0.1621	10.8148
534	150	154	5.0055	0.3089	0.0749	5.3892	0.6832	10.2945	-0.154	10.8237
535	157	154	5.0454	0.2567	0.0749	5.377	0.7231	10.2981	-0.154	10.8672
536	155	155	5.1021	0.1884	0.075	5.3655	0.7866	10.1375	-0.1583	10.7658
537	155	155	5.1494	0.1271	0.0754	5.3519	1.2643	9.73	-0.1564	10.838
538	159	155	5.1172	0.1346	0.0755	5.3272	1.2884	9.6374	-0.1621	10.7637
539	154	156	5.195	0.0698	0.0763	5.3411	1.3602	9.6259	-0.1835	10.8026
540	152	156	5.2195	0.0325	0.0767	5.3287	1.4468	9.5229	-0.1877	10.7821
541	155	156	5.2625	-0.0243	0.0765	5.3147	1.1436	9.7787	-0.1896	10.7327
542	154	156	5.2953	-0.074	0.0768	5.298	0.8897	10.0477	-0.1917	10.7456
543	157	157	5.3159	-0.1005	0.077	5.2924	1.6935	9.2086	-0.1913	10.7108
544	154	157	5.3467	-0.1442	0.0769	5.2793	1.5349	9.3007	-0.1801	10.6555
545	159	157	5.3726	-0.1794	0.0768	5.27	1.5727	9.2091	-0.1767	10.605
546	161	157	5.3989	-0.2171	0.0769	5.2587	1.9882	8.7829	-0.1785	10.5926

547	157	157	5.3953	-0.221	0.0767	5.2511	2.0891	8.705	-0.1788	10.6153
548	157	156	5.3699	-0.2096	0.0769	5.2372	2.2659	8.3612	-0.1779	10.4492
549	157	156	5.3844	-0.2356	0.077	5.2258	2.4715	8.2441	-0.1816	10.5339
550	161	156	5.4109	-0.2719	0.0767	5.2158	2.3466	8.3491	-0.1819	10.5138
551	157	156	5.389	-0.2608	0.0766	5.2048	2.7706	7.9296	-0.1794	10.5208
552	163	156	5.4035	-0.2811	0.0764	5.1989	3.1524	7.5239	-0.1759	10.5004
553	154	156	5.399	-0.29	0.0764	5.1855	3.4056	7.2421	-0.1742	10.4734
554	153	156	5.403	-0.3061	0.0761	5.1729	3.7997	6.8582	-0.1807	10.4772
555	155	156	5.4186	-0.3345	0.0758	5.1599	3.7665	6.9	-0.2076	10.4589
556	157	156	5.4545	-0.3844	0.0759	5.146	4.649	6.0214	-0.2011	10.4693
557	151	156	5.451	-0.3902	0.076	5.1368	4.755	5.8845	-0.2388	10.4007
558	152	156	5.4367	-0.3857	0.0765	5.1275	5.1911	5.4413	-0.2427	10.3898
559	155	156	5.4162	-0.377	0.0774	5.1166	6.3836	4.2109	-0.2467	10.3478
560	149	156	5.4035	-0.3777	0.0774	5.1032	6.6588	3.9102	-0.2454	10.3236
561	154	156	5.3554	-0.3365	0.0772	5.0961	6.5575	3.9564	-0.2464	10.2674
562	152	155	5.3502	-0.3432	0.0769	5.0839	6.6248	3.8888	-0.2484	10.2652
563	156	156	5.3472	-0.3486	0.0769	5.0756	6.6348	3.8045	-0.2484	10.1909
564	157	156	5.3356	-0.3488	0.0772	5.0641	7.1921	3.2162	-0.2505	10.1577
565	158	156	5.3256	-0.3489	0.0772	5.0538	7.148	3.1334	-0.2501	10.0314
566	159	156	5.313	-0.3477	0.0771	5.0425	7.1426	3.1404	-0.2464	10.0366
567	163	156	5.2967	-0.346	0.0772	5.0279	7.8116	2.4448	-0.2449	10.0115
568	159	157	5.2422	-0.2976	0.0773	5.0219	7.9641	2.2422	-0.2288	9.9775
569	158	157	5.2188	-0.2849	0.0791	5.013	7.8253	2.464	-0.2239	10.0654
570	158	157	5.1954	-0.272	0.08	5.0034	8.0894	1.7545	-0.2271	9.6168
571	155	157	5.2031	-0.2844	0.0798	4.9985	8.2475	1.8033	-0.2236	9.8272
572	158	158	5.188	-0.288	0.0791	4.9791	8.2257	1.6761	-0.2193	9.6825
573	159	157	5.0729	-0.1859	0.0796	4.9665	8.5718	1.4312	-0.2136	9.7893
574	160	157	5.0102	-0.135	0.0806	4.9558	8.8462	1.1047	-0.2139	9.737
575	157	157	5.0365	-0.1694	0.0813	4.9484	9.1615	0.7595	-0.2132	9.7078
576	156	156	5.0344	-0.1749	0.0813	4.9408	9.4372	0.4365	-0.2099	9.6637
577	158	155	5.0021	-0.1544	0.0818	4.9295	9.6744	0.1183	-0.2025	9.5902
578	158	155	4.9027	-0.0666	0.0828	4.9189	10.4507	-0.6628	-0.2007	9.5872
579	158	155	4.8406	-0.0134	0.0829	4.9102	0.7224	9.1734	-0.2004	9.6954
580	156	155	4.8296	-0.0114	0.0828	4.901	2.2381	7.405	-0.1865	9.4566
581	153	154	4.8187	-0.0155	0.0827	4.886	4.0596	5.514	-0.1861	9.3875
582	152	154	4.8201	-0.0206	0.0827	4.8822	5.2549	4.3359	-0.2022	9.3886
583	152	154	4.8233	-0.0349	0.0824	4.8708	5.75	3.7907	-0.2249	9.3158

584	151	153	4.8317	-0.0545	0.0823	4.8595	6.3752	3.1381	-0.2287	9.2846
585	149	153	4.8427	-0.0731	0.0826	4.8523	6.8988	2.6279	-0.2269	9.2998
586	149	153	4.8101	-0.0507	0.0827	4.8421	7.3107	2.1658	-0.2276	9.2489
587	149	152	4.8079	-0.0615	0.0836	4.83	7.8303	1.6137	-0.2285	9.2155
588	156	151	4.8241	-0.0873	0.0855	4.8224	8.2764	1.0879	-0.227	9.1373
589	156	151	4.8346	-0.106	0.0859	4.8145	8.1372	1.0479	-0.229	8.956
590	150	150	4.859	-0.1388	0.0862	4.8064	9.0141	0.3544	-0.2208	9.1478
591	152	150	4.8753	-0.1655	0.0865	4.7963	9.4815	-0.159	-0.2173	9.1053
592	149	149	4.8009	-0.1006	0.0865	4.7868	10.0224	-0.7693	-0.2195	9.0337
593	150	149	4.8144	-0.1191	0.086	4.7814	10.5864	-1.4371	-0.2179	8.9315
594	153	149	4.8159	-0.1285	0.0859	4.7733	11.1464	-1.9791	-0.2196	8.9477
595	150	149	4.8105	-0.1312	0.0857	4.765	12.4396	-3.2904	-0.2246	8.9247
596	145	148	4.8103	-0.1418	0.0858	4.7543	13.1986	-4.075	-0.2269	8.8968
597	146	148	4.8059	-0.1434	0.0858	4.7483	13.4722	-4.3957	-0.2239	8.8526
598	148	147	4.8027	-0.1494	0.086	4.7393	13.4355	-4.3737	-0.2223	8.8394
599	146	147	4.8095	-0.1636	0.0859	4.7317	13.1872	-4.1877	-0.221	8.7784
600	143	146	4.7776	-0.1413	0.0855	4.7219	13.2169	-4.2671	-0.2219	8.7279
601	144	145	4.7545	-0.1265	0.0853	4.7133	13.5136	-4.5839	-0.2236	8.706
602	150	145	4.7531	-0.1326	0.0853	4.7057	13.3516	-4.4277	-0.224	8.6999
603	143	144	4.73	-0.1202	0.0862	4.696	13.5345	-4.6387	-0.2259	8.6698
604	144	143	4.7405	-0.1432	0.09	4.6873	13.4856	-4.6528	-0.226	8.6068
605	144	143	4.6799	-0.0935	0.0902	4.6766	13.6108	-4.828	-0.231	8.5518
606	142	142	4.6873	-0.1088	0.0944	4.6729	13.8729	-5.1752	-0.233	8.4647
607	140	141	4.6455	-0.0738	0.0946	4.6663	14.2408	-5.635	-0.2269	8.3788
608	144	141	4.581	-0.0193	0.0945	4.6562	14.4489	-5.8383	-0.2252	8.3853
609	140	140	4.5924	-0.0357	0.0943	4.651	14.2007	-5.6107	-0.222	8.368
610	140	139	4.5974	-0.0483	0.0943	4.6433	13.9829	-5.4752	-0.2112	8.2965
611	139	139	4.59	-0.0539	0.0943	4.6305	13.8772	-5.4323	-0.2097	8.2352
612	136	138	4.5745	-0.0419	0.0943	4.6269	13.4635	-5.0263	-0.2108	8.2264
613	138	138	4.5532	-0.0285	0.0945	4.6192	13.3439	-4.9536	-0.2143	8.1761
614	138	137	4.5387	-0.0137	0.0946	4.6195	13.3426	-4.9535	-0.2189	8.1702
615	133	137	4.5302	-0.0172	0.0944	4.6074	13.3526	-4.9982	-0.2174	8.1371
616	135	136	4.5113	-0.0072	0.0943	4.5985	13.2826	-4.944	-0.2193	8.1193
617	133	136	4.5059	-0.0098	0.0941	4.5902	13.2636	-4.9693	-0.2188	8.0755
618	130	136	4.5099	-0.0217	0.0941	4.5823	13.1788	-4.9646	-0.2177	7.9966
619	133	136	4.5043	-0.0228	0.0944	4.5759	12.7777	-4.5341	-0.2152	8.0285
620	134	135	4.4966	-0.0231	0.0943	4.5679	12.5916	-4.396	-0.1964	7.9992

621	136	134	4.4765	-0.0105	0.0939	4.5599	12.3677	-4.1583	-0.1811	8.0283
622	137	134	4.4631	-0.0061	0.0935	4.5505	12.4602	-4.3004	-0.1777	7.982
623	135	133	4.4529	-0.0023	0.0934	4.544	12.3703	-4.324	-0.1816	7.8647
624	137	133	4.4428	0.0009	0.0933	4.537	12.1941	-4.1775	-0.1754	7.8413
625	135	132	4.4291	0.0044	0.0935	4.527	11.8009	-3.8532	-0.1727	7.775
626	137	132	4.4369	-0.0133	0.0933	4.5169	12.0815	-4.1239	-0.1729	7.7847
627	137	132	4.3925	0.0263	0.0936	4.5123	11.8546	-3.9254	-0.17	7.7592
628	133	131	4.3923	0.0199	0.0935	4.5057	11.5203	-3.6443	-0.1663	7.7097
629	131	131	4.3656	0.036	0.0932	4.4948	10.5611	-2.7392	-0.1624	7.6595
630	125	130	4.3292	0.066	0.0933	4.4885	10.0665	-2.2589	-0.1619	7.6456
631	128	129	4.2974	0.0859	0.0954	4.4787	10.048	-2.2658	-0.1635	7.6187
632	126	129	4.3247	0.0506	0.0977	4.473	10.0123	-2.333	-0.1675	7.5118
633	125	128	4.3328	0.0372	0.0978	4.4678	10.0716	-2.3086	-0.1709	7.5921
634	128	128	4.3156	0.0461	0.0976	4.4593	10.2459	-2.5872	-0.171	7.4877
635	130	127	4.3143	0.0401	0.0977	4.4521	10.5069	-2.8981	-0.1714	7.4374
636	129	126	4.3191	0.027	0.0979	4.444	10.9093	-3.3052	-0.1796	7.4245
637	119	126	4.3217	0.0183	0.0981	4.4381	10.6092	-3.0262	-0.2013	7.3818
638	124	125	4.3035	0.0298	0.0984	4.4316	10.7069	-3.1857	-0.1921	7.3291
639	121	125	4.2936	0.0343	0.0984	4.4263	11.0408	-3.5631	-0.1737	7.3041
640	123	124	4.2714	0.0484	0.0984	4.4182	11.1746	-3.7344	-0.1716	7.2686
641	126	124	4.2603	0.0526	0.0985	4.4114	11.4975	-4.0704	-0.168	7.2591
642	122	123	4.2366	0.0697	0.0986	4.4049	11.7743	-4.3985	-0.17	7.2058
643	126	123	4.2013	0.0974	0.099	4.3977	10.9878	-3.6173	-0.1701	7.2004
644	124	123	4.1027	0.1848	0.0993	4.3868	10.9188	-3.5695	-0.1853	7.164
645	124	123	4.0527	0.2281	0.0995	4.3804	10.8935	-3.5792	-0.1922	7.1221
646	124	122	4.0517	0.2225	0.0993	4.3735	10.8566	-3.5838	-0.1969	7.0759
647	122	122	4.0518	0.2164	0.0989	4.3671	10.8994	-3.6718	-0.1957	7.0318
648	121	122	4.0512	0.2092	0.099	4.3594	10.9126	-3.7137	-0.1938	7.0051
649	119	122	4.0627	0.1911	0.0992	4.353	10.9751	-3.7825	-0.1898	7.0028
650	120	122	4.0596	0.1865	0.0991	4.3452	10.9515	-3.7798	-0.1913	6.9804
651	117	121	4.0538	0.182	0.099	4.3348	10.6489	-3.5456	-0.1932	6.9102
652	122	121	4.0501	0.1828	0.099	4.3319	10.4522	-3.3751	-0.1919	6.8852
653	124	121	4.0505	0.1753	0.099	4.3248	10.542	-3.4832	-0.1913	6.8675
654	124	121	4.0419	0.1767	0.0992	4.3177	10.4262	-3.4061	-0.1827	6.8373
655	123	121	4.0313	0.1831	0.0991	4.3135	10.5181	-3.5737	-0.1463	6.7982
656	121	120	4.0305	0.1791	0.0986	4.3081	10.0731	-3.1889	-0.1423	6.7418
657	120	120	4.0061	0.1937	0.0985	4.2982	10.1119	-3.2399	-0.1002	6.7718

658	118	120	4.0166	0.1754	0.0987	4.2907	9.796	-2.963	-0.0952	6.7378
659	116	120	4.0179	0.1705	0.0985	4.287	9.2352	-2.4621	-0.0966	6.6765
660	118	120	4.0158	0.1655	0.0984	4.2797	9.4094	-2.6327	-0.0992	6.6775
661	121	120	4.009	0.1661	0.0983	4.2734	9.3919	-2.639	-0.0991	6.6538
662	120	120	4.0158	0.1521	0.0983	4.2663	10.466	-3.7775	-0.0952	6.5933
663	120	119	4.013	0.1468	0.0988	4.2586	11.2893	-4.5359	-0.0995	6.6538
664	122	119	4.0004	0.1511	0.0989	4.2504	10.9579	-4.1657	-0.1588	6.6333
665	117	118	3.9973	0.1455	0.0991	4.2419	11.0442	-4.2058	-0.175	6.6633
666	121	118	3.9867	0.1493	0.099	4.235	10.8901	-4.132	-0.1769	6.5813
667	122	118	3.9788	0.1504	0.099	4.2282	10.6828	-3.9521	-0.1771	6.5535
668	116	118	3.9644	0.1558	0.0988	4.219	10.9205	-4.1799	-0.18	6.5607
669	117	118	3.9597	0.1547	0.0987	4.213	11.0893	-4.3856	-0.1787	6.5251
670	116	117	3.9586	0.1438	0.0982	4.2005	11.092	-4.4121	-0.1717	6.5083
671	114	117	3.9571	0.1456	0.0976	4.2003	11.0554	-4.4244	-0.1664	6.4647
672	115	117	3.951	0.1444	0.0973	4.1926	10.8362	-4.2164	-0.1669	6.4529
673	117	117	3.8534	0.2318	0.0971	4.1824	10.6676	-4.0965	-0.1697	6.4014
674	118	116	3.8301	0.2503	0.0979	4.1783	10.5875	-4.0271	-0.1717	6.3887
675	115	116	3.8284	0.243	0.0986	4.1699	10.5083	-3.9611	-0.1782	6.3689
676	112	115	3.8489	0.2177	0.0983	4.1649	10.4493	-3.9024	-0.1792	6.3677
677	114	115	3.85	0.2101	0.0984	4.1585	10.6618	-4.2108	-0.177	6.274
678	118	115	3.8466	0.2074	0.099	4.153	10.335	-3.8923	-0.1701	6.2725
679	115	114	3.834	0.2125	0.0991	4.1456	10.4619	-4.0055	-0.1737	6.2826
680	114	114	3.8248	0.2152	0.0992	4.1391	10.3089	-3.9046	-0.1789	6.2254
681	116	114	3.8175	0.2178	0.0995	4.1348	10.1753	-3.7647	-0.1787	6.2318
682	115	114	3.8129	0.2103	0.0998	4.1229	9.9642	-3.6128	-0.1544	6.197
683	112	113	3.7987	0.2238	0.0995	4.122	10.2942	-4.01	-0.1269	6.1572
684	114	113	3.781	0.2353	0.0995	4.1158	11.33	-5.0199	-0.127	6.1831
685	111	113	3.7518	0.2574	0.1006	4.1098	12.0663	-5.7563	-0.1311	6.1789
686	112	113	3.7491	0.2519	0.1029	4.1039	12.2569	-6.0151	-0.1274	6.1143
687	112	112	3.7372	0.2571	0.1028	4.0971	12.2911	-6.0724	-0.1192	6.0995
688	109	112	3.72	0.2691	0.1029	4.092	12.2991	-6.0971	-0.1133	6.0887
689	110	111	3.7171	0.2674	0.1031	4.0876	12.2345	-6.044	-0.11	6.0806
690	114	111	3.7092	0.2682	0.103	4.0805	12.1414	-5.9397	-0.1087	6.0929
691	111	110	3.6979	0.2743	0.1035	4.0757	12.015	-5.8672	-0.1054	6.0424
692	112	110	3.7021	0.2612	0.1035	4.0668	11.99	-5.8554	-0.1067	6.0279
693	112	110	3.7225	0.2379	0.1046	4.065	11.821	-5.6583	-0.1151	6.0476
694	111	109	3.7266	0.2294	0.1051	4.0611	11.6365	-5.4802	-0.1076	6.0488

