

Test Name	HPL, PIR, rep 1
Cladding	High Pressure Laminate (HPL)
Cladding Thickness [mm]	8
Insulation	Polyisocyanurate (PIR) foam
Insulation Thickness [mm]	100
Cavity Width [mm]	50
Repetition Number	1
Mass Flow Rate (Propane)	0.2
Description	This experiment is on a system consisting of a High Pressure Laminate (HPL) cladding panel and a Polyisocyanurate (PIR) foam insulation panel, separated with a cavity of 50 mm width. It is the first repetition of this system configuration.
Experiment Notes	At approximately 7 minutes the HPL panel began to touch the insulation panel, affecting the mass measurements. At approximately 13 mins the cladding panel frame is seen to shift as the panel breaks.
Peak HRR [kW]	147
Time to Peak HRR [mins]	6.68
Residual HRR [kW]	19.3
Total HR [MJ]	119
Peak dQ/dt [kW/s]	1.13
Time to Peak dQ/dt [s]	7.07

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	0.308	0.308	6.954	1.8672	-0.0009	8.8203	0.2603	0.4584	0.0071	0.7258
1	0.343	0.43	6.954	1.8661	-0.0005	8.8196	0.2553	0.4443	0.0091	0.7087
2	0.639	0.553	6.9518	1.8636	-0.0011	8.8143	0.2443	0.455	0.0093	0.7085
3	0.735	0.629	6.9529	1.8607	-0.0011	8.8125	0.2376	0.4548	0.0106	0.703
4	0.738	0.691	6.9536	1.8588	-0.0006	8.8117	0.2379	0.4564	0.0091	0.7034
5	0.766	0.748	6.9537	1.8578	-0.0006	8.8109	0.2412	0.4459	0.0066	0.6937
6	0.872	1.01	6.9541	1.8569	-0.0005	8.8104	0.2437	0.4361	0.0045	0.6843
7	0.921	1.47	6.9549	1.8561	-0.0005	8.8105	0.2363	0.4335	0.0029	0.6727
8	0.902	2.04	6.9559	1.8547	-0.0004	8.8102	0.2246	0.4198	0.0028	0.6472
9	0.908	2.67	6.957	1.8541	-0.0004	8.8107	0.2267	0.4073	0.0028	0.6368
10	1.09	3.22	6.9572	1.8537	-0.0005	8.8104	0.2467	0.3937	0.0011	0.6414
11	1.98	3.76	6.957	1.8526	-0.0006	8.8091	0.2544	0.3807	0.0104	0.6456
12	2.88	4.34	6.9565	1.8513	-0.0007	8.807	0.2689	0.379	0.0045	0.6525
13	4.01	4.92	6.9559	1.8507	-0.0009	8.8057	0.2703	0.3847	0.0066	0.6616
14	4.91	5.54	6.9556	1.8502	-0.0009	8.8048	0.2786	0.3941	0.01	0.6826
15	5.9	6.16	6.9555	1.8498	-0.0011	8.8042	0.2828	0.3987	0.011	0.6926
16	6.7	6.8	6.9553	1.8495	-0.0012	8.8035	0.2819	0.3983	0.0117	0.6919
17	7.6	7.47	6.955	1.8491	-0.0013	8.8029	0.2845	0.3993	0.0148	0.6986
18	8.47	8.13	6.9547	1.8486	-0.0012	8.8021	0.2862	0.4053	0.0179	0.7094
19	10.8	8.74	6.9546	1.8479	-0.001	8.8015	0.2831	0.4066	0.0183	0.7081
20	10.6	9.37	6.9542	1.8478	-0.0007	8.8012	0.2915	0.4112	0.0167	0.7194
21	11.6	9.85	6.9537	1.8469	-0.0006	8.8	0.2939	0.4093	0.0176	0.7209
22	11.9	10.3	6.9531	1.8464	-0.0005	8.799	0.2975	0.4152	0.0148	0.7274
23	12.4	10.7	6.9526	1.8469	-0.0007	8.7988	0.301	0.4095	0.015	0.7255
24	12.7	11	6.9516	1.8467	-0.001	8.7973	0.3042	0.4126	0.0157	0.7326
25	13	11.3	6.9507	1.8468	-0.0011	8.7964	0.3033	0.4229	0.0137	0.7399
26	13.6	11.6	6.9502	1.8469	-0.0012	8.7959	0.2986	0.4261	0.0114	0.736
27	13.4	11.8	6.9495	1.847	-0.0014	8.7952	0.2997	0.432	0.0103	0.742
28	12.5	11.9	6.9495	1.8471	-0.0017	8.795	0.302	0.44	0.0078	0.7498

29	13	11.9	6.95	1.8466	-0.0018	8.7947	0.3038	0.4402	0.0071	0.7511
30	11.1	11.9	6.95	1.8466	-0.0022	8.7944	0.3155	0.4452	0.0058	0.7665
31	12	11.9	6.9497	1.8461	-0.0025	8.7933	0.3169	0.4426	0.0057	0.7652
32	11.7	11.9	6.9488	1.8459	-0.0028	8.792	0.3173	0.4299	0.0054	0.7526
33	10.9	11.8	6.9478	1.8455	-0.003	8.7903	0.3181	0.4218	0.0036	0.7435
34	11.3	11.6	6.9472	1.8447	-0.003	8.789	0.3174	0.4163	0.002	0.7356
35	11.7	11.4	6.9472	1.8437	-0.0026	8.7882	0.3236	0.4107	0.0019	0.7362
36	11.2	11.2	6.947	1.8429	-0.0022	8.7876	0.3388	0.4008	0.0026	0.7423
37	10.4	11	6.9466	1.8428	-0.002	8.7875	0.3494	0.3974	0.0022	0.749
38	11.5	10.9	6.9462	1.8431	-0.0017	8.7875	0.3567	0.3925	0	0.7492
39	10.9	10.7	6.9457	1.8435	-0.002	8.7873	0.3607	0.3867	-0.0004	0.747
40	11	10.6	6.9454	1.8439	-0.002	8.7873	0.3802	0.3887	0.0008	0.7697
41	11.2	10.5	6.9451	1.8437	-0.002	8.7868	0.4019	0.3781	0.0019	0.782
42	10.4	10.4	6.9448	1.8433	-0.0018	8.7863	0.4263	0.3753	0.0036	0.8052
43	10	10.3	6.9445	1.8433	-0.0016	8.7863	0.4446	0.3761	0.0057	0.8264
44	9.53	10.2	6.945	1.8437	-0.0017	8.7871	0.4582	0.3763	0.004	0.8385
45	9.45	10.1	6.9454	1.8439	-0.0014	8.7878	0.4707	0.3782	0.0028	0.8516
46	9.35	10	6.9452	1.844	-0.0014	8.7879	0.4778	0.3796	0.0021	0.8594
47	9.74	10	6.945	1.8447	-0.0013	8.7884	0.4778	0.3846	0.0009	0.8632
48	9.99	9.93	6.944	1.8444	-0.0013	8.7871	0.4835	0.3942	-0.0002	0.8775
49	9.68	9.91	6.9433	1.8446	-0.0015	8.7865	0.4986	0.3969	-0.0023	0.8932
50	9.12	9.94	6.9433	1.8449	-0.0016	8.7866	0.4991	0.3998	-0.0024	0.8966
51	9.52	9.91	6.9436	1.8439	-0.0016	8.7859	0.4905	0.3917	0.0002	0.8823
52	9.5	9.96	6.9437	1.8435	-0.0017	8.7855	0.504	0.3834	0.0058	0.8932
53	9.75	10	6.9435	1.8429	-0.0016	8.7848	0.4993	0.3594	0.0021	0.8609
54	9.83	10.1	6.9431	1.843	-0.0015	8.7846	0.527	0.3342	0.0032	0.8644
55	10	10.2	6.9427	1.8431	-0.0014	8.7844	0.551	0.3108	0.0098	0.8716
56	9.79	10.3	6.9429	1.8428	-0.0013	8.7844	0.5663	0.3053	0.011	0.8826
57	9.93	10.4	6.9433	1.8432	-0.0013	8.7852	0.5901	0.2996	0.0101	0.8998
58	10.6	10.5	6.943	1.8435	-0.0013	8.7852	0.6178	0.2919	0.0083	0.918
59	11.5	10.6	6.9415	1.8439	-0.0012	8.7843	0.6527	0.2737	0.0059	0.9323
60	10.6	10.8	6.9408	1.8443	-0.0018	8.7834	0.6748	0.2711	0.0081	0.954
61	11.3	11	6.9397	1.8441	-0.0014	8.7823	0.6967	0.2669	0.0076	0.9712
62	10.8	11.2	6.9393	1.8433	-0.0016	8.7811	0.7089	0.2612	0.0051	0.9752
63	11.2	11.3	6.9385	1.8423	-0.0018	8.7791	0.724	0.2464	0.0045	0.975
64	11.4	11.5	6.938	1.8416	-0.0019	8.7777	0.737	0.245	0.0025	0.9846
65	11.3	11.6	6.9377	1.8413	-0.0019	8.7771	0.755	0.2461	0.0021	1.0031

66	11.3	11.9	6.9373	1.8408	-0.0021	8.776	0.762	0.2522	0.0033	1.0176
67	12.5	12	6.9369	1.84	-0.0024	8.7745	0.7564	0.2564	0.0034	1.0161
68	12	12.2	6.9368	1.8395	-0.0024	8.7739	0.7581	0.2593	0.0062	1.0236
69	12.7	12.4	6.9359	1.8388	-0.0023	8.7724	0.7672	0.2628	0.0034	1.0333
70	12.7	12.6	6.9355	1.8385	-0.0024	8.7716	0.793	0.2601	0.004	1.0572
71	13.2	12.8	6.9349	1.8377	-0.0022	8.7704	0.7956	0.2644	0.006	1.066
72	12.9	13	6.9344	1.8377	-0.0022	8.7698	0.8091	0.2615	0.0067	1.0772
73	12.6	13.2	6.9338	1.837	-0.0023	8.7685	0.8182	0.2663	0.0093	1.0938
74	13	13.5	6.9336	1.8358	-0.0022	8.7673	0.8267	0.2715	0.0096	1.1078
75	13.6	13.7	6.9336	1.8352	-0.002	8.7668	0.8379	0.2739	0.0085	1.1203
76	13.7	14	6.9333	1.8343	-0.0019	8.7656	0.8404	0.2832	0.008	1.1316
77	13.6	14.2	6.9328	1.8332	-0.0017	8.7643	0.8385	0.2986	0.0073	1.1443
78	14.6	14.4	6.9323	1.8328	-0.0017	8.7634	0.8318	0.3114	0.0046	1.1477
79	14.9	14.6	6.9311	1.8319	-0.0016	8.7614	0.8394	0.3251	0.0004	1.1649
80	14.6	14.9	6.9307	1.8317	-0.0016	8.7608	0.8581	0.3294	-0.0048	1.1827
81	14.7	15.1	6.9303	1.8323	-0.0016	8.7611	0.8743	0.3407	-0.0163	1.1987
82	16	15.3	6.9299	1.8326	-0.0014	8.7611	0.8879	0.3447	-0.0217	1.2108
83	16.3	15.6	6.9297	1.8326	-0.0013	8.761	0.8915	0.35	-0.0262	1.2153
84	15.9	15.9	6.9288	1.8327	-0.0013	8.7602	0.8901	0.3443	-0.0311	1.2034
85	16	16.1	6.9272	1.8331	-0.0014	8.7589	0.8961	0.3376	-0.0325	1.2012
86	16.7	16.3	6.9259	1.833	-0.0013	8.7576	0.9149	0.3305	-0.0278	1.2175
87	16.7	16.5	6.925	1.833	-0.0011	8.7568	0.9241	0.3216	-0.0232	1.2225
88	16.5	16.6	6.9242	1.8331	-0.0011	8.7563	0.9416	0.3174	-0.0215	1.2374
89	17.5	16.8	6.9221	1.8326	-0.0012	8.7535	0.9631	0.3091	-0.0193	1.2529
90	16.5	17.1	6.9198	1.8332	-0.0013	8.7516	0.9904	0.318	-0.02	1.2884
91	18.2	17.3	6.9171	1.833	-0.0015	8.7487	1.01	0.324	-0.014	1.32
92	17.8	17.4	6.915	1.8326	-0.0017	8.7459	1.0307	0.3279	-0.0128	1.3457
93	18.1	17.5	6.9133	1.8322	-0.0015	8.7439	1.0592	0.3317	-0.0106	1.3803
94	17.6	17.7	6.9116	1.8316	-0.0014	8.7419	1.0715	0.3429	-0.0077	1.4067
95	17	17.9	6.9105	1.8311	-0.0013	8.7403	1.0898	0.3557	-0.0096	1.4359
96	17.8	18	6.91	1.8303	-0.0012	8.739	1.1078	0.3665	-0.0084	1.4659
97	17.5	18.1	6.9089	1.8289	-0.0011	8.7368	1.1228	0.3793	-0.0101	1.4919
98	18.5	18.2	6.907	1.8283	-0.0009	8.7343	1.1376	0.3934	-0.0109	1.52
99	19.2	18.4	6.9064	1.8276	-0.0009	8.7331	1.1456	0.3925	-0.0156	1.5225
100	18.4	18.6	6.905	1.828	-0.0009	8.732	1.1535	0.3957	-0.0215	1.5277
101	19	18.6	6.9036	1.8277	-0.0011	8.7303	1.1609	0.4062	-0.023	1.5442
102	18.3	18.7	6.9019	1.8276	-0.0013	8.7282	1.1895	0.3945	-0.0265	1.5576

103	19.2	18.8	6.9002	1.8273	-0.0014	8.7261	1.1987	0.3906	-0.0178	1.5715
104	19.3	18.9	6.8985	1.8277	-0.0016	8.7246	1.2289	0.3821	-0.0198	1.5913
105	19.3	19.1	6.8971	1.8272	-0.0017	8.7226	1.2497	0.3801	-0.0137	1.6162
106	18.8	19.1	6.8951	1.827	-0.0015	8.7205	1.2792	0.3809	-0.0106	1.6495
107	18.1	19.2	6.8931	1.827	-0.0013	8.7187	1.2966	0.3814	-0.008	1.67
108	20.4	19.4	6.8907	1.8273	-0.001	8.717	1.3147	0.3821	-0.0061	1.6907
109	20.2	19.4	6.8895	1.827	-0.0012	8.7153	1.3365	0.3867	-0.005	1.7182
110	19.1	19.5	6.8875	1.827	-0.0013	8.7133	1.3418	0.3902	-0.0057	1.7263
111	19.4	19.6	6.8861	1.8265	-0.0011	8.7115	1.3597	0.3948	-0.0127	1.7419
112	19.9	19.7	6.8841	1.8266	-0.0012	8.7095	1.372	0.4026	-0.0076	1.7671
113	19.9	19.8	6.8822	1.8262	-0.0012	8.7072	1.3798	0.4053	-0.0138	1.7714
114	19.6	19.9	6.8801	1.8256	-0.0012	8.7045	1.4063	0.4104	-0.0115	1.8052
115	19.5	20	6.8793	1.8245	-0.0014	8.7024	1.417	0.4059	-0.0122	1.8107
116	19.2	20.1	6.8797	1.8238	-0.0016	8.7019	1.4377	0.4042	-0.0133	1.8286
117	21.1	20.3	6.8792	1.8232	-0.0019	8.7005	1.4586	0.4103	-0.0138	1.8552
118	19.7	20.3	6.878	1.8223	-0.0015	8.6988	1.4778	0.4154	-0.0149	1.8783
119	20	20.3	6.8753	1.8219	-0.0014	8.6958	1.5005	0.4155	-0.0165	1.8996
120	20.6	20.4	6.8746	1.8213	-0.0013	8.6946	1.5041	0.416	-0.0177	1.9023
121	21.2	20.5	6.8728	1.8207	-0.0012	8.6922	1.5176	0.4173	-0.0179	1.9169
122	21.4	20.6	6.8713	1.8198	-0.0015	8.6896	1.5283	0.4133	-0.0181	1.9235
123	21.4	20.7	6.8699	1.8198	-0.0017	8.688	1.5256	0.4179	-0.0206	1.923
124	20.9	20.9	6.8678	1.8193	-0.0019	8.6852	1.5225	0.4167	-0.0227	1.9165
125	20.9	21	6.8667	1.8185	-0.0019	8.6833	1.531	0.4069	-0.0206	1.9173
126	20.7	21.1	6.8664	1.817	-0.0019	8.6815	1.5473	0.4	-0.0186	1.9288
127	20.6	21.1	6.8664	1.8159	-0.0018	8.6804	1.5578	0.3924	-0.0173	1.933
128	20.9	21.2	6.8656	1.8146	-0.0017	8.6785	1.5665	0.3847	-0.0161	1.9352
129	21.4	21.3	6.8642	1.8136	-0.0013	8.6765	1.586	0.3838	-0.0145	1.9553
130	21.6	21.4	6.8626	1.8125	-0.0006	8.6745	1.59	0.381	-0.0138	1.9572
131	21.3	21.5	6.8609	1.8116	-0.0003	8.6722	1.6101	0.3945	-0.0149	1.9897
132	22.3	21.5	6.8597	1.8109	-0.0001	8.6704	1.633	0.4136	-0.0139	2.0327
133	23	21.7	6.8588	1.8111	0.0001	8.67	1.6624	0.4179	-0.0175	2.0627
134	21	21.8	6.8576	1.811	0.0002	8.6688	1.6928	0.4196	-0.017	2.0954
135	21.1	21.9	6.8557	1.8106	0.0002	8.6665	1.7024	0.4292	-0.0164	2.1153
136	21.6	22.1	6.8546	1.8107	0.0001	8.6654	1.7018	0.44	-0.0148	2.127
137	21.2	22.3	6.8525	1.8111	0.0002	8.6637	1.7128	0.4433	-0.0138	2.1424
138	22	22.5	6.8499	1.8122	0.0002	8.6622	1.7241	0.4391	-0.0129	2.1503
139	21.8	22.7	6.8467	1.8117	0	8.6584	1.7388	0.4428	-0.0137	2.1678

140	23.8	22.9	6.8444	1.8115	-0.0006	8.6553	1.7421	0.447	-0.0143	2.1749
141	21.7	23.3	6.842	1.8109	-0.0007	8.6522	1.7377	0.4497	-0.0151	2.1723
142	24	23.5	6.8389	1.8101	-0.0007	8.6483	1.7481	0.4459	-0.0167	2.1773
143	23.8	23.7	6.8374	1.809	-0.0008	8.6456	1.7629	0.444	-0.0208	2.1862
144	23.1	24	6.8361	1.8081	-0.0007	8.6435	1.7667	0.4503	-0.0213	2.1958
145	23.2	24.3	6.8346	1.8072	-0.0006	8.6412	1.7898	0.4476	-0.0205	2.2169
146	25	24.5	6.833	1.8061	-0.0004	8.6387	1.8156	0.4542	-0.0183	2.2515
147	24.9	24.8	6.8313	1.8053	-0.0002	8.6363	1.8577	0.4561	-0.0168	2.2971
148	25.9	25	6.8294	1.8052	0.0003	8.6348	1.8857	0.4551	-0.0157	2.325
149	25.5	25.3	6.828	1.8051	0.0007	8.6337	1.8983	0.4608	-0.0154	2.3437
150	28.8	25.4	6.8272	1.8043	0.0007	8.6322	1.9293	0.4657	-0.0183	2.3767
151	25.4	25.6	6.8247	1.8044	0.001	8.6302	1.957	0.4767	-0.0226	2.4111
152	26.2	25.6	6.8239	1.8044	0.0001	8.6283	1.9776	0.4797	-0.0284	2.4288
153	27.4	25.6	6.8206	1.8047	0.0003	8.6256	2.0032	0.4822	-0.0347	2.4508
154	26.6	25.7	6.8181	1.805	-0.0001	8.623	2.0171	0.4836	-0.0355	2.4652
155	26.2	25.8	6.8148	1.805	-0.0003	8.6195	2.034	0.4881	-0.0406	2.4815
156	26.4	25.8	6.8132	1.8047	-0.0005	8.6174	2.0445	0.4826	-0.0444	2.4827
157	26	25.8	6.8118	1.805	-0.0007	8.6162	2.0609	0.4813	-0.043	2.4993
158	26.3	25.8	6.8093	1.8049	-0.0008	8.6134	2.0871	0.4829	-0.0386	2.5314
159	27	25.9	6.8074	1.8049	-0.0006	8.6116	2.12	0.4852	-0.0341	2.5711
160	24.5	25.7	6.8048	1.8049	-0.0005	8.6092	2.1538	0.4842	-0.0353	2.6027
161	23.8	25.6	6.8025	1.8038	-0.0007	8.6056	2.183	0.4815	-0.0348	2.6296
162	24.6	25.5	6.8013	1.8028	-0.0002	8.6039	2.2158	0.4758	-0.0323	2.6593
163	24.9	25.4	6.7979	1.8013	-0.0006	8.5986	2.2179	0.5	-0.0319	2.686
164	24.8	25.3	6.7963	1.801	-0.0006	8.5967	2.2396	0.4992	-0.0292	2.7096
165	25.6	25.2	6.794	1.8009	-0.0006	8.5942	2.2415	0.5165	-0.0263	2.7316
166	25.2	25	6.7914	1.7998	-0.0008	8.5904	2.263	0.5198	-0.0273	2.7555
167	25.5	25	6.7891	1.7985	-0.0009	8.5867	2.3084	0.52	-0.0286	2.7998
168	26.7	25	6.7867	1.7979	-0.0007	8.5839	2.3426	0.5274	-0.0343	2.8358
169	24.6	24.9	6.7855	1.7972	-0.0005	8.5822	2.3722	0.5294	-0.0315	2.8701
170	23.4	25	6.7837	1.7968	-0.0006	8.5799	2.3845	0.5334	-0.0321	2.8858
171	25.2	25.2	6.7821	1.7963	-0.0004	8.578	2.398	0.5294	-0.0311	2.8963
172	25.3	25.3	6.7818	1.7959	-0.0002	8.5775	2.4224	0.5265	-0.0349	2.914
173	24.5	25.3	6.7816	1.7953	0	8.5769	2.4419	0.5202	-0.0366	2.9255
174	24.1	25.5	6.7805	1.7952	-0.0001	8.5755	2.47	0.5245	-0.0408	2.9538
175	23.9	25.5	6.7789	1.7952	-0.0001	8.5739	2.476	0.5265	-0.0421	2.9605
176	24.5	25.5	6.7775	1.7951	-0.0002	8.5723	2.5025	0.5281	-0.0465	2.9841