695	110	109	3.7248	0.2271	0.1054	4.0574	10.8272	-4.7608	-0.1009	5.9655
696	105	109	3.7203	0.2254	0.1054	4.0511	10.3839	-4.3368	-0.0994	5.9477
697	106	109	3.7146	0.228	0.1052	4.0477	10.633	-4.5972	-0.1018	5.934
698	107	109	3.7052	0.2288	0.105	4.0391	10.6212	-4.5965	-0.1048	5.9199
699	106	109	3.7143	0.2144	0.105	4.0337	10.6532	-4.6671	-0.1076	5.8785
700	106	108	3.7128	0.2133	0.1049	4.0309	10.7597	-4.7775	-0.111	5.8712
701	110	108	3.7093	0.211	0.1045	4.0248	10.8418	-4.8924	-0.1206	5.8287
702	111	108	3.6989	0.2157	0.1044	4.019	10.9836	-5.0773	-0.1253	5.7811
703	106	107	3.6874	0.2204	0.1045	4.0123	11.0113	-5.0885	-0.1223	5.8005
704	107	107	3.6887	0.2142	0.1046	4.0075	11.2962	-5.4084	-0.123	5.7648
705	110	106	3.6726	0.2254	0.1044	4.0024	11.417	-5.5361	-0.1253	5.7557
706	111	106	3.6761	0.2152	0.1044	3.9957	11.6319	-5.7594	-0.1309	5.7417
707	109	106	3.6659	0.2225	0.1041	3.9925	11.8267	-5.9797	-0.1332	5.7138
708	103	106	3.6575	0.2269	0.1041	3.9885	11.6129	-5.7902	-0.1294	5.6933
709	104	106	3.6515	0.2276	0.1042	3.9833	11.7561	-5.9821	-0.1255	5.6485
710	107	106	3.6582	0.2156	0.1042	3.978	11.7221	-5.9032	-0.1234	5.6956
711	104	105	3.5434	0.3239	0.1039	3.9711	11.6762	-5.8936	-0.124	5.6586
712	106	105	3.4456	0.4117	0.1042	3.9615	11.6353	-5.873	-0.1263	5.636
713	104	105	3.4574	0.3881	0.1103	3.9558	11.7712	-6.0166	-0.1282	5.6264
714	98.4	104	3.4342	0.4069	0.1121	3.9532	11.8216	-6.1133	-0.1264	5.582
715	108	104	3.4412	0.396	0.1121	3.9493	11.7531	-6.069	-0.1263	5.5578
716	104	103	3.4431	0.388	0.112	3.9431	11.8072	-6.183	-0.1216	5.5027
717	104	103	3.4139	0.4082	0.1121	3.9341	11.7572	-6.141	-0.1193	5.4969
718	103	103	3.401	0.4169	0.112	3.9298	11.7367	-6.1378	-0.1173	5.4816
719	103	102	3.3951	0.4184	0.1116	3.925	11.5997	-6.0659	-0.1206	5.4132
720	100	102	3.3911	0.4193	0.111	3.9214	11.5674	-6.0358	-0.1205	5.4111
721	99.9	102	3.3929	0.4111	0.1106	3.9146	11.3906	-5.9125	-0.1196	5.3585
722	102	101	3.3963	0.4035	0.1105	3.9104	11.3668	-5.8249	-0.1192	5.4226
723	103	101	3.3942	0.4004	0.1106	3.9051	11.302	-5.7988	-0.1232	5.38
724	104	101	3.392	0.397	0.1111	3.9001	10.3057	-4.882	-0.1207	5.303
725	95.5	101	3.3842	0.3947	0.1114	3.8903	10.246	-4.8213	-0.1106	5.3141
726	103	101	3.3707	0.4078	0.111	3.8895	10.4403	-4.9867	-0.1162	5.3374
727	101	100	3.359	0.4155	0.1106	3.8851	10.9261	-5.4266	-0.1715	5.3279
728	98.1	100	3.3461	0.4205	0.1108	3.8774	11.1099	-5.6042	-0.199	5.3066
729	95.1	99.8	3.3347	0.4265	0.111	3.8722	10.9519	-5.4587	-0.2036	5.2897
730	97.4	99.8	3.3117	0.4425	0.1111	3.8653	10.7128	-5.2699	-0.2116	5.2313
731	99.1	99.9	3.301	0.4472	0.1108	3.859	10.7076	-5.2809	-0.2139	5.2128

732	102	99.8	3.2953	0.4516	0.1104	3.8573	10.7274	-5.3177	-0.2139	5.1959
733	100	99.8	3.1998	0.5392	0.1105	3.8495	10.7786	-5.4392	-0.2074	5.1321
734	101	99.6	3.109	0.6217	0.1107	3.8414	11.0697	-5.676	-0.2171	5.1766
735	99.9	99.7	3.0886	0.6417	0.1104	3.8407	11.2585	-5.7901	-0.2203	5.2481
736	102	99.7	3.09	0.6342	0.1098	3.834	11.1271	-5.7503	-0.2286	5.1482
737	96.6	99.9	3.0918	0.628	0.1094	3.8292	11.6383	-6.2304	-0.2505	5.1574
738	98.2	100	3.08	0.6342	0.1094	3.8236	11.5189	-6.1399	-0.2494	5.1296
739	99.8	100	3.0795	0.6283	0.1093	3.817	11.3964	-6.0157	-0.2472	5.1335
740	102	101	3.0699	0.6351	0.109	3.814	11.4352	-6.0278	-0.2401	5.1673
741	101	101	3.0613	0.6382	0.1091	3.8086	11.4463	-6.0773	-0.2327	5.1363
742	102	101	3.0545	0.6355	0.1101	3.8001	11.2487	-5.8819	-0.2203	5.1465
743	99.9	101	3.0376	0.6454	0.1098	3.7928	11.1762	-5.8261	-0.2203	5.1298
744	98.5	101	3.02	0.6609	0.1094	3.7903	11.3365	-5.9779	-0.2086	5.15
745	103	101	3.0143	0.6618	0.1095	3.7856	11.2845	-5.922	-0.2019	5.1606
746	103	101	2.9884	0.6822	0.1095	3.7801	11.1453	-5.8096	-0.2021	5.1335
747	103	101	2.9897	0.6761	0.1094	3.7751	11.0199	-5.6835	-0.2054	5.131
748	102	102	2.9859	0.6759	0.1098	3.7715	10.9516	-5.6029	-0.2131	5.1355
749	109	102	2.9867	0.6689	0.1103	3.7659	10.843	-5.5407	-0.2162	5.0861
750	103	102	2.9754	0.6757	0.1111	3.7623	10.9124	-5.6154	-0.2138	5.0832
751	100	102	2.9555	0.6897	0.1115	3.7567	10.8479	-5.5069	-0.2125	5.1286
752	99	102	2.949	0.6917	0.1112	3.7519	10.7683	-5.4287	-0.2117	5.1278
753	98.6	103	2.9209	0.7161	0.1113	3.7483	10.5352	-5.2405	-0.2068	5.088
754	97.9	103	2.9002	0.7303	0.1117	3.7422	10.3085	-5.0368	-0.1997	5.0719
755	99.5	103	2.8681	0.759	0.1122	3.7393	10.2742	-4.9693	-0.1945	5.1104
756	104	103	2.8478	0.777	0.1119	3.7368	10.0431	-4.7652	-0.1932	5.0847
757	107	103	2.8448	0.7727	0.1114	3.7289	10.0306	-4.7728	-0.1907	5.0672
758	103	103	2.841	0.7736	0.1112	3.7258	10.1675	-4.9006	-0.2002	5.0667
759	101	103	2.8457	0.7608	0.1108	3.7174	9.9955	-4.7375	-0.2031	5.0549
760	106	103	2.8481	0.7549	0.1108	3.7138	9.8043	-4.5393	-0.2073	5.0578
761	104	103	2.8455	0.7534	0.1109	3.7098	9.7902	-4.5258	-0.21	5.0544
762	110	103	2.8387	0.7538	0.1111	3.7036	8.5615	-3.3425	-0.2188	5.0002
763	107	104	2.8308	0.7581	0.1115	3.7004	7.5111	-2.3473	-0.2144	4.9494
764	102	104	2.825	0.758	0.1116	3.6946	7.588	-2.4941	-0.1527	4.9412
765	105	104	2.8166	0.7638	0.1113	3.6917	7.3529	-2.2307	-0.1314	4.9908
766	103	104	2.811	0.7634	0.111	3.6853	7.3911	-2.316	-0.1341	4.941
767	104	103	2.8052	0.7642	0.1107	3.6801	7.3818	-2.3245	-0.1522	4.9051
768	105	103	2.8045	0.7624	0.1108	3.6777	7.0527	-2.038	-0.1492	4.8656

769	104	103	2.8029	0.7583	0.1107	3.6719	6.9741	-1.9455	-0.1556	4.8731
770	104	103	2.8195	0.7351	0.1101	3.6647	7.0136	-1.9647	-0.16	4.8889
771	103	103	2.8204	0.7281	0.1095	3.6581	7.1032	-2.0688	-0.1659	4.8684
772	104	102	2.8208	0.7243	0.1096	3.6546	7.2299	-2.2172	-0.1688	4.8439
773	98.7	102	2.8229	0.72	0.1092	3.6521	7.5671	-2.5249	-0.1687	4.8735
774	104	102	2.8055	0.7324	0.109	3.6469	7.9147	-2.8523	-0.1734	4.889
775	101	102	2.7843	0.7416	0.1102	3.6362	7.9468	-2.9559	-0.1808	4.81
776	101	101	2.7563	0.7603	0.1154	3.6321	7.8386	-2.9081	-0.1822	4.7483
777	100	101	2.739	0.7705	0.1183	3.6279	7.7435	-2.7883	-0.1867	4.7685
778	97.8	100	2.7514	0.7532	0.1194	3.624	7.7595	-2.8093	-0.1886	4.7616
779	101	100	2.7627	0.7395	0.1203	3.6225	7.8647	-2.9302	-0.1835	4.751
780	101	99.7	2.754	0.7433	0.1206	3.6179	7.7142	-2.7976	-0.1797	4.7369
781	102	99.2	2.7448	0.7496	0.1209	3.6152	7.47	-2.5921	-0.1796	4.6984
782	103	98.9	2.735	0.7542	0.1205	3.6097	7.1442	-2.2578	-0.1861	4.7003
783	98.4	98.9	2.6917	0.7914	0.1212	3.6043	7.0183	-2.1159	-0.2093	4.6932
784	95.8	98.8	2.6552	0.8143	0.1215	3.5909	6.0719	-1.1953	-0.2106	4.666
785	94.4	98.8	2.6391	0.8325	0.1235	3.595	5.2824	-0.4312	-0.2093	4.6419
786	95.2	98.7	2.5853	0.875	0.1279	3.5882	5.1795	-0.3099	-0.2134	4.6562
787	98.9	98.9	2.5853	0.8711	0.1277	3.5841	5.3347	-0.4858	-0.2195	4.6294
788	98.3	99.1	2.5804	0.8706	0.1276	3.5786	5.4672	-0.6103	-0.2206	4.6363
789	96.9	99.1	2.5736	0.8702	0.1271	3.5709	5.4114	-0.5478	-0.2184	4.6452
790	92.3	99.2	2.5646	0.8759	0.1263	3.5668	5.4942	-0.6852	-0.2193	4.5897
791	98.3	99	2.573	0.8625	0.1255	3.561	5.4981	-0.6669	-0.2208	4.6103
792	99.6	98.8	2.5845	0.8438	0.1255	3.5538	5.4753	-0.647	-0.2195	4.6088
793	102	99.1	2.5889	0.8357	0.1254	3.55	5.3634	-0.5945	-0.2045	4.5644
794	101	99.6	2.5981	0.8216	0.1253	3.5451	5.2286	-0.4971	-0.2024	4.5291
795	99	100	2.6103	0.8081	0.1256	3.544	5.0711	-0.3252	-0.2046	4.5412
796	104	101	2.6183	0.7938	0.1259	3.538	5.0007	-0.2517	-0.2023	4.5468
797	103	101	2.6194	0.7883	0.1265	3.5342	4.7388	-0.0061	-0.2017	4.5311
798	101	101	2.6209	0.7829	0.1266	3.5304	4.7322	-0.008	-0.1997	4.5245
799	101	101	2.6231	0.7759	0.1264	3.5254	4.6853	0.0427	-0.1931	4.535
800	99.3	102	2.628	0.7639	0.1261	3.518	4.6777	0.0355	-0.1851	4.5281
801	99.6	102	2.6325	0.7539	0.1257	3.512	4.5579	0.1387	-0.174	4.5227
802	104	102	2.6454	0.7397	0.1251	3.5102	4.3765	0.3072	-0.1687	4.515
803	105	102	2.6565	0.7241	0.1245	3.5051	4.2918	0.3889	-0.1724	4.5082
804	105	102	2.6613	0.7111	0.1241	3.4964	4.0621	0.6156	-0.1701	4.5075
805	104	102	2.6683	0.7019	0.1237	3.4939	3.8851	0.7538	-0.1637	4.4752

806	100	101	2.6731	0.6924	0.1235	3.489	3.5441	1.1417	-0.15	4.5358
807	99.7	101	2.6491	0.7126	0.1241	3.4858	3.3547	1.3297	-0.1499	4.5346
808	106	101	2.6579	0.7007	0.1244	3.483	3.31	1.33	-0.1566	4.4833
809	101	101	2.671	0.6815	0.125	3.4775	3.208	1.4517	-0.1654	4.4943
810	102	100	2.6792	0.6681	0.1252	3.4725	3.2114	1.4113	-0.1707	4.452
811	103	99.9	2.6873	0.6581	0.1257	3.4711	3.2785	1.3325	-0.1672	4.4438
812	98.7	99.2	2.6945	0.6465	0.1257	3.4666	3.33	1.2793	-0.162	4.4472
813	96.9	98.5	2.6986	0.6375	0.1256	3.4617	3.2266	1.3569	-0.1585	4.4249
814	99.2	97.9	2.699	0.63	0.1252	3.4541	3.1777	1.4313	-0.1559	4.4531
815	97.9	97.5	2.702	0.6276	0.1255	3.4552	3.2208	1.4424	-0.1553	4.5078
816	101	97	2.7049	0.6205	0.1272	3.4526	3.1788	1.436	-0.1591	4.4556
817	96.4	96.7	2.7086	0.6119	0.127	3.4475	3.1415	1.4321	-0.1641	4.4094
818	94.5	96	2.7036	0.6114	0.1275	3.4425	3.0385	1.5247	-0.1642	4.3991
819	94.1	95.6	2.6937	0.6149	0.1276	3.4361	3.0036	1.5521	-0.1608	4.395
820	88.5	95.1	2.6808	0.6262	0.1276	3.4346	3.0462	1.4901	-0.1641	4.3721
821	91.6	94.7	2.6699	0.6328	0.1275	3.4302	3.2175	1.2904	-0.1762	4.3317
822	92	94.3	2.6396	0.656	0.1274	3.423	3.1953	1.2782	-0.1867	4.2868
823	93.4	94	2.6027	0.6856	0.1279	3.4162	3.1943	1.2759	-0.1869	4.2834
824	95.1	93.6	2.5973	0.6926	0.1292	3.4191	3.2192	1.2602	-0.1917	4.2876
825	91.5	93.6	2.6004	0.6855	0.1296	3.4154	3.0392	1.4276	-0.1945	4.2723
826	93.8	93.3	2.5963	0.6866	0.1297	3.4127	2.8353	1.551	-0.1835	4.2028
827	94	93	2.583	0.6964	0.1295	3.4089	2.644	1.6879	-0.1347	4.1971
828	92.3	92.9	2.5596	0.7135	0.1292	3.4023	2.5031	1.7922	-0.1075	4.1877
829	91.5	92.7	2.5633	0.7062	0.129	3.3985	2.7813	1.4875	-0.0991	4.1697
830	96.3	92.8	2.5647	0.7017	0.1291	3.3954	2.8748	1.3955	-0.094	4.1763
831	91.8	92.8	2.5866	0.673	0.1294	3.389	2.7838	1.479	-0.092	4.1708
832	90.3	92.7	2.5934	0.6632	0.1313	3.388	2.7003	1.5455	-0.0855	4.1603
833	92.7	92.7	2.5926	0.6587	0.1316	3.3829	2.6695	1.5708	-0.0883	4.152
834	97.2	92.5	2.5807	0.6648	0.1316	3.3772	2.2396	1.9749	-0.0799	4.1346
835	94.8	92.5	2.5707	0.6726	0.1317	3.3751	1.9037	2.2255	-0.0774	4.0518
836	92.2	92.5	2.5565	0.6828	0.1318	3.3711	1.7824	2.4083	-0.0584	4.1323
837	91.4	92.5	2.5451	0.689	0.1315	3.3656	1.2583	2.8414	-0.0127	4.087
838	91.6	92.6	2.5389	0.689	0.1312	3.359	1.2709	2.832	-0.011	4.0919
839	89.7	92.7	2.53	0.6968	0.1312	3.3581	1.2379	2.8455	-0.0093	4.0741
840	90.9	92.6	2.5201	0.7018	0.131	3.3529	1.1981	2.8526	-0.0176	4.0331
841	91.4	92.7	2.5138	0.7029	0.1311	3.3477	1.0661	2.9992	-0.0307	4.0346
842	92.3	92.9	2.5182	0.695	0.1305	3.3437	1.1921	2.8524	-0.041	4.0034

843	91.1	93	2.5148	0.6951	0.13	3.3399	1.3715	2.6235	-0.0416	3.9534
844	91.8	92.9	2.5129	0.6934	0.1299	3.3362	1.4454	2.5179	-0.0418	3.9214
845	95	92.6	2.5142	0.687	0.1297	3.3309	1.5358	2.4064	-0.0381	3.9041
846	93.6	92.6	2.5145	0.6828	0.1296	3.327	1.6892	2.2851	-0.0336	3.9407
847	93.3	92.5	2.5164	0.6769	0.1294	3.3227	1.8185	2.1409	-0.0334	3.926
848	93.8	92.4	2.5174	0.6716	0.1291	3.3181	1.8441	2.0785	-0.0298	3.8929
849	93.7	92.3	2.5189	0.6653	0.1288	3.3131	1.8833	2.0368	-0.0274	3.8927
850	94.3	92.2	2.5196	0.6619	0.1285	3.31	1.9228	2.0072	-0.0299	3.9001
851	93.3	92.1	2.5178	0.659	0.1284	3.3052	1.9721	1.9114	-0.0282	3.8552
852	95.3	91.8	2.5198	0.6528	0.1285	3.301	2.0209	1.8442	-0.0322	3.833
853	95.4	91.6	2.5147	0.6545	0.1283	3.2975	2.1803	1.7549	-0.0449	3.8902
854	89.9	91.4	2.5117	0.6549	0.128	3.2946	2.2443	1.6567	-0.0557	3.8453
855	92.2	91	2.5137	0.6448	0.1272	3.2857	2.3198	1.5316	-0.0659	3.7855
856	88.6	90.7	2.5123	0.6441	0.1269	3.2833	2.4218	1.4532	-0.0768	3.7982
857	89.4	90.4	2.5138	0.6397	0.1271	3.2806	2.495	1.3821	-0.0936	3.7835
858	87.9	90.2	2.5202	0.6284	0.1278	3.2764	2.3156	1.5659	-0.0839	3.7975
859	89.4	90	2.5246	0.6197	0.1279	3.2722	2.5325	1.3631	-0.0801	3.8154
860	88.8	89.7	2.5203	0.6216	0.1275	3.2694	2.8362	1.053	-0.1155	3.7737
861	87.1	89.2	2.5125	0.6255	0.1271	3.2651	3.0381	0.8278	-0.1383	3.7276
862	87.7	88.8	2.5161	0.6181	0.127	3.2611	3.1427	0.727	-0.132	3.7377
863	87.2	88.4	2.513	0.615	0.1271	3.2551	3.2691	0.5935	-0.1372	3.7253
864	88.2	88.1	2.503	0.6137	0.1271	3.2438	3.3401	0.4985	-0.1372	3.7014
865	88.8	87.6	2.4987	0.6202	0.1272	3.2461	3.3811	0.424	-0.1378	3.6674
866	86.7	87.4	2.4968	0.6202	0.1274	3.2444	3.4617	0.4072	-0.1335	3.7354
867	90.1	87.2	2.5013	0.6117	0.1271	3.2402	3.5209	0.3176	-0.1102	3.7283
868	90.3	87.2	2.5041	0.6072	0.1269	3.2382	3.5884	0.2477	-0.1103	3.7259
869	88.4	87.2	2.4983	0.6093	0.1272	3.2347	3.5877	0.2282	-0.1045	3.7114
870	82.6	87.3	2.4978	0.606	0.1277	3.2315	3.5354	0.2364	-0.1023	3.6695
871	88.1	87.3	2.5009	0.6003	0.1282	3.2294	3.4348	0.3503	-0.1068	3.6784
872	87.8	87.2	2.5013	0.5967	0.1283	3.2263	3.3825	0.4099	-0.1097	3.6827
873	84.7	87.4	2.5009	0.594	0.1284	3.2233	3.1249	0.6257	-0.1096	3.641
874	83	87.5	2.5015	0.5897	0.1284	3.2196	2.7979	0.9022	-0.1024	3.5977
875	84.7	87.5	2.5008	0.5865	0.1286	3.2159	2.8051	0.9667	-0.0921	3.6797
876	84.7	87.6	2.4919	0.5915	0.1289	3.2124	2.8808	0.8871	-0.0843	3.6835
877	88.3	87.5	2.4887	0.5913	0.1291	3.2091	2.8993	0.8963	-0.0763	3.7194
878	90.3	87.2	2.4733	0.6045	0.1293	3.207	2.9704	0.8411	-0.098	3.7135
879	90.4	87.1	2.4752	0.6	0.1297	3.2049	2.7404	1.0505	-0.1041	3.6869

880	86.9	87.2	2.4756	0.5954	0.1298	3.2008	2.849	0.9699	-0.1393	3.6796
881	85.3	87.2	2.4747	0.595	0.1294	3.1992	2.9251	0.9174	-0.1404	3.7021
882	90.6	87.1	2.4681	0.5971	0.1294	3.1945	3.1737	0.6358	-0.1359	3.6736
883	89.9	86.9	2.4677	0.5939	0.1292	3.1909	3.2762	0.5349	-0.1147	3.6963
884	88.9	86.7	2.4648	0.5917	0.1292	3.1858	3.2967	0.4872	-0.1136	3.6703
885	88.9	86.7	2.4608	0.5916	0.1293	3.1818	3.2097	0.5426	-0.1157	3.6367
886	87.9	86.7	2.4595	0.5908	0.1292	3.1795	3.1284	0.6326	-0.1156	3.6454
887	86.5	86.4	2.4582	0.5879	0.1288	3.1749	3.0096	0.7365	-0.1113	3.6348
888	84.9	86.2	2.4566	0.5861	0.1285	3.1712	2.935	0.7889	-0.1123	3.6117
889	86	85.8	2.4538	0.5849	0.1288	3.1676	2.9117	0.787	-0.1127	3.586
890	87.6	85.6	2.458	0.576	0.1294	3.1634	2.8608	0.8636	-0.115	3.6094
891	84.9	85.4	2.4538	0.5773	0.1296	3.1607	2.7712	0.917	-0.1169	3.5713
892	80.7	84.9	2.4473	0.5814	0.1297	3.1584	2.7355	0.9551	-0.1174	3.5732
893	79.6	84.4	2.4443	0.5839	0.1296	3.1578	2.7978	0.8825	-0.1208	3.5596
894	85.1	84.1	2.4445	0.581	0.1291	3.1546	2.7724	0.9074	-0.13	3.5498
895	84.9	83.8	2.4414	0.5796	0.129	3.15	2.7593	0.9116	-0.1387	3.5321
896	83.2	83.7	2.4365	0.5797	0.1292	3.1454	2.8199	0.836	-0.1414	3.5144
897	85.5	83.6	2.435	0.5804	0.1295	3.1449	2.8803	0.7514	-0.1461	3.4856
898	83	83.5	2.4326	0.5792	0.1294	3.1412	2.9471	0.712	-0.1979	3.4612
899	83.4	83.4	2.4308	0.5752	0.1294	3.1354	3.024	0.6466	-0.2225	3.448
900	80.9	83.2	2.4308	0.5728	0.1289	3.1325	3.0622	0.5652	-0.2214	3.4059
901	81.3	83	2.4304	0.5695	0.1289	3.1287	3.0886	0.5252	-0.2167	3.3971
902	80.8	83.1	2.4273	0.5643	0.1296	3.1212	3.0858	0.5063	-0.2189	3.3733
903	82.8	83.2	2.4321	0.5584	0.13	3.1205	3.0994	0.4782	-0.2162	3.3614
904	83.4	83.1	2.4293	0.5579	0.1306	3.1179	3.0534	0.5187	-0.217	3.355
905	85.2	83	2.4261	0.5566	0.1314	3.1141	3.0375	0.5294	-0.2226	3.3443
906	84.6	82.7	2.4236	0.5542	0.1329	3.1107	3.0798	0.4178	-0.2334	3.2643
907	83.2	82.4	2.4176	0.556	0.1325	3.1061	3.1085	0.3966	-0.236	3.2691
908	83.5	82	2.4047	0.5644	0.1325	3.1015	3.1665	0.3517	-0.2373	3.2809
909	83.9	81.7	2.3874	0.5762	0.1365	3.1001	3.2403	0.2806	-0.238	3.2829
910	81.9	81.7	2.3754	0.5854	0.139	3.0998	3.3098	0.1883	-0.2317	3.2665
911	82.6	81.6	2.373	0.5854	0.1389	3.0974	3.2826	0.1948	-0.232	3.2454
912	82.2	81.6	2.3675	0.5871	0.1394	3.0941	3.2215	0.2429	-0.2378	3.2266
913	82.7	81.4	2.3646	0.5877	0.1393	3.0916	3.2504	0.2155	-0.2411	3.2247
914	83.3	81.1	2.3608	0.5876	0.139	3.0874	3.2515	0.1831	-0.2439	3.1907
915	76.8	80.8	2.3559	0.5869	0.1389	3.0817	3.1931	0.1549	-0.247	3.101
916	79.5	80.8	2.3528	0.5887	0.1382	3.0798	3.2026	0.1977	-0.2455	3.1548

917	75.3	80.6	2.3498	0.5872	0.138	3.075	3.2041	0.2042	-0.2396	3.1687
918	78.7	80.3	2.3448	0.5886	0.138	3.0714	3.2656	0.1344	-0.2353	3.1647
919	80.3	80.2	2.3402	0.5912	0.1378	3.0692	3.2949	0.136	-0.2345	3.1964
920	79.9	80.2	2.3373	0.5912	0.1383	3.0667	3.2485	0.1832	-0.237	3.1948
921	80.5	80	2.3317	0.5918	0.1384	3.062	3.2839	0.1179	-0.2364	3.1653
922	79.2	79.9	2.3271	0.5935	0.1383	3.0589	3.3602	0.051	-0.236	3.1752
923	77.9	79.7	2.3229	0.5954	0.1381	3.0564	3.3854	0.0221	-0.2337	3.1738
924	79.8	79.6	2.3168	0.5959	0.1384	3.0512	3.4141	-0.0033	-0.2511	3.1597
925	83.7	79.8	2.3123	0.5968	0.138	3.0471	3.4392	-0.0373	-0.254	3.148
926	80.7	79.9	2.3064	0.597	0.1373	3.0407	3.4224	-0.0165	-0.2561	3.1498
927	77.6	80.2	2.286	0.6123	0.1393	3.0376	3.3434	0.0398	-0.25	3.1332
928	81.9	80.3	2.2856	0.6085	0.1396	3.0336	3.3515	0.0385	-0.2477	3.1422
929	80.9	80.3	2.2784	0.6093	0.143	3.0306	3.2774	0.1864	-0.3088	3.1549
930	79.8	80	2.2722	0.6099	0.1431	3.0252	3.3887	0.1591	-0.4127	3.1352
931	80.4	79.9	2.2692	0.6094	0.143	3.0216	3.4184	0.1115	-0.4074	3.1226
932	79	80	2.2658	0.6098	0.1428	3.0183	3.4409	0.1035	-0.4114	3.133
933	80.5	80	2.2629	0.61	0.143	3.0158	3.3856	0.1395	-0.4115	3.1137
934	81.6	80	2.2598	0.6106	0.1432	3.0135	3.3481	0.162	-0.4138	3.0963
935	81	79.6	2.2578	0.6094	0.1433	3.0105	3.3231	0.1521	-0.4102	3.065
936	81.6	79.3	2.2555	0.6092	0.1429	3.0076	3.3031	0.1556	-0.4043	3.0544
937	80.2	79.2	2.2516	0.6101	0.1427	3.0045	3.3138	0.152	-0.4032	3.0626
938	78.9	79	2.2477	0.6103	0.1425	3.0004	3.308	0.1336	-0.4069	3.0347
939	74.6	78.7	2.244	0.6105	0.1427	2.9971	3.3112	0.1203	-0.4115	3.02
940	78.8	78.7	2.243	0.6101	0.1427	2.9958	3.3085	0.1305	-0.4078	3.0312
941	80.6	78.7	2.2402	0.6073	0.1428	2.9904	3.3753	0.0605	-0.3982	3.0376
942	79.2	78.6	2.2384	0.6067	0.1426	2.9877	3.3556	0.0814	-0.395	3.042
943	78.4	78.5	2.2375	0.6044	0.143	2.9849	3.3072	0.1293	-0.3955	3.041
944	76.7	78.1	2.2369	0.6023	0.1437	2.983	3.2825	0.1685	-0.3946	3.0563
945	75.5	77.7	2.2322	0.6034	0.1438	2.9795	3.296	0.1551	-0.3979	3.0532
946	75.9	77.4	2.2265	0.6077	0.1443	2.9784	3.2847	0.1497	-0.3925	3.0419
947	76.9	77.2	2.2217	0.6057	0.1492	2.9766	3.2482	0.1699	-0.3852	3.0328
948	76.4	77.2	2.215	0.607	0.1513	2.9732	3.2458	0.1835	-0.3789	3.0503
949	79	77.4	2.2127	0.6088	0.1509	2.9725	3.1926	0.2097	-0.3783	3.024
950	80.5	77.2	2.2107	0.6093	0.1502	2.9703	3.1844	0.2031	-0.3805	3.007
951	77.9	77	2.2092	0.6083	0.1503	2.9679	3.1908	0.1932	-0.3895	2.9945
952	77.4	76.8	2.2099	0.605	0.1501	2.9649	3.181	0.1798	-0.3898	2.971
953	74.6	76.6	2.2093	0.6027	0.1501	2.962	3.1516	0.1658	-0.392	2.9254

954	74	76.5	2.2079	0.602	0.1503	2.9602	3.2224	0.1118	-0.391	2.9433
955	75.6	76.7	2.2057	0.603	0.1505	2.9593	3.2276	0.0944	-0.3863	2.9357
956	75.9	76.9	2.2015	0.6044	0.1505	2.9564	3.2158	0.0795	-0.3861	2.9093
957	79.3	76.8	2.1972	0.6045	0.1508	2.9525	3.2147	0.0539	-0.3692	2.8994
958	77.7	76.9	2.1962	0.6004	0.1516	2.9481	3.1841	0.0702	-0.368	2.8863
959	75.1	76.8	2.1936	0.6009	0.1511	2.9455	3.0841	0.16	-0.3644	2.8797
960	77.3	76.7	2.192	0.6021	0.1507	2.9449	2.9206	0.2941	-0.3237	2.8911
961	75.6	76.7	2.1904	0.6012	0.1509	2.9425	2.8064	0.4034	-0.2919	2.9178
962	74.7	76.7	2.191	0.5966	0.1511	2.9387	2.801	0.4004	-0.2865	2.9149
963	74.6	76.8	2.1879	0.5967	0.1514	2.936	2.7477	0.442	-0.2824	2.9073
964	79.2	77	2.1837	0.5982	0.1518	2.9337	2.7144	0.4729	-0.2858	2.9015
965	79	77.1	2.1784	0.6004	0.1517	2.9306	2.6639	0.4939	-0.2833	2.8746
966	76.3	77.1	2.1764	0.5997	0.1513	2.9275	2.5654	0.5411	-0.2819	2.8246
967	77.5	76.9	2.1748	0.5983	0.1507	2.9237	2.5346	0.5903	-0.2896	2.8352
968	76.6	76.7	2.1746	0.5936	0.1504	2.9185	2.5103	0.5903	-0.2902	2.8103
969	78.4	76.6	2.1734	0.5909	0.1509	2.9152	2.4654	0.6208	-0.291	2.7953
970	77.8	76.3	2.1694	0.5942	0.1514	2.915	2.4309	0.6574	-0.2921	2.7963
971	77.7	76.2	2.1649	0.5952	0.1518	2.9119	2.4006	0.6722	-0.289	2.7838
972	76.3	76.1	2.1628	0.5945	0.1516	2.9089	2.3505	0.6959	-0.2902	2.7562
973	79.2	76	2.1595	0.5944	0.1535	2.9073	2.2976	0.7312	-0.2936	2.7352
974	77.1	75.5	2.1576	0.5934	0.1538	2.9049	2.2787	0.7385	-0.3026	2.7146
975	76.5	75.1	2.1586	0.5882	0.1542	2.9009	2.2356	0.7669	-0.3023	2.7003
976	75.7	75	2.1576	0.5876	0.1539	2.899	2.1975	0.7939	-0.3182	2.6731
977	73.9	74.7	2.1536	0.5874	0.1539	2.8949	2.154	0.881	-0.3857	2.6493
978	71.7	74.3	2.1455	0.5858	0.1602	2.8915	1.9606	1.0511	-0.3622	2.6494
979	73	74	2.1364	0.584	0.171	2.8914	1.9577	1.0228	-0.3539	2.6266
980	72.7	73.7	2.1338	0.5842	0.1705	2.8885	1.8895	1.0381	-0.3225	2.6051
981	73.6	73.3	2.1306	0.5847	0.1705	2.8859	1.8318	1.0443	-0.3223	2.5538
982	72	73	2.1295	0.5831	0.1705	2.8832	1.8131	1.0463	-0.3292	2.5302
983	69.3	72.6	2.1329	0.5777	0.1706	2.8812	1.8003	1.0471	-0.337	2.5105
984	71.2	72.2	2.1325	0.5765	0.1703	2.8793	1.79	1.0509	-0.336	2.5049
985	74.7	71.9	2.1305	0.5761	0.1697	2.8763	1.7697	1.0677	-0.3503	2.4871
986	71.6	71.5	2.1281	0.5756	0.1695	2.8732	1.7747	1.0575	-0.3506	2.4816
987	69.4	71.3	2.1274	0.5745	0.1695	2.8715	1.7713	1.0553	-0.3476	2.4791
988	72.4	71.2	2.1254	0.574	0.1697	2.8692	1.7391	1.0711	-0.351	2.4592
989	72	70.8	2.123	0.5719	0.1696	2.8644	1.716	1.0768	-0.3578	2.435
990	70.1	70.6	2.1205	0.57	0.1692	2.8596	1.6971	1.0771	-0.3556	2.4187

991	71.4	70.4	2.1183	0.5691	0.1691	2.8565	1.6983	1.0756	-0.3568	2.417
992	70.1	70.2	2.1166	0.5685	0.1692	2.8543	1.6877	1.056	-0.3537	2.3899
993	71.1	70.1	2.1161	0.5671	0.1691	2.8522	1.6856	1.0579	-0.3565	2.3871
994	69.9	69.9	2.1149	0.5655	0.1689	2.8493	1.695	1.0447	-0.3568	2.3829
995	68.9	69.5	2.1129	0.5646	0.1682	2.8458	1.7083	1.0274	-0.3532	2.3825
996	69.6	69.3	2.1117	0.5627	0.1678	2.8421	1.675	1.0339	-0.3512	2.3578
997	69.4	69.1	2.1104	0.5621	0.1673	2.8399	1.6355	1.0819	-0.3465	2.3709
998	65.6	68.6	2.1133	0.5583	0.1672	2.8388	1.6193	1.0598	-0.2972	2.3819
999	68.6	68.3	2.1124	0.5549	0.1674	2.8347	1.5576	1.0851	-0.2739	2.3689
1000	70.2	68.2	2.1117	0.5535	0.1679	2.833	1.5633	1.103	-0.2775	2.3887
1001	69.1	67.8	2.1123	0.5515	0.1679	2.8316	1.5631	1.1317	-0.2884	2.4064
1002	66.6	67.6	2.1122	0.5477	0.1688	2.8286	1.5823	1.0986	-0.2925	2.3884
1003	67.8	67.3	2.1098	0.5472	0.1691	2.8262	1.6148	1.073	-0.2953	2.3925
1004	67	67.1	2.1065	0.5485	0.1693	2.8243	1.633	1.0433	-0.2928	2.3836
1005	67.5	66.9	2.1045	0.5487	0.17	2.8232	1.6326	1.0375	-0.2885	2.3815
1006	65.3	66.7	2.1021	0.5488	0.1698	2.8207	1.6284	1.0497	-0.2871	2.3909
1007	64	66.5	2.0992	0.549	0.1693	2.8174	1.6107	1.0669	-0.2854	2.3922
1008	65.9	66.5	2.0963	0.5484	0.1689	2.8135	1.5933	1.0679	-0.2766	2.3845
1009	67.4	66.1	2.0954	0.5468	0.1689	2.811	1.6035	1.0352	-0.2634	2.3753
1010	64	65.8	2.0947	0.545	0.1682	2.808	1.5955	1.052	-0.2626	2.385
1011	65.5	65.6	2.0929	0.5454	0.1676	2.8059	1.5973	1.0639	-0.2647	2.3965
1012	65.5	65.3	2.0928	0.5429	0.1677	2.8033	1.5856	1.0702	-0.268	2.3878
1013	67.2	65	2.0932	0.5404	0.1679	2.8014	1.6025	1.0332	-0.2647	2.3709
1014	64.7	64.8	2.0945	0.5382	0.1673	2.7999	1.58	1.0456	-0.2605	2.365
1015	66.1	64.4	2.0993	0.5328	0.167	2.7992	1.5501	1.063	-0.2575	2.3556
1016	66.2	64.1	2.0993	0.5297	0.1672	2.7962	1.5111	1.0826	-0.2598	2.334
1017	64.2	63.9	2.0987	0.5281	0.167	2.7939	1.5059	1.0798	-0.2637	2.322
1018	62.4	63.6	2.0983	0.5265	0.1671	2.7919	1.4947	1.0714	-0.2705	2.2956
1019	63	63.3	2.0971	0.5255	0.167	2.7896	1.4988	1.0377	-0.2734	2.2631
1020	65.7	63.3	2.0972	0.524	0.1672	2.7884	1.4882	1.0286	-0.27	2.2468
1021	61.6	63.2	2.0966	0.5223	0.1675	2.7863	1.4509	1.073	-0.2643	2.2597
1022	62.6	62.9	2.0974	0.5203	0.1677	2.7854	1.4217	1.0862	-0.2634	2.2445
1023	62.2	62.5	2.095	0.5216	0.1684	2.785	1.4125	1.0775	-0.2691	2.221
1024	59	62.3	2.0932	0.5192	0.1687	2.7811	1.3851	1.0844	-0.2514	2.218
1025	61.2	62.1	2.0925	0.5174	0.1699	2.7798	1.3793	1.0859	-0.2419	2.2234
1026	60.1	61.9	2.091	0.5089	0.1759	2.7758	1.3999	1.056	-0.2331	2.2228
1027	59.9	61.9	2.0899	0.5072	0.1755	2.7726	1.4062	1.0573	-0.2337	2.2299