177	26.2	25.6	6.7761	1.7948	-0.0001	8.5708	2.5341	0.5262	-0.049	3.0113
178	25.7	25.7	6.7737	1.7944	-0.0002	8.5679	2.5606	0.5246	-0.0511	3.0341
179	26.4	25.8	6.7721	1.7938	-0.0002	8.5657	2.5896	0.5213	-0.0501	3.0608
180	27.1	26	6.7697	1.7923	-0.0001	8.5618	2.6195	0.5129	-0.0447	3.0878
181	26.2	26.2	6.767	1.7909	-0.0002	8.5578	2.6324	0.5086	-0.0362	3.1048
182	26	26.3	6.7637	1.7908	0.0003	8.5548	2.6589	0.5144	-0.0312	3.142
183	27.3	26.6	6.7604	1.7906	0.0004	8.5514	2.6826	0.515	-0.0303	3.1673
184	26.4	26.8	6.7586	1.7897	0.0003	8.5487	2.7187	0.5242	-0.0287	3.2141
185	25.8	27	6.757	1.7891	0.0001	8.5462	2.7466	0.5336	-0.0291	3.2511
186	27.2	27.2	6.7547	1.7886	0	8.5434	2.7835	0.5424	-0.0261	3.2998
187	27.9	27.3	6.7525	1.7891	0.0002	8.5418	2.8145	0.5517	-0.0248	3.3413
188	27.4	27.4	6.7504	1.7889	0.0003	8.5395	2.8275	0.5678	-0.0236	3.3718
189	27.6	27.4	6.7479	1.7879	0.0002	8.536	2.8313	0.5974	-0.024	3.4048
190	27.9	27.5	6.746	1.7882	0.0002	8.5344	2.8342	0.6009	-0.0262	3.4089
191	27.4	27.8	6.7423	1.7884	0.0002	8.531	2.8437	0.6075	-0.0327	3.4185
192	30.1	27.9	6.7387	1.7882	0.0004	8.5273	2.8547	0.6128	-0.034	3.4335
193	28.9	28	6.7366	1.7872	0.0006	8.5244	2.8687	0.6061	-0.0379	3.4369
194	27.3	28.2	6.7326	1.7869	0.0006	8.5202	2.8974	0.6048	-0.0463	3.456
195	28.3	28.4	6.7289	1.7857	0.0005	8.5151	2.9169	0.602	-0.0536	3.4654
196	27.9	28.6	6.7242	1.7846	0.0005	8.5093	2.9473	0.6075	-0.0608	3.494
197	27.3	28.7	6.7204	1.7834	0.0005	8.5043	2.9716	0.6031	-0.0674	3.5074
198	27.3	29.1	6.7171	1.7822	0.0006	8.5	2.9786	0.606	-0.0677	3.5169
199	29	29.5	6.7135	1.781	0.0009	8.4954	2.9891	0.614	-0.062	3.5412
200	30.4	29.9	6.7092	1.7803	0.0013	8.4909	2.993	0.6263	-0.0541	3.5652
201	28.2	30.4	6.7059	1.7798	0.0018	8.4874	3.012	0.6253	-0.052	3.5853
202	30.6	31	6.7015	1.7794	0.0022	8.4831	3.0126	0.6391	-0.0471	3.6046
203	30	31.8	6.6985	1.7789	0.0022	8.4796	3.0499	0.6459	-0.0519	3.6439
204	29.7	32.7	6.6951	1.7789	0.0025	8.4764	3.0534	0.6694	-0.0476	3.6752
205	30.2	33.5	6.6926	1.779	0.0027	8.4744	3.0963	0.6739	-0.0503	3.7198
206	30.6	34.3	6.689	1.7788	0.0028	8.4705	3.1216	0.7034	-0.0534	3.7716
207	33.4	35.4	6.6844	1.7787	0.0025	8.4656	3.1283	0.7175	-0.0629	3.7829
208	35.6	36.5	6.6787	1.7788	0.0024	8.4599	3.1442	0.7396	-0.0686	3.8152
209	36.1	37.5	6.6742	1.7785	0.0023	8.455	3.1727	0.7202	-0.071	3.8219
210	37.5	38.4	6.6692	1.7789	0.0022	8.4503	3.1846	0.7212	-0.0693	3.8364
211	40.3	39.3	6.6646	1.779	0.0021	8.4456	3.1834	0.7268	-0.0675	3.8427
212	45.2	40.2	6.6623	1.7766	0.002	8.4409	3.1966	0.7284	-0.0672	3.8578
213	43.5	41	6.6582	1.7763	0.0018	8.4363	3.2293	0.7319	-0.061	3.9003

214	43.7	41.9	6.656	1.7739	0.0015	8.4314	3.2274	0.7204	-0.067	3.8808
215	43.9	42.9	6.653	1.7726	0.0013	8.4269	3.2515	0.7219	-0.0693	3.9041
216	46.6	43.7	6.6488	1.7718	0.0013	8.4219	3.2525	0.7382	-0.0691	3.9216
217	48.2	44.4	6.645	1.7704	0.0015	8.4169	3.2605	0.7597	-0.0749	3.9453
218	48.9	45	6.6408	1.7694	0.0016	8.4118	3.2811	0.7529	-0.0777	3.9563
219	46.8	45.7	6.6368	1.7686	0.0018	8.4073	3.2996	0.7604	-0.0758	3.9842
220	45.5	46.4	6.6348	1.7684	0.0018	8.405	3.3248	0.7601	-0.0728	4.0122
221	47.6	47	6.6305	1.7681	0.0022	8.4008	3.3467	0.7641	-0.0749	4.0359
222	46.5	47.1	6.6271	1.7678	0.0022	8.397	3.3773	0.7677	-0.0749	4.0701
223	45.9	47.6	6.6229	1.7673	0.0024	8.3926	3.416	0.7746	-0.0748	4.1158
224	48.4	48	6.6202	1.7666	0.0024	8.3892	3.4558	0.7765	-0.0736	4.1587
225	46.3	48.4	6.6164	1.7657	0.0027	8.3849	3.5007	0.7789	-0.0805	4.1991
226	47.2	48.5	6.613	1.7644	0.003	8.3804	3.5318	0.7827	-0.0859	4.2286
227	47.1	48.6	6.6103	1.7634	0.0033	8.377	3.568	0.7929	-0.0852	4.2757
228	49.8	48.6	6.6066	1.7625	0.0033	8.3724	3.6091	0.8011	-0.0844	4.3259
229	50.9	48.8	6.6022	1.7623	0.0031	8.3677	3.6144	0.8036	-0.0875	4.3305
230	50.6	49.1	6.5993	1.7617	0.003	8.364	3.6485	0.7993	-0.0875	4.3603
231	48	49.3	6.595	1.7602	0.0028	8.358	3.681	0.7867	-0.0872	4.3805
232	52	49.5	6.5914	1.7594	0.0029	8.3537	3.7083	0.7779	-0.0855	4.4008
233	52.2	49.8	6.5869	1.7586	0.003	8.3486	3.7305	0.7766	-0.0794	4.4277
234	50.7	49.9	6.583	1.7576	0.0032	8.3437	3.7579	0.781	-0.0752	4.4638
235	49.1	50.2	6.5774	1.7564	0.0028	8.3365	3.799	0.7804	-0.0723	4.5072
236	49.4	50.4	6.5731	1.7555	0.0026	8.3312	3.8444	0.7839	-0.07	4.5582
237	49.7	50.7	6.5697	1.7543	0.0026	8.3266	3.8741	0.7923	-0.0695	4.5968
238	50.2	50.9	6.5667	1.7525	0.0026	8.3218	3.911	0.8145	-0.0722	4.6533
239	50.7	50.9	6.5633	1.7516	0.0026	8.3175	3.9587	0.8197	-0.0724	4.706
240	52.3	50.9	6.56	1.7508	0.0027	8.3135	3.9773	0.8276	-0.0773	4.7276
241	50.2	51.1	6.5566	1.7496	0.0027	8.3089	4.0141	0.8339	-0.0819	4.7661
242	51.4	51	6.5521	1.7495	0.003	8.3046	4.0319	0.8428	-0.0847	4.79
243	50.1	51.2	6.5476	1.7486	0.0038	8.3	4.0485	0.8547	-0.084	4.8192
244	52.2	51.4	6.5444	1.7479	0.0047	8.2969	4.0859	0.8604	-0.0891	4.8572
245	51.7	51.7	6.5399	1.7465	0.0055	8.2918	4.1068	0.863	-0.0931	4.8766
246	52.6	51.9	6.5358	1.7458	0.0064	8.2879	4.117	0.8505	-0.095	4.8726
247	53.1	52.1	6.5334	1.7447	0.0065	8.2847	4.132	0.8479	-0.0939	4.886
248	51.6	52.3	6.5305	1.7438	0.0065	8.2807	4.1375	0.8342	-0.0908	4.8809
249	50.5	52.6	6.5287	1.7424	0.0061	8.2772	4.1599	0.8223	-0.0887	4.8936
250	50.2	52.9	6.526	1.7418	0.0059	8.2737	4.1802	0.8147	-0.0919	4.9031

251	51.6	53.3	6.5234	1.7405	0.0057	8.2697	4.192	0.8271	-0.092	4.9271
252	55.6	53.6	6.5189	1.7398	0.0053	8.264	4.206	0.8357	-0.0946	4.9471
253	54.5	53.9	6.5153	1.7378	0.0051	8.2581	4.22	0.845	-0.0887	4.9763
254	54.6	54	6.5085	1.7376	0.0049	8.251	4.2493	0.8615	-0.0885	5.0223
255	52.4	54.2	6.5026	1.7347	0.005	8.2423	4.2744	0.8795	-0.0889	5.0649
256	53.3	54.5	6.5004	1.733	0.0058	8.2391	4.2895	0.9042	-0.0896	5.104
257	54.3	54.8	6.4974	1.731	0.0062	8.2346	4.3114	0.9186	-0.0902	5.1399
258	56.1	55.4	6.492	1.7328	0.0063	8.2312	4.331	0.9275	-0.0894	5.1691
259	58.4	55.8	6.4889	1.7328	0.0063	8.228	4.3193	0.9525	-0.0854	5.1864
260	58.4	56.2	6.4865	1.7322	0.0062	8.2249	4.3249	0.9681	-0.0807	5.2123
261	57.8	56.5	6.4828	1.731	0.0061	8.2198	4.3567	0.9968	-0.0813	5.2722
262	54.5	56.6	6.4784	1.7296	0.0059	8.2139	4.3928	0.9936	-0.1052	5.2812
263	54.3	56.9	6.4751	1.7293	0.0061	8.2105	4.4112	0.9749	-0.1079	5.2782
264	55.1	57.3	6.4711	1.7289	0.0063	8.2063	4.4203	0.99	-0.1161	5.2943
265	58.2	57.6	6.4687	1.727	0.0063	8.2021	4.4306	1.0104	-0.1257	5.3154
266	60.4	58.1	6.4654	1.7238	0.0067	8.1959	4.4529	1.0244	-0.1287	5.3486
267	62	58.6	6.461	1.7232	0.0069	8.1911	4.4588	1.0286	-0.1321	5.3552
268	58	58.8	6.4568	1.7219	0.0068	8.1855	4.4778	1.0277	-0.1324	5.373
269	57.4	59.1	6.453	1.7212	0.0067	8.181	4.5309	1.0335	-0.1328	5.4316
270	57.3	59.5	6.449	1.7204	0.0069	8.1763	4.5598	1.0304	-0.1511	5.4391
271	58.8	59.7	6.4444	1.7196	0.0071	8.171	4.6116	1.0374	-0.1546	5.4944
272	59.8	60.2	6.4402	1.7184	0.0073	8.1659	4.6422	1.0453	-0.1516	5.5359
273	61.4	60.7	6.436	1.7177	0.0073	8.161	4.684	1.049	-0.1501	5.583
274	59.4	61.3	6.4304	1.7173	0.008	8.1556	4.6856	1.0572	-0.1506	5.5922
275	62.4	61.7	6.4257	1.7169	0.0084	8.1511	4.7279	1.0706	-0.1666	5.6319
276	63.1	62.2	6.4207	1.7158	0.0083	8.1448	4.7729	1.0855	-0.1632	5.6951
277	60.7	62.4	6.4152	1.7147	0.0083	8.1382	4.8054	1.1007	-0.1604	5.7457
278	63.1	62.7	6.4123	1.714	0.0085	8.1348	4.8445	1.1202	-0.1586	5.8061
279	65.7	62.9	6.4072	1.7139	0.0085	8.1297	4.8588	1.1367	-0.1596	5.8358
280	62.6	63.5	6.4016	1.7136	0.0086	8.1238	4.8825	1.1456	-0.1609	5.8671
281	63.2	63.8	6.3962	1.7132	0.0084	8.1177	4.9336	1.1537	-0.1633	5.9239
282	64.8	64.1	6.3907	1.7131	0.0083	8.112	4.9472	1.1401	-0.1681	5.9193
283	65.4	64.4	6.3846	1.7125	0.0079	8.1051	4.9812	1.1473	-0.169	5.9596
284	67.5	64.8	6.3787	1.7117	0.0076	8.0979	5.0136	1.1643	-0.167	6.0109
285	68.4	65.2	6.3726	1.7107	0.0071	8.0904	5.0422	1.1587	-0.1664	6.0345
286	65.9	65.6	6.3673	1.7094	0.007	8.0837	5.0562	1.1649	-0.1693	6.0518
287	63.6	65.9	6.3614	1.7077	0.0074	8.0765	5.0842	1.1931	-0.1703	6.107

288	63	66.1	6.3545	1.7069	0.0075	8.0689	5.1272	1.1899	-0.1732	6.144
289	67.8	66.3	6.3502	1.7051	0.0079	8.0632	5.1763	1.1841	-0.1779	6.1826
290	65.3	67	6.3446	1.7048	0.0084	8.0578	5.2267	1.1922	-0.183	6.2358
291	65.6	67.7	6.3391	1.7042	0.0087	8.0519	5.2637	1.197	-0.1855	6.2752
292	65.7	68.2	6.3338	1.7027	0.0088	8.0454	5.3126	1.1977	-0.1889	6.3213
293	67.8	68.6	6.328	1.7011	0.0095	8.0386	5.3465	1.2029	-0.1894	6.36
294	70	69	6.322	1.7006	0.01	8.0325	5.3676	1.1933	-0.1839	6.377
295	69.5	69.4	6.3172	1.7007	0.01	8.0279	5.4129	1.1886	-0.1791	6.4224
296	67.9	70.1	6.311	1.6999	0.0098	8.0207	5.4212	1.1861	-0.1764	6.4309
297	66.7	70.7	6.3066	1.7	0.0095	8.0162	5.448	1.1808	-0.1748	6.454
298	68.9	71.8	6.3012	1.7	0.0095	8.0106	5.5008	1.2045	-0.1762	6.5291
299	76.2	72.4	6.2955	1.6995	0.0101	8.0051	5.5565	1.1945	-0.1836	6.5675
300	75.7	73.3	6.29	1.6976	0.0105	7.9982	5.6249	1.1815	-0.1994	6.6071
301	75.5	74.1	6.2853	1.6962	0.0112	7.9927	5.6681	1.1776	-0.2066	6.6391
302	72.8	74.8	6.2795	1.6949	0.0111	7.9855	5.739	1.1703	-0.2131	6.6963
303	74.7	75.3	6.2735	1.6928	0.011	7.9773	5.7861	1.1764	-0.2208	6.7416
304	75.9	75.8	6.2676	1.6909	0.0114	7.9699	5.834	1.1616	-0.2239	6.7716
305	78.3	76.6	6.2637	1.6886	0.0117	7.964	5.8579	1.1748	-0.2268	6.8059
306	76.7	77.4	6.2578	1.687	0.0118	7.9565	5.8794	1.1605	-0.225	6.8148
307	82.5	78.3	6.2513	1.6859	0.0115	7.9487	5.9503	1.1636	-0.2181	6.8958
308	79.8	79.1	6.2467	1.6836	0.0109	7.9413	6.0383	1.1826	-0.2144	7.0066
309	81.8	79.5	6.2417	1.6817	0.0104	7.9338	6.0667	1.214	-0.2132	7.0675
310	81.2	80	6.2336	1.6792	0.0103	7.9231	6.1131	1.2508	-0.2142	7.1496
311	79.2	80.3	6.2253	1.6796	0.0126	7.9175	6.1747	1.2538	-0.2165	7.2119
312	77.6	80.6	6.2211	1.6792	0.0128	7.9131	6.2383	1.2542	-0.2193	7.2732
313	80	81.2	6.2162	1.6773	0.0134	7.9068	6.2752	1.2458	-0.2191	7.3019
314	83.5	81.7	6.2129	1.6729	0.014	7.8998	6.3104	1.2462	-0.2186	7.338
315	83.4	82	6.2077	1.6701	0.0142	7.892	6.3624	1.2497	-0.2185	7.3936
316	84.8	82.4	6.2029	1.669	0.0145	7.8864	6.4283	1.2486	-0.2209	7.456
317	83	82.6	6.1972	1.6677	0.0147	7.8796	6.4807	1.2285	-0.219	7.4902
318	84.2	83	6.1877	1.666	0.0149	7.8686	6.5454	1.2326	-0.2264	7.5516
319	85.1	83.3	6.1809	1.6656	0.0169	7.8633	6.5818	1.2626	-0.2314	7.6131
320	80.4	83.7	6.1736	1.6646	0.0173	7.8555	6.6083	1.2829	-0.2326	7.6587
321	80.2	84.1	6.1663	1.6635	0.0174	7.8472	6.6488	1.2955	-0.2331	7.7112
322	86.2	84.7	6.1587	1.6629	0.0172	7.8387	6.7012	1.3042	-0.2332	7.7722
323	84.3	85.4	6.1544	1.6616	0.0175	7.8334	6.732	1.331	-0.2387	7.8243
324	84.6	85.9	6.1474	1.6596	0.019	7.826	6.7894	1.3488	-0.2389	7.8993