1028	61.1	61.8	2.0898	0.5062	0.175	2.771	1.3737	1.0611	-0.2297	2.2051
1029	64.4	61.8	2.0894	0.5054	0.1752	2.7701	1.3051	1.0601	-0.17	2.1952
1030	63.2	61.4	2.089	0.5055	0.1754	2.7699	1.2262	1.0644	-0.0832	2.2074
1031	60.5	61.4	2.0879	0.5048	0.1759	2.7686	1.2056	1.0754	-0.0934	2.1875
1032	59.4	61.2	2.0858	0.505	0.1765	2.7673	1.1949	1.0702	-0.0932	2.1719
1033	61.8	61	2.0839	0.5049	0.1766	2.7653	1.2109	1.0434	-0.0928	2.1615
1034	62	60.9	2.0828	0.5038	0.1782	2.7648	1.2665	0.9955	-0.0939	2.1681
1035	62.3	60.7	2.0804	0.5036	0.1784	2.7624	1.2745	0.9949	-0.1021	2.1673
1036	62.9	60.6	2.0784	0.5037	0.1776	2.7597	1.2735	0.994	-0.107	2.1605
1037	61.9	60.4	2.0777	0.503	0.1778	2.7585	1.2674	1.0024	-0.1126	2.1572
1038	62.4	60.2	2.0761	0.5026	0.1783	2.7569	1.273	1.0149	-0.1138	2.1741
1039	59.2	59.8	2.0742	0.5028	0.1783	2.7553	1.2662	1.0107	-0.1062	2.1708
1040	60.6	59.6	2.0731	0.5026	0.1784	2.7541	1.2516	1.0024	-0.1088	2.1452
1041	59.6	59.4	2.0714	0.5017	0.1782	2.7514	1.241	1.0029	-0.1124	2.1315
1042	57.9	59.3	2.0699	0.5009	0.1782	2.749	1.2302	1.001	-0.1101	2.1211
1043	57.9	59.2	2.068	0.4999	0.1787	2.7466	1.2242	1.0003	-0.1069	2.1177
1044	57.4	59	2.0661	0.4995	0.1791	2.7447	1.233	0.9892	-0.1121	2.1101
1045	56.4	58.7	2.0647	0.5	0.179	2.7437	1.2469	0.9469	-0.117	2.0768
1046	57	58.5	2.0629	0.4995	0.1789	2.7413	1.2424	0.9288	-0.1304	2.0408
1047	58.1	58.2	2.0598	0.4997	0.1789	2.7384	1.2469	0.9214	-0.1415	2.0268
1048	56.9	58	2.0592	0.4984	0.1787	2.7364	1.2468	0.9198	-0.1457	2.0208
1049	57.8	57.9	2.0564	0.4985	0.1787	2.7336	1.2856	0.8838	-0.1461	2.0233
1050	57.4	57.8	2.0544	0.4962	0.1791	2.7297	1.2862	0.8666	-0.148	2.0048
1051	58.3	57.7	2.051	0.4985	0.1795	2.729	1.301	0.8636	-0.1562	2.0084
1052	58.6	57.8	2.0484	0.4977	0.1796	2.7256	1.3294	0.8365	-0.1544	2.0116
1053	58	57.7	2.046	0.4983	0.1793	2.7237	1.3476	0.8018	-0.1437	2.0057
1054	58	57.6	2.0447	0.4982	0.1792	2.7221	1.3345	0.8051	-0.1331	2.0064
1055	57.4	57.6	2.0429	0.4981	0.1792	2.7202	1.3099	0.8298	-0.1286	2.0112
1056	57.3	57.5	2.0404	0.4977	0.179	2.7172	1.2984	0.8404	-0.1219	2.0169
1057	57.6	57.3	2.0378	0.4977	0.1785	2.714	1.2786	0.8602	-0.1237	2.0151
1058	58.1	57.1	2.0358	0.4969	0.1779	2.7106	1.2551	0.8766	-0.1265	2.0052
1059	57.6	56.9	2.0341	0.4957	0.1773	2.7071	1.2404	0.8724	-0.1274	1.9855
1060	59	56.7	2.0323	0.4957	0.1772	2.7053	1.2487	0.8622	-0.1261	1.9848
1061	58.6	56.4	2.0318	0.4942	0.1777	2.7037	1.2587	0.8591	-0.1397	1.978
1062	56.2	56.2	2.0308	0.4932	0.1776	2.7016	1.2604	0.8733	-0.1478	1.9859
1063	56	55.9	2.0299	0.4921	0.1775	2.6995	1.2776	0.8518	-0.1403	1.9892
1064	55.5	55.8	2.0286	0.4919	0.1776	2.6981	1.2955	0.8328	-0.1327	1.9955

1065	56.2	55.4	2.0273	0.4922	0.1777	2.6972	1.3261	0.8176	-0.1349	2.0088
1066	53.5	55.3	2.0258	0.4918	0.1777	2.6953	1.3893	0.7725	-0.1336	2.0282
1067	53.2	55.1	2.0253	0.4912	0.1777	2.6941	1.3912	0.7603	-0.136	2.0155
1068	54.1	54.7	2.0247	0.4898	0.1777	2.6922	1.386	0.7578	-0.1401	2.0037
1069	53.1	54.5	2.0246	0.4881	0.1779	2.6906	1.3984	0.7451	-0.1432	2.0004
1070	52.9	54.2	2.0243	0.4869	0.1778	2.689	1.3943	0.7285	-0.1427	1.9801
1071	54.4	53.8	2.0227	0.4866	0.1781	2.6874	1.404	0.7151	-0.1435	1.9757
1072	54.1	53.6	2.0215	0.4867	0.1786	2.6868	1.4116	0.6961	-0.1449	1.9628
1073	54.5	53.3	2.021	0.4859	0.1786	2.6855	1.4389	0.6681	-0.1429	1.9641
1074	50.9	53.1	2.0197	0.4848	0.178	2.6825	1.4266	0.678	-0.1356	1.969
1075	55	52.9	2.0186	0.4826	0.1775	2.6786	1.4161	0.6573	-0.1327	1.9406
1076	53.1	52.8	2.017	0.4818	0.1772	2.676	1.4217	0.6461	-0.1182	1.9495
1077	52.1	52.8	2.0162	0.4813	0.1768	2.6744	1.4198	0.5686	-0.0596	1.9287
1078	53.7	52.8	2.015	0.4798	0.1772	2.672	1.4163	0.5632	-0.0649	1.9145
1079	51.7	52.7	2.0137	0.4776	0.1793	2.6706	1.4304	0.5445	-0.0685	1.9064
1080	51.9	52.6	2.0132	0.4767	0.1798	2.6698	1.4444	0.5369	-0.0641	1.9172
1081	52.2	52.5	2.0112	0.4777	0.1799	2.6687	1.4428	0.5468	-0.0602	1.9293
1082	51.1	52.4	2.0084	0.4788	0.1798	2.667	1.4587	0.5434	-0.0527	1.9494
1083	51.4	52.3	2.0063	0.4782	0.18	2.6644	1.4403	0.5543	-0.0436	1.9511
1084	52.3	52.5	2.005	0.477	0.1805	2.6625	1.4255	0.5611	-0.0393	1.9473
1085	51.4	52.4	2.0032	0.4767	0.1804	2.6603	1.4209	0.5531	-0.0271	1.9469
1086	53.4	52.4	2.0014	0.4754	0.1808	2.6575	1.4083	0.5563	-0.0299	1.9347
1087	53.4	52.4	2.0001	0.4731	0.1809	2.654	1.3971	0.5611	-0.0391	1.9192
1088	52.4	52.3	1.9988	0.473	0.1803	2.6521	1.395	0.5568	-0.0405	1.9113
1089	50.7	52.4	1.9978	0.4716	0.1805	2.6499	1.3885	0.5794	-0.0414	1.9266
1090	51.5	52.4	1.9964	0.4697	0.1804	2.6465	1.3949	0.5925	-0.0744	1.913
1091	52.9	52.2	1.9952	0.469	0.1801	2.6444	1.3995	0.5991	-0.0899	1.9087
1092	53.4	52.2	1.9942	0.4685	0.1799	2.6426	1.3835	0.5992	-0.0947	1.888
1093	54.1	52.1	1.9928	0.4681	0.1803	2.6412	1.4012	0.5964	-0.1058	1.8919
1094	52.8	52.1	1.9902	0.4708	0.1806	2.6416	1.4097	0.5916	-0.1202	1.8811
1095	52.6	52.1	1.9887	0.4717	0.1813	2.6417	1.415	0.5917	-0.1173	1.8894
1096	52.6	51.9	1.987	0.4705	0.1819	2.6394	1.4489	0.5974	-0.1281	1.9182
1097	51.6	51.7	1.9858	0.4701	0.1819	2.6378	1.448	0.5993	-0.1381	1.9092
1098	53.7	51.6	1.9848	0.4699	0.1818	2.6364	1.4288	0.6033	-0.1347	1.8974
1099	51	51.6	1.9837	0.4682	0.1822	2.6342	1.4378	0.6001	-0.1382	1.8997
1100	49.7	51.6	1.9816	0.4671	0.1835	2.6322	1.4188	0.6096	-0.135	1.8934
1101	50.8	51.7	1.9793	0.4678	0.1833	2.6305	1.4085	0.5903	-0.1316	1.8673

1102	49.6	51.7	1.9774	0.4675	0.1831	2.6281	1.3818	0.6154	-0.1306	1.8666
1103	51.9	51.5	1.9764	0.4667	0.1824	2.6256	1.3656	0.6068	-0.1332	1.8392
1104	50.7	51.4	1.9756	0.4655	0.1821	2.6232	1.3552	0.6126	-0.1397	1.8281
1105	50.2	51.4	1.9747	0.4646	0.1822	2.6215	1.3604	0.6244	-0.1425	1.8424
1106	50.2	51.4	1.9742	0.4628	0.1822	2.6192	1.3479	0.6244	-0.141	1.8312
1107	50	51.3	1.9737	0.4613	0.182	2.6169	1.34	0.6247	-0.1396	1.8252
1108	50.9	51.2	1.9722	0.4611	0.1816	2.615	1.3324	0.6259	-0.1465	1.8117
1109	51.9	51.2	1.9705	0.4606	0.1815	2.6126	1.3268	0.6333	-0.1538	1.8064
1110	54	51.3	1.9689	0.4591	0.1822	2.6102	1.3269	0.6356	-0.1566	1.8059
1111	53.6	51.2	1.9669	0.458	0.1824	2.6073	1.3323	0.6423	-0.1532	1.8215
1112	50.7	51.2	1.965	0.4577	0.1817	2.6044	1.3669	0.6245	-0.1717	1.8197
1113	51.3	51.1	1.9636	0.4571	0.1812	2.6019	1.3857	0.6231	-0.2147	1.7941
1114	52.1	51	1.9618	0.4564	0.1808	2.5991	1.3874	0.6291	-0.2172	1.7993
1115	51.9	51	1.9604	0.4556	0.1804	2.5964	1.3865	0.6329	-0.2197	1.7996
1116	50.4	51	1.9602	0.4537	0.1808	2.5947	1.394	0.6387	-0.2204	1.8123
1117	51.4	50.9	1.9601	0.4524	0.1811	2.5936	1.3852	0.624	-0.2194	1.7898
1118	52.1	50.9	1.9584	0.452	0.1814	2.5918	1.3728	0.6229	-0.2199	1.7758
1119	50.8	50.6	1.9576	0.4526	0.1813	2.5916	1.3711	0.6211	-0.2219	1.7703
1120	49	50.3	1.9568	0.4525	0.1815	2.5908	1.3774	0.5982	-0.2223	1.7533
1121	49.9	50.1	1.9555	0.4526	0.1819	2.5901	1.3858	0.5842	-0.2221	1.748
1122	49.6	50.1	1.9535	0.4535	0.182	2.589	1.4028	0.5849	-0.2197	1.768
1123	48.6	49.9	1.9524	0.4538	0.182	2.5881	1.4037	0.5856	-0.2162	1.7732
1124	50.1	49.7	1.9516	0.4535	0.1819	2.5871	1.4178	0.581	-0.2128	1.7859
1125	50.2	49.7	1.9504	0.4528	0.1817	2.5848	1.4184	0.5798	-0.2132	1.7849
1126	49.3	49.7	1.949	0.4521	0.1818	2.5829	1.416	0.5738	-0.2151	1.7747
1127	50.3	49.6	1.9483	0.4509	0.182	2.5812	1.4034	0.5757	-0.219	1.7601
1128	46.9	49.4	1.9468	0.4517	0.1818	2.5803	1.3977	0.5771	-0.2226	1.7522
1129	46.6	49.2	1.945	0.4518	0.1816	2.5784	1.4042	0.5725	-0.2199	1.7568
1130	49.8	49.2	1.9447	0.4508	0.1814	2.5769	1.4018	0.5588	-0.2231	1.7374
1131	51.4	49.3	1.9421	0.4505	0.1812	2.5737	1.4214	0.5533	-0.2389	1.7358
1132	48.1	49.1	1.9417	0.4496	0.1809	2.5722	1.4253	0.5696	-0.2454	1.7495
1133	48.4	49.2	1.9414	0.4488	0.1805	2.5706	1.4244	0.5615	-0.246	1.7399
1134	51.1	49.2	1.9407	0.4485	0.1809	2.5701	1.4179	0.5496	-0.2421	1.7253
1135	50.4	49	1.9395	0.448	0.1813	2.5689	1.4118	0.5411	-0.2354	1.7174
1136	49.7	49	1.9387	0.4475	0.1816	2.5678	1.4008	0.5415	-0.2347	1.7075
1137	48.6	48.9	1.9382	0.4474	0.1819	2.5674	1.3895	0.551	-0.2325	1.708
1138	47.6	48.9	1.9372	0.4446	0.1824	2.5643	1.3897	0.5334	-0.2325	1.6906

1139	49	49	1.9348	0.4435	0.1857	2.564	1.3881	0.5349	-0.2462	1.6768
1140	50.7	48.9	1.9332	0.4426	0.1874	2.5632	1.3836	0.5309	-0.2514	1.6631
1141	47	48.7	1.9331	0.4418	0.1877	2.5626	1.381	0.5086	-0.2559	1.6337
1142	48.8	48.6	1.9297	0.4413	0.1888	2.5598	1.384	0.5049	-0.2566	1.6323
1143	50.1	48.7	1.9271	0.4407	0.1907	2.5585	1.3876	0.5011	-0.2549	1.6338
1144	48.1	48.7	1.9246	0.4404	0.1908	2.5558	1.3827	0.5009	-0.2474	1.6363
1145	48.1	48.6	1.9199	0.4403	0.1918	2.5519	1.3691	0.5257	-0.2373	1.6575
1146	48.6	48.4	1.9182	0.4395	0.1927	2.5504	1.3649	0.5364	-0.2352	1.6662
1147	47.4	48.4	1.9169	0.4393	0.1924	2.5486	1.3545	0.5264	-0.2345	1.6463
1148	48.1	48.3	1.9154	0.4384	0.1925	2.5464	1.346	0.5222	-0.2398	1.6284
1149	48	48.3	1.9145	0.4376	0.1922	2.5443	1.3426	0.5241	-0.2453	1.6214
1150	47.2	48	1.9136	0.4371	0.1922	2.5429	1.3461	0.5011	-0.2457	1.6015
1151	47.1	48	1.9128	0.4369	0.1926	2.5424	1.3373	0.4806	-0.2346	1.5833
1152	50.1	47.9	1.9118	0.437	0.1929	2.5417	1.3313	0.485	-0.2343	1.582
1153	50.2	47.6	1.9105	0.4371	0.1933	2.5409	1.3229	0.4842	-0.2338	1.5732
1154	48.5	47.5	1.9086	0.4358	0.1934	2.5378	1.3286	0.4845	-0.2406	1.5724
1155	46.3	47.4	1.9081	0.4356	0.1933	2.5371	1.3306	0.4827	-0.242	1.5713
1156	48.8	47.3	1.9064	0.4353	0.193	2.5346	1.3276	0.4875	-0.2361	1.5789
1157	46.2	47.2	1.9046	0.4351	0.1931	2.5329	1.3291	0.4856	-0.2344	1.5803
1158	48.1	47.2	1.9031	0.4335	0.1933	2.5299	1.3398	0.4717	-0.2362	1.5753
1159	46.1	47.1	1.9014	0.4321	0.193	2.5265	1.3444	0.4657	-0.2383	1.5718
1160	46.5	46.9	1.8991	0.4315	0.1925	2.5231	1.3357	0.467	-0.2372	1.5655
1161	46.3	46.8	1.8951	0.4317	0.1949	2.5217	1.3259	0.4591	-0.2295	1.5555
1162	45.2	46.5	1.8922	0.4309	0.1991	2.5222	1.3109	0.4622	-0.2302	1.5428
1163	45	46.1	1.8911	0.4292	0.1992	2.5196	1.2952	0.4594	-0.2356	1.5189
1164	46.9	45.9	1.89	0.4286	0.1995	2.5182	1.2935	0.4656	-0.2423	1.5168
1165	47.4	45.9	1.8879	0.4283	0.1997	2.516	1.2875	0.4669	-0.2484	1.5059
1166	45.7	45.7	1.8873	0.4294	0.1996	2.5163	1.2912	0.4637	-0.2522	1.5026
1167	46.7	45.6	1.888	0.4289	0.1997	2.5166	1.3057	0.4445	-0.2495	1.5007
1168	45.8	45.4	1.8876	0.4277	0.1999	2.5152	1.3119	0.4222	-0.2465	1.4875
1169	44.1	45.4	1.8869	0.4283	0.2001	2.5152	1.3039	0.4246	-0.2461	1.4824
1170	46	45.3	1.8857	0.4285	0.2	2.5142	1.296	0.449	-0.246	1.499
1171	43.2	45.2	1.8824	0.4281	0.2001	2.5106	1.2985	0.4525	-0.2447	1.5063
1172	44.2	45.1	1.8812	0.4281	0.2002	2.5095	1.2977	0.4568	-0.2445	1.51
1173	44.4	45.2	1.8793	0.4278	0.1999	2.5069	1.2947	0.4703	-0.243	1.522
1174	45.1	45.1	1.8779	0.4269	0.1993	2.504	1.2902	0.4805	-0.2411	1.5296
1175	44.9	45	1.877	0.4252	0.199	2.5012	1.2936	0.488	-0.2417	1.5398