325	83.2	86.5	6.1391	1.6571	0.0191	7.8153	6.8309	1.3712	-0.2383	7.9637
326	87.3	87	6.1324	1.6543	0.019	7.8058	6.9035	1.3876	-0.239	8.052
327	87.2	87.6	6.1258	1.6514	0.0191	7.7964	6.9559	1.3882	-0.2429	8.1012
328	86.9	88.3	6.1207	1.6488	0.0193	7.7888	7.0018	1.3872	-0.2446	8.1445
329	89.2	89	6.114	1.6478	0.0192	7.781	7.0945	1.394	-0.2436	8.2448
330	87.7	89.9	6.106	1.6463	0.0194	7.7716	7.1478	1.4117	-0.2451	8.3145
331	88.2	90.9	6.1003	1.6462	0.0196	7.7661	7.1829	1.4292	-0.2473	8.3648
332	92.5	91.6	6.0933	1.6447	0.0198	7.7578	7.2165	1.4464	-0.2485	8.4144
333	94.7	92.4	6.0856	1.6422	0.0197	7.7475	7.2658	1.4619	-0.2504	8.4772
334	93.3	93.3	6.0788	1.6417	0.0198	7.7403	7.2848	1.4783	-0.253	8.5101
335	95.7	94.4	6.0717	1.6399	0.0197	7.7313	7.3234	1.4834	-0.2579	8.5489
336	94.1	95.1	6.0647	1.6362	0.0196	7.7205	7.363	1.4847	-0.2656	8.5821
337	96.5	95.7	6.057	1.6353	0.0199	7.7122	7.3993	1.4862	-0.2685	8.617
338	98.5	96.4	6.0491	1.634	0.0204	7.7035	7.4511	1.4835	-0.2612	8.6733
339	97.5	97	6.0406	1.6324	0.0209	7.694	7.4889	1.4932	-0.2584	8.7238
340	99.1	97.7	6.0336	1.6311	0.0212	7.686	7.5532	1.4972	-0.2549	8.7956
341	99.8	98.5	6.0253	1.6298	0.0216	7.6767	7.6066	1.5138	-0.2569	8.8635
342	100	99.1	6.0174	1.6292	0.022	7.6686	7.6751	1.5275	-0.2587	8.9439
343	101	99.7	6.0109	1.6292	0.0222	7.6623	7.7111	1.536	-0.2627	8.9844
344	103	101	6.0031	1.6291	0.0226	7.6547	7.7805	1.5352	-0.2692	9.0466
345	102	101	5.9978	1.6279	0.0231	7.6488	7.8516	1.5361	-0.2791	9.1087
346	99.2	102	5.991	1.6277	0.0238	7.6425	7.8843	1.5729	-0.2903	9.1668
347	99.8	102	5.9833	1.6243	0.0242	7.6318	7.9196	1.5796	-0.2971	9.2022
348	101	103	5.9748	1.6243	0.0248	7.624	7.9646	1.5963	-0.3021	9.2587
349	99.9	103	5.9662	1.6243	0.026	7.6165	8.0018	1.6062	-0.3003	9.3077
350	103	104	5.9592	1.624	0.0266	7.6098	8.0351	1.6223	-0.2976	9.3597
351	104	104	5.9495	1.6235	0.0271	7.6001	8.0989	1.6277	-0.3027	9.4239
352	107	105	5.9403	1.6222	0.0274	7.5898	8.1543	1.6307	-0.3001	9.4849
353	109	105	5.9319	1.6216	0.0275	7.581	8.1972	1.6338	-0.3046	9.5265
354	105	106	5.9227	1.6202	0.0276	7.5704	8.2355	1.6338	-0.3082	9.5612
355	108	106	5.9147	1.6187	0.0275	7.5608	8.2952	1.6241	-0.3077	9.6116
356	103	107	5.9054	1.6166	0.0276	7.5496	8.3592	1.6176	-0.3178	9.6591
357	111	108	5.8936	1.6128	0.0276	7.534	8.3916	1.6081	-0.3153	9.6844
358	110	109	5.8854	1.6114	0.0276	7.5244	8.4235	1.6052	-0.3185	9.7102
359	108	110	5.8776	1.6077	0.0277	7.513	8.4609	1.5982	-0.326	9.7331
360	110	111	5.869	1.6068	0.0279	7.5037	8.5193	1.6086	-0.3354	9.7925
361	107	112	5.859	1.6055	0.028	7.4925	8.5261	1.6119	-0.3384	9.7997

362	110	113	5.8509	1.605	0.0278	7.4837	8.5261	1.6382	-0.3182	9.8461
363	114	113	5.8441	1.6046	0.0279	7.4767	8.5746	1.6532	-0.3162	9.9117
364	111	115	5.8349	1.6039	0.0281	7.4669	8.6101	1.6437	-0.3114	9.9424
365	115	116	5.8259	1.6022	0.0284	7.4565	8.6797	1.6139	-0.3087	9.9849
366	114	117	5.8173	1.6009	0.0286	7.4469	8.7278	1.607	-0.3117	10.023
367	118	119	5.8064	1.5999	0.0295	7.4359	8.758	1.6102	-0.3111	10.0571
368	122	120	5.7986	1.5956	0.03	7.4242	8.7862	1.6263	-0.3078	10.1047
369	117	121	5.7922	1.5929	0.03	7.4151	8.7775	1.6197	-0.3045	10.0927
370	123	123	5.7842	1.5908	0.0302	7.4052	8.8404	1.6263	-0.2847	10.1819
371	126	124	5.7742	1.5891	0.0304	7.3938	8.8608	1.6302	-0.2903	10.2006
372	121	126	5.767	1.5853	0.0312	7.3835	8.9122	1.6343	-0.2972	10.2493
373	130	129	5.7571	1.5828	0.0312	7.3711	8.9491	1.6388	-0.3079	10.28
374	132	131	5.7473	1.5801	0.0318	7.3593	9.0209	1.6329	-0.337	10.3169
375	131	133	5.7354	1.5781	0.0323	7.3459	9.0456	1.6159	-0.326	10.3355
376	131	135	5.7251	1.577	0.0326	7.3346	9.0531	1.597	-0.3329	10.3173
377	134	137	5.715	1.5759	0.0328	7.3237	9.0649	1.5898	-0.3402	10.3146
378	136	139	5.7028	1.5746	0.0329	7.3104	9.0859	1.5683	-0.3395	10.3147
379	138	141	5.6925	1.5727	0.033	7.2982	9.1318	1.5561	-0.3388	10.349
380	138	142	5.6833	1.5707	0.0333	7.2873	9.1844	1.5683	-0.3387	10.414
381	147	144	5.6745	1.5685	0.0332	7.2763	9.2029	1.5735	-0.3421	10.4343
382	158	146	5.6641	1.5669	0.0333	7.2643	9.2569	1.5799	-0.3528	10.4841
383	152	148	5.6561	1.5647	0.0332	7.254	9.2735	1.5825	-0.356	10.5
384	153	149	5.6463	1.5633	0.0334	7.2431	9.2991	1.57	-0.3614	10.5077
385	152	150	5.6363	1.5622	0.0337	7.2322	9.3319	1.5855	-0.3698	10.5476
386	156	151	5.6273	1.5608	0.0338	7.222	9.2773	1.667	-0.387	10.5572
387	157	152	5.6163	1.5593	0.0335	7.2091	9.2607	1.7006	-0.3913	10.57
388	156	153	5.6056	1.5576	0.0334	7.1965	9.2563	1.801	-0.3902	10.6671
389	157	154	5.5949	1.5554	0.0334	7.1837	9.1251	1.9652	-0.3841	10.7062
390	159	155	5.5839	1.5534	0.0341	7.1714	9.0206	1.9836	-0.3787	10.6255
391	161	155	5.5716	1.5514	0.0345	7.1576	9.1418	1.8724	-0.3768	10.6374
392	163	155	5.5627	1.5491	0.0351	7.1469	9.0654	1.964	-0.3739	10.6556
393	149	155	5.55	1.5476	0.0364	7.134	8.8569	2.2042	-0.3683	10.6928
394	151	155	5.5368	1.547	0.0379	7.1216	8.6024	2.4884	-0.3671	10.7237
395	156	155	5.5288	1.5434	0.039	7.1112	9.0386	2.1144	-0.3658	10.7872
396	154	155	5.5191	1.5419	0.0395	7.1005	9.2356	1.9492	-0.3699	10.8149
397	156	155	5.5102	1.5404	0.0397	7.0903	9.3523	1.8631	-0.3631	10.8523
398	154	155	5.501	1.5393	0.0395	7.0798	9.2465	1.9678	-0.3624	10.8519

399	147	155	5.492	1.5373	0.0399	7.0692	9.2135	2.0643	-0.3578	10.9199
400	150	155	5.4802	1.5348	0.0408	7.0558	9.5633	1.7668	-0.3464	10.9837
401	156	155	5.4699	1.5331	0.0413	7.0442	9.3874	1.9253	-0.3408	10.9719
402	155	155	5.4598	1.5315	0.0415	7.0329	9.107	2.1936	-0.3361	10.9645
403	158	155	5.45	1.5294	0.0418	7.0212	8.8995	2.4034	-0.3373	10.9656
404	155	155	5.4381	1.5285	0.0421	7.0088	8.7327	2.6223	-0.337	11.018
405	154	155	5.4278	1.5268	0.0435	6.9981	8.8253	2.4473	-0.3381	10.9345
406	154	155	5.4187	1.5261	0.0433	6.9881	8.8651	2.4742	-0.3642	10.9752
407	160	155	5.409	1.5254	0.0433	6.9777	8.7021	2.6742	-0.3892	10.9871
408	159	155	5.4007	1.5237	0.0435	6.9679	8.6381	2.682	-0.3921	10.928
409	160	155	5.3897	1.5209	0.0439	6.9546	8.6436	2.6158	-0.398	10.8614
410	162	155	5.381	1.518	0.0442	6.9431	8.643	2.6788	-0.4026	10.9192
411	158	155	5.3727	1.5158	0.0444	6.9329	8.5901	2.7216	-0.4021	10.9096
412	155	154	5.3637	1.5138	0.0444	6.9219	8.4196	2.8719	-0.4017	10.8898
413	153	154	5.3552	1.5129	0.0445	6.9126	8.3791	2.909	-0.403	10.8851
414	155	153	5.3449	1.5115	0.0449	6.9013	8.4268	2.8696	-0.4016	10.8947
415	151	153	5.3349	1.5094	0.0454	6.8897	8.2169	3.1172	-0.4014	10.9327
416	148	153	5.3271	1.508	0.0456	6.8807	7.9274	3.4228	-0.3969	10.9534
417	150	152	5.3186	1.505	0.0455	6.8691	7.8549	3.508	-0.3928	10.9701
418	151	151	5.3099	1.5041	0.0453	6.8593	7.7941	3.5735	-0.3861	10.9815
419	154	151	5.2968	1.5029	0.0454	6.8451	7.5708	3.7491	-0.3843	10.9356
420	149	150	5.2875	1.5016	0.0463	6.8355	7.4976	3.8557	-0.3853	10.968
421	142	149	5.2751	1.5001	0.0471	6.8223	7.6162	3.7622	-0.3902	10.9881
422	149	149	5.2638	1.499	0.048	6.8107	7.6824	3.7281	-0.3944	11.0161
423	151	149	5.2523	1.4983	0.0512	6.8017	7.7348	3.6222	-0.3884	10.9686
424	149	149	5.2428	1.498	0.0516	6.7925	7.424	3.9759	-0.4035	10.9964
425	146	148	5.2338	1.4974	0.0524	6.7836	7.3283	4.0649	-0.4208	10.9724
426	146	148	5.2259	1.4953	0.0531	6.7743	7.4135	3.9728	-0.4408	10.9454
427	147	149	5.2173	1.4945	0.0531	6.7649	7.2509	4.1821	-0.4478	10.9853
428	148	149	5.2075	1.4932	0.0531	6.7539	7.1552	4.2032	-0.4498	10.9086
429	147	148	5.1955	1.4909	0.0531	6.7396	7.8148	3.5413	-0.4547	10.9014
430	150	148	5.1857	1.4889	0.0536	6.7282	7.7743	3.5628	-0.4555	10.8816
431	155	149	5.1746	1.4882	0.0549	6.7177	7.7168	3.6152	-0.4545	10.8775
432	144	149	5.166	1.4864	0.0554	6.7078	7.913	3.4029	-0.4565	10.8595
433	150	149	5.1557	1.4852	0.0558	6.6967	7.6448	3.6632	-0.4611	10.8469
434	147	149	5.1456	1.4832	0.0568	6.6855	7.3925	3.9706	-0.4627	10.9005
435	148	150	5.144	1.4732	0.0584	6.6756	7.7299	3.5944	-0.464	10.8603

436	152	150	5.1386	1.4662	0.0588	6.6635	7.9265	3.3562	-0.467	10.8157
437	151	150	5.1313	1.4552	0.0589	6.6455	7.6225	3.744	-0.4746	10.8919
438	151	150	5.1366	1.4375	0.0588	6.6329	7.432	3.8576	-0.483	10.8067
439	148	150	5.1385	1.434	0.0588	6.6314	7.7304	3.5398	-0.4885	10.7817
440	144	150	5.1195	1.4439	0.0589	6.6222	7.4177	3.8411	-0.4868	10.7719
441	152	150	5.1188	1.4334	0.059	6.6112	7.1949	4.0159	-0.4749	10.736
442	159	150	5.1317	1.4088	0.0588	6.5993	6.8571	4.3335	-0.4666	10.7239
443	152	150	5.1507	1.3804	0.0589	6.5899	6.7626	4.4453	-0.4598	10.7481
444	157	150	5.0992	1.4176	0.0591	6.576	6.4373	4.7399	-0.4425	10.7347
445	145	150	5.0742	1.4329	0.0601	6.5673	5.9527	5.2756	-0.4263	10.802
446	151	150	5.0558	1.4414	0.0601	6.5573	5.7977	5.3807	-0.4175	10.7609
447	155	150	5.0587	1.4275	0.0604	6.5466	5.6245	5.5023	-0.4119	10.7149
448	149	150	5.0535	1.4179	0.0606	6.532	5.9315	5.28	-0.414	10.7975
449	146	150	5.0098	1.4476	0.0607	6.5181	5.5444	5.6536	-0.4147	10.7833
450	150	150	5.0205	1.4315	0.0606	6.5126	5.2869	5.8232	-0.4152	10.6949
451	146	149	5.0388	1.4041	0.0607	6.5036	5.2504	5.8029	-0.4067	10.6466
452	150	149	5.0503	1.3818	0.0611	6.4932	5.1821	5.8618	-0.4014	10.6425
453	149	148	5.0586	1.3594	0.0612	6.4792	4.9953	6.0519	-0.3977	10.6496
454	145	148	5.0402	1.3754	0.0614	6.477	4.9993	6.0132	-0.3924	10.6202
455	145	148	5.0282	1.3712	0.0639	6.4633	5.257	5.7317	-0.3907	10.5979
456	149	148	5.0351	1.3492	0.0665	6.4508	5.4506	5.5168	-0.3792	10.5882
457	152	148	5.0298	1.3446	0.0668	6.4412	5.2908	5.6826	-0.3847	10.5887
458	149	148	5.021	1.3499	0.0674	6.4383	5.412	5.5526	-0.3907	10.574
459	146	148	5.0133	1.3398	0.068	6.4211	6.291	4.8685	-0.3913	10.7682
460	143	148	5.01	1.3346	0.0681	6.4128	6.5531	4.38	-0.4045	10.5286
461	145	148	5.017	1.3183	0.0682	6.4035	6.7055	3.9435	-0.4072	10.2418
462	144	148	5.013	1.3141	0.0681	6.3952	7.2209	3.6772	-0.4047	10.4934
463	150	148	5.0014	1.3177	0.0681	6.3872	6.9208	3.9957	-0.3999	10.5166
464	155	148	5.0132	1.2922	0.0683	6.3736	6.7925	4.1198	-0.3966	10.5156
465	151	148	5.0331	1.2599	0.0681	6.3611	6.6069	4.2659	-0.393	10.4799
466	146	148	5.0318	1.2502	0.0679	6.3499	6.7044	4.1258	-0.3877	10.4426
467	148	149	5.027	1.2426	0.0681	6.3378	6.8716	3.977	-0.3873	10.4614
468	147	148	5.0415	1.2207	0.0684	6.3307	6.9399	3.9128	-0.388	10.4647
469	150	149	5.0425	1.2073	0.0685	6.3183	6.9142	3.9357	-0.3897	10.4602
470	147	149	5.0225	1.2146	0.0692	6.3064	7.2106	3.4657	-0.3909	10.2854
471	149	149	5.006	1.2163	0.0699	6.2922	7.414	3.3824	-0.389	10.4075
472	146	149	4.9935	1.2231	0.07	6.2866	7.2278	3.5791	-0.3969	10.41

473	151	149	5.0147	1.1852	0.0716	6.2715	7.0706	3.6816	-0.3888	10.3634
474	148	148	5.0145	1.1737	0.0739	6.262	7.0016	3.7501	-0.357	10.3947
475	153	147	4.994	1.1809	0.0764	6.2513	6.8621	3.8817	-0.3545	10.3893
476	154	147	5	1.1587	0.0774	6.2361	6.8183	3.9206	-0.348	10.3909
477	149	147	4.9995	1.1556	0.0777	6.2329	6.7844	3.9664	-0.3478	10.4029
478	148	147	4.9214	1.2205	0.0783	6.2202	6.6995	4.066	-0.3571	10.4083
479	147	147	4.915	1.2165	0.0786	6.2101	6.5934	4.1926	-0.3593	10.4267
480	149	147	4.9116	1.2091	0.0788	6.1995	6.4789	4.234	-0.3663	10.3466
481	149	147	4.8832	1.2282	0.0789	6.1903	6.6529	4.0939	-0.3633	10.3835
482	140	147	4.8996	1.2006	0.0794	6.1796	6.5653	4.1407	-0.3536	10.3523
483	141	147	4.9169	1.1676	0.0795	6.164	6.5712	4.1232	-0.35	10.3444
484	140	147	4.8734	1.2039	0.0798	6.157	6.7683	3.9404	-0.3447	10.364
485	145	146	4.8436	1.2266	0.0804	6.1506	6.799	3.848	-0.3362	10.3107
486	149	146	4.8651	1.1864	0.0813	6.1328	6.9816	3.6572	-0.32	10.3188
487	144	146	4.8731	1.1735	0.0818	6.1285	7.1418	3.4758	-0.3163	10.3013
488	149	146	4.8326	1.2036	0.0822	6.1183	7.1013	3.4153	-0.316	10.2006
489	145	146	4.8531	1.1713	0.0821	6.1065	7.3621	3.1313	-0.3162	10.1772
490	146	146	4.8644	1.1518	0.0816	6.0978	7.5624	3.0186	-0.319	10.262
491	148	146	4.8859	1.1181	0.0812	6.0852	7.4971	3.0921	-0.3278	10.2615
492	145	147	4.8865	1.1046	0.0811	6.0721	7.4866	3.0823	-0.3275	10.2414
493	146	147	4.9062	1.0736	0.0807	6.0605	7.6345	2.8798	-0.3297	10.1847
494	148	148	4.9415	1.0194	0.0805	6.0414	7.9525	2.6041	-0.3277	10.229
495	145	147	4.949	1.0053	0.0808	6.0351	7.5417	2.988	-0.3352	10.1946
496	153	147	4.9566	0.9917	0.0807	6.029	7.2775	3.2296	-0.3364	10.1707
497	145	147	4.917	1.0124	0.0811	6.0105	7.1743	3.3316	-0.3399	10.166
498	154	147	4.9465	0.974	0.081	6.0015	7.4609	3.0446	-0.3352	10.1703
499	144	147	4.9633	0.955	0.0814	5.9997	7.6994	2.7243	-0.329	10.0947
500	148	146	4.9551	0.9546	0.0815	5.9912	7.2317	3.1504	-0.3237	10.0583
501	149	146	4.9516	0.9469	0.0814	5.98	7.328	3.1296	-0.326	10.1316
502	149	147	4.9603	0.9263	0.0813	5.9679	7.4707	2.995	-0.3265	10.1391
503	150	147	4.9501	0.9281	0.0811	5.9592	7.8323	2.7144	-0.323	10.2238
504	144	146	4.9124	0.9554	0.0812	5.949	8.0177	2.3755	-0.3248	10.0684
505	145	146	4.8827	0.9751	0.0814	5.9392	7.8088	2.6274	-0.3231	10.1131
506	142	145	4.8896	0.9579	0.0818	5.9292	7.46	2.9561	-0.2976	10.1184
507	144	145	4.8678	0.9701	0.0824	5.9203	7.7756	2.5518	-0.2698	10.0576
508	140	144	4.7716	1.0369	0.0827	5.8911	7.8859	2.4284	-0.2642	10.05
509	143	144	4.7344	1.0829	0.0844	5.9017	8.0598	2.3195	-0.2629	10.1164