1176	44.8	44.8	1.8766	0.4242	0.1992	2.5	1.2927	0.484	-0.2437	1.533
1177	45	44.6	1.8765	0.4236	0.1991	2.4991	1.2857	0.4815	-0.242	1.5253
1178	44.6	44.5	1.8746	0.4226	0.1992	2.4963	1.2857	0.4675	-0.2408	1.5124
1179	46.2	44.4	1.8736	0.4217	0.2016	2.4969	1.2944	0.4705	-0.2412	1.5238
1180	44.3	44.1	1.8711	0.4214	0.2037	2.4962	1.2898	0.4631	-0.2411	1.5117
1181	43.4	44	1.8686	0.4207	0.2044	2.4937	1.3092	0.4635	-0.2382	1.5345
1182	45.8	43.9	1.866	0.4227	0.2044	2.493	1.2876	0.4742	-0.2361	1.5257
1183	45.8	43.9	1.8645	0.4232	0.2042	2.4919	1.2851	0.4679	-0.2354	1.5176
1184	45.1	43.8	1.8639	0.4229	0.204	2.4908	1.2816	0.466	-0.2401	1.5075
1185	42.9	43.8	1.8631	0.4225	0.2039	2.4895	1.2843	0.4811	-0.2413	1.5241
1186	42.8	43.7	1.8624	0.4203	0.204	2.4867	1.2815	0.4839	-0.2429	1.5224
1187	42.5	43.6	1.8611	0.4197	0.2042	2.485	1.2871	0.4743	-0.2439	1.5175
1188	42	43.6	1.86	0.4195	0.2049	2.4844	1.3014	0.4657	-0.2444	1.5226
1189	41.5	43.4	1.8594	0.4185	0.2056	2.4836	1.3045	0.4442	-0.2406	1.5081
1190	41.9	43.3	1.8583	0.4188	0.206	2.4831	1.2969	0.4317	-0.2063	1.5223
1191	42	43.3	1.8568	0.4185	0.2058	2.4811	1.3099	0.4179	-0.1875	1.5403
1192	43.4	43.1	1.8554	0.4184	0.2054	2.4792	1.3234	0.4021	-0.1801	1.5454
1193	44.2	42.9	1.8545	0.4181	0.205	2.4776	1.2932	0.4155	-0.1751	1.5335
1194	44.6	42.8	1.8533	0.4182	0.2043	2.4759	1.2774	0.4218	-0.155	1.5442
1195	43.1	42.8	1.8522	0.4181	0.2048	2.4751	1.2803	0.4189	-0.1637	1.5355
1196	43.3	43	1.8515	0.4179	0.2054	2.4748	1.2379	0.4403	-0.1643	1.5139
1197	43	43.1	1.8512	0.4179	0.2059	2.4749	1.2387	0.4286	-0.1637	1.5035
1198	42.7	43.2	1.8505	0.4175	0.2063	2.4743	1.2364	0.4077	-0.1657	1.4784
1199	43.7	43.2	1.8491	0.4181	0.2068	2.474	1.2365	0.3942	-0.1619	1.4688
1200	43.2	43.3	1.8478	0.4191	0.207	2.4739	1.241	0.3865	-0.1635	1.464
1201	41.5	43.3	1.8462	0.4193	0.2067	2.4723	1.2355	0.3905	-0.1623	1.4637
1202	42.3	43.5	1.8451	0.4191	0.2065	2.4707	1.2396	0.4015	-0.158	1.4832
1203	43.5	43.5	1.8435	0.4183	0.2065	2.4683	1.2393	0.4056	-0.1512	1.4937
1204	43.1	43.5	1.8425	0.4173	0.2063	2.4661	1.2533	0.4147	-0.1452	1.5227
1205	45.5	43.5	1.8419	0.4159	0.2058	2.4636	1.3048	0.3943	-0.2126	1.4865
1206	43.8	43.6	1.8413	0.4142	0.2056	2.4612	1.3419	0.403	-0.2399	1.5051
1207	44	43.6	1.8397	0.4141	0.2056	2.4594	1.336	0.404	-0.245	1.495
1208	42	43.7	1.8378	0.4145	0.2055	2.4578	1.3293	0.4063	-0.2427	1.4928
1209	43.3	43.6	1.8369	0.4139	0.2052	2.456	1.3191	0.3956	-0.2405	1.4742
1210	43.4	43.6	1.8363	0.4132	0.2052	2.4546	1.3115	0.385	-0.2499	1.4467
1211	45.7	43.7	1.8358	0.4118	0.2054	2.453	1.2905	0.3744	-0.2539	1.411
1212	44.7	43.7	1.8355	0.4118	0.2052	2.4525	1.2466	0.373	-0.228	1.3916

1213	45.6	43.7	1.8343	0.4105	0.2054	2.4502	1.2174	0.355	-0.1874	1.3849
1214	43.3	43.7	1.8331	0.4097	0.2057	2.4485	1.2184	0.33	-0.1895	1.3589
1215	44	43.6	1.8313	0.4092	0.2056	2.4461	1.2249	0.3254	-0.1871	1.3633
1216	43.7	43.7	1.8296	0.4092	0.2058	2.4446	1.2117	0.3308	-0.1839	1.3586
1217	44.6	43.7	1.829	0.4101	0.2057	2.4448	1.2068	0.3536	-0.1854	1.375
1218	41.9	43.8	1.828	0.4096	0.206	2.4436	1.229	0.3608	-0.1834	1.4064
1219	42.7	43.9	1.828	0.4077	0.2059	2.4417	1.2359	0.3524	-0.1811	1.4072
1220	42.6	44	1.827	0.4072	0.206	2.4402	1.2431	0.36	-0.177	1.4262
1221	43.3	43.9	1.8257	0.407	0.2064	2.4391	1.239	0.3621	-0.1766	1.4244
1222	43.9	43.8	1.824	0.4065	0.2063	2.4368	1.2143	0.363	-0.1732	1.4041
1223	42.8	43.7	1.8233	0.4057	0.2061	2.4351	1.2171	0.3688	-0.1695	1.4163
1224	43.9	43.6	1.8223	0.4047	0.2061	2.4331	1.2094	0.3747	-0.1709	1.4132
1225	44.8	43.6	1.8211	0.4044	0.2061	2.4315	1.2041	0.3755	-0.1791	1.4005
1226	44.6	43.5	1.8205	0.4039	0.206	2.4304	1.1988	0.3696	-0.1861	1.3822
1227	42.6	43.4	1.8197	0.4041	0.2061	2.4299	1.2023	0.3543	-0.1865	1.3701
1228	45.6	43.5	1.8173	0.4047	0.2059	2.428	1.2032	0.3563	-0.1871	1.3724
1229	45.6	43.6	1.816	0.4054	0.2057	2.4272	1.1834	0.3568	-0.1827	1.3575
1230	44.4	43.6	1.8138	0.4045	0.2052	2.4235	1.1767	0.3538	-0.1546	1.3759
1231	41.9	43.6	1.8133	0.403	0.2048	2.4211	1.1591	0.3472	-0.1342	1.3721
1232	43.2	43.5	1.8132	0.4028	0.2044	2.4204	1.1445	0.3379	-0.1288	1.3536
1233	41.8	43.4	1.8132	0.4022	0.2045	2.4199	1.129	0.3525	-0.1319	1.3495
1234	44	43.5	1.8123	0.4004	0.2051	2.4177	1.1226	0.3509	-0.1332	1.3403
1235	43.1	43.3	1.8114	0.3996	0.2056	2.4166	1.1299	0.3525	-0.1362	1.3463
1236	42.2	43.1	1.81	0.4001	0.2059	2.416	1.1283	0.3593	-0.141	1.3466
1237	43.9	42.9	1.808	0.4008	0.2063	2.4151	1.1329	0.3376	-0.1406	1.3299
1238	43.3	42.6	1.8068	0.4002	0.2065	2.4135	1.1367	0.322	-0.1388	1.3199
1239	42.9	42.4	1.8051	0.4003	0.2063	2.4117	1.1374	0.3109	-0.1332	1.3151
1240	43.2	42.3	1.8022	0.4009	0.2061	2.4092	1.145	0.3033	-0.1282	1.3201
1241	42.8	42.3	1.8007	0.4016	0.2057	2.408	1.1382	0.3085	-0.1237	1.323
1242	41.6	42.2	1.8004	0.3997	0.2063	2.4065	1.1305	0.3071	-0.1282	1.3094
1243	44.3	42.2	1.7993	0.3986	0.2062	2.4041	1.1292	0.3089	-0.1327	1.3053
1244	41.5	42.1	1.7966	0.3985	0.2072	2.4022	1.1368	0.3115	-0.1347	1.3137
1245	40.3	42.1	1.7961	0.3962	0.2082	2.4005	1.1398	0.3182	-0.1391	1.3189
1246	39.6	42	1.7943	0.3967	0.2091	2.4	1.1335	0.3256	-0.1333	1.3258
1247	40.3	41.8	1.7933	0.3986	0.2089	2.4008	1.1437	0.3255	-0.1207	1.3484
1248	40.7	41.6	1.7918	0.399	0.2087	2.3995	1.152	0.3352	-0.1129	1.3743
1249	42.3	41.5	1.7904	0.3989	0.2086	2.3979	1.1544	0.3292	-0.1068	1.3768

1250	42.8	41.3	1.79	0.3981	0.2084	2.3966	1.1457	0.3437	-0.1054	1.384
1251	41.5	41.3	1.7889	0.3968	0.2084	2.394	1.1407	0.3553	-0.1097	1.3863
1252	41	41.3	1.7879	0.3964	0.2081	2.3924	1.1341	0.3625	-0.1119	1.3847
1253	42.1	41.2	1.7852	0.3956	0.2078	2.3886	1.1358	0.3564	-0.11	1.3822
1254	43.2	41.1	1.7781	0.3964	0.2147	2.3892	1.1269	0.3528	-0.1054	1.3743
1255	39.7	41.1	1.7739	0.3953	0.2173	2.3866	1.1185	0.355	-0.1088	1.3646
1256	41.8	41.2	1.7728	0.3948	0.2175	2.3851	1.1173	0.3381	-0.1159	1.3395
1257	39.2	41.3	1.7717	0.3945	0.2174	2.3836	1.1163	0.3126	-0.1157	1.3132
1258	39.9	41.2	1.7712	0.394	0.2173	2.3825	1.1074	0.3132	-0.1151	1.3055
1259	40.3	41.1	1.7702	0.3936	0.218	2.3818	1.0974	0.3206	-0.1164	1.3015
1260	41.6	40.9	1.77	0.3941	0.2179	2.382	1.0954	0.3132	-0.1209	1.2877
1261	42.9	40.9	1.7705	0.3944	0.2177	2.3825	1.1173	0.3101	-0.1224	1.305
1262	41.2	40.9	1.7705	0.3954	0.2178	2.3837	1.1314	0.2959	-0.1296	1.2977
1263	40.5	40.8	1.7693	0.3962	0.2182	2.3837	1.1357	0.3181	-0.1213	1.3324
1264	41.1	40.7	1.7675	0.3961	0.2182	2.3818	1.1338	0.3155	-0.1135	1.3358
1265	40.5	40.8	1.7668	0.3952	0.2181	2.3801	1.1242	0.326	-0.1171	1.3331
1266	41.6	40.7	1.7666	0.394	0.2182	2.3788	1.1014	0.3305	-0.1222	1.3097
1267	39.5	40.8	1.7651	0.3928	0.218	2.3759	1.0852	0.338	-0.1234	1.2997
1268	40.6	40.9	1.764	0.3925	0.218	2.3745	1.0933	0.3427	-0.1277	1.3084
1269	39.6	41	1.7626	0.3923	0.2178	2.3726	1.1007	0.3247	-0.1295	1.296
1270	40.1	41	1.7618	0.3923	0.2177	2.3718	1.1159	0.2917	-0.1305	1.2771
1271	40.8	41	1.761	0.3918	0.2174	2.3702	1.1178	0.2945	-0.1252	1.2872
1272	40.6	40.9	1.7595	0.3913	0.2171	2.3679	1.1169	0.296	-0.1173	1.2956
1273	41.6	40.9	1.7583	0.3903	0.217	2.3656	1.1059	0.2975	-0.1142	1.2892
1274	40.7	40.8	1.7574	0.3893	0.2172	2.364	1.1014	0.2987	-0.1125	1.2875
1275	41.2	40.7	1.7571	0.3883	0.2176	2.3629	1.0898	0.3037	-0.1173	1.2762
1276	41	40.7	1.7564	0.3888	0.2178	2.363	1.0852	0.2918	-0.1249	1.2521
1277	41.8	40.8	1.7561	0.388	0.2178	2.3619	1.0947	0.2725	-0.1383	1.2289
1278	41.5	40.9	1.7562	0.3869	0.2174	2.3606	1.1214	0.2618	-0.1644	1.2188
1279	42.6	40.9	1.7559	0.3863	0.2171	2.3593	1.1198	0.2567	-0.1654	1.2112
1280	42	40.8	1.7552	0.3866	0.2172	2.359	1.1215	0.2661	-0.1632	1.2245
1281	40.7	40.8	1.7542	0.3869	0.2173	2.3584	1.1164	0.259	-0.1698	1.2055
1282	39.5	40.7	1.7531	0.3874	0.2176	2.3581	1.1193	0.2463	-0.1762	1.1894
1283	39.9	40.6	1.7522	0.3881	0.2175	2.3579	1.1215	0.2512	-0.1785	1.1942
1284	38.7	40.5	1.7509	0.3877	0.2176	2.3562	1.1261	0.2502	-0.1794	1.197
1285	41.6	40.3	1.7503	0.3866	0.218	2.3549	1.1323	0.2366	-0.1734	1.1955
1286	40.8	40.3	1.7491	0.3865	0.2181	2.3537	1.1315	0.2249	-0.1666	1.1898

1287	41.5	40.3	1.7475	0.3875	0.218	2.353	1.1273	0.2293	-0.1626	1.194
1288	39.7	40.3	1.7463	0.3884	0.2183	2.3529	1.1249	0.2253	-0.159	1.1912
1289	39.7	40.3	1.7449	0.3882	0.2185	2.3516	1.1278	0.2262	-0.157	1.1969
1290	40.2	40.4	1.7444	0.388	0.2184	2.3508	1.1228	0.2265	-0.1577	1.1917
1291	39.4	40.4	1.7438	0.3878	0.2186	2.3502	1.1116	0.2335	-0.1608	1.1844
1292	39.1	40.5	1.7425	0.3875	0.2187	2.3487	1.1162	0.2333	-0.1694	1.1801
1293	38.8	40.5	1.7408	0.3869	0.2185	2.3462	1.12	0.2152	-0.1623	1.1729
1294	38.3	40.7	1.7393	0.3864	0.2182	2.344	1.1132	0.2148	-0.1588	1.1691
1295	40.8	40.6	1.7388	0.3855	0.2181	2.3425	1.0899	0.2253	-0.1449	1.1703
1296	40.3	40.5	1.7372	0.3854	0.2174	2.3399	1.0866	0.2097	-0.1344	1.1619
1297	42	40.5	1.736	0.3844	0.2172	2.3375	1.0727	0.217	-0.1278	1.1619
1298	42.5	40.5	1.7351	0.3845	0.217	2.3366	1.0739	0.237	-0.1313	1.1796
1299	43.6	40.6	1.7346	0.3838	0.2173	2.3356	1.0708	0.2352	-0.1338	1.1723
1300	41.2	40.6	1.7338	0.3835	0.2179	2.3352	1.0707	0.2316	-0.1325	1.1698
1301	40.9	40.6	1.7328	0.3831	0.2179	2.3338	1.0734	0.2307	-0.1334	1.1706
1302	41.4	40.6	1.7316	0.3834	0.2175	2.3325	1.0629	0.2359	-0.1317	1.1671
1303	41.7	40.6	1.7308	0.383	0.217	2.3309	1.0551	0.2309	-0.133	1.153
1304	40.2	40.6	1.7306	0.3818	0.2172	2.3296	1.0348	0.2247	-0.1341	1.1255
1305	39.2	40.4	1.7302	0.3821	0.2174	2.3297	0.9722	0.2344	-0.0682	1.1385
1306	40.5	40.4	1.7297	0.383	0.2172	2.3299	0.9405	0.2198	-0.0459	1.1144
1307	40.5	40.3	1.7289	0.3828	0.2171	2.3288	0.939	0.2105	-0.046	1.1035
1308	40.8	40.1	1.7281	0.3825	0.2171	2.3276	0.9366	0.2025	-0.0464	1.0927
1309	40.8	39.9	1.7274	0.3825	0.2173	2.3272	0.9423	0.1961	-0.0431	1.0953
1310	39.3	39.8	1.7245	0.3822	0.2174	2.3241	0.9389	0.1942	-0.0342	1.0988
1311	37.8	39.7	1.7226	0.3822	0.2184	2.3232	0.9458	0.2052	-0.0349	1.116
1312	39.1	39.7	1.7219	0.38	0.2174	2.3193	0.9607	0.2207	-0.0392	1.1422
1313	37.9	39.5	1.7209	0.379	0.2167	2.3166	0.9705	0.2446	-0.0371	1.178
1314	37.5	39.3	1.7207	0.3771	0.2174	2.3152	0.9821	0.2639	-0.0271	1.2189
1315	40.1	39.2	1.7212	0.3761	0.2178	2.3152	0.967	0.267	-0.0215	1.2124
1316	40.8	39	1.7211	0.3754	0.2181	2.3147	0.9683	0.2628	-0.0208	1.2104
1317	39.2	38.8	1.7196	0.3759	0.2185	2.314	0.9787	0.2505	-0.0157	1.2136
1318	39.3	38.6	1.718	0.3771	0.2189	2.314	0.9781	0.238	-0.0161	1.1999
1319	40	38.3	1.7164	0.3786	0.2189	2.3139	0.9721	0.2317	-0.0142	1.1896
1320	38	38.2	1.7152	0.3778	0.2185	2.3114	0.9553	0.2294	-0.0111	1.1736
1321	40.6	38.2	1.714	0.3774	0.2181	2.3095	0.9493	0.2367	-0.009	1.177
1322	38.6	38.2	1.7134	0.3768	0.2177	2.3079	0.9537	0.2357	-0.0108	1.1785
1323	37.4	38.2	1.7132	0.3758	0.2173	2.3064	0.9569	0.2367	-0.0189	1.1746