510	148	144	4.7104	1.1237	0.0849	5.919	8.0431	2.2754	-0.2637	10.0548
511	147	143	4.6506	1.1481	0.0849	5.8835	8.0588	2.2843	-0.2582	10.085
512	147	143	4.6716	1.1143	0.0844	5.8703	8.2932	2.0671	-0.2489	10.1114
513	141	143	4.676	1.1009	0.0842	5.861	8.5593	1.8189	-0.2467	10.1315
514	141	143	4.6842	1.0849	0.0842	5.8533	8.4891	1.9031	-0.2488	10.1434
515	138	143	4.6645	1.0968	0.0842	5.8455	8.6485	1.6923	-0.2502	10.0906
516	140	143	4.64	1.1103	0.0843	5.8346	8.8943	1.4161	-0.2519	10.0584
517	141	143	4.6246	1.1138	0.0843	5.8227	8.9884	1.2722	-0.2552	10.0054
518	139	144	4.6185	1.1105	0.0843	5.8133	8.9295	1.3096	-0.262	9.9771
519	142	144	4.5758	1.1564	0.0845	5.8166	9.0784	1.1752	-0.26	9.9935
520	140	144	4.5461	1.1634	0.0852	5.7947	9.1095	1.09	-0.2579	9.9415
521	148	143	4.5523	1.1422	0.0868	5.7813	9.1413	1.0389	-0.2538	9.9264
522	148	143	4.5567	1.1308	0.0869	5.7744	9.1326	0.9803	-0.2485	9.8644
523	146	143	4.5521	1.1233	0.0869	5.7623	8.9614	1.1949	-0.2475	9.9088
524	141	143	4.5566	1.1098	0.0871	5.7535	9.2208	0.8439	-0.2413	9.8235
525	143	143	4.552	1.1054	0.0872	5.7445	9.2756	0.7651	-0.2272	9.8134
526	148	143	4.5475	1.0987	0.0878	5.7341	9.4069	0.6179	-0.2009	9.8239
527	148	144	4.5473	1.088	0.0888	5.7241	9.6726	0.2753	-0.1901	9.7578
528	149	144	4.5482	1.074	0.0891	5.7112	9.6986	0.3309	-0.189	9.8404
529	141	144	4.5477	1.0675	0.0897	5.7049	9.5064	0.5266	-0.21	9.8229
530	146	144	4.5204	1.0796	0.0899	5.6898	9.7536	0.2194	-0.2122	9.7609
531	133	144	4.518	1.0741	0.0903	5.6825	9.7767	0.1825	-0.2077	9.7515
532	142	144	4.5088	1.0741	0.0904	5.6733	9.5719	0.4018	-0.2087	9.765
533	141	144	4.4788	1.0912	0.0903	5.6603	9.9856	-0.0297	-0.2042	9.7517
534	144	144	4.4657	1.0984	0.0904	5.6545	10.3172	-0.4598	-0.2035	9.6539
535	146	144	4.4458	1.1075	0.0904	5.6437	10.0081	-0.1237	-0.2029	9.6815
536	145	144	4.4244	1.1186	0.0904	5.6334	9.78	0.1071	-0.1955	9.6916
537	145	144	4.4212	1.1137	0.0905	5.6254	10.0766	-0.269	-0.185	9.6226
538	137	144	4.4004	1.1244	0.0904	5.6152	10.2364	-0.375	-0.18	9.6813
539	139	144	4.3823	1.1322	0.0907	5.6052	9.8927	-0.0353	-0.1738	9.6836
540	147	143	4.3698	1.1346	0.0917	5.5961	10.2838	-0.4423	-0.1736	9.6679
541	149	143	4.3701	1.1252	0.0917	5.587	10.6081	-0.7266	-0.1823	9.6992
542	145	143	4.3683	1.1208	0.0918	5.5809	10.948	-1.0986	-0.1853	9.6641
543	145	143	4.3554	1.12	0.0917	5.567	11.0165	-1.2312	-0.1849	9.6004
544	147	143	4.345	1.1188	0.0927	5.5565	11.371	-1.6113	-0.1865	9.5732
545	148	143	4.3465	1.11	0.0937	5.5502	11.9658	-2.2911	-0.1889	9.4858
546	145	143	4.3383	1.1082	0.0941	5.5407	12.1259	-2.4469	-0.1922	9.4867

547	144	143	4.3126	1.123	0.0939	5.5295	12.2947	-2.5799	-0.1954	9.5193
548	138	144	4.2836	1.1455	0.0935	5.5225	11.9582	-2.3511	-0.1897	9.4173
549	139	144	4.2867	1.1326	0.093	5.5123	12.4444	-2.8658	-0.19	9.3886
550	136	144	4.2877	1.1185	0.0932	5.4994	12.6818	-3.0593	-0.1941	9.4284
551	138	144	4.2918	1.1046	0.0933	5.4897	12.6473	-2.9886	-0.2039	9.4548
552	144	143	4.2671	1.1104	0.0934	5.4709	12.6011	-2.9306	-0.1951	9.4754
553	143	143	4.2568	1.1218	0.0937	5.4723	12.8282	-3.1871	-0.1842	9.4568
554	143	143	4.2593	1.1127	0.0937	5.4657	12.8711	-3.262	-0.1858	9.4233
555	149	142	4.2822	1.0756	0.0937	5.4515	12.6945	-3.0969	-0.1896	9.408
556	146	142	4.2576	1.094	0.0935	5.4451	12.519	-2.9264	-0.1913	9.4013
557	146	142	4.2412	1.1017	0.0932	5.4362	12.7333	-3.1303	-0.1928	9.4102
558	143	142	4.215	1.1179	0.0937	5.4266	12.6317	-3.0401	-0.1906	9.401
559	146	143	4.209	1.1123	0.0944	5.4156	11.6103	-2.1576	-0.2513	9.2014
560	143	143	4.2041	1.1062	0.0939	5.4043	11.321	-1.7263	-0.251	9.3437
561	142	143	4.1877	1.1116	0.093	5.3924	11.1228	-1.2865	-0.24	9.5963
562	143	143	4.157	1.1322	0.0928	5.3821	10.5073	-0.9377	-0.2329	9.3367
563	141	143	4.1525	1.1274	0.093	5.3729	10.7532	-1.2093	-0.2369	9.307
564	137	143	4.1483	1.1229	0.0933	5.3646	10.8821	-1.3629	-0.2363	9.2829
565	144	143	4.1437	1.1183	0.0933	5.3553	10.8361	-1.2997	-0.234	9.3025
566	138	142	4.133	1.1229	0.0934	5.3493	10.6173	-1.0761	-0.233	9.3081
567	140	142	4.1341	1.1116	0.0943	5.34	10.4574	-0.9426	-0.2331	9.2818
568	146	142	4.1337	1.1032	0.0944	5.3313	10.251	-0.7722	-0.2337	9.2451
569	140	142	4.1315	1.0983	0.0943	5.3241	10.2062	-0.7638	-0.2357	9.2067
570	143	142	4.1084	1.1107	0.0946	5.3137	9.729	-0.1544	-0.236	9.3385
571	146	142	4.0927	1.1183	0.0947	5.3058	9.6358	-0.1872	-0.2258	9.2228
572	146	142	4.0974	1.1036	0.0948	5.2958	9.7448	-0.3576	-0.2048	9.1824
573	143	142	4.0926	1.1008	0.0957	5.2891	9.704	-0.3145	-0.2097	9.1798
574	141	142	4.0869	1.0971	0.0966	5.2807	9.7137	-0.3367	-0.2384	9.1386
575	138	142	4.0534	1.1191	0.0965	5.2689	9.9093	-0.5397	-0.2485	9.1211
576	146	143	4.0327	1.1312	0.0964	5.2603	9.9543	-0.5636	-0.2607	9.13
577	143	143	4.0297	1.1225	0.0966	5.2488	10.1254	-0.7601	-0.2632	9.1021
578	140	143	3.9707	1.1679	0.0993	5.2379	10.3659	-1.0375	-0.2532	9.0752
579	142	143	3.9397	1.1945	0.0998	5.234	10.2974	-1.0481	-0.2495	8.9999
580	147	143	3.9339	1.1909	0.0996	5.2244	10.3103	-1.0709	-0.2401	8.9993
581	137	143	3.926	1.188	0.0997	5.2138	10.0268	-0.8538	-0.2361	8.9369
582	141	143	3.901	1.2036	0.0998	5.2044	10.1571	-0.9425	-0.2312	8.9835
583	147	143	3.8851	1.2136	0.0998	5.1986	10.1359	-0.9543	-0.2303	8.9513

584	144	143	3.8725	1.2163	0.1	5.1889	9.8154	-0.6829	-0.2329	8.8996
585	141	143	3.8656	1.2159	0.0999	5.1815	9.4489	-0.3052	-0.2317	8.912
586	143	143	3.8574	1.2133	0.0998	5.1705	9.3301	-0.2444	-0.2294	8.8563
587	143	144	3.8495	1.2111	0.0998	5.1604	9.319	-0.2601	-0.2299	8.829
588	142	144	3.8433	1.2071	0.0996	5.15	9.3522	-0.2987	-0.2285	8.825
589	147	144	3.8247	1.2155	0.0995	5.1397	9.2411	-0.2145	-0.2248	8.8018
590	146	144	3.8036	1.2245	0.0998	5.1279	9.165	-0.1514	-0.2178	8.7958
591	142	144	3.7911	1.2279	0.0997	5.1188	9.1009	-0.1206	-0.203	8.7773
592	145	144	3.7848	1.2277	0.0996	5.1121	9.111	-0.1281	-0.2008	8.7822
593	144	144	3.7691	1.2347	0.0993	5.1032	9.3036	-0.307	-0.1953	8.8013
594	146	144	3.7449	1.2485	0.0994	5.0929	9.0473	-0.1243	-0.202	8.721
595	142	144	3.7364	1.25	0.1	5.0864	8.9012	-0.0125	-0.1898	8.6989
596	150	144	3.7271	1.2497	0.1003	5.0771	8.8802	0.017	-0.1825	8.7146
597	144	144	3.7212	1.2475	0.1001	5.0688	8.7436	0.1296	-0.1826	8.6906
598	142	144	3.7021	1.2605	0.1	5.0627	8.3358	0.5251	-0.1879	8.6731
599	148	144	3.6951	1.2609	0.1008	5.0568	7.653	1.2107	-0.1979	8.6658
600	148	144	3.6904	1.2534	0.1019	5.0457	7.4615	1.3547	-0.2041	8.6121
601	141	144	3.6915	1.24	0.1009	5.0324	7.4577	1.2895	-0.1963	8.5509
602	139	144	3.6775	1.2451	0.0997	5.0222	7.6929	1.0146	-0.1929	8.5146
603	144	144	3.6629	1.2543	0.0996	5.0169	7.4819	1.1352	-0.195	8.4221
604	143	144	3.643	1.265	0.1002	5.0082	7.2313	1.5225	-0.1929	8.5608
605	142	144	3.6308	1.2678	0.1005	4.9991	7.2724	1.4243	-0.185	8.5117
606	140	144	3.6163	1.2709	0.101	4.9882	7.6642	0.9916	-0.1851	8.4706
607	143	144	3.6046	1.2741	0.1015	4.9802	7.5348	1.1004	-0.1866	8.4486
608	148	143	3.6105	1.2526	0.1078	4.971	7.1379	1.5005	-0.1875	8.451
609	146	143	3.6023	1.2555	0.1095	4.9673	6.7897	1.8334	-0.178	8.4452
610	144	142	3.5981	1.2523	0.1089	4.9593	6.5881	2.0001	-0.1685	8.4197
611	150	142	3.5999	1.2418	0.1082	4.9499	6.2075	2.3162	-0.1714	8.3523
612	143	143	3.5963	1.2352	0.1081	4.9396	5.6383	2.8431	-0.1811	8.3003
613	142	142	3.5877	1.2372	0.1078	4.9327	5.0306	3.4056	-0.1849	8.2513
614	140	142	3.6006	1.2149	0.1076	4.9231	4.8679	3.5772	-0.1852	8.2599
615	145	142	3.6028	1.2044	0.1075	4.9147	4.8338	3.6142	-0.1823	8.2657
616	140	142	3.5942	1.2045	0.1076	4.9064	4.8292	3.6052	-0.1878	8.2466
617	132	142	3.5995	1.191	0.1077	4.8982	4.5482	3.9299	-0.1985	8.2795
618	139	141	3.5979	1.1869	0.1079	4.8927	4.2766	4.1536	-0.1965	8.2336
619	143	141	3.6029	1.1718	0.1081	4.8828	4.1619	4.2661	-0.1992	8.2288
620	145	141	3.5826	1.1821	0.1078	4.8725	4.0461	4.3715	-0.2002	8.2175

621	142	140	3.5778	1.178	0.1073	4.8631	3.812	4.5808	-0.196	8.1969
622	136	139	3.5863	1.1623	0.1078	4.8564	3.7092	4.6845	-0.1964	8.1973
623	139	139	3.5807	1.157	0.1107	4.8484	3.8146	4.6421	-0.1947	8.262
624	139	139	3.5657	1.1638	0.1119	4.8414	3.8923	4.5349	-0.2038	8.2235
625	141	138	3.5566	1.1617	0.1132	4.8315	3.1539	5.2437	-0.2199	8.1778
626	140	138	3.535	1.1747	0.1142	4.8238	2.5629	5.8463	-0.2164	8.1928
627	138	138	3.5107	1.1917	0.1141	4.8165	2.7423	5.6536	-0.2137	8.1821
628	137	137	3.5184	1.1788	0.114	4.8112	2.3946	5.9607	-0.213	8.1424
629	139	137	3.5166	1.1746	0.1137	4.805	1.7811	6.5352	-0.1799	8.1364
630	134	136	3.5177	1.1649	0.1135	4.7961	1.3033	7.063	-0.1718	8.1945
631	137	136	3.5023	1.1684	0.1134	4.7841	1.0665	7.3009	-0.1738	8.1936
632	139	135	3.4952	1.1695	0.1134	4.7782	1.0849	7.2963	-0.1831	8.1981
633	130	135	3.4973	1.1595	0.1136	4.7704	1.2688	7.0848	-0.1865	8.1671
634	132	135	3.5208	1.1289	0.1136	4.7633	1.43	6.9096	-0.1865	8.1532
635	132	134	3.5128	1.1319	0.1133	4.7581	1.3468	6.9967	-0.1887	8.1548
636	131	134	3.4925	1.1446	0.1134	4.7505	1.1449	7.2177	-0.1852	8.1775
637	130	133	3.486	1.1436	0.1134	4.7429	1.0859	7.2226	-0.1889	8.1196
638	134	133	3.4763	1.1459	0.1129	4.735	1.1568	7.1477	-0.2037	8.1008
639	134	133	3.4658	1.1473	0.1125	4.7256	1.2977	7.0347	-0.2034	8.129
640	133	133	3.4597	1.1467	0.112	4.7183	1.1057	7.179	-0.2055	8.0791
641	133	133	3.459	1.138	0.1118	4.7088	1.0028	7.2464	-0.2008	8.0485
642	131	133	3.4379	1.1515	0.1113	4.7008	0.9619	7.269	-0.195	8.0359
643	131	133	3.4507	1.1324	0.1119	4.6949	0.8914	7.3721	-0.1946	8.0688
644	133	133	3.4549	1.1201	0.1116	4.6866	0.7759	7.5147	-0.2002	8.0904
645	131	133	3.4585	1.1083	0.112	4.6787	0.6149	7.6661	-0.2204	8.0606
646	132	132	3.464	1.0953	0.1124	4.6716	0.5792	7.7171	-0.2218	8.0745
647	131	132	3.479	1.0705	0.1127	4.6622	0.6266	7.6809	-0.221	8.0865
648	134	132	3.5183	1.0244	0.1133	4.6559	0.6023	7.6793	-0.2258	8.0558
649	139	132	3.5405	0.9971	0.1134	4.6511	0.4888	7.7938	-0.2332	8.0493
650	137	131	3.5419	0.9895	0.1129	4.6443	0.5594	7.7991	-0.2404	8.1182
651	132	131	3.5225	1.0032	0.1126	4.6383	0.8621	7.4806	-0.2442	8.0986
652	129	131	3.5189	0.9969	0.1129	4.6286	1.3149	6.9536	-0.2532	8.0154
653	134	131	3.5337	0.9696	0.113	4.6162	1.4883	6.7459	-0.2799	7.9542
654	131	131	3.532	0.9702	0.1122	4.6145	1.5047	6.7388	-0.2915	7.9521
655	125	131	3.5157	0.9765	0.1122	4.6044	1.5872	6.6431	-0.2816	7.9486
656	126	132	3.5041	0.984	0.1122	4.6002	1.6864	6.5375	-0.2752	7.9487
657	129	132	3.5274	0.9517	0.112	4.5911	1.7157	6.4893	-0.2704	7.9347

658	129	132	3.5361	0.9346	0.1115	4.5821	1.8171	6.3747	-0.2647	7.9272
659	128	131	3.5502	0.9123	0.1112	4.5737	2.157	5.9458	-0.2022	7.9006
660	134	131	3.5834	0.8746	0.1111	4.569	2.3626	5.8795	-0.2827	7.9595
661	132	131	3.6239	0.8273	0.1112	4.5624	2.4574	5.776	-0.2853	7.9481
662	131	131	3.654	0.7917	0.1113	4.5569	2.6434	5.6102	-0.2951	7.9585
663	128	131	3.6657	0.7697	0.1115	4.5469	2.7727	5.379	-0.2981	7.8535
664	134	131	3.665	0.7615	0.1115	4.538	2.9182	5.2495	-0.2985	7.8692
665	136	131	3.6608	0.7578	0.1121	4.5306	3.1345	5.0493	-0.2989	7.8849
666	131	132	3.6781	0.7299	0.1133	4.5214	3.5479	4.6497	-0.3267	7.8709
667	136	132	3.7064	0.6962	0.114	4.5167	3.7333	4.4788	-0.3485	7.8636
668	132	132	3.7175	0.6766	0.1143	4.5084	3.7431	4.4605	-0.3574	7.8462
669	131	133	3.7269	0.6612	0.1143	4.5024	3.6812	4.5382	-0.3564	7.863
670	132	133	3.7272	0.6526	0.1142	4.494	3.7345	4.446	-0.3561	7.8244
671	136	133	3.7218	0.6499	0.1143	4.486	4.4239	3.7647	-0.3579	7.8307
672	136	134	3.7159	0.6394	0.1142	4.4696	4.3177	3.8319	-0.3618	7.7878
673	126	134	3.7033	0.6473	0.1161	4.4668	4.4873	3.6706	-0.3619	7.796
674	128	134	3.7716	0.5728	0.1186	4.4629	4.6483	3.4869	-0.3397	7.7955
675	136	135	3.7971	0.5344	0.1182	4.4497	4.4816	3.6389	-0.3256	7.7949
676	132	135	3.7585	0.5659	0.1178	4.4421	4.3273	3.7458	-0.3117	7.7613
677	133	135	3.7902	0.5265	0.1179	4.4346	4.3469	3.7144	-0.2986	7.7627
678	138	135	3.7926	0.5143	0.1173	4.4243	4.1584	3.8967	-0.2895	7.7655
679	136	135	3.8093	0.4882	0.117	4.4146	4.1211	4.0273	-0.2831	7.8652
680	138	135	3.8273	0.4608	0.1169	4.405	4.0164	4.0995	-0.2846	7.8313
681	138	135	3.8176	0.4584	0.118	4.394	4.0742	4.049	-0.2917	7.8315
682	141	135	3.7741	0.4951	0.1185	4.3877	4.1023	3.9732	-0.2955	7.78
683	139	136	3.7421	0.5227	0.1185	4.3833	4.1461	3.9676	-0.3042	7.8095
684	140	136	3.7379	0.5166	0.1189	4.3734	4.1955	3.9161	-0.3065	7.8051
685	134	137	3.7511	0.4941	0.1185	4.3637	4.5095	3.6292	-0.3135	7.8252
686	135	137	3.7488	0.4911	0.1187	4.3586	4.5992	3.5593	-0.3174	7.8411
687	135	137	3.7338	0.4963	0.1202	4.3503	4.4673	3.6715	-0.3141	7.8247
688	135	137	3.7135	0.5037	0.1199	4.3371	4.3646	3.7697	-0.3107	7.8237
689	137	137	3.7141	0.4976	0.12	4.3318	4.3598	3.8046	-0.3124	7.852
690	135	137	3.7033	0.4998	0.1199	4.3231	4.5113	3.6206	-0.3168	7.8152
691	137	137	3.6949	0.501	0.1192	4.3152	4.8773	3.331	-0.3247	7.8835
692	134	137	3.6957	0.4905	0.119	4.3052	4.8871	3.2523	-0.3297	7.8098
693	139	137	3.6915	0.4833	0.1194	4.2942	4.6999	3.3898	-0.3348	7.7549
694	140	137	3.6835	0.4819	0.1214	4.2868	4.9558	3.179	-0.3336	7.8012