1324	36.8	38.3	1.7133	0.3744	0.2178	2.3055	0.9566	0.2284	-0.0176	1.1674
1325	37.2	38.2	1.7126	0.3752	0.2185	2.3063	0.9503	0.2287	-0.012	1.167
1326	36.3	38	1.711	0.3767	0.2199	2.3075	0.9516	0.2181	-0.007	1.1627
1327	36	38	1.7076	0.378	0.2225	2.308	0.9501	0.2297	-0.011	1.1687
1328	36.4	37.9	1.7054	0.379	0.2225	2.3068	0.9535	0.2296	-0.0112	1.1719
1329	37	37.8	1.7039	0.3788	0.222	2.3047	0.9663	0.2135	-0.0182	1.1616
1330	37.8	37.8	1.7021	0.3786	0.2222	2.3029	0.9686	0.2043	-0.026	1.1469
1331	38.9	37.7	1.7014	0.3784	0.2224	2.3022	1.0099	0.1934	-0.0468	1.1565
1332	38.2	37.7	1.7011	0.3777	0.2223	2.301	1.0223	0.1833	-0.0828	1.1228
1333	38.5	37.7	1.7006	0.3771	0.2224	2.3002	1.0303	0.1735	-0.0765	1.1273
1334	39.1	38	1.699	0.3767	0.2224	2.2982	1.0296	0.1803	-0.0707	1.1392
1335	36.8	38.1	1.6982	0.3771	0.2223	2.2977	1.033	0.1845	-0.0723	1.1452
1336	39.4	38.3	1.6973	0.3772	0.2222	2.2966	1.0381	0.1747	-0.0712	1.1417
1337	37.9	38.5	1.6955	0.3783	0.2222	2.296	1.0411	0.1687	-0.0672	1.1426
1338	37.7	38.6	1.694	0.3776	0.2222	2.2938	1.0278	0.1826	-0.0633	1.1471
1339	38	38.7	1.6928	0.3777	0.2221	2.2926	1.0093	0.2043	-0.0623	1.1514
1340	38.5	38.9	1.691	0.3775	0.2222	2.2908	0.9923	0.2086	-0.0615	1.1395
1341	39.2	38.9	1.6891	0.3783	0.2226	2.29	0.99	0.2041	-0.0645	1.1296
1342	37.6	38.9	1.6884	0.3782	0.2226	2.2892	0.9918	0.1918	-0.0678	1.1157
1343	40.6	38.9	1.688	0.3771	0.2221	2.2872	0.9902	0.1846	-0.0657	1.1091
1344	40.1	38.9	1.6876	0.3759	0.2217	2.2852	0.9787	0.1819	-0.0709	1.0898
1345	39.8	39.2	1.6874	0.3753	0.2216	2.2843	0.9721	0.1718	-0.0742	1.0696
1346	39.7	39.2	1.687	0.375	0.2219	2.2838	0.9771	0.1563	-0.0744	1.0589
1347	38.4	39.1	1.6859	0.3749	0.2221	2.2828	0.9662	0.1543	-0.0797	1.0409
1348	38.8	39.2	1.6847	0.3755	0.2221	2.2823	0.9609	0.1512	-0.078	1.0342
1349	41.3	39.1	1.6833	0.3757	0.2218	2.2809	0.9586	0.1625	-0.0805	1.0406
1350	39.1	38.9	1.6827	0.375	0.2218	2.2795	0.9707	0.1723	-0.0824	1.0606
1351	39.2	38.7	1.6826	0.3732	0.2216	2.2773	0.9719	0.1583	-0.0818	1.0484
1352	38.7	38.6	1.6824	0.3733	0.2214	2.2771	0.98	0.1513	-0.08	1.0514
1353	39.1	38.4	1.6817	0.3731	0.2212	2.2761	0.9734	0.1559	-0.0779	1.0514
1354	40.9	38.2	1.6809	0.3729	0.2215	2.2753	0.9701	0.1551	-0.0785	1.0467
1355	39.2	38.1	1.6799	0.3734	0.2219	2.2751	0.9839	0.1513	-0.0745	1.0607
1356	37.6	38	1.6789	0.3738	0.2221	2.2748	0.9846	0.1662	-0.0682	1.0826
1357	38.1	38	1.678	0.3743	0.222	2.2743	0.9887	0.191	-0.0681	1.1116
1358	36.3	37.9	1.677	0.3744	0.2216	2.273	0.9891	0.1987	-0.0721	1.1156
1359	35.2	37.6	1.6763	0.3742	0.2214	2.2719	0.994	0.1916	-0.0731	1.1126
1360	34.9	37.6	1.6754	0.3736	0.2214	2.2704	1.0024	0.1782	-0.0733	1.1074

1361	36.8	37.5	1.6744	0.3724	0.2216	2.2683	0.9851	0.1549	-0.0776	1.0625
1362	36.8	37.5	1.6734	0.371	0.2215	2.2659	0.9728	0.1461	-0.0694	1.0495
1363	36.5	37.4	1.6711	0.3698	0.2209	2.2618	0.9713	0.1231	-0.0801	1.0143
1364	38.1	37.2	1.6708	0.3694	0.2204	2.2606	0.9671	0.1107	-0.0909	0.9869
1365	37	37	1.6699	0.3689	0.2202	2.2591	0.9745	0.0877	-0.0882	0.9741
1366	38.1	36.9	1.6687	0.3689	0.2197	2.2574	0.9869	0.0789	-0.0815	0.9843
1367	36.5	36.8	1.6673	0.369	0.2196	2.2559	1.0012	0.0709	-0.0768	0.9953
1368	37.2	36.8	1.6668	0.3693	0.2194	2.2555	0.9861	0.0761	-0.0718	0.9904
1369	37.4	36.9	1.667	0.3693	0.2189	2.2553	0.9775	0.0821	-0.0659	0.9937
1370	37.9	36.9	1.6669	0.3686	0.2186	2.2541	0.9785	0.0938	-0.0668	1.0055
1371	38.6	36.9	1.6656	0.3682	0.2185	2.2524	0.9784	0.0928	-0.0718	0.9995
1372	37.7	36.8	1.6638	0.3676	0.219	2.2504	0.9751	0.0968	-0.0743	0.9975
1373	36.7	36.8	1.6627	0.3675	0.2187	2.2489	0.9758	0.0955	-0.0764	0.9949
1374	35.7	36.6	1.6624	0.3664	0.2184	2.2473	0.9829	0.0903	-0.0775	0.9957
1375	35.9	36.4	1.6619	0.3664	0.2183	2.2467	0.9903	0.0719	-0.0737	0.9885
1376	36.2	36.3	1.6614	0.3659	0.2189	2.2462	0.9893	0.0754	-0.072	0.9927
1377	36.7	36.2	1.6608	0.365	0.2189	2.2447	0.9833	0.0933	-0.0554	1.0212
1378	35.6	36.1	1.6596	0.3656	0.2192	2.2444	0.9634	0.1117	-0.0278	1.0473
1379	36.4	35.9	1.659	0.3659	0.2197	2.2446	0.9685	0.1264	-0.0292	1.0657
1380	35.4	35.8	1.6542	0.3673	0.2218	2.2433	0.9554	0.1344	-0.0273	1.0625
1381	35.5	35.5	1.6519	0.3686	0.2256	2.2461	0.9362	0.1369	-0.0232	1.05
1382	36.1	35.4	1.6501	0.3701	0.2252	2.2453	0.9299	0.1314	-0.0215	1.0398
1383	34.9	35.3	1.6493	0.3701	0.2246	2.2439	0.9341	0.1224	-0.0211	1.0354
1384	33.9	35.4	1.6476	0.3692	0.2249	2.2416	0.9336	0.1216	-0.0198	1.0354
1385	34.9	35.4	1.6465	0.3691	0.2251	2.2407	0.93	0.1243	-0.0238	1.0305
1386	34.3	35.3	1.645	0.3697	0.2248	2.2395	0.9293	0.1369	-0.0269	1.0393
1387	35.2	35.3	1.6447	0.3692	0.2244	2.2383	0.9254	0.1374	-0.0267	1.036
1388	33.9	35.3	1.6453	0.368	0.2245	2.2378	0.9221	0.1493	-0.0317	1.0398
1389	36.9	35.3	1.6457	0.3674	0.2246	2.2377	0.919	0.1475	-0.035	1.0315
1390	33.2	35.3	1.6454	0.3675	0.2249	2.2378	0.9105	0.1536	-0.0386	1.0255
1391	34.4	35.4	1.6446	0.3686	0.2254	2.2386	0.8962	0.1421	-0.0377	1.0005
1392	35.6	35.4	1.6435	0.369	0.2253	2.2378	0.8914	0.1434	-0.0338	1.001
1393	36.9	35.6	1.6429	0.3687	0.2256	2.2372	0.8929	0.1415	-0.0347	0.9997
1394	35.7	35.7	1.6421	0.3692	0.2257	2.237	0.8967	0.1275	-0.0427	0.9814
1395	35.7	35.8	1.6411	0.3699	0.2256	2.2366	0.906	0.1067	-0.0505	0.9622
1396	35.8	35.8	1.6405	0.3699	0.2254	2.2358	0.9117	0.0955	-0.0546	0.9526
1397	35.8	35.9	1.6399	0.3692	0.225	2.2341	0.9234	0.0875	-0.0536	0.9573

1398	35.7	36.2	1.6392	0.3683	0.2251	2.2326	0.9244	0.0787	-0.0489	0.9543
1399	35.8	36.2	1.6375	0.3665	0.2256	2.2296	0.9217	0.083	-0.047	0.9577
1400	37.4	36.4	1.6366	0.3677	0.2261	2.2304	0.9149	0.0879	-0.0519	0.9509
1401	36	36.7	1.6348	0.368	0.2259	2.2287	0.9192	0.0796	-0.0531	0.9457
1402	38.5	36.8	1.6342	0.3679	0.2253	2.2274	0.9266	0.0642	-0.0553	0.9355
1403	36.5	36.8	1.6338	0.3675	0.2249	2.2262	0.9326	0.0676	-0.0566	0.9437
1404	36.1	37	1.6323	0.3666	0.2247	2.2235	0.9279	0.0677	-0.0549	0.9407
1405	35.9	37	1.6317	0.3655	0.2242	2.2214	0.9223	0.0667	-0.0512	0.9377
1406	36.6	37	1.6308	0.3639	0.224	2.2187	0.9225	0.0672	-0.0479	0.9418
1407	38.8	37.1	1.63	0.3629	0.2243	2.2173	0.9244	0.0734	-0.043	0.9548
1408	37.6	37.1	1.6287	0.3633	0.2244	2.2164	0.9251	0.0763	-0.0434	0.9581
1409	37.6	37.2	1.6271	0.3647	0.2246	2.2165	0.922	0.0746	-0.0459	0.9506
1410	38.4	37.2	1.626	0.3667	0.2252	2.2179	0.9283	0.0742	-0.0501	0.9524
1411	37.6	37.2	1.6253	0.3676	0.2253	2.2183	0.9665	0.069	-0.0884	0.9471
1412	38	37.1	1.6248	0.3677	0.2254	2.2179	1.0147	0.061	-0.1381	0.9376
1413	38.3	37.2	1.6242	0.3679	0.2258	2.2179	1.015	0.0502	-0.1438	0.9213
1414	36.3	37.3	1.6232	0.3683	0.2262	2.2178	0.9959	0.0342	-0.149	0.8811
1415	36.4	37.4	1.6225	0.3683	0.226	2.2167	1.0068	0.0297	-0.1514	0.8851
1416	37.7	37.5	1.621	0.3683	0.2258	2.2151	1.0499	0.0195	-0.1949	0.8745
1417	35.2	37.4	1.621	0.3683	0.2257	2.2149	1.0547	0.0241	-0.2104	0.8684
1418	38.1	37.5	1.6202	0.3689	0.2255	2.2146	1.0477	0.0263	-0.2097	0.8643
1419	37.1	37.5	1.6186	0.3692	0.2256	2.2134	1.0553	0.0273	-0.2138	0.8688
1420	35.5	37.4	1.6173	0.3685	0.2257	2.2115	1.0646	0.0241	-0.2189	0.8698
1421	36.7	37.4	1.6165	0.3677	0.2256	2.2097	1.0687	0.023	-0.2221	0.8696
1422	38.1	37.3	1.6158	0.3672	0.2253	2.2084	1.0664	0.026	-0.2208	0.8716
1423	39.3	37.1	1.6149	0.3668	0.2251	2.2068	1.0582	0.0223	-0.2138	0.8668
1424	37.2	37	1.6143	0.3672	0.2252	2.2066	1.0572	0.0271	-0.2183	0.866
1425	37.8	37	1.6136	0.3677	0.2258	2.2071	1.061	0.0174	-0.2202	0.8582
1426	38	36.9	1.6127	0.3673	0.2254	2.2054	1.0622	0.0164	-0.2209	0.8576
1427	39.8	37	1.6112	0.3668	0.2253	2.2033	1.06	0.0073	-0.2156	0.8517
1428	37	36.9	1.6085	0.3664	0.2254	2.2003	1.0608	-0.0063	-0.2144	0.8401
1429	36.5	36.9	1.6083	0.3654	0.2248	2.1985	1.0605	-0.0035	-0.2113	0.8457
1430	37.4	36.9	1.6085	0.3649	0.2245	2.1979	1.0624	0.003	-0.2057	0.8596
1431	35.5	36.9	1.6084	0.3653	0.2246	2.1982	1.0212	0.0191	-0.1836	0.8567
1432	34.8	36.8	1.6077	0.3655	0.2244	2.1975	1.0105	0.0307	-0.1447	0.8965
1433	35.2	36.7	1.6072	0.365	0.2244	2.1966	1.0035	0.0423	-0.1478	0.898
1434	36	36.6	1.606	0.3643	0.2248	2.1951	1.012	0.0406	-0.1562	0.8964

1435	36.4	36.4	1.6053	0.3634	0.225	2.1937	0.9999	0.0352	-0.1564	0.8787
1436	36.6	36.3	1.6047	0.3634	0.2249	2.193	0.995	0.0436	-0.1528	0.8858
1437	36	35.9	1.6033	0.3633	0.2254	2.192	0.985	0.0543	-0.1567	0.8826
1438	36.7	35.7	1.6021	0.3629	0.2257	2.1906	0.9875	0.0512	-0.1599	0.8788
1439	37.1	35.6	1.6017	0.3623	0.226	2.19	1.0029	0.0412	-0.1595	0.8847
1440	35.9	35.4	1.6014	0.3633	0.226	2.1907	1.0184	0.0386	-0.1574	0.8996
1441	36.5	35.3	1.6	0.364	0.226	2.1899	1.0265	0.0364	-0.1555	0.9074
1442	36.5	35.3	1.5991	0.3641	0.226	2.1892	1.0264	0.0451	-0.148	0.9236
1443	35.2	35.2	1.5983	0.3643	0.2264	2.189	1.0181	0.0516	-0.146	0.9237
1444	35.5	35.3	1.597	0.3653	0.2267	2.189	1.0164	0.0539	-0.1424	0.9279
1445	34.4	35.2	1.5962	0.3657	0.2271	2.189	1.0085	0.0706	-0.1414	0.9377
1446	33.6	35.1	1.5947	0.3662	0.2272	2.1881	1.0095	0.0857	-0.1425	0.9528
1447	33	35.2	1.5935	0.367	0.227	2.1874	1.0212	0.0867	-0.1478	0.9601
1448	34.4	35.1	1.5925	0.3672	0.2268	2.1865	1.0248	0.0799	-0.1481	0.9566
1449	34	35.1	1.5918	0.367	0.227	2.1858	1.0295	0.0713	-0.1465	0.9543
1450	33.8	35.3	1.5908	0.3671	0.2271	2.1849	1.0204	0.0628	-0.1444	0.9389
1451	33.5	35.4	1.5899	0.3668	0.2271	2.1838	1.0157	0.069	-0.1394	0.9453
1452	34.6	35.4	1.5891	0.3666	0.227	2.1827	1.0046	0.071	-0.1394	0.9362
1453	36.4	35.5	1.5889	0.3664	0.2267	2.182	1.0062	0.0735	-0.1445	0.9353
1454	35.4	35.6	1.5887	0.3663	0.2266	2.1815	1.0138	0.0726	-0.146	0.9405
1455	35.7	35.7	1.5876	0.3666	0.2267	2.1809	1.0064	0.0653	-0.1469	0.9248
1456	36.1	35.9	1.5865	0.3665	0.2264	2.1793	1.0084	0.0545	-0.1533	0.9096
1457	36	36	1.5855	0.3666	0.2264	2.1785	0.9982	0.0407	-0.1561	0.8828
1458	37.5	36.1	1.5848	0.3669	0.2262	2.1779	0.9951	0.033	-0.1508	0.8773
1459	38.9	36.2	1.5835	0.3668	0.2264	2.1767	0.9907	0.0336	-0.1482	0.8762
1460	38	36.3	1.5788	0.3667	0.2302	2.1757	0.9825	0.0476	-0.1474	0.8827
1461	36	36.3	1.5729	0.3663	0.2354	2.1746	0.9823	0.0708	-0.1408	0.9124
1462	37.5	36.4	1.5719	0.3659	0.2359	2.1737	0.9845	0.096	-0.1488	0.9318
1463	37.8	36.6	1.5715	0.3664	0.2358	2.1737	0.98	0.0866	-0.1492	0.9174
1464	36.2	36.7	1.5701	0.3664	0.2355	2.1721	0.9757	0.0877	-0.1427	0.9206
1465	36.5	36.8	1.5649	0.367	0.2397	2.1716	1.0024	0.086	-0.1511	0.9372
1466	36.6	36.9	1.5633	0.3665	0.2408	2.1706	1.0023	0.0916	-0.1535	0.9404
1467	35.9	36.9	1.5625	0.3664	0.2406	2.1695	0.9943	0.088	-0.1503	0.932
1468	35.6	36.9	1.5613	0.3666	0.2408	2.1686	0.9956	0.0888	-0.1519	0.9324
1469	35.1	36.8	1.5606	0.3669	0.2408	2.1683	0.9955	0.0986	-0.1524	0.9418
1470	34.9	36.8	1.56	0.3663	0.2408	2.1671	0.9959	0.1054	-0.1535	0.9478
1471	36.3	37	1.559	0.3656	0.2406	2.1652	0.9956	0.1022	-0.1512	0.9466

1472	38.6	36.9	1.558	0.3654	0.2404	2.1637	1.0042	0.0959	-0.1448	0.9553
1473	37.5	36.9	1.5569	0.3648	0.2406	2.1623	1.0062	0.0917	-0.1435	0.9543
1474	37.2	37	1.5563	0.3647	0.2405	2.1615	1.0119	0.0885	-0.1435	0.9569
1475	38	37.1	1.5557	0.3648	0.2404	2.1609	1.0205	0.0959	-0.1402	0.9762
1476	37.5	37	1.5554	0.3651	0.2405	2.161	1.0181	0.1106	-0.1328	0.9959
1477	37.7	37.1	1.5547	0.3656	0.2404	2.1607	1.0169	0.1179	-0.1314	1.0033
1478	36.5	37.2	1.5536	0.3659	0.2404	2.1598	1.0022	0.1252	-0.1251	1.0023
1479	38.4	37.4	1.5528	0.3656	0.2402	2.1586	0.975	0.1239	-0.1229	0.9761
1480	38.4	37.4	1.5521	0.3654	0.2402	2.1577	0.9732	0.1129	-0.1276	0.9585
1481	36.6	37.4	1.5509	0.3655	0.24	2.1564	0.9826	0.1126	-0.133	0.9622
1482	36.6	37.2	1.5497	0.3658	0.24	2.1555	0.9834	0.1216	-0.1332	0.9717
1483	38.9	37.2	1.5481	0.366	0.2402	2.1543	0.9829	0.1174	-0.1358	0.9645
1484	37.8	37.1	1.5476	0.3657	0.2405	2.1538	0.9937	0.1222	-0.1414	0.9745
1485	35.7	37.1	1.547	0.3648	0.2404	2.1521	0.9969	0.1231	-0.1426	0.9773
1486	37.6	37	1.5465	0.3642	0.2405	2.1512	1.0016	0.1049	-0.141	0.9655
1487	37.7	36.9	1.5459	0.3641	0.2404	2.1504	1.0027	0.0982	-0.1354	0.9655
1488	37.8	36.8	1.545	0.3638	0.2404	2.1493	1.069	0.082	-0.2098	0.9412
1489	36.1	36.6	1.5439	0.3635	0.2403	2.1477	1.0827	0.0952	-0.2295	0.9484
1490	35.7	36.6	1.5428	0.3639	0.2404	2.1471	1.0912	0.0974	-0.2255	0.9631
1491	35.3	36.6	1.542	0.3641	0.2402	2.1463	1.0862	0.1143	-0.225	0.9755
1492	36.8	36.5	1.5417	0.3639	0.2399	2.1454	1.0676	0.1227	-0.2251	0.9652
1493	36.5	36.4	1.5413	0.3633	0.2398	2.1444	1.0563	0.118	-0.2264	0.9478
1494	36.4	36.3	1.5413	0.3622	0.2398	2.1433	1.0492	0.1146	-0.2282	0.9356
1495	36	36.4	1.5402	0.3613	0.2398	2.1413	1.0417	0.1216	-0.2277	0.9356
1496	36.6	36.2	1.5384	0.3613	0.2402	2.1398	1.0418	0.1176	-0.2254	0.934
1497	34.8	36.1	1.5374	0.3613	0.2398	2.1384	1.0337	0.1099	-0.2248	0.9187
1498	34.9	36.1	1.5362	0.3612	0.2397	2.1371	1.0305	0.1092	-0.2297	0.9101
1499	37.6	36	1.5355	0.3602	0.24	2.1357	1.0316	0.1069	-0.2343	0.9042
1500	36.5	35.9	1.535	0.3608	0.2401	2.1359	1.0368	0.1059	-0.2331	0.9096
1501	35.6	35.9	1.5343	0.3609	0.2399	2.135	1.0344	0.1097	-0.2328	0.9113
1502	35.7	35.7	1.5336	0.3605	0.2398	2.1339	1.029	0.1121	-0.2313	0.9098
1503	36.4	35.7	1.5324	0.3603	0.2395	2.1322	1.0266	0.1084	-0.2291	0.9059
1504	36.9	35.6	1.5316	0.3601	0.2393	2.1311	1.0261	0.1012	-0.2318	0.8954
1505	34.7	35.6	1.5309	0.36	0.2396	2.1304	1.0201	0.1062	-0.231	0.8953
1506	36.2	35.4	1.531	0.3598	0.2396	2.1304	1.0154	0.1108	-0.2313	0.8949
1507	36.6	35.5	1.5305	0.3597	0.2394	2.1296	1.0141	0.1007	-0.2348	0.8799
1508	34.1	35.4	1.5296	0.36	0.2392	2.1288	1.0175	0.0976	-0.2352	0.8799