695	141	138	3.6785	0.4783	0.1222	4.2789	5.0721	3.044	-0.3384	7.7776
696	134	138	3.6645	0.4816	0.1224	4.2684	5.1589	2.9583	-0.3391	7.7781
697	139	138	3.661	0.4796	0.1227	4.2632	5.2579	2.8479	-0.3343	7.7715
698	135	138	3.6532	0.4812	0.1233	4.2577	5.5227	2.5703	-0.3309	7.7621
699	138	138	3.6392	0.481	0.1249	4.245	5.8989	2.1648	-0.3223	7.7415
700	141	138	3.6042	0.5053	0.1263	4.2358	6.1354	1.947	-0.3164	7.766
701	137	138	3.56	0.5447	0.1262	4.2309	6.2267	1.8847	-0.3214	7.79
702	138	138	3.5286	0.5705	0.1277	4.2268	6.1754	1.9811	-0.3214	7.8351
703	144	138	3.5125	0.5804	0.1288	4.2216	6.1897	1.9026	-0.3209	7.7714
704	142	138	3.4842	0.6007	0.1283	4.2133	6.4781	1.5606	-0.3232	7.7155
705	133	138	3.4622	0.614	0.1281	4.2042	6.6438	1.545	-0.4323	7.7566
706	138	139	3.4447	0.622	0.1281	4.1947	7.9586	1.4464	-1.7184	7.6866
707	138	139	3.4229	0.6367	0.1279	4.1875	7.8286	1.6055	-1.6208	7.8133
708	133	138	3.3948	0.6581	0.128	4.1809	8.3702	1.0958	-1.6334	7.8326
709	136	138	3.3661	0.6676	0.1378	4.1714	8.5402	0.9025	-1.6615	7.7813
710	138	138	3.3524	0.6747	0.1374	4.1645	8.71	0.7013	-1.6625	7.7488
711	140	138	3.3355	0.6808	0.1377	4.154	8.966	0.4751	-1.6707	7.7704
712	142	137	3.319	0.6973	0.1379	4.1542	9.3162	0.1363	-1.668	7.7845
713	144	137	3.2959	0.7123	0.1377	4.1458	9.7297	-0.248	-1.6679	7.8138
714	139	137	3.2872	0.7099	0.1375	4.1346	9.9759	-0.5343	-1.6696	7.772
715	139	136	3.248	0.7395	0.1401	4.1276	9.9615	-0.5531	-1.6633	7.7451
716	138	136	3.2209	0.7566	0.1425	4.12	9.9457	-0.5192	-1.6502	7.7763
717	133	136	3.2252	0.7449	0.1434	4.1135	10.2023	-0.8052	-1.6456	7.7515
718	138	136	3.2298	0.7331	0.1435	4.1064	10.632	-1.2538	-1.6438	7.7344
719	135	136	3.2294	0.7272	0.1437	4.1003	10.868	-1.5164	-1.6424	7.7092
720	128	135	3.1402	0.8056	0.1436	4.0894	11.187	-1.8162	-1.6506	7.7202
721	134	135	3.146	0.7948	0.1435	4.0843	11.2687	-1.9066	-1.6557	7.7063
722	137	134	3.1376	0.7952	0.144	4.0768	11.3705	-2.002	-1.6612	7.7073
723	133	134	3.1159	0.8083	0.1447	4.0688	11.4112	-2.1215	-1.6848	7.605
724	131	134	3.1175	0.7999	0.1445	4.0619	11.2921	-1.9621	-1.6775	7.6525
725	132	133	3.1238	0.7872	0.1444	4.0554	11.9575	-2.635	-1.6523	7.6702
726	134	133	3.1003	0.8033	0.144	4.0476	12.3218	-3.0364	-1.665	7.6204
727	131	133	3.0949	0.802	0.1431	4.04	12.0407	-2.7823	-1.6741	7.5843
728	130	133	3.1063	0.776	0.1423	4.0247	12.4605	-3.2009	-1.6716	7.588
729	132	133	3.115	0.7647	0.1422	4.0219	12.5045	-3.2378	-1.6775	7.5892
730	136	133	3.1103	0.76	0.1427	4.013	12.7597	-3.5126	-1.6728	7.5743
731	129	133	3.0921	0.7711	0.1429	4.0061	13.0096	-3.8141	-1.6465	7.549

732	137	133	3.0806	0.7728	0.1438	3.9972	12.9092	-3.7511	-1.6258	7.5324
733	137	133	3.0777	0.7678	0.1443	3.9898	12.5009	-3.3259	-1.625	7.55
734	128	133	3.0698	0.766	0.1449	3.9807	12.2161	-3.013	-1.6303	7.5728
735	131	133	3.0529	0.776	0.1451	3.974	12.2603	-3.1066	-1.6252	7.5285
736	135	133	3.0458	0.7774	0.1448	3.968	12.4685	-3.3609	-1.6265	7.4811
737	132	133	3.0495	0.7666	0.1444	3.9605	12.5369	-3.3976	-1.6146	7.5246
738	136	134	3.0403	0.7654	0.1441	3.9498	12.4708	-3.406	-1.5983	7.4665
739	136	134	3.0147	0.7853	0.1442	3.9441	12.3276	-3.3185	-1.5998	7.4092
740	133	134	2.9719	0.8136	0.1444	3.93	12.4109	-3.4136	-1.5994	7.398
741	131	135	2.9703	0.8128	0.1448	3.9278	12.4078	-3.4328	-1.5988	7.3762
742	132	135	2.9679	0.8125	0.1448	3.9253	12.4572	-3.4765	-1.6069	7.3738
743	133	134	2.9551	0.8145	0.1452	3.9148	12.6432	-3.6831	-1.6187	7.3415
744	133	135	2.9477	0.8157	0.1455	3.9089	12.6113	-3.7092	-1.631	7.2711
745	131	135	2.9426	0.8125	0.1459	3.9009	12.576	-3.7008	-1.6009	7.2744
746	140	134	2.9382	0.8105	0.1458	3.8945	12.538	-3.6866	-1.5837	7.2676
747	138	135	2.9267	0.8135	0.1458	3.886	12.3975	-3.6222	-1.5733	7.2019
748	139	135	2.9284	0.8079	0.1455	3.8818	12.529	-3.6911	-1.5639	7.274
749	141	134	2.927	0.8024	0.1451	3.8745	12.5164	-3.6114	-1.5703	7.3347
750	136	134	2.9192	0.8011	0.145	3.8653	12.3159	-3.5193	-1.5623	7.2342
751	135	135	2.9049	0.8051	0.1448	3.8547	11.9728	-3.2181	-1.5542	7.2005
752	131	135	2.8999	0.8066	0.145	3.8515	11.5654	-2.8116	-1.5676	7.1861
753	134	135	2.8859	0.8135	0.1453	3.8447	11.7958	-2.8748	-1.7062	7.2148
754	131	135	2.8676	0.8157	0.1554	3.8388	13.2384	-3.8423	-2.1369	7.2592
755	132	136	2.7199	0.8318	0.284	3.8358	13.0003	-3.5431	-2.1525	7.3048
756	137	136	2.7212	0.8234	0.2742	3.8189	12.8565	-3.3926	-2.1704	7.2936
757	133	136	2.6904	0.8421	0.2753	3.8078	12.7423	-3.3082	-2.1865	7.2475
758	133	136	2.682	0.8443	0.2777	3.804	12.4353	-3.0149	-2.1923	7.2282
759	134	136	2.6792	0.8422	0.2775	3.7988	12.0936	-2.7028	-2.1933	7.1976
760	140	136	2.6868	0.8271	0.2781	3.792	11.8709	-2.6072	-2.0938	7.1699
761	139	136	2.6923	0.8137	0.278	3.7839	11.7708	-2.4912	-2.0948	7.1848
762	136	136	2.681	0.8165	0.2781	3.7755	11.505	-2.2601	-2.0979	7.147
763	134	136	2.6681	0.8231	0.2785	3.7697	11.4819	-2.206	-2.0983	7.1777
764	135	136	2.6688	0.8168	0.2779	3.7635	11.2596	-1.9991	-2.1017	7.1588
765	141	136	2.6662	0.8097	0.2771	3.753	11.2161	-2.0229	-2.0993	7.094
766	138	136	2.6579	0.8105	0.2779	3.7462	10.8324	-1.6651	-2.0718	7.0955
767	139	136	2.6432	0.8216	0.2784	3.7432	10.5974	-1.4946	-2.051	7.0518
768	140	136	2.6307	0.8282	0.2786	3.7375	10.6887	-1.5871	-2.041	7.0607

769	135	136	2.6082	0.8428	0.2794	3.7304	10.6783	-1.5598	-2.0383	7.0803
770	135	136	2.6004	0.8433	0.2798	3.7234	10.6749	-1.5729	-2.0339	7.0681
771	136	136	2.5848	0.8501	0.2805	3.7153	9.8666	-0.8033	-2.0366	7.0268
772	134	136	2.5748	0.8515	0.2827	3.7091	9.9806	-0.9073	-2.0525	7.0208
773	137	136	2.5741	0.8435	0.2838	3.7015	10.0377	-0.9574	-2.0564	7.024
774	134	136	2.5758	0.8363	0.2838	3.6959	9.9423	-0.9071	-2.0498	6.9854
775	133	136	2.5649	0.8381	0.2847	3.6876	10.0772	-1.0259	-2.056	6.9954
776	134	135	2.5544	0.8441	0.2852	3.6837	10.197	-1.1545	-2.0515	6.991
777	137	135	2.5441	0.8465	0.2851	3.6758	10.0401	-1.0091	-2.0448	6.9862
778	131	135	2.5422	0.8381	0.2851	3.6654	10.0066	-0.9768	-2.0464	6.9835
779	132	135	2.5334	0.8395	0.2843	3.6571	10.0933	-1.1322	-2.0472	6.9139
780	140	135	2.5263	0.8422	0.2816	3.6501	10.2325	-1.225	-2.0422	6.9652
781	134	135	2.5266	0.8335	0.2806	3.6408	10.1667	-1.1875	-2.0397	6.9395
782	134	134	2.5241	0.8277	0.281	3.6327	9.8985	-0.9189	-2.0429	6.9367
783	137	134	2.5205	0.824	0.2815	3.626	9.7374	-0.8149	-2.0441	6.8784
784	140	134	2.5118	0.8273	0.2814	3.6205	9.7101	-0.8172	-2.0453	6.8476
785	134	134	2.5043	0.8302	0.2811	3.6156	9.7404	-0.8161	-2.0377	6.8866
786	134	134	2.4951	0.8308	0.2802	3.6061	9.5742	-0.6777	-2.031	6.8655
787	140	133	2.4867	0.8369	0.28	3.6036	9.5382	-0.5868	-2.0311	6.9203
788	130	133	2.4808	0.8355	0.2799	3.5962	9.5649	-0.654	-2.0358	6.8751
789	133	133	2.4731	0.839	0.28	3.592	9.4177	-0.5408	-2.0364	6.8405
790	131	133	2.4626	0.8431	0.2798	3.5854	9.208	-0.3315	-2.0363	6.8402
791	130	132	2.4492	0.8487	0.2799	3.5778	8.8851	-0.0911	-2.0509	6.743
792	131	132	2.4314	0.8588	0.2809	3.571	8.9013	-0.0613	-2.0568	6.7832
793	132	132	2.4304	0.8542	0.2825	3.567	8.8108	0.0645	-2.0604	6.8149
794	131	131	2.4259	0.852	0.2815	3.5594	8.5945	0.2398	-2.0512	6.7831
795	130	131	2.4247	0.8469	0.2805	3.5522	8.524	0.2959	-2.0386	6.7813
796	129	130	2.4247	0.8438	0.2797	3.5482	8.4804	0.3286	-2.0387	6.7704
797	133	130	2.4081	0.8487	0.2791	3.5358	8.4038	0.3792	-2.0389	6.7441
798	123	130	2.4016	0.8423	0.2803	3.5242	7.5033	1.3716	-2.0382	6.8367
799	134	129	2.4076	0.8329	0.2811	3.5216	7.3002	1.4549	-2.0553	6.6998
800	129	129	2.4069	0.8272	0.2817	3.5158	7.3482	1.3942	-2.065	6.6774
801	127	129	2.4035	0.8258	0.283	3.5123	7.2911	1.3821	-2.0711	6.6021
802	132	129	2.349	0.858	0.2983	3.5053	7.2111	1.4144	-2.0805	6.545
803	132	129	2.1886	0.9646	0.3425	3.4957	7.2075	1.415	-2.0808	6.5417
804	128	128	2.1842	0.955	0.3436	3.4828	7.1133	1.4867	-2.0744	6.5256
805	124	129	2.1765	0.9533	0.3451	3.4749	7.0429	1.4782	-1.9661	6.555

806	129	129	2.1705	0.9528	0.3467	3.47	5.6489	1.5842	-0.6706	6.5624
807	128	129	2.1793	0.9382	0.3471	3.4646	5.7119	1.5319	-0.7679	6.476
808	126	129	2.1855	0.9283	0.3474	3.4612	5.5048	1.6827	-0.7569	6.4306
809	129	129	2.179	0.9283	0.3471	3.4544	5.5901	1.6036	-0.7135	6.4802
810	125	129	2.1753	0.9238	0.3469	3.446	5.6071	1.5493	-0.7033	6.4531
811	126	130	2.185	0.9068	0.3475	3.4393	5.8799	1.2717	-0.6926	6.459
812	130	130	2.1708	0.9179	0.3477	3.4364	6.028	1.074	-0.694	6.408
813	127	131	2.17	0.9122	0.3478	3.4299	5.9763	1.0714	-0.6952	6.3525
814	132	131	2.1656	0.9122	0.3474	3.4252	5.9455	1.0988	-0.7051	6.3392
815	133	132	2.1647	0.906	0.3473	3.418	6.0005	1.044	-0.7185	6.326
816	132	133	2.1612	0.9061	0.3476	3.4149	6.0224	0.9689	-0.7215	6.2698
817	131	134	2.1563	0.9036	0.3475	3.4075	5.9495	1.0104	-0.7029	6.257
818	133	134	2.162	0.889	0.3473	3.3983	5.7533	1.2141	-0.6903	6.2771
819	133	135	2.1619	0.8845	0.3471	3.3935	5.7181	1.2515	-0.6849	6.2846
820	140	135	2.1535	0.886	0.3472	3.3867	5.528	1.3777	-0.6652	6.2406
821	140	136	2.148	0.8855	0.3487	3.3822	5.5157	1.3675	-0.6632	6.22
822	136	137	2.1338	0.8909	0.3497	3.3744	5.3689	1.4762	-0.6558	6.1893
823	137	137	2.1217	0.899	0.3496	3.3703	5.3014	1.5467	-0.6301	6.218
824	142	137	2.1098	0.9025	0.3501	3.3624	5.3388	1.4964	-0.6409	6.1943
825	144	138	2.1041	0.9026	0.3495	3.3563	5.4298	1.4001	-0.6436	6.1863
826	142	138	2.0963	0.9042	0.3485	3.349	5.4234	1.3631	-0.628	6.1585
827	138	138	2.0942	0.8997	0.3477	3.3416	5.4253	1.3515	-0.6119	6.1649
828	137	137	2.097	0.8893	0.3471	3.3333	5.4956	1.27	-0.6092	6.1564
829	137	137	2.0917	0.8872	0.3464	3.3254	5.6205	1.0903	-0.611	6.0998
830	139	137	2.0936	0.8788	0.3466	3.319	5.5906	1.0835	-0.6192	6.0549
831	140	136	2.1022	0.863	0.3472	3.3124	5.548	1.0933	-0.6495	5.9918
832	134	135	2.1069	0.8543	0.3483	3.3094	5.5998	1.015	-0.6693	5.9455
833	138	135	2.1067	0.8496	0.3488	3.3051	5.6435	0.8984	-0.666	5.8759
834	139	134	2.0958	0.8476	0.3487	3.2921	5.6578	0.9	-0.6584	5.8993
835	135	134	2.0955	0.8437	0.3482	3.2874	5.5532	0.9778	-0.6627	5.8683
836	129	133	2.092	0.8361	0.3479	3.276	5.551	0.9818	-0.6642	5.8686
837	130	132	2.093	0.832	0.348	3.273	5.5188	0.9659	-0.6664	5.8184
838	127	132	2.0985	0.8195	0.3478	3.2658	5.456	1.0322	-0.6621	5.8262
839	130	131	2.0939	0.8184	0.3478	3.2601	5.4022	1.0525	-0.6636	5.7911
840	124	131	2.0834	0.8227	0.3495	3.2557	5.3459	1.1055	-0.665	5.7865
841	126	130	2.0802	0.8189	0.3504	3.2495	5.2648	1.1698	-0.6667	5.7679
842	130	129	2.0868	0.8061	0.3508	3.2438	5.1189	1.2941	-0.6609	5.7521

843	131	129	2.0956	0.7905	0.3503	3.2365	4.9268	1.4535	-0.6457	5.7346
844	132	128	2.0953	0.7861	0.3494	3.2307	4.8698	1.4881	-0.6235	5.7344
845	122	128	2.0945	0.7796	0.3498	3.2239	4.7672	1.5861	-0.6351	5.7182
846	132	128	2.0978	0.7726	0.3497	3.2201	4.7466	1.5868	-0.6391	5.6943
847	126	128	2.1764	0.6763	0.3496	3.2023	4.7639	1.5792	-0.6556	5.6875
848	132	128	2.1983	0.6624	0.351	3.2118	4.581	1.6877	-0.6617	5.607
849	126	128	2.1922	0.663	0.3516	3.2067	4.5337	1.645	-0.6472	5.5315
850	125	128	2.1901	0.6629	0.3521	3.2051	4.6199	1.5805	-0.6321	5.5683
851	126	128	2.1838	0.6636	0.3528	3.2002	4.6582	1.5385	-0.623	5.5737
852	129	128	2.1792	0.6651	0.353	3.1973	4.6581	1.5231	-0.6074	5.5738
853	126	128	2.1746	0.6648	0.3527	3.1921	4.1428	1.8444	-0.4559	5.5313
854	127	127	2.1634	0.6679	0.352	3.1833	2.5533	2.9231	-0.0144	5.4619
855	126	128	2.155	0.6734	0.3511	3.1795	2.4907	2.8804	-0.0031	5.368
856	131	127	2.1501	0.6702	0.351	3.1713	2.4373	2.9016	0.0132	5.3522
857	130	127	2.1399	0.6738	0.351	3.1648	2.4058	2.9062	0.0368	5.3488
858	125	127	2.123	0.684	0.349	3.156	2.5435	2.7631	0.0441	5.3507
859	131	127	2.1185	0.6872	0.3478	3.1535	2.6512	2.6581	0.0473	5.3567
860	126	127	2.0988	0.6999	0.3474	3.1461	2.6273	2.6528	0.0471	5.3272
861	125	127	2.0895	0.7063	0.3474	3.1431	2.63	2.6119	0.0493	5.2912
862	128	126	2.0834	0.7093	0.3476	3.1403	2.7362	2.4636	0.0481	5.2479
863	126	125	2.0736	0.7132	0.349	3.1358	2.6181	2.5992	0.0472	5.2645
864	126	125	2.0688	0.7124	0.3497	3.1309	2.6262	2.6035	0.049	5.2786
865	126	125	2.064	0.7128	0.3493	3.126	2.5652	2.6388	0.0404	5.2443
866	124	124	2.063	0.7094	0.3481	3.1205	2.577	2.5986	0.0363	5.212
867	126	123	2.0679	0.7002	0.3474	3.1155	2.5826	2.5986	0.0389	5.22
868	122	123	2.0589	0.7031	0.3471	3.109	2.6228	2.5561	0.0416	5.2206
869	125	122	2.0554	0.705	0.3459	3.1063	2.6964	2.4449	0.0293	5.1705
870	122	122	2.0488	0.7065	0.3461	3.1014	2.7195	2.4113	0.0331	5.1638
871	119	121	2.0479	0.7024	0.346	3.0964	2.6579	2.4407	0.041	5.1396
872	115	121	2.0447	0.6969	0.3457	3.0873	2.634	2.4341	0.0612	5.1293
873	124	120	2.0403	0.6939	0.3479	3.0821	2.4888	2.511	0.0791	5.0789
874	119	119	2.0328	0.6963	0.3482	3.0772	2.3815	2.6063	0.0816	5.0694
875	119	119	2.0225	0.7018	0.3475	3.0718	2.2938	2.6491	0.0799	5.0228
876	116	118	2.0119	0.7089	0.3464	3.0672	2.2893	2.6545	0.0696	5.0134
877	117	117	1.9946	0.7195	0.346	3.0602	2.202	2.7023	0.065	4.9693
878	119	117	1.9801	0.7291	0.3462	3.0554	2.2188	2.6778	0.0592	4.9557
879	116	117	1.9743	0.7311	0.3462	3.0516	2.2588	2.6021	0.0528	4.9136

880	116	117	1.9715	0.7329	0.3465	3.0509	2.2589	2.5767	0.0511	4.8867
881	112	117	1.9667	0.732	0.3475	3.0462	2.3172	2.4865	0.0522	4.8559
882	119	117	1.9597	0.7378	0.3476	3.0451	2.4377	2.3589	0.0565	4.853
883	111	116	1.9548	0.734	0.3473	3.0361	2.4877	2.3177	0.0676	4.873
884	109	116	1.9565	0.7295	0.3477	3.0337	2.4968	2.2968	0.0811	4.8747
885	117	116	1.9492	0.732	0.3475	3.0287	2.3974	2.3048	0.0867	4.7889
886	112	116	1.9432	0.7342	0.3468	3.0243	2.4143	2.3035	0.0655	4.7833
887	117	116	1.9411	0.7337	0.3462	3.021	2.4004	2.2407	0.0524	4.6934
888	120	116	1.9405	0.7303	0.3463	3.0171	2.4448	2.2217	0.0555	4.7221
889	118	116	1.9385	0.7284	0.3465	3.0133	2.5215	2.1168	0.0538	4.692
890	119	115	1.9361	0.7261	0.3464	3.0086	2.4905	2.1186	0.0451	4.6541
891	115	115	1.9373	0.7193	0.346	3.0026	2.4268	2.185	0.0612	4.673
892	119	115	1.9387	0.7134	0.3455	2.9976	2.4279	2.149	0.0688	4.6457
893	114	115	1.9434	0.7054	0.3448	2.9936	2.5373	2.0185	0.0742	4.63
894	116	115	1.9491	0.6934	0.345	2.9875	2.6658	1.8753	0.0719	4.6129
895	118	114	1.95	0.6883	0.3445	2.9828	2.6714	1.8671	0.0685	4.6071
896	117	114	1.9484	0.6859	0.3453	2.9795	2.6673	1.8374	0.0758	4.5805
897	116	114	1.95	0.6799	0.3453	2.9751	2.7813	1.7635	0.0757	4.6205
898	113	113	1.9482	0.6778	0.3451	2.9711	3.6884	0.7393	0.0576	4.4853
899	112	113	1.9456	0.6749	0.3443	2.9648	3.9237	0.6221	0.0655	4.6113
900	109	112	1.9411	0.6733	0.344	2.9584	4.196	0.6303	0.0699	4.8962
901	109	112	1.9377	0.6735	0.3437	2.9549	4.9321	0.304	-0.1374	5.0988
902	109	112	1.9348	0.6735	0.3439	2.9522	4.9882	0.223	-0.1721	5.0391
903	109	112	1.9333	0.6723	0.3439	2.9495	5.0026	0.1864	-0.1451	5.0439
904	107	111	1.9351	0.667	0.3439	2.946	5.091	0.0769	-0.1394	5.0285
905	110	111	1.9328	0.6631	0.3438	2.9397	5.0576	0.0688	-0.1411	4.9853
906	115	111	1.9299	0.6622	0.3431	2.9351	5.0182	0.1255	-0.1378	5.0059
907	109	110	1.925	0.6618	0.3427	2.9296	5.0285	0.0786	-0.1446	4.9624
908	109	110	1.9204	0.6625	0.3426	2.9255	4.9005	0.2069	-0.16	4.9474
909	110	110	1.9162	0.663	0.3424	2.9217	4.6654	0.4024	-0.1764	4.8914
910	109	110	1.9123	0.6626	0.342	2.9169	4.6264	0.4656	-0.1915	4.9006
911	112	110	1.9114	0.6605	0.3427	2.9145	4.4211	0.6289	-0.1893	4.8607
912	110	110	1.909	0.658	0.343	2.91	4.3363	0.7056	-0.1803	4.8616
913	112	110	1.9073	0.6518	0.3429	2.9021	4.2797	0.7841	-0.1693	4.8945
914	113	111	1.909	0.6483	0.3434	2.9008	4.2188	0.9206	-0.159	4.9804
915	111	111	1.907	0.6461	0.3437	2.8968	4.1933	0.7923	-0.1286	4.857
916	109	111	1.9029	0.6462	0.3437	2.8929	4.1258	0.8507	-0.1374	4.839

917	108	111	1.894	0.648	0.3434	2.8854	3.8788	1.0999	-0.1478	4.8309
918	110	111	1.8923	0.6445	0.3444	2.8813	3.8724	1.1211	-0.1535	4.84
919	107	111	1.89	0.6434	0.3438	2.8771	3.8758	1.0673	-0.1631	4.78
920	111	111	1.8877	0.6419	0.3431	2.8727	3.8672	1.1358	-0.2033	4.7998
921	111	111	1.8846	0.6421	0.3426	2.8693	3.8149	1.1978	-0.23	4.7827
922	111	111	1.8849	0.6398	0.3418	2.8665	3.8133	1.2164	-0.2376	4.7921
923	112	110	1.8835	0.6384	0.3415	2.8634	3.7546	1.251	-0.2547	4.751
924	115	110	1.8804	0.6376	0.3421	2.8601	3.6202	1.3178	-0.228	4.71
925	113	110	1.8752	0.6372	0.3426	2.8549	3.5772	1.3439	-0.2234	4.6976
926	111	110	1.8761	0.6339	0.342	2.852	3.3934	1.5186	-0.2364	4.6756
927	116	110	1.8723	0.6319	0.3418	2.8461	3.2071	1.7237	-0.2482	4.6826
928	106	110	1.8711	0.6291	0.3418	2.842	3.0039	1.8931	-0.2496	4.6474
929	109	110	1.8659	0.6295	0.3413	2.8367	2.9316	1.985	-0.2433	4.6733
930	113	109	1.8619	0.6301	0.3414	2.8335	2.8212	2.0719	-0.2424	4.6508
931	108	110	1.8585	0.6271	0.3416	2.8271	2.8202	2.0984	-0.2387	4.6799
932	106	110	1.8581	0.6225	0.3415	2.8221	2.8224	2.0901	-0.2352	4.6773
933	107	109	1.8571	0.6199	0.3407	2.8176	2.872	2.0964	-0.2494	4.719
934	106	109	1.8561	0.6171	0.34	2.8132	2.8406	2.0597	-0.2621	4.6382
935	109	109	1.8541	0.6134	0.3416	2.8091	2.9885	1.9815	-0.2659	4.7041
936	107	108	1.852	0.6121	0.3427	2.8067	3.0774	1.9275	-0.366	4.6389
937	105	107	1.8486	0.6098	0.3424	2.8008	3.0047	1.968	-0.3877	4.585
938	108	107	1.8463	0.6078	0.3424	2.7965	3.1748	1.8285	-0.392	4.6113
939	108	107	1.8448	0.6066	0.3433	2.7947	3.2043	1.8099	-0.3952	4.619
940	112	106	1.8407	0.6042	0.3434	2.7884	3.2508	1.7429	-0.3871	4.6066
941	111	106	1.8374	0.604	0.3436	2.785	3.3435	1.6516	-0.3775	4.6175
942	110	106	1.8331	0.6042	0.3434	2.7808	3.4133	1.5513	-0.3988	4.5659
943	105	106	1.8291	0.603	0.3432	2.7752	3.4847	1.48	-0.4192	4.5455
944	107	106	1.8282	0.5994	0.3425	2.77	3.5854	1.3676	-0.4462	4.5068
945	103	105	1.8278	0.5959	0.3422	2.7658	3.6729	1.2368	-0.4444	4.4652
946	101	105	1.8197	0.5962	0.3421	2.758	3.716	1.2118	-0.4946	4.4333
947	101	105	1.8076	0.6024	0.3438	2.7538	3.7248	1.2117	-0.5153	4.4213
948	102	105	1.806	0.6002	0.3445	2.7507	3.6634	1.2582	-0.5161	4.4055
949	104	105	1.7726	0.5999	0.3446	2.7171	3.6403	1.2504	-0.5183	4.3723
950	106	104	1.6969	0.6325	0.3658	2.6952	3.6178	1.2126	-0.4736	4.3567
951	102	104	1.685	0.6413	0.37	2.6963	3.5928	1.2392	-0.4701	4.3619
952	101	104	1.6789	0.6465	0.3676	2.6929	3.5623	1.2944	-0.4766	4.3802
953	103	104	1.6655	0.6571	0.3667	2.6893	3.59	1.2876	-0.488	4.3897

954	104	104	1.6576	0.661	0.3661	2.6848	3.7071	1.2075	-0.5256	4.389
955	104	104	1.6532	0.6609	0.3649	2.6789	3.7296	1.2148	-0.5525	4.3918
956	101	105	1.6472	0.6624	0.3655	2.6751	3.7272	1.186	-0.5708	4.3425
957	103	105	1.6498	0.6532	0.367	2.67	3.746	1.1742	-0.5864	4.3338
958	106	105	1.6565	0.6437	0.3666	2.6668	3.7477	1.1484	-0.5897	4.3064
959	107	105	1.6558	0.6407	0.3669	2.6634	3.7259	1.1359	-0.5809	4.281
960	109	105	1.6567	0.637	0.3663	2.66	3.6633	1.1505	-0.5416	4.2722
961	107	105	1.6558	0.6357	0.3654	2.6569	3.6898	1.1294	-0.539	4.2801
962	109	106	1.6554	0.6309	0.3645	2.6508	3.7284	1.0867	-0.5476	4.2675
963	104	106	1.6517	0.6211	0.3649	2.6377	3.7054	1.0869	-0.5544	4.2379
964	106	106	1.6494	0.6332	0.3626	2.6452	3.7148	1.0153	-0.5557	4.1744
965	109	106	1.6514	0.6277	0.363	2.6421	3.7675	0.9494	-0.5482	4.1687
966	105	106	1.6751	0.5994	0.3629	2.6374	3.8299	0.8915	-0.5441	4.1773
967	106	107	1.6807	0.5881	0.3628	2.6315	3.8421	0.8704	-0.5372	4.1753
968	105	106	1.6713	0.5964	0.3634	2.631	3.8136	0.8651	-0.5384	4.1403
969	105	106	1.6687	0.5914	0.3662	2.6263	3.8235	0.8277	-0.5115	4.1396
970	105	106	1.6673	0.5867	0.3691	2.6231	3.8196	0.8018	-0.4903	4.1311
971	106	105	1.6665	0.5808	0.3698	2.6171	3.8573	0.7687	-0.4988	4.1271
972	107	105	1.6692	0.5718	0.3712	2.6121	3.8579	0.7572	-0.5078	4.1073
973	108	105	1.6782	0.5621	0.3707	2.6111	3.8822	0.7357	-0.5266	4.0913
974	107	104	1.6751	0.5619	0.3705	2.6075	3.8751	0.7427	-0.5365	4.0813
975	105	104	1.6832	0.5499	0.3711	2.6042	3.8647	0.7616	-0.5506	4.0757
976	109	104	1.6912	0.5366	0.3712	2.5989	3.8069	0.7866	-0.5411	4.0524
977	103	104	1.6942	0.5302	0.371	2.5954	3.8587	0.7361	-0.5471	4.0477
978	99.2	103	1.687	0.5306	0.3705	2.5881	3.8499	0.72	-0.5509	4.0191
979	101	103	1.6922	0.5239	0.3704	2.5865	3.8241	0.7055	-0.5488	3.9808
980	101	103	1.6895	0.5231	0.3704	2.583	3.7884	0.7266	-0.555	3.9599
981	99.9	103	1.6844	0.523	0.3711	2.5785	3.7979	0.7538	-0.5814	3.9703
982	102	103	1.6725	0.5282	0.3725	2.5732	3.7908	0.7475	-0.5843	3.954
983	102	103	1.6707	0.528	0.3736	2.5723	3.7864	0.746	-0.5831	3.9493
984	103	103	1.6577	0.5313	0.3743	2.5633	3.7452	0.7719	-0.5792	3.938
985	102	103	1.6414	0.5393	0.3841	2.5648	3.6731	0.7919	-0.5738	3.8913
986	103	103	1.6428	0.5374	0.3856	2.5658	3.5783	0.8564	-0.5534	3.8813
987	97.2	103	1.6237	0.5508	0.3854	2.5599	3.4814	0.9585	-0.5447	3.8952
988	99.3	103	1.6201	0.5493	0.3858	2.5552	3.4419	0.9619	-0.5448	3.8591
989	102	103	1.6134	0.5541	0.3852	2.5527	3.4877	0.9245	-0.54	3.8723
990	106	103	1.6017	0.561	0.3842	2.5469	3.5295	0.9174	-0.5307	3.9162

991	103	103	1.596	0.5641	0.3859	2.546	3.5221	0.8829	-0.5241	3.8809
992	106	103	1.5902	0.5654	0.3874	2.543	3.5304	0.8601	-0.5162	3.8743
993	109	103	1.5849	0.5686	0.3894	2.5429	3.5518	0.8265	-0.5114	3.8669
994	108	104	1.5818	0.5697	0.3895	2.541	3.5438	0.794	-0.4976	3.8402
995	106	104	1.5784	0.5671	0.3939	2.5394	3.577	0.7143	-0.4765	3.8148
996	108	104	1.5759	0.5647	0.3968	2.5374	3.5693	0.6666	-0.4268	3.8092
997	103	104	1.5836	0.5541	0.3969	2.5346	3.456	0.6747	-0.3826	3.7481
998	99.1	104	1.5842	0.5528	0.3969	2.5339	3.3088	0.7613	-0.3522	3.7179
999	104	104	1.5838	0.5536	0.3917	2.5291	3.3283	0.7437	-0.347	3.725
1000	96.3	104	1.5818	0.5494	0.391	2.5222	3.0745	0.7251	-0.3646	3.435
1001	105	104	1.5815	0.5441	0.3914	2.5169	2.347	1.0317	-0.1697	3.209
1002	107	103	1.5758	0.5448	0.3927	2.5132	2.1707	1.21	-0.1422	3.2385
1003	107	103	1.5626	0.5516	0.3965	2.5106	2.1818	1.239	-0.1833	3.2375
1004	105	103	1.5622	0.5455	0.3992	2.5069	2.096	1.3298	-0.2037	3.2221
1005	102	102	1.5601	0.5445	0.4008	2.5054	2.0362	1.375	-0.2224	3.1888
1006	100	102	1.5553	0.5448	0.4017	2.5017	1.985	1.3852	-0.2515	3.1188
1007	102	101	1.5502	0.547	0.4017	2.4989	1.9286	1.4105	-0.2615	3.0776
1008	99.6	101	1.5478	0.5489	0.4007	2.4974	1.9889	1.2997	-0.2487	3.0398
1009	102	101	1.5499	0.5479	0.3966	2.4944	2.1083	1.1898	-0.2645	3.0337
1010	102	101	1.5433	0.5497	0.3959	2.4889	2.0952	1.1488	-0.2386	3.0053
1011	103	101	1.5386	0.5518	0.3974	2.4878	2.151	1.129	-0.2551	3.0249
1012	98	100	1.5385	0.5493	0.3984	2.4862	2.2025	1.1104	-0.2786	3.0343
1013	101	99.4	1.5359	0.5503	0.3985	2.4846	2.2246	1.0431	-0.2873	2.9804
1014	98.2	98.9	1.5323	0.5534	0.3982	2.4839	2.2113	0.9243	-0.2647	2.8709
1015	98.3	98.5	1.524	0.557	0.3981	2.4791	2.2192	1.0459	-0.2828	2.9824
1016	98	98.1	1.5187	0.5592	0.3974	2.4753	2.3088	0.9405	-0.2826	2.9666
1017	101	97.5	1.5127	0.5615	0.3972	2.4714	2.6048	0.6296	-0.2926	2.9418
1018	98	97.2	1.51	0.5618	0.3956	2.4673	2.6848	0.5039	-0.2975	2.8912
1019	96	96.6	1.508	0.5632	0.3928	2.464	2.6138	0.5726	-0.2829	2.9035
1020	95.7	96	1.502	0.565	0.393	2.46	2.6452	0.4719	-0.2291	2.888
1021	94.9	95.2	1.4988	0.5664	0.3934	2.4586	2.6846	0.3884	-0.1783	2.8947
1022	93.6	94.6	1.4967	0.5663	0.3944	2.4574	2.7426	0.2905	-0.1662	2.8669
1023	96.1	93.8	1.496	0.5641	0.3951	2.4552	2.8344	0.153	-0.145	2.8425
1024	94.5	93.3	1.494	0.5614	0.3971	2.4525	2.95	0.0772	-0.1301	2.8971
1025	92.9	92.6	1.4945	0.5585	0.3967	2.4497	2.9592	0.0542	-0.1305	2.8829
1026	90.2	91.9	1.4902	0.5603	0.3967	2.4473	3.0003	-0.0051	-0.135	2.8602
1027	93.4	91.1	1.4873	0.5599	0.3969	2.4442	3.0912	-0.1232	-0.1465	2.8215

1028	90.4	90.6	1.4887	0.5585	0.3967	2.4439	3.1117	-0.1609	-0.1458	2.805
1029	90.5	90.3	1.487	0.5569	0.3968	2.4407	2.9761	-0.0695	-0.1534	2.7532
1030	87.5	89.7	1.4821	0.5548	0.3996	2.4364	3.0033	-0.0663	-0.1606	2.7763
1031	86	89.2	1.4794	0.5523	0.4	2.4317	2.9762	-0.0668	-0.1598	2.7496
1032	87.3	88.7	1.4795	0.5479	0.3998	2.4272	2.904	-0.0375	-0.1577	2.7088
1033	87.3	87.9	1.4825	0.5427	0.3986	2.4238	2.7744	0.0643	-0.1333	2.7054
1034	86.7	87.2	1.4887	0.5379	0.3974	2.4241	2.7231	0.0911	-0.1031	2.7111
1035	83.8	86.6	1.4962	0.5277	0.397	2.4209	2.595	0.132	-0.0845	2.6425
1036	85.2	86.1	1.5038	0.5162	0.3971	2.4172	2.4509	0.2441	0.0152	2.7102
1037	88.5	85.5	1.5044	0.5136	0.3969	2.4149	2.4518	0.2297	0.0347	2.7163
1038	90.5	85	1.4976	0.5153	0.3964	2.4093	2.2606	0.3877	0.0435	2.6918
1039	85	84.4	1.4919	0.5148	0.3964	2.4031	2.2438	0.3745	0.0202	2.6385
1040	85.1	84.2	1.4885	0.5159	0.3958	2.4003	2.1942	0.4392	-0.006	2.6274
1041	83.5	83.8	1.4843	0.518	0.3952	2.3975	2.1138	0.5308	-0.0304	2.6142
1042	81.4	83.6	1.4779	0.5216	0.3946	2.3941	1.9528	0.7371	-0.0275	2.6623
1043	82.1	83.3	1.4747	0.5236	0.3929	2.3912	1.8619	0.7634	-0.0295	2.5958
1044	81	82.9	1.4705	0.5279	0.3902	2.3885	2.2895	0.3169	-0.0181	2.5883
1045	81.2	82.7	1.4709	0.5292	0.3849	2.3849	2.3319	0.3034	-0.0238	2.6116
1046	81.3	82.4	1.4741	0.5287	0.3804	2.3832	2.3036	0.3301	0.0186	2.6523
1047	80.3	81.8	1.4767	0.5263	0.3791	2.382	2.3037	0.3031	0.0503	2.6572
1048	80.3	81.3	1.4731	0.5258	0.3792	2.3782	2.35	0.2169	0.0641	2.6311
1049	82.8	81.1	1.4651	0.5274	0.381	2.3736	2.391	0.2181	0.0706	2.6796
1050	79.7	80.8	1.4622	0.5293	0.3828	2.3743	2.4566	0.168	0.0288	2.6535
1051	82.7	80.8	1.4679	0.5203	0.3842	2.3725	2.491	0.1349	0.015	2.641
1052	80.9	80.7	1.4607	0.5226	0.3859	2.3692	2.615	-0.0915	0.0124	2.5359
1053	80.3	80.5	1.4559	0.5242	0.387	2.3671	2.618	-0.1018	0.0199	2.5361
1054	78.7	80.4	1.454	0.5235	0.3884	2.3659	2.7181	0.0519	-0.2948	2.4751
1055	79.6	80.3	1.4547	0.5223	0.39	2.367	3.6946	0.0904	-1.3926	2.3924
1056	78.7	80.1	1.4543	0.5213	0.3917	2.3673	3.6731	0.1648	-1.3172	2.5208
1057	80.5	80.1	1.451	0.5232	0.3919	2.366	3.6999	0.1005	-1.2988	2.5015
1058	80.7	80.1	1.4457	0.5247	0.3931	2.3635	3.7272	0.0505	-1.2994	2.4783
1059	80.2	79.9	1.4463	0.5258	0.3908	2.3629	3.7765	-0.0032	-1.2944	2.4789
1060	82	80	1.4416	0.5241	0.3918	2.3575	3.8714	-0.0844	-1.3251	2.4619
1061	79.6	79.9	1.4356	0.5247	0.3932	2.3535	3.8832	-0.1418	-1.3157	2.4257
1062	78.8	79.8	1.433	0.5266	0.3933	2.3528	3.9101	-0.188	-1.2879	2.4342
1063	79.8	79.6	1.4306	0.5287	0.3913	2.3506	3.9459	-0.2375	-1.2741	2.4343
1064	78.2	79.6	1.4275	0.5286	0.3908	2.347	3.9865	-0.2888	-1.2666	2.4311