1509	35.3	35.3	1.5289	0.36	0.2394	2.1282	1.0217	0.107	-0.2394	0.8893
1510	34.4	35.2	1.5278	0.3596	0.2392	2.1266	1.0188	0.1127	-0.2378	0.8937
1511	34	35.2	1.5269	0.358	0.2402	2.1251	0.986	0.1097	-0.1981	0.8976
1512	34.7	35.1	1.5268	0.359	0.2403	2.1261	0.9345	0.1056	-0.1425	0.8976
1513	35.8	35.1	1.5266	0.3591	0.2401	2.1259	0.9268	0.103	-0.1358	0.894
1514	35.5	35	1.523	0.3597	0.2413	2.124	0.9381	0.1047	-0.138	0.9048
1515	33.6	35	1.5222	0.3591	0.2413	2.1227	0.935	0.1061	-0.1455	0.8957
1516	35.1	34.9	1.5216	0.3595	0.2408	2.1219	0.8974	0.1168	-0.1068	0.9074
1517	34.6	34.9	1.5215	0.3594	0.2409	2.1217	0.8856	0.1148	-0.1009	0.8995
1518	35	34.9	1.5207	0.359	0.2408	2.1204	0.8843	0.1152	-0.1028	0.8967
1519	34.6	35	1.519	0.3586	0.241	2.1186	0.8748	0.1232	-0.098	0.9
1520	35.6	35.1	1.5178	0.3583	0.2408	2.1168	0.8777	0.1269	-0.0978	0.9068
1521	34.2	35.1	1.5161	0.3581	0.24	2.1142	0.8876	0.1121	-0.0966	0.903
1522	35.2	35.1	1.5152	0.358	0.2397	2.1129	0.8952	0.0991	-0.1013	0.893
1523	35.2	35.1	1.5137	0.358	0.2394	2.1111	0.8921	0.0956	-0.1125	0.8752
1524	34.7	35	1.5122	0.3576	0.2392	2.109	0.8918	0.0954	-0.1109	0.8763
1525	35.8	35.1	1.5118	0.3566	0.239	2.1075	0.8906	0.0947	-0.112	0.8733
1526	35.1	35.1	1.511	0.3555	0.2385	2.1051	0.8991	0.0932	-0.1117	0.8805
1527	35.2	35.1	1.511	0.3543	0.2378	2.1031	0.9063	0.0943	-0.1082	0.8923
1528	36.7	35	1.511	0.354	0.2377	2.1027	0.9067	0.0995	-0.106	0.9003
1529	36.5	34.9	1.511	0.3541	0.2375	2.1026	0.8958	0.1017	-0.1035	0.8939
1530	34.4	34.8	1.5103	0.3536	0.2378	2.1017	0.8973	0.0968	-0.1065	0.8875
1531	34.7	34.6	1.51	0.3531	0.2379	2.101	0.8946	0.1013	-0.109	0.8869
1532	35	34.4	1.5094	0.3537	0.2379	2.101	0.8957	0.1067	-0.1085	0.894
1533	34.6	34.3	1.5079	0.3528	0.2386	2.0992	0.8974	0.1104	-0.1057	0.9021
1534	35.4	34.1	1.5063	0.352	0.2391	2.0974	0.891	0.1119	-0.1015	0.9015
1535	35.1	34	1.5051	0.3529	0.2391	2.0972	0.8914	0.1153	-0.0969	0.9099
1536	34.3	33.9	1.5045	0.3536	0.2384	2.0965	0.8875	0.1086	-0.1019	0.8942
1537	32.6	33.7	1.4964	0.3551	0.2464	2.0979	0.889	0.0938	-0.1046	0.8783
1538	32.2	33.6	1.4938	0.3533	0.2486	2.0958	0.8882	0.0975	-0.1049	0.8808
1539	33.7	33.4	1.4926	0.3526	0.2485	2.0937	0.8889	0.101	-0.1014	0.8885
1540	31.7	33.4	1.4928	0.3519	0.2485	2.0932	0.8831	0.0928	-0.1008	0.875
1541	31.3	33.4	1.4932	0.3517	0.2485	2.0934	0.876	0.0907	-0.0989	0.8679
1542	32.5	33.4	1.4935	0.3523	0.2487	2.0944	0.874	0.085	-0.0988	0.8602
1543	31.7	33.4	1.4934	0.3529	0.2492	2.0955	0.8752	0.085	-0.098	0.8622
1544	32.6	33.3	1.4928	0.3531	0.2495	2.0954	0.8757	0.0914	-0.0971	0.87
1545	33	33.2	1.492	0.354	0.2496	2.0956	0.8768	0.0823	-0.1019	0.8573

1546	32.9	33.1	1.4913	0.3552	0.2497	2.0962	0.8797	0.0631	-0.0978	0.845
1547	33.3	33	1.4904	0.3561	0.2499	2.0964	0.8613	0.0655	-0.0901	0.8366
1548	33.8	33.1	1.4894	0.3565	0.2502	2.0961	0.8531	0.0681	-0.0934	0.8278
1549	34.3	33	1.4882	0.3564	0.2503	2.0948	0.8512	0.0614	-0.0963	0.8163
1550	34.6	33.1	1.4873	0.3561	0.2504	2.0938	0.8559	0.0482	-0.0958	0.8082
1551	34.5	33.3	1.487	0.3555	0.2502	2.0928	0.8577	0.0577	-0.0987	0.8167
1552	34.8	33.4	1.4865	0.3557	0.2499	2.0921	0.8598	0.0606	-0.1018	0.8186
1553	34	33.7	1.4863	0.3562	0.2499	2.0924	0.8613	0.0575	-0.1013	0.8175
1554	32.9	33.8	1.4867	0.3556	0.2497	2.092	0.8635	0.0544	-0.1006	0.8172
1555	31.9	33.9	1.4861	0.3556	0.2498	2.0914	0.8667	0.0546	-0.1005	0.8208
1556	32	34.2	1.485	0.3564	0.2499	2.0913	0.8719	0.0592	-0.1062	0.8249
1557	32.9	34.4	1.4837	0.3569	0.2499	2.0905	0.8761	0.0636	-0.1181	0.8216
1558	32.4	34.5	1.4826	0.3562	0.2502	2.089	0.8693	0.0703	-0.1221	0.8175
1559	34.2	34.6	1.4816	0.3555	0.2502	2.0873	0.8659	0.0721	-0.1228	0.8151
1560	34	34.8	1.4802	0.3557	0.25	2.0859	0.8754	0.0661	-0.1205	0.821
1561	34.3	34.9	1.4795	0.3557	0.2496	2.0848	0.874	0.0604	-0.1247	0.8097
1562	36.7	35	1.4792	0.3557	0.2495	2.0844	0.8748	0.043	-0.1171	0.8007
1563	35.6	35	1.4777	0.3559	0.2496	2.0832	0.8845	0.0519	-0.124	0.8124
1564	35.6	35.1	1.4766	0.3558	0.2501	2.0825	0.8927	0.0468	-0.1255	0.814
1565	37	35.2	1.4752	0.3553	0.2504	2.0809	0.8642	0.0485	-0.113	0.7997
1566	37.2	35.4	1.4747	0.3551	0.2509	2.0806	0.8633	0.0385	-0.112	0.7898
1567	36.3	35.4	1.4741	0.3548	0.2509	2.0798	0.8703	0.0404	-0.1174	0.7933
1568	37.1	35.6	1.4738	0.3542	0.2506	2.0786	0.8774	0.0387	-0.1181	0.798
1569	38.6	35.7	1.4728	0.3542	0.2506	2.0776	0.8789	0.0313	-0.1208	0.7894
1570	35.3	35.7	1.4713	0.3551	0.2504	2.0768	0.8753	0.0251	-0.1177	0.7827
1571	36.2	35.9	1.4695	0.3557	0.2507	2.0759	0.8692	0.0229	-0.1201	0.772
1572	34.6	35.8	1.4688	0.3558	0.2516	2.0762	0.859	0.026	-0.1286	0.7565
1573	34.7	35.7	1.4678	0.3553	0.2517	2.0747	0.8627	0.0239	-0.132	0.7546
1574	34.8	35.6	1.4673	0.3552	0.2517	2.0741	0.8478	0.0217	-0.1346	0.7349
1575	34.3	35.5	1.4658	0.3555	0.2516	2.0729	0.8434	0.0108	-0.1345	0.7197
1576	34.1	35.3	1.4648	0.3557	0.2513	2.0717	0.8439	-0.0027	-0.1345	0.7067
1577	35.4	35.2	1.464	0.3557	0.251	2.0707	0.8455	-0.0135	-0.1388	0.6932
1578	35.7	35	1.464	0.3557	0.2507	2.0705	0.8546	-0.0211	-0.1462	0.6873
1579	35.5	34.8	1.4631	0.3559	0.2509	2.0699	0.8608	-0.0209	-0.1446	0.6954
1580	36.6	34.7	1.4626	0.3553	0.2511	2.069	0.8683	-0.0116	-0.1431	0.7135
1581	34.8	34.6	1.4613	0.3548	0.2509	2.067	0.8701	-0.0023	-0.1387	0.7291
1582	34.3	34.5	1.46	0.3548	0.2506	2.0653	0.8756	0.0009	-0.1354	0.7411

1583	34.7	34.4	1.459	0.3548	0.2503	2.0641	0.8854	0.0104	-0.1356	0.7602
1584	33.5	34.2	1.4584	0.3542	0.2502	2.0628	0.886	0.0012	-0.1304	0.7568
1585	33.9	34.1	1.4582	0.3539	0.2506	2.0627	0.8803	-0.0068	-0.1212	0.7523
1586	34.3	34.1	1.4576	0.3549	0.2509	2.0634	0.8749	0.0065	-0.1182	0.7632
1587	33.8	34	1.4571	0.3544	0.2508	2.0623	0.8666	0.0278	-0.1249	0.7694
1588	33.8	33.8	1.4562	0.3537	0.2506	2.0605	0.799	0.0388	-0.0454	0.7924
1589	34.6	33.6	1.4555	0.3542	0.2504	2.0602	0.7674	0.0223	-0.0224	0.7673
1590	33.9	33.4	1.4552	0.3548	0.2503	2.0603	0.7499	0.0291	-0.0281	0.7509
1591	32.2	33.3	1.4546	0.3556	0.25	2.0603	0.7604	0.0176	-0.0296	0.7485
1592	32.7	33.2	1.4542	0.3554	0.2497	2.0592	0.7786	0.0027	-0.0302	0.751
1593	32.6	33.1	1.4537	0.3542	0.2495	2.0574	0.7833	-0.0029	-0.0285	0.7519
1594	32.4	33.1	1.4536	0.354	0.25	2.0575	0.7876	0.0023	-0.0258	0.7641
1595	34.1	33	1.4522	0.355	0.2496	2.0568	0.7975	0.0013	-0.0245	0.7743
1596	32.3	32.9	1.4523	0.3547	0.2492	2.0562	0.8139	0.0083	-0.0448	0.7774
1597	32.5	32.8	1.4521	0.3544	0.2491	2.0557	0.8202	0.0257	-0.0538	0.7922
1598	31.9	32.9	1.4511	0.355	0.2494	2.0555	0.8123	0.0373	-0.0494	0.8002
1599	32.9	32.8	1.4499	0.3554	0.2496	2.0549	0.8067	0.0469	-0.0457	0.8079
1600	32.1	32.7	1.4492	0.355	0.2499	2.0542	0.8013	0.0464	-0.0426	0.8051
1601	33.2	32.9	1.4483	0.3548	0.2501	2.0532	0.797	0.0364	-0.0412	0.7922
1602	32.6	33	1.4475	0.3548	0.2499	2.0521	0.7981	0.0318	-0.0417	0.7881
1603	32.4	33.2	1.4461	0.3548	0.2495	2.0505	0.8076	0.0347	-0.0457	0.7966
1604	31.9	33.2	1.4449	0.3546	0.2494	2.049	0.8108	0.0356	-0.0462	0.8002
1605	33.5	33.2	1.4437	0.3541	0.2502	2.0479	0.8516	0.0263	-0.0557	0.8222
1606	32.5	33.3	1.4434	0.3534	0.2514	2.0483	0.8544	0.0285	-0.0815	0.8013
1607	34.2	33.4	1.4436	0.3526	0.2516	2.0478	0.8581	0.0374	-0.0829	0.8126
1608	32.6	33.5	1.443	0.3527	0.2515	2.0473	0.8527	0.0406	-0.0825	0.8108
1609	33.2	33.5	1.4414	0.3534	0.2514	2.0461	0.849	0.0382	-0.0807	0.8065
1610	34.7	33.7	1.4404	0.3536	0.2517	2.0457	0.8461	0.0333	-0.0799	0.7996
1611	35.4	33.7	1.4394	0.3537	0.2519	2.045	0.8421	0.0309	-0.0822	0.7908
1612	35.7	33.7	1.4383	0.3538	0.2527	2.0449	0.8425	0.0229	-0.0856	0.7799
1613	33.5	33.7	1.4373	0.3545	0.2527	2.0445	0.8481	0.0207	-0.0864	0.7825
1614	34.2	33.8	1.4366	0.3549	0.2526	2.0441	0.8444	0.0239	-0.0837	0.7846
1615	34	33.7	1.4359	0.3552	0.2526	2.0437	0.838	0.0226	-0.0791	0.7815
1616	34.9	33.8	1.4346	0.3555	0.2526	2.0426	0.8378	0.0149	-0.0772	0.7755
1617	33.3	33.7	1.4337	0.3555	0.2527	2.0419	0.843	0.0092	-0.0703	0.7819
1618	32.9	33.8	1.4328	0.3559	0.2528	2.0415	0.8538	0.0072	-0.08	0.781
1619	34.6	33.7	1.4315	0.3561	0.2527	2.0403	0.8522	0.0055	-0.0816	0.7761

1620	33.9	33.7	1.4309	0.356	0.2528	2.0396	0.8658	0.0032	-0.0836	0.7854
1621	33	33.7	1.4302	0.3555	0.2529	2.0386	0.8686	0.0094	-0.103	0.775
1622	32.7	33.6	1.4289	0.3556	0.2529	2.0375	0.8558	0.0144	-0.1077	0.7624
1623	32.8	33.7	1.429	0.3558	0.2529	2.0376	0.857	0.0173	-0.0997	0.7746
1624	32.6	33.7	1.4279	0.3565	0.2527	2.037	0.8563	0.0115	-0.099	0.7689
1625	33.4	33.7	1.4274	0.3569	0.2525	2.0368	0.8608	0.0127	-0.0989	0.7746
1626	33.3	33.6	1.4264	0.3569	0.2524	2.0358	0.8528	0.0171	-0.098	0.7719
1627	33.2	33.6	1.4255	0.3564	0.2524	2.0344	0.8474	0.0197	-0.0995	0.7677
1628	32.4	33.5	1.4249	0.3561	0.2521	2.0331	0.8482	0.0215	-0.1046	0.765
1629	33.6	33.5	1.4242	0.3553	0.2519	2.0313	0.8482	0.0187	-0.1069	0.76
1630	35.5	33.5	1.4232	0.3539	0.2517	2.0288	0.8449	0.0199	-0.1043	0.7605
1631	34.5	33.5	1.4225	0.353	0.2514	2.0269	0.8478	0.0112	-0.1011	0.7579
1632	35.3	33.6	1.4208	0.3527	0.2515	2.025	0.8406	0.008	-0.1022	0.7464
1633	33.6	33.7	1.4193	0.3526	0.2516	2.0235	0.8402	0.008	-0.1043	0.7439
1634	35	33.7	1.4183	0.3527	0.2512	2.0221	0.8358	0.0062	-0.1063	0.7357
1635	32.3	33.6	1.4176	0.3523	0.2509	2.0208	0.8385	0.0017	-0.1077	0.7326
1636	33	33.6	1.4178	0.3509	0.2509	2.0195	0.8482	0.0012	-0.1098	0.7396
1637	32.2	33.7	1.4165	0.3513	0.2509	2.0187	0.8582	0.005	-0.112	0.7512
1638	33.5	33.6	1.4171	0.3511	0.2509	2.0191	0.862	-0.0003	-0.1123	0.7495
1639	35.1	33.5	1.4176	0.3497	0.2513	2.0186	0.8572	-0.0039	-0.1128	0.7405
1640	33.5	33.2	1.4168	0.3501	0.2515	2.0183	0.8629	0.006	-0.1147	0.7542
1641	33.9	33.1	1.4154	0.3514	0.2515	2.0183	0.8876	0.0158	-0.1207	0.7826
1642	34	32.9	1.4152	0.3526	0.2515	2.0193	0.8977	0.0248	-0.1313	0.7913
1643	32.4	32.7	1.4146	0.3526	0.2518	2.019	0.9019	0.0204	-0.1413	0.781
1644	32.2	32.5	1.4131	0.353	0.2519	2.018	0.9054	0.0065	-0.1448	0.7672
1645	33.4	32.3	1.4107	0.3531	0.2541	2.0179	0.906	0.005	-0.1401	0.7708
1646	34.1	32.2	1.4093	0.3527	0.2551	2.017	0.8981	0.0118	-0.1432	0.7667
1647	32.1	32.2	1.4092	0.3523	0.2549	2.0164	0.9035	0.0074	-0.1451	0.7659
1648	31.3	32.1	1.4087	0.3518	0.2548	2.0153	0.9114	0.003	-0.1445	0.77
1649	30.1	32	1.408	0.3517	0.2546	2.0143	0.907	0.0106	-0.1413	0.7764
1650	31.4	31.9	1.4076	0.3525	0.2545	2.0146	0.8988	0.0185	-0.1383	0.7791
1651	31.2	31.9	1.4072	0.3524	0.2544	2.014	0.898	0.0164	-0.1354	0.779
1652	31.4	31.9	1.4057	0.3523	0.2545	2.0125	0.8954	0.0122	-0.1339	0.7738
1653	30.6	31.9	1.4052	0.3527	0.2545	2.0124	0.8906	0.01	-0.1351	0.7655
1654	29.2	31.9	1.4015	0.353	0.2553	2.0098	0.8791	0.0095	-0.1363	0.7522
1655	30.8	31.9	1.4006	0.3527	0.258	2.0113	0.8749	0.0108	-0.1396	0.7461
1656	31.9	31.9	1.3992	0.3527	0.2582	2.0101	0.868	0.0059	-0.1354	0.7386

1657	31.9	32	1.3985	0.3528	0.2581	2.0094	0.8763	-0.0018	-0.1239	0.7505
1658	32.2	32.2	1.3977	0.3524	0.2582	2.0083	0.8936	-0.0145	-0.122	0.7571
1659	32.6	32.2	1.397	0.3522	0.2582	2.0073	0.8975	-0.0122	-0.1193	0.766
1660	33.1	32.3	1.396	0.3526	0.2583	2.0069	0.8916	-0.0039	-0.1169	0.7709
1661	33.7	32.3	1.3952	0.3534	0.2582	2.0068	0.8813	0.0092	-0.1119	0.7786
1662	33	32.4	1.3944	0.3536	0.2581	2.0061	0.8771	0.0096	-0.108	0.7787
1663	32.6	32.5	1.3932	0.3536	0.2579	2.0047	0.8752	0.0079	-0.0986	0.7845
1664	33.9	32.6	1.3928	0.3536	0.258	2.0044	0.8746	0.012	-0.0982	0.7884
1665	33.6	32.7	1.3914	0.3538	0.2581	2.0033	0.8745	0.0181	-0.1017	0.7909
1666	34.1	32.8	1.3904	0.3541	0.2579	2.0025	0.8728	0.0205	-0.1022	0.7911
1667	34.1	32.9	1.3887	0.3541	0.2589	2.0017	0.8669	0.0224	-0.0999	0.7894
1668	31.6	32.9	1.3886	0.3537	0.2588	2.001	0.868	0.0215	-0.0995	0.79
1669	32.5	33	1.3862	0.3539	0.2589	1.999	0.8692	0.0251	-0.0999	0.7945
1670	31.8	33.1	1.3844	0.3542	0.2607	1.9993	0.8607	0.0278	-0.103	0.7856
1671	32.8	33	1.3839	0.3543	0.2615	1.9997	0.8654	0.0317	-0.1047	0.7924
1672	32.2	33.1	1.383	0.3541	0.2616	1.9987	0.8608	0.0268	-0.1032	0.7844
1673	31.5	33.2	1.3821	0.3541	0.2615	1.9978	0.8584	0.0279	-0.0993	0.787
1674	32.4	33.3	1.3812	0.3539	0.2615	1.9967	0.8635	0.0254	-0.0981	0.7907
1675	33.8	33.3	1.3805	0.3538	0.2614	1.9957	0.862	0.0347	-0.1005	0.7963
1676	33.4	33.3	1.38	0.3537	0.2612	1.995	0.8822	0.0426	-0.1062	0.8186
1677	32.8	33.3	1.3792	0.3535	0.2614	1.9942	1.2011	-0.0816	-0.2269	0.8927
1678	34.4	33.4	1.3792	0.3539	0.2614	1.9944	2.086	-0.5835	-0.8164	0.686
1679	34.9	33.5	1.3786	0.3539	0.2613	1.9938	2.2177	-0.4831	-0.9576	0.777
1680	32.4	33.6	1.3778	0.3541	0.2612	1.9932	2.2663	-0.5218	-0.938	0.8065
1681	33.5	33.6	1.3773	0.354	0.2611	1.9924	2.2747	-0.5761	-0.9457	0.7529
1682	35.2	33.7	1.376	0.354	0.261	1.9909	2.3623	-0.6746	-0.948	0.7397
1683	35.6	33.7	1.3754	0.3542	0.261	1.9906	2.4086	-0.7467	-0.9457	0.7162
1684	34.5	33.6	1.3746	0.354	0.2609	1.9895	2.4606	-0.8312	-0.948	0.6814
1685	34.2	33.5	1.3734	0.3538	0.2616	1.9888	2.5344	-0.9035	-0.9544	0.6765
1686	33.7	33.5	1.3718	0.3544	0.2621	1.9882	2.5806	-0.9402	-0.9552	0.6853
1687	33	33.5	1.3709	0.3544	0.2621	1.9874	2.6187	-0.9844	-0.9533	0.6811
1688	34.1	33.4	1.3704	0.3541	0.2619	1.9864	2.6474	-1.0168	-0.9531	0.6775
1689	33.5	33.3	1.3693	0.3536	0.2619	1.9848	2.64	-0.9949	-0.9524	0.6928
1690	33.6	33.3	1.3664	0.3533	0.2624	1.982	2.6392	-1.0019	-0.9459	0.6914
1691	33.4	33.2	1.3648	0.3532	0.2632	1.9811	2.633	-0.9843	-0.9475	0.7012
1692	31.7	33.1	1.364	0.3533	0.2638	1.9811	2.597	-0.9599	-0.9487	0.6884
1693	31.7	32.8	1.3632	0.3535	0.264	1.9807	2.5688	-0.9055	-0.9485	0.7147

1694	31.6	32.6	1.363	0.3535	0.264	1.9805	2.5074	-0.8365	-0.9462	0.7247
1695	33.3	32.4	1.3624	0.3539	0.2639	1.9801	2.4767	-0.7894	-0.948	0.7392
1696	31.9	32.3	1.3619	0.354	0.2637	1.9796	2.3851	-0.7269	-0.9258	0.7324
1697	32	32.2	1.3609	0.3541	0.2636	1.9787	2.3302	-0.6914	-0.908	0.7308
1698	33.2	32	1.3604	0.354	0.2635	1.9779	2.2925	-0.6347	-0.9059	0.7519
1699	33.3	31.9	1.36	0.3536	0.2634	1.977	2.2306	-0.5758	-0.9036	0.7511
1700	31.7	31.8	1.3594	0.3534	0.2635	1.9763	2.1678	-0.5391	-0.8983	0.7304
1701	32.3	31.7	1.3588	0.3536	0.2634	1.9758	2.1238	-0.4788	-0.8953	0.7497
1702	31.1	31.8	1.3584	0.3537	0.2634	1.9755	2.1059	-0.4466	-0.8959	0.7633
1703	29.7	31.9	1.3582	0.3539	0.2632	1.9752	2.0568	-0.4073	-0.895	0.7545
1704	30.4	32	1.3575	0.3536	0.2634	1.9744	2.0252	-0.3766	-0.8871	0.7614
1705	31.4	31.9	1.3569	0.3535	0.2637	1.9741	1.9562	-0.3395	-0.8781	0.7386
1706	31.1	32	1.3558	0.3536	0.2638	1.9732	1.954	-0.3424	-0.8481	0.7634
1707	31.6	32.1	1.3542	0.3541	0.2638	1.9721	1.9483	-0.342	-0.843	0.7632
1708	30.9	32.1	1.3533	0.354	0.2634	1.9707	1.9461	-0.335	-0.8416	0.7695
1709	31.3	32.1	1.3522	0.3537	0.2631	1.969	1.9368	-0.3375	-0.8403	0.7591
1710	32.1	32.1	1.3523	0.3527	0.2629	1.9678	1.9343	-0.3405	-0.8393	0.7545
1711	34.5	32.1	1.3517	0.3528	0.2627	1.9672	1.9294	-0.3393	-0.8373	0.7529
1712	33.2	32.1	1.3508	0.353	0.2626	1.9664	1.9251	-0.3335	-0.8389	0.7527
1713	32.1	32.3	1.3499	0.3533	0.2625	1.9656	1.9308	-0.331	-0.8404	0.7593
1714	33.1	32.3	1.3491	0.3531	0.2628	1.965	1.9309	-0.335	-0.8403	0.7555
1715	33.2	32.3	1.3486	0.3532	0.2628	1.9646	1.9293	-0.3387	-0.8405	0.7501
1716	33.8	32.3	1.3479	0.3533	0.2626	1.9637	1.942	-0.3562	-0.8424	0.7435
1717	33.5	32.2	1.3469	0.3534	0.2626	1.9629	1.941	-0.3624	-0.8458	0.7328
1718	32.5	32.3	1.3458	0.3534	0.2628	1.9621	1.9169	-0.3561	-0.8379	0.7229
1719	32.8	32.3	1.3454	0.3534	0.263	1.9618	1.9258	-0.3657	-0.8374	0.7227
1720	31.7	32.2	1.3443	0.3528	0.2633	1.9604	1.915	-0.355	-0.8396	0.7204
1721	31.2	32.1	1.3441	0.3528	0.2632	1.9601	1.8933	-0.3373	-0.8211	0.735
1722	32.6	32.1	1.3431	0.3529	0.2628	1.9588	1.8741	-0.2924	-0.8176	0.7641
1723	31.4	32	1.3426	0.3532	0.2627	1.9586	1.8075	-0.2583	-0.8194	0.7297
1724	31.2	31.9	1.3417	0.353	0.2627	1.9574	1.7971	-0.2576	-0.8222	0.7172
1725	31.3	31.9	1.3392	0.3526	0.2631	1.9549	1.7849	-0.2505	-0.8248	0.7096
1726	30.4	31.8	1.3063	0.365	0.2751	1.9465	1.7763	-0.2424	-0.8287	0.7052
1727	31.8	31.6	1.2169	0.4147	0.3341	1.9657	1.768	-0.2352	-0.8301	0.7026
1728	31.4	31.6	1.2032	0.4044	0.3479	1.9554	1.762	-0.2264	-0.8234	0.7123
1729	30.9	31.5	1.1975	0.4075	0.3457	1.9506	1.7767	-0.2251	-0.8174	0.7343
1730	31.6	31.6	1.1958	0.4115	0.3463	1.9535	1.794	-0.236	-0.8139	0.7441

1731	33.2	31.8	1.1863	0.4205	0.3462	1.9529	1.7979	-0.2379	-0.8124	0.7476
1732	30.9	31.8	1.18	0.4273	0.3461	1.9534	1.7953	-0.239	-0.813	0.7432
1733	31.2	32	1.1732	0.4357	0.3464	1.9554	1.7854	-0.2313	-0.8121	0.742
1734	32.8	32.1	1.1649	0.443	0.3466	1.9545	1.8439	-0.1923	-0.8863	0.7653
1735	31.7	32.2	1.1596	0.4463	0.3464	1.9523	1.8468	-0.2034	-0.8846	0.7587
1736	30.8	32.3	1.1559	0.4493	0.3462	1.9514	1.8507	-0.2195	-0.8642	0.7669
1737	31.4	32.3	1.1518	0.4529	0.3462	1.9509	1.8408	-0.214	-0.8509	0.7759
1738	31.7	32.4	1.1531	0.4506	0.3461	1.9498	1.8347	-0.2122	-0.8421	0.7805
1739	33.6	32.5	1.1537	0.4499	0.3459	1.9495	1.8383	-0.2108	-0.8368	0.7906
1740	34	32.7	1.1535	0.4485	0.3462	1.9482	1.8278	-0.2074	-0.8338	0.7865
1741	33.7	32.7	1.1557	0.4474	0.3464	1.9495	1.7883	-0.191	-0.829	0.7683
1742	34	32.9	1.1583	0.4431	0.3464	1.9478	1.7645	-0.1851	-0.8198	0.7596
1743	33.4	33	1.1639	0.4363	0.3464	1.9466	1.7548	-0.183	-0.8146	0.7572
1744	32.7	33	1.1654	0.4319	0.3467	1.9441	1.7486	-0.1886	-0.8131	0.7469
1745	32.9	33.1	1.1721	0.4258	0.3467	1.9447	1.7495	-0.1925	-0.8123	0.7448
1746	31.7	33.2	1.1763	0.4218	0.3459	1.944	1.7416	-0.1809	-0.8099	0.7508
1747	32.8	33.4	1.1799	0.4158	0.3454	1.9412	1.732	-0.1667	-0.8128	0.7525
1748	33.8	33.5	1.1856	0.4094	0.3452	1.9402	1.7232	-0.1697	-0.8141	0.7394
1749	34.3	33.4	1.1912	0.4056	0.3444	1.9413	1.7261	-0.1798	-0.8142	0.7321
1750	34.1	33.3	1.1953	0.4003	0.344	1.9396	1.7169	-0.1836	-0.8087	0.7247
1751	35	33.3	1.1966	0.397	0.344	1.9377	1.7144	-0.1821	-0.8082	0.7241
1752	32.8	33.2	1.2	0.393	0.344	1.937	1.725	-0.182	-0.8166	0.7265
1753	32.5	33.2	1.2027	0.3903	0.3432	1.9363	1.7387	-0.1821	-0.8254	0.7312
1754	33.6	33.2	1.2059	0.387	0.3431	1.9359	1.7544	-0.1828	-0.8361	0.7355
1755	33.3	33.1	1.2052	0.387	0.3428	1.935	1.7651	-0.1879	-0.843	0.7342
1756	34.3	33.2	1.2044	0.3869	0.3425	1.9337	1.7777	-0.1906	-0.8481	0.739
1757	33.3	33.2	1.2039	0.3863	0.3423	1.9325	1.7848	-0.1911	-0.8562	0.7374
1758	31.9	33.2	1.204	0.3861	0.3423	1.9324	1.7872	-0.1884	-0.8654	0.7334
1759	33.4	33	1.2036	0.3862	0.3421	1.9319	1.7963	-0.1916	-0.8788	0.7258
1760	33	33	1.203	0.3865	0.342	1.9316	1.8043	-0.1962	-0.8921	0.716
1761	32.4	32.9	1.2027	0.3867	0.3421	1.9316	1.8252	-0.2104	-0.9044	0.7103
1762	32.9	32.9	1.2013	0.3867	0.3421	1.9302	1.8393	-0.2115	-0.9168	0.711
1763	32.2	32.9	1.2002	0.3871	0.342	1.9292	1.8503	-0.211	-0.9287	0.7106
1764	32.2	32.8	1.1999	0.3874	0.342	1.9294	1.8606	-0.2107	-0.9403	0.7097
1765	33.9	32.8	1.1972	0.3894	0.3423	1.929	1.8734	-0.2152	-0.9478	0.7104
1766	32.6	32.8	1.1963	0.3904	0.3425	1.9292	1.8897	-0.2165	-0.959	0.7142
1767	33.5	32.8	1.197	0.3897	0.3427	1.9294	1.9031	-0.2184	-0.973	0.7116

1768	30.8	32.8	1.196	0.3902	0.3425	1.9288	1.9145	-0.2197	-0.984	0.7108
1769	33.5	32.8	1.1947	0.3894	0.3429	1.927	1.9248	-0.2221	-0.9934	0.7093
1770	33.1	32.9	1.1951	0.3879	0.3429	1.9258	1.9431	-0.2253	-1.003	0.7149
1771	33	33	1.1965	0.3835	0.3433	1.9233	1.9539	-0.2348	-1.0129	0.7062
1772	32.2	33	1.2023	0.3799	0.3436	1.9258	1.9757	-0.2377	-1.0262	0.7118
1773	32.1	33.1	1.2024	0.3799	0.3438	1.926	1.9883	-0.2403	-1.0442	0.7037
1774	33.4	33.1	1.2027	0.379	0.344	1.9257	2.0078	-0.2384	-1.0595	0.7099
1775	33.8	33.2	1.2029	0.378	0.3442	1.9252	2.0219	-0.2444	-1.0732	0.7043
1776	33.1	33.3	1.2032	0.3772	0.3442	1.9247	2.016	-0.2528	-1.0825	0.6807
1777	33	33.3	1.203	0.3762	0.3438	1.9229	1.5989	-0.0885	-0.9347	0.5757
1778	32.2	33.5	1.2015	0.3764	0.3432	1.921	0.3963	0.591	-0.1399	0.8474
1779	35.3	33.4	1.1992	0.3775	0.3427	1.9194	0.2104	0.4551	0.0502	0.7157
1780	34.7	33.3	1.198	0.3779	0.3424	1.9184	0.1342	0.5051	0.0193	0.6586
1781	33.3	33.3	1.1977	0.378	0.3424	1.9181	0.111	0.5697	0.0282	0.709
1782	32.8	33.3	1.1974	0.3771	0.3422	1.9167	-0.0254	0.7085	0.0279	0.7111
1783	33.4	33.2	1.191	0.3735	0.3496	1.914	-0.1181	0.8198	0.0264	0.7281
1784	34.7	33.1	1.1899	0.3743	0.3494	1.9137	-0.2208	0.9575	0.0316	0.7683
1785	35.5	32.9	1.1883	0.3758	0.348	1.9121	-0.3503	1.0819	0.0354	0.7669
1786	33.3	32.7	1.1877	0.3758	0.3472	1.9107	-0.4372	1.1493	0.0331	0.7452
1787	33.5	32.5	1.1875	0.3756	0.3463	1.9093	-0.5013	1.214	0.0304	0.743
1788	31.9	32.3	1.1866	0.3752	0.3455	1.9074	-0.5748	1.2911	0.0304	0.7467
1789	32.1	32	1.1865	0.3744	0.3453	1.9061	-0.563	1.2741	0.0295	0.7406
1790	32.1	31.8	1.1876	0.3724	0.3453	1.9052	-0.5626	1.2831	0.0266	0.7471
1791	31.7	31.6	1.1883	0.3717	0.3452	1.9052	-0.5759	1.2822	0.032	0.7383
1792	31.8	31.4	1.1885	0.3716	0.3453	1.9053	-0.5482	1.285	0.0359	0.7726
1793	30	30.9	1.1883	0.3724	0.3453	1.906	-0.5123	1.2329	0.0362	0.7568
1794	30.1	30.5	1.1881	0.3727	0.3452	1.906	-0.4229	1.135	0.0366	0.7488
1795	29.2	30.3	1.1882	0.3719	0.3449	1.9051	-0.4036	1.0775	0.0435	0.7174
1796	29.8	29.9	1.1887	0.3706	0.345	1.9043	-0.2884	0.9858	0.0439	0.7414
1797	28.3	29.6	1.1886	0.3711	0.345	1.9047	-0.2174	0.9297	0.0296	0.7419
1798	29.9	29.6	1.1878	0.3719	0.3449	1.9047	-0.1526	0.8342	0.0219	0.7036
1799	31.3	30	1.1883	0.3719	0.3443	1.9045	-0.0456	0.727	0.0168	0.6982
1800	28.7	28.7	1.188	0.3716	0.3443	1.9039	0.0635	0.6676	0.0022	0.7333