1065	78.8	79.6	1.4205	0.5337	0.3913	2.3454	3.9834	-0.2741	-1.2665	2.4427
1066	80.5	79.6	1.4146	0.5365	0.3922	2.3433	3.9257	-0.2758	-1.2386	2.4114
1067	79.3	79.4	1.4122	0.5377	0.3925	2.3424	3.8774	-0.2416	-1.2392	2.3966
1068	79.5	79.3	1.4099	0.5391	0.3917	2.3407	3.8263	-0.212	-1.2301	2.3842
1069	80.8	79.2	1.4042	0.5442	0.3892	2.3375	3.808	-0.157	-1.2505	2.4005
1070	80.6	79.1	1.3988	0.5479	0.3869	2.3337	3.7511	-0.0623	-1.3029	2.3859
1071	78.8	79.1	1.3923	0.5518	0.3864	2.3305	3.6161	-0.0206	-1.2882	2.3073
1072	76.6	79.3	1.3857	0.5565	0.3857	2.3279	3.5804	0.0189	-1.2648	2.3346
1073	79	79.3	1.3832	0.5544	0.3837	2.3214	3.6135	-0.0258	-1.2362	2.3514
1074	80.3	79.3	1.3792	0.5565	0.3836	2.3192	3.624	-0.0674	-1.2196	2.3369
1075	78.1	79.2	1.3832	0.5504	0.3846	2.3182	3.6059	-0.0885	-1.1993	2.3181
1076	77.4	78.9	1.3821	0.5489	0.3858	2.3168	3.6304	-0.1351	-1.1957	2.2995
1077	77.8	78.4	1.383	0.5463	0.3856	2.3149	3.5865	-0.1109	-1.1872	2.2883
1078	79.8	77.9	1.3894	0.5375	0.3858	2.3127	3.5546	-0.0943	-1.1799	2.2805
1079	79	77.5	1.3918	0.5306	0.3865	2.3089	3.5727	-0.0115	-1.1832	2.378
1080	80.5	77.3	1.3919	0.5297	0.3864	2.308	3.3596	0.1011	-1.1739	2.2869
1081	81.2	77.2	1.394	0.5268	0.3868	2.3076	3.3139	0.1919	-1.1632	2.3426
1082	81.2	77.1	1.3951	0.5218	0.3859	2.3027	3.3406	0.2216	-1.3441	2.2182
1083	76.9	76.9	1.3984	0.5189	0.3839	2.3011	3.4105	0.1222	-1.3205	2.2122
1084	77.5	76.7	1.3982	0.5181	0.3827	2.299	3.3674	0.1417	-1.3162	2.1929
1085	75.3	76.5	1.3964	0.5149	0.3826	2.2938	3.3469	0.1781	-1.3217	2.2032
1086	69.5	76.3	1.3976	0.5145	0.3821	2.2941	3.4066	0.0862	-1.3081	2.1847
1087	70.3	76.2	1.3976	0.5121	0.3811	2.2907	3.4952	-0.0389	-1.2878	2.1685
1088	73.4	76	1.3957	0.5118	0.3838	2.2913	3.5015	-0.0461	-1.2915	2.164
1089	75.5	75.6	1.394	0.5102	0.3858	2.2899	3.5095	-0.0517	-1.3583	2.0996
1090	77	75.2	1.3904	0.5079	0.3872	2.2855	3.5184	-0.0997	-1.3806	2.0381
1091	74.8	74.7	1.4007	0.4904	0.3886	2.2797	3.483	-0.0866	-1.3546	2.0418
1092	74.8	74.2	1.404	0.4891	0.3903	2.2835	3.2604	0.1782	-1.3433	2.0954
1093	76.8	73.9	1.3559	0.5369	0.3912	2.2841	3.1881	0.1822	-1.3405	2.0298
1094	74.8	73.5	1.3487	0.5393	0.3919	2.2798	3.2337	0.1262	-1.3539	2.006
1095	74.2	73.2	1.3481	0.5341	0.3921	2.2742	3.2046	0.1677	-1.3808	1.9915
1096	74.7	73.2	1.3455	0.5344	0.3918	2.2716	3.1312	0.2839	-1.4301	1.985
1097	75.7	72.9	1.3486	0.5324	0.3905	2.2715	3.1664	0.3019	-1.4755	1.9929
1098	71.9	72.4	1.3451	0.531	0.3898	2.2659	3.1982	0.3036	-1.4935	2.0082
1099	72.5	71.8	1.3381	0.5368	0.3888	2.2637	3.1395	0.3503	-1.4902	1.9996
1100	71.4	71.1	1.3327	0.5359	0.3895	2.2581	3.0918	0.3459	-1.4626	1.9752
1101	72.2	70.5	1.32	0.5532	0.3901	2.2633	3.0736	0.3771	-1.4438	2.0069

1102	71.9	69.9	1.314	0.5549	0.3907	2.2596	3.1535	0.3003	-1.4307	2.0231
1103	70.1	69.1	1.2908	0.5464	0.426	2.2631	3.0897	0.3158	-1.4133	1.9922
1104	69.9	68.6	1.1927	0.5365	0.5384	2.2676	3.0517	0.3511	-1.438	1.9648
1105	68.1	68	1.1927	0.528	0.5326	2.2533	3.0034	0.4422	-1.4562	1.9894
1106	65.7	67.5	1.1853	0.5347	0.5316	2.2516	3.014	0.4809	-1.4401	2.0549
1107	64.1	67	1.1775	0.542	0.5316	2.2511	3.0183	0.4341	-1.4191	2.0332
1108	63.5	66.6	1.1701	0.5493	0.5302	2.2495	3.0122	0.4168	-1.4116	2.0174
1109	64.2	66.2	1.1628	0.5564	0.5291	2.2483	3.0114	0.377	-1.3941	1.9943
1110	63.9	65.8	1.155	0.5639	0.5275	2.2463	3.0275	0.375	-1.4074	1.9951
1111	61.7	65.5	1.1475	0.5706	0.5262	2.2444	3.0214	0.3539	-1.3908	1.9846
1112	63	65.3	1.1439	0.573	0.5258	2.2428	2.9163	0.4431	-1.3946	1.9647
1113	63.9	65.1	1.1372	0.5792	0.5252	2.2415	2.9173	0.4306	-1.3877	1.9602
1114	63.6	64.9	1.134	0.5808	0.5249	2.2396	2.916	0.4326	-1.3974	1.9512
1115	65	64.6	1.1315	0.5845	0.522	2.238	2.8995	0.4158	-1.3897	1.9256
1116	66.2	64.6	1.131	0.5834	0.5213	2.2357	2.8542	0.449	-1.3761	1.9271
1117	64.3	64.7	1.13	0.5827	0.5202	2.233	2.8071	0.4655	-1.3618	1.9107
1118	64.7	64.9	1.1292	0.5775	0.5206	2.2273	2.7719	0.4894	-1.3567	1.9046
1119	64.9	64.8	1.1329	0.5694	0.5231	2.2254	2.7488	0.5259	-1.3651	1.9096
1120	66.3	65	1.1404	0.5671	0.5218	2.2293	2.5435	0.7245	-1.3786	1.8894
1121	67.2	65.1	1.1408	0.5645	0.5199	2.2251	2.4582	0.8457	-1.4364	1.8675
1122	66.4	65.2	1.1353	0.5688	0.5181	2.2222	2.4025	0.8805	-1.4421	1.8409
1123	65.6	65.1	1.1336	0.5708	0.5171	2.2215	2.3124	0.9613	-1.45	1.8237
1124	64.1	65.1	1.1334	0.5703	0.5171	2.2207	2.3186	0.9143	-1.4657	1.7671
1125	64.6	65	1.1315	0.572	0.5163	2.2198	2.2964	0.9523	-1.465	1.7837
1126	66.1	64.9	1.1316	0.5714	0.5154	2.2184	2.3472	0.9213	-1.4738	1.7947
1127	67.1	64.9	1.1319	0.5694	0.5149	2.2161	2.3807	0.8451	-1.4421	1.7837
1128	63.6	64.7	1.1314	0.5597	0.515	2.2061	2.4136	0.8176	-1.4297	1.8015
1129	67.2	64.6	1.1511	0.5467	0.5142	2.212	2.4618	0.7649	-1.4281	1.7986
1130	63.7	64.3	1.1507	0.5356	0.5159	2.2022	2.4844	0.7058	-1.4285	1.7618
1131	64.4	64	1.1453	0.5302	0.5344	2.2099	2.5119	0.7016	-1.4347	1.7788
1132	62.1	63.6	1.1384	0.5357	0.5319	2.2059	2.5515	0.6637	-1.4226	1.7926
1133	63.9	63.2	1.1458	0.5285	0.5302	2.2045	2.56	0.6281	-1.4213	1.7668
1134	62.6	63.1	1.1541	0.5201	0.5296	2.2037	2.6439	0.5583	-1.419	1.7833
1135	63.8	62.8	1.1556	0.5191	0.5278	2.2025	2.5669	0.6555	-1.4276	1.7948
1136	63.9	62.4	1.1543	0.5201	0.5259	2.2003	2.5885	0.5804	-1.4245	1.7444
1137	62.3	61.8	1.1542	0.5182	0.5261	2.1985	2.5855	0.5966	-1.421	1.7611
1138	61.9	61.5	1.1466	0.5205	0.5322	2.1994	2.6028	0.5664	-1.4352	1.734

1139	60.4	60.9	1.14	0.5248	0.5344	2.1992	2.5855	0.5551	-1.4205	1.72
1140	62	60.4	1.1402	0.5246	0.5313	2.1961	2.6091	0.4863	-1.3882	1.7072
1141	58.5	60	1.1583	0.5002	0.5295	2.188	2.565	0.4485	-1.3514	1.6622
1142	59.4	59.7	1.1591	0.5034	0.5286	2.1911	2.6364	0.3148	-1.3281	1.6232
1143	61.7	59.2	1.1513	0.511	0.5283	2.1906	2.659	0.3412	-1.3028	1.6974
1144	58.6	58.8	1.15	0.5112	0.5282	2.1894	2.1721	0.849	-1.2848	1.7362
1145	58	58.4	1.1577	0.5008	0.5279	2.1864	2.1369	0.8949	-1.3746	1.6572
1146	57.2	57.9	1.1574	0.4985	0.528	2.1839	2.2142	0.8168	-1.4144	1.6165
1147	56.2	57.5	1.1569	0.4959	0.5284	2.1812	2.3031	0.7562	-1.4568	1.6025
1148	56	56.9	1.1592	0.4908	0.5282	2.1782	2.3704	0.8187	-1.5895	1.5996
1149	55.5	56.4	1.1559	0.4928	0.5273	2.1761	2.3461	0.8352	-1.6044	1.5769
1150	55.9	55.9	1.1549	0.4916	0.5272	2.1736	2.283	0.9093	-1.6232	1.5691
1151	57	55.6	1.1526	0.4903	0.5273	2.1702	2.1899	0.9171	-1.5982	1.5088
1152	54.6	55.2	1.1518	0.491	0.5272	2.17	2.0677	1.1036	-1.5987	1.5726
1153	54.4	54.6	1.1507	0.4891	0.5308	2.1706	2.0214	1.1622	-1.6514	1.5323
1154	55.8	54.2	1.1536	0.4793	0.534	2.167	1.7704	1.0801	-1.2642	1.5863
1155	54.9	53.8	1.1533	0.4742	0.534	2.1616	0.7466	0.9962	-0.1023	1.6405
1156	53.8	53.5	1.1525	0.4779	0.5336	2.164	0.7185	0.9248	-0.1411	1.5021
1157	51.7	53.2	1.1497	0.4815	0.533	2.1643	0.6771	0.9639	-0.129	1.512
1158	51	52.9	1.1445	0.487	0.5325	2.1641	0.7064	1.0208	-0.1671	1.5601
1159	51.8	52.7	1.1435	0.4883	0.5315	2.1634	0.6963	1.1166	-0.2132	1.5997
1160	52.6	52.4	1.1395	0.4887	0.5309	2.1591	0.6376	1.1706	-0.1835	1.6246
1161	51.4	52.1	1.1439	0.4804	0.5327	2.157	0.5687	1.2275	-0.1716	1.6247
1162	50.1	52	1.1412	0.4835	0.532	2.1568	0.4713	1.3162	-0.1546	1.6328
1163	51	51.9	1.139	0.4855	0.5311	2.1555	0.4078	1.3581	-0.1447	1.6212
1164	51.2	51.7	1.1376	0.487	0.5298	2.1544	0.3391	1.4196	-0.1448	1.614
1165	50.7	51.4	1.1351	0.4888	0.5289	2.1527	0.3019	1.4458	-0.1356	1.6121
1166	50.5	51.3	1.1339	0.4899	0.5284	2.1522	0.2802	1.4888	-0.1551	1.6139
1167	51.6	51.4	1.135	0.4888	0.5282	2.152	0.3039	1.4657	-0.1531	1.6164
1168	50.6	51.5	1.1351	0.4865	0.5282	2.1497	0.2894	1.466	-0.1653	1.59
1169	51	51.5	1.1498	0.4718	0.527	2.1486	0.226	1.4306	-0.1406	1.5161
1170	51	51.4	1.153	0.4633	0.5306	2.1469	0.2431	1.3841	-0.0974	1.5299
1171	53.5	51.3	1.152	0.4637	0.5306	2.1464	0.3455	1.3812	-0.119	1.6077
1172	51.9	51.4	1.1545	0.4603	0.5307	2.1455	0.3466	1.3672	-0.1307	1.5831
1173	51.3	51.3	1.1514	0.463	0.5303	2.1447	0.2768	1.4002	-0.1562	1.5208
1174	50.3	51.2	1.1495	0.4612	0.5301	2.1408	0.2556	1.4528	-0.1607	1.5477
1175	52.2	51.1	1.1484	0.4583	0.532	2.1387	0.2591	1.4483	-0.1574	1.55

1176	54	51.1	1.144	0.4644	0.53	2.1384	0.2566	1.4611	-0.1819	1.5358
1177	52.5	50.9	1.1417	0.4646	0.5285	2.1348	0.29	1.4391	-0.2009	1.5282
1178	52.2	50.9	1.1432	0.461	0.5287	2.1329	0.303	1.4182	-0.1867	1.5345
1179	50.6	50.9	1.1434	0.46	0.5293	2.1327	0.3237	1.3293	-0.1895	1.4636
1180	48.6	50.9	1.1407	0.4596	0.5299	2.1301	0.5157	1.2058	-0.1832	1.5384
1181	51.3	50.7	1.1389	0.4604	0.5291	2.1283	0.5127	1.0928	-0.1509	1.4546
1182	50.1	50.7	1.1391	0.459	0.528	2.126	0.4666	1.0568	0.0395	1.5629
1183	49.8	50.7	1.134	0.4631	0.5258	2.1228	0.3711	1.1293	0.0257	1.5261
1184	48.9	50.7	1.1415	0.4526	0.5255	2.1196	0.4565	1.0488	0.013	1.5183
1185	49.7	50.6	1.1375	0.4568	0.5251	2.1194	0.5667	0.945	0.0001	1.5119
1186	47.9	50.5	1.139	0.4548	0.5242	2.118	0.5868	0.9336	-0.0161	1.5043
1187	50.9	50.3	1.1373	0.4554	0.5246	2.1173	0.5971	0.9267	-0.0367	1.487
1188	50.1	50.2	1.1372	0.4563	0.5258	2.1193	0.6433	0.8894	-0.045	1.4876
1189	50.9	50.2	1.133	0.4616	0.5246	2.1192	0.6059	0.9356	-0.0337	1.5078
1190	50.8	50.2	1.1339	0.463	0.5224	2.1193	0.5413	0.9963	-0.0014	1.5363
1191	50.9	50	1.137	0.4589	0.5214	2.1174	0.5433	1.0031	-0.0069	1.5394
1192	51.1	49.8	1.1381	0.455	0.5206	2.1137	0.7291	0.7705	-0.0048	1.4947
1193	50.4	49.7	1.1387	0.452	0.5197	2.1105	0.7466	0.7883	0.0024	1.5374
1194	51.5	49.5	1.135	0.4499	0.5293	2.1141	0.779	0.8484	0.0302	1.6576
1195	51.3	49.4	1.1267	0.4524	0.5335	2.1125	0.9219	0.8616	-0.1883	1.5951
1196	48.6	49.3	1.1152	0.4588	0.5375	2.1114	1.03	0.7721	-0.2732	1.5289
1197	50.4	49	1.1116	0.4505	0.5494	2.1115	0.9825	0.7493	-0.246	1.4858
1198	51.3	48.8	1.1105	0.4474	0.5503	2.1082	0.9456	0.7197	-0.232	1.4333
1199	47.5	48.5	1.1098	0.4459	0.5511	2.1068	0.9551	0.6923	-0.2229	1.4245
1200	47.3	48.4	1.1137	0.4442	0.5493	2.1072	0.9321	0.7128	-0.2066	1.4383
1201	47.6	48.2	1.1132	0.4429	0.55	2.1061	0.9074	0.6957	-0.1877	1.4154
1202	46.3	48.2	1.1118	0.4387	0.5559	2.1064	0.8855	0.6885	-0.1817	1.3923
1203	45.7	48.2	1.1138	0.4384	0.5524	2.1045	0.8975	0.6855	-0.1839	1.3991
1204	47.3	48	1.1181	0.4369	0.5486	2.1036	0.8896	0.6482	-0.128	1.4098
1205	47.3	47.9	1.1209	0.4355	0.5467	2.1031	0.9187	0.538	-0.0859	1.3708
1206	45	48	1.1176	0.4383	0.5445	2.1004	0.9247	0.4876	-0.1026	1.3097
1207	45.2	47.9	1.1069	0.4399	0.5484	2.0951	0.9324	0.5319	-0.1271	1.3372
1208	45.7	47.7	1.1005	0.4376	0.5515	2.0895	0.9268	0.5632	-0.1391	1.351
1209	49.3	47.7	1.099	0.4393	0.5475	2.0858	0.8848	0.6199	-0.1356	1.3691
1210	47	47.8	1.0981	0.4411	0.5446	2.0839	0.859	0.6367	-0.1322	1.3635
1211	50.7	47.7	1.1004	0.439	0.5417	2.0811	0.831	0.6491	-0.1342	1.346
1212	50.9	47.7	1.1031	0.4372	0.5403	2.0807	0.9008	0.5896	-0.1159	1.3745

1213	48	47.6	1.1033	0.4372	0.5396	2.0801	0.8849	0.6287	-0.1237	1.3898
1214	49.9	47.6	1.1038	0.4362	0.5384	2.0784	0.853	0.6769	-0.1185	1.4114
1215	49.1	47.6	1.1034	0.4357	0.5375	2.0766	0.8459	0.7108	-0.135	1.4217
1216	48.9	47.6	1.1006	0.4368	0.5366	2.074	0.8249	0.7143	-0.1305	1.4087
1217	46.9	47.6	1.1011	0.4361	0.5368	2.074	0.8192	0.7441	-0.1384	1.4249
1218	49	47.6	1.1066	0.4344	0.5347	2.0757	0.8349	0.747	-0.1361	1.4458
1219	48.8	47.4	1.1086	0.431	0.5328	2.0724	0.8655	0.7129	-0.1414	1.437
1220	45.3	47.3	1.1058	0.4289	0.5337	2.0685	1.1357	0.5386	-0.2339	1.4403
1221	45.6	47.2	1.1061	0.4278	0.5329	2.0668	1.2448	0.4367	-0.261	1.4205
1222	44.3	47	1.1077	0.4288	0.5337	2.0702	1.2301	0.4349	-0.2442	1.4208
1223	47.8	46.8	1.1081	0.4255	0.5332	2.0668	1.256	0.3828	-0.2284	1.4104
1224	47.6	46.5	1.1075	0.4255	0.5328	2.0657	1.2373	0.4164	-0.2222	1.4316
1225	44.7	46.4	1.1058	0.4259	0.5345	2.0662	1.2349	0.409	-0.218	1.426
1226	45.9	46.2	1.1026	0.4275	0.5355	2.0656	1.2126	0.4032	-0.1902	1.4256
1227	45.1	46.2	1.1016	0.4275	0.5335	2.0627	1.1344	0.4687	-0.196	1.4072
1228	44.4	45.9	1.0991	0.4267	0.5339	2.0597	1.1027	0.4791	-0.2177	1.3641
1229	46.5	45.7	1.0995	0.4262	0.5325	2.0582	1.1235	0.4495	-0.2185	1.3545
1230	48.5	45.8	1.0994	0.4263	0.531	2.0567	1.1495	0.43	-0.2198	1.3597
1231	46.1	45.8	1.0987	0.4245	0.5305	2.0536	1.1424	0.4155	-0.2268	1.3311
1232	45.1	45.9	1.1013	0.4227	0.5293	2.0533	1.1467	0.411	-0.2455	1.3122
1233	44	45.9	1.1001	0.4236	0.5289	2.0527	1.1697	0.3923	-0.2671	1.2949
1234	47	45.7	1.0974	0.4256	0.5296	2.0526	1.1217	0.443	-0.2875	1.2773
1235	45.4	45.6	1.0969	0.4258	0.5294	2.0521	1.2046	0.3369	-0.2815	1.26
1236	46.3	45.5	1.0946	0.4274	0.5296	2.0516	1.1635	0.3846	-0.2635	1.2846
1237	43.8	45.6	1.0899	0.4293	0.5306	2.0498	1.1783	0.369	-0.2635	1.2838
1238	44.7	45.7	1.086	0.427	0.5356	2.0486	1.1648	0.3792	-0.253	1.291
1239	46.7	45.7	1.0859	0.4252	0.5346	2.0456	1.1735	0.3965	-0.236	1.334
1240	46.6	45.5	1.0859	0.4243	0.532	2.0422	1.1303	0.4626	-0.2458	1.3471
1241	46.7	45.5	1.0854	0.4231	0.53	2.0385	1.1526	0.4923	-0.2786	1.3663
1242	46.1	45.3	1.0844	0.4246	0.5284	2.0374	1.1966	0.4308	-0.2814	1.3461
1243	44.5	45.2	1.0734	0.4262	0.5253	2.0248	1.2049	0.3726	-0.2802	1.2974
1244	43.8	45	1.0578	0.425	0.5471	2.0299	1.1982	0.3416	-0.2674	1.2725
1245	44.1	44.9	1.0547	0.4236	0.5552	2.0335	1.1593	0.3191	-0.154	1.3244
1246	46.5	44.6	1.0592	0.4236	0.5526	2.0353	1.0943	0.356	-0.1212	1.3291
1247	46.7	44.6	1.0623	0.4239	0.5516	2.0379	0.9887	0.4508	-0.0885	1.351
1248	45.4	44.3	1.0637	0.4216	0.5505	2.0358	0.9647	0.3657	0.0358	1.3662
1249	45.4	44	1.0627	0.4215	0.548	2.0322	0.9628	0.3449	0.0436	1.3513

1250	44.8	43.7	1.0641	0.422	0.546	2.0321	0.9358	0.3296	0.0584	1.3238
1251	42	43.5	1.064	0.4214	0.5455	2.0309	0.962	0.3176	0.0503	1.33
1252	42.2	43.4	1.062	0.4224	0.5456	2.0301	0.9972	0.2964	0.0524	1.346
1253	43.5	43.4	1.0617	0.4242	0.5436	2.0296	0.9902	0.2244	0.1126	1.3272
1254	42.6	43.4	1.0618	0.4255	0.5426	2.0299	1.033	0.196	0.0804	1.3093
1255	41.8	43.3	1.0608	0.4255	0.5443	2.0306	1.0718	0.2035	0.0514	1.3267
1256	42.2	43.1	1.0593	0.4247	0.5463	2.0303	1.1005	0.2029	0.0469	1.3503
1257	40.4	42.9	1.0571	0.4252	0.5469	2.0292	1.0668	0.2514	0.0384	1.3566
1258	41.1	42.8	1.056	0.425	0.5461	2.0271	0.9665	0.2699	0.0877	1.3241
1259	40.8	42.7	1.0576	0.4246	0.5448	2.027	0.9102	0.249	0.1284	1.2877
1260	42.5	42.7	1.0564	0.4238	0.5443	2.0245	0.8956	0.2797	0.0943	1.2695
1261	43.2	42.8	1.0539	0.4214	0.5443	2.0196	0.8945	0.3056	0.0623	1.2623
1262	44.7	42.9	1.0527	0.4207	0.5444	2.0178	0.9361	0.2647	0.0369	1.2377
1263	45.1	42.8	1.0537	0.4178	0.5429	2.0144	0.9885	0.2149	0.0213	1.2247
1264	41.7	42.9	1.053	0.416	0.5433	2.0122	0.9934	0.231	0.0124	1.2368
1265	42.3	43	1.0526	0.4173	0.5419	2.0119	0.9826	0.2362	0.0077	1.2264
1266	42.9	42.9	1.052	0.4155	0.5422	2.0097	0.9727	0.2182	-0.0001	1.1908
1267	43.5	43	1.0515	0.4141	0.5418	2.0074	0.9663	0.2351	0.004	1.2054
1268	43.5	43	1.0485	0.4152	0.5423	2.006	0.997	0.2277	0.0004	1.2251
1269	44.3	43.1	1.0362	0.4179	0.5504	2.0046	1.0553	0.2271	-0.0223	1.2601
1270	43.9	43.2	1.0285	0.4197	0.5567	2.0049	1.0815	0.1951	-0.0409	1.2357
1271	44.4	43.2	1.029	0.4202	0.555	2.0043	1.0537	0.1764	-0.0263	1.2037
1272	42.9	43.2	1.0289	0.4221	0.5535	2.0045	1.0727	0.1597	-0.0294	1.203
1273	43.6	43.2	1.0277	0.4213	0.5525	2.0015	1.1135	0.1553	-0.0126	1.2561
1274	42.9	43.4	1.026	0.4203	0.5519	1.9982	1.1359	0.1348	-0.008	1.2626
1275	41.5	43.4	1.0272	0.418	0.551	1.9962	1.1175	0.1675	0.0072	1.2923
1276	42.9	43.3	1.0306	0.4175	0.5496	1.9977	1.091	0.1773	0.0247	1.2931
1277	40.3	43.3	1.0314	0.4166	0.5503	1.9983	1.082	0.1722	0.0066	1.2608
1278	43.3	43.2	1.0308	0.4161	0.5505	1.9974	1.0752	0.1511	-0.016	1.2103
1279	43.4	43	1.0284	0.417	0.5513	1.9968	1.0909	0.1197	-0.0174	1.1932
1280	44.2	42.9	1.0264	0.418	0.5525	1.997	1.1197	0.0892	-0.0234	1.1855
1281	43.3	42.6	1.0242	0.4193	0.5536	1.9971	1.1449	0.0946	-0.0267	1.2128
1282	45.1	42.6	1.0221	0.4197	0.5547	1.9965	1.1443	0.0858	-0.0266	1.2035
1283	45.3	42.5	1.0218	0.4187	0.5545	1.9951	1.185	0.0616	-0.0318	1.2148
1284	42.9	42.4	1.021	0.4189	0.5536	1.9936	1.1969	0.05	-0.0348	1.2121
1285	42	42.4	1.0212	0.4184	0.5514	1.9909	1.2096	0.0527	-0.0431	1.2192
1286	42.6	42.3	1.0212	0.4179	0.5505	1.9897	1.2199	0.042	-0.0302	1.2317

1287	42.2	42.3	1.0208	0.4175	0.5499	1.9882	1.208	0.049	-0.0154	1.2417
1288	39.5	42.2	1.0198	0.4167	0.5494	1.9859	1.1572	0.0699	0.002	1.229
1289	41.9	42	1.02	0.4153	0.5492	1.9845	1.1336	0.0349	0.0572	1.2258
1290	40.2	41.8	1.0186	0.4138	0.5502	1.9826	1.1475	0.0168	0.0571	1.2214
1291	42	41.8	1.0174	0.4159	0.5496	1.9828	1.1595	0.0128	0.0398	1.2121
1292	42.5	41.6	1.0176	0.4177	0.5486	1.984	1.1788	-0.0296	0.0182	1.1675
1293	41.3	41.5	1.0189	0.4179	0.5465	1.9832	1.1845	-0.023	-0.0023	1.1592
1294	41.3	41.5	1.019	0.4179	0.5447	1.9817	1.0762	-0.008	-0.0216	1.0466
1295	40.9	41.5	1.0172	0.4168	0.5456	1.9796	0.8875	0.0139	0.2046	1.106
1296	39.9	41.6	1.0163	0.4137	0.5463	1.9763	0.8813	-0.0188	0.2861	1.1486
1297	40.5	41.6	1.0151	0.4139	0.5458	1.9749	0.9465	-0.0085	0.2359	1.1739
1298	40.9	41.8	1.0142	0.413	0.5459	1.9731	0.986	0.0031	0.2128	1.2019
1299	40.2	41.8	1.0163	0.4129	0.5453	1.9744	0.998	-0.0176	0.2063	1.1867
1300	42.9	41.9	1.0175	0.4124	0.5443	1.9742	0.9761	-0.0114	0.1895	1.1542
1301	42	42	1.0135	0.4132	0.5448	1.9715	0.986	-0.0054	0.1777	1.1584
1302	42.7	42	1.0128	0.4163	0.5446	1.9737	1.0108	-0.0186	0.1693	1.1614
1303	42.8	42	1.0105	0.4188	0.5443	1.9736	1.0064	-0.0151	0.1673	1.1586
1304	42.8	42.2	1.0109	0.4165	0.5435	1.9709	1.0103	0.001	0.1533	1.1646
1305	43.1	42.2	1.0109	0.4153	0.542	1.9681	1.0098	0.0173	0.1476	1.1747
1306	43.1	42.4	1.0109	0.4132	0.5406	1.9647	0.9991	0.0134	0.1759	1.1883
1307	42.2	42.6	1.0102	0.4129	0.5396	1.9627	0.9745	-0.0015	0.195	1.1679
1308	42.9	42.6	1.0095	0.4127	0.5386	1.9608	0.9675	0.0001	0.1895	1.157
1309	42.7	42.5	1.0095	0.4114	0.538	1.9588	0.992	-0.0158	0.1769	1.1531
1310	42.9	42.3	1.0087	0.4106	0.5384	1.9576	1.0333	-0.0297	0.1749	1.1786
1311	42.8	42.2	1.0068	0.4125	0.538	1.9573	1.0534	-0.0588	0.1705	1.1652
1312	42	42	1.0043	0.4157	0.5382	1.9582	1.0477	-0.0878	0.1658	1.1258
1313	43.6	41.9	1.004	0.4141	0.5384	1.9565	1.0385	-0.0901	0.1791	1.1276
1314	42.3	41.8	1.0055	0.4126	0.5376	1.9558	1.0477	-0.1182	0.1702	1.0997
1315	43.3	41.6	1.0062	0.4138	0.5375	1.9575	1.0468	-0.1372	0.17	1.0796
1316	43.1	41.5	1.004	0.4133	0.5362	1.9535	1.062	-0.1223	0.1435	1.0832
1317	41.4	41.4	1.0014	0.4133	0.5367	1.9514	1.0591	-0.1387	0.1488	1.0692
1318	39.6	41.3	1.001	0.4117	0.5369	1.9496	1.0559	-0.16	0.1488	1.0446
1319	38.8	41.1	1.0004	0.4115	0.5369	1.9489	1.0589	-0.1599	0.1328	1.0318
1320	38.7	41	1.0005	0.4113	0.5364	1.9482	0.9386	-0.1327	0.2121	1.018
1321	40.4	40.9	0.9988	0.4118	0.5359	1.9465	1.0287	-0.1197	0.1208	1.0298
1322	40.1	40.7	0.9963	0.4133	0.5349	1.9446	1.0431	-0.1074	0.166	1.1016
1323	40.5	40.6	0.9945	0.4121	0.534	1.9405	1.0473	-0.0954	0.166	1.1178

1324	39.4	40.5	0.9957	0.4087	0.5321	1.9365	1.0505	-0.1038	0.1592	1.1059
1325	40.9	40.3	0.9967	0.4082	0.532	1.9369	1.0375	-0.1151	0.1527	1.0752
1326	41.1	40.2	0.9944	0.4103	0.5349	1.9395	1.0483	-0.1558	0.1603	1.0528
1327	40.2	40.1	0.9941	0.4124	0.5351	1.9416	1.0922	-0.1594	0.1489	1.0817
1328	40.2	40	0.99	0.4148	0.5357	1.9404	1.1439	-0.1743	0.1429	1.1124
1329	40.9	40	0.9875	0.4172	0.5349	1.9396	1.1826	-0.2073	0.134	1.1092
1330	39.9	39.9	0.9849	0.4168	0.5336	1.9354	1.1806	-0.218	0.1385	1.1011
1331	39	39.8	0.9842	0.4159	0.5331	1.9333	1.1713	-0.2048	0.1451	1.1116
1332	41.7	39.7	0.9828	0.4166	0.5325	1.9319	1.1377	-0.1888	0.1763	1.1252
1333	40	39.6	0.9804	0.4186	0.5324	1.9315	1.084	-0.1562	0.2121	1.1399
1334	40.5	39.5	0.9764	0.4204	0.5339	1.9306	1.091	-0.1559	0.2174	1.1525
1335	40.9	39.4	0.9749	0.4215	0.5324	1.9289	1.0915	-0.1252	0.2081	1.1743
1336	38.8	39.2	0.9738	0.4225	0.5311	1.9274	1.1026	-0.1362	0.1707	1.1371
1337	38.3	39.1	0.9742	0.4223	0.5304	1.9269	1.1156	-0.1482	0.1566	1.124
1338	38	38.9	0.9727	0.4235	0.5299	1.926	1.1174	-0.1493	0.1554	1.1235
1339	37.4	38.8	0.9711	0.4235	0.5288	1.9235	1.1163	-0.1574	0.1507	1.1096
1340	38.2	38.6	0.97	0.423	0.528	1.921	1.1281	-0.1806	0.1399	1.0875
1341	37.7	38.5	0.9675	0.4261	0.5282	1.9218	1.1198	-0.2005	0.1442	1.0634
1342	39.3	38.2	0.966	0.4268	0.5286	1.9215	1.1166	-0.1771	0.1486	1.0881
1343	38.3	38	0.9658	0.4269	0.5274	1.9202	1.141	-0.158	0.1419	1.1248
1344	38.5	37.9	0.9691	0.4236	0.5266	1.9193	1.1674	-0.175	0.1229	1.1153
1345	37.7	37.7	0.9666	0.4255	0.5266	1.9187	1.1864	-0.1745	0.1187	1.1306
1346	37.2	37.6	0.9645	0.4245	0.529	1.918	1.1944	-0.1876	0.1369	1.1438
1347	37.6	37.5	0.9637	0.4236	0.5303	1.9177	1.2192	-0.2195	0.1206	1.1204
1348	37.7	37.4	0.9639	0.4233	0.5299	1.9171	1.2307	-0.2303	0.1062	1.1065
1349	37.1	37.4	0.9651	0.4227	0.529	1.9168	1.2174	-0.2207	0.1063	1.103
1350	36.7	37.4	0.9655	0.4226	0.5282	1.9163	1.2209	-0.2229	0.1122	1.1102
1351	36	37.3	0.9629	0.4233	0.5285	1.9148	1.1859	-0.2268	0.1409	1.1
1352	37	37.3	0.9614	0.424	0.5289	1.9142	1.1417	-0.2216	0.1506	1.0707
1353	37.8	37.2	0.9607	0.4241	0.5283	1.9131	1.1659	-0.191	0.1453	1.1202
1354	37.1	37.1	0.9608	0.4238	0.5278	1.9124	1.1779	-0.1719	0.133	1.139
1355	37.1	37.1	0.9609	0.4241	0.5267	1.9118	1.1928	-0.1947	0.1321	1.1302
1356	35.8	37.2	0.9618	0.4249	0.5268	1.9135	1.2034	-0.209	0.1307	1.1252
1357	36.4	37.2	0.9603	0.4252	0.528	1.9135	1.2007	-0.2337	0.1249	1.0919
1358	37.9	37.3	0.9568	0.4266	0.5284	1.9118	1.1878	-0.2078	0.1174	1.0975
1359	36.9	37.4	0.9543	0.4276	0.5273	1.9092	1.1831	-0.2089	0.1029	1.0771
1360	37.5	37.5	0.951	0.4297	0.5273	1.908	1.164	-0.2054	0.1313	1.09

1361	38	37.6	0.9491	0.4302	0.5277	1.907	1.163	-0.2169	0.1268	1.073
1362	36.9	37.7	0.9489	0.4297	0.5265	1.905	1.1486	-0.2148	0.122	1.0558
1363	36.6	37.7	0.9489	0.4296	0.5259	1.9044	1.1294	-0.1725	0.1215	1.0783
1364	37.8	37.6	0.9483	0.4297	0.5263	1.9043	1.1368	-0.2037	0.1193	1.0523
1365	39.3	37.6	0.9464	0.4296	0.5276	1.9036	1.1554	-0.2277	0.113	1.0406
1366	37.1	37.6	0.9461	0.4294	0.5273	1.9028	1.1678	-0.202	0.1162	1.082
1367	38.9	37.7	0.9459	0.4301	0.5269	1.9029	1.1405	-0.1986	0.1184	1.0603
1368	39.1	37.7	0.9426	0.4312	0.529	1.9029	1.1091	-0.1943	0.1292	1.044
1369	38.8	37.7	0.9424	0.4312	0.5292	1.9028	1.0963	-0.2095	0.1403	1.0272
1370	38.3	37.6	0.9257	0.4316	0.5446	1.9019	1.0817	-0.2102	0.1464	1.0179
1371	38.6	37.4	0.9247	0.431	0.5384	1.8941	1.0986	-0.224	0.1362	1.0108
1372	37.1	37.4	0.9242	0.4316	0.5369	1.8927	1.1228	-0.2277	0.1201	1.0151
1373	37	37.4	0.9226	0.4317	0.5366	1.8909	1.1107	-0.2107	0.0953	0.9953
1374	36.2	37.3	0.9223	0.4318	0.5366	1.8907	1.1053	-0.2068	0.0866	0.9851
1375	36.4	37.2	0.9224	0.4336	0.535	1.8909	1.1544	-0.2377	0.0624	0.9791
1376	37.6	37.3	0.9213	0.4334	0.5348	1.8895	1.2342	-0.2544	0.0199	0.9997
1377	37.4	37.3	0.917	0.4341	0.536	1.8871	1.2053	-0.2294	0.057	1.0329
1378	36.8	37.2	0.9126	0.4368	0.5371	1.8865	1.1853	-0.1864	0.0723	1.0712
1379	36.1	37.1	0.9104	0.4388	0.5375	1.8867	1.1525	-0.1534	0.078	1.0771
1380	33.7	37.1	0.9093	0.4385	0.538	1.8859	1.1343	-0.1191	0.0636	1.0788
1381	37.1	37.1	0.9104	0.4382	0.536	1.8846	1.0999	-0.1212	0.052	1.0307
1382	37.2	37.1	0.9137	0.4353	0.5335	1.8825	1.087	-0.1296	0.0519	1.0093
1383	36.7	37.1	0.9127	0.4343	0.5328	1.8798	1.069	-0.1174	0.0499	1.0015
1384	36.8	37.2	0.9119	0.4314	0.5328	1.8761	1.0423	-0.093	0.06	1.0093
1385	38.9	37.2	0.9109	0.432	0.5343	1.8772	1.0036	-0.0704	0.0762	1.0093
1386	38.5	37.3	0.9097	0.4327	0.5349	1.8773	0.9934	-0.0707	0.0612	0.9839
1387	37.2	37.3	0.9091	0.4324	0.5343	1.8758	0.9782	-0.0393	0.0437	0.9826
1388	37.9	37.3	0.9082	0.4324	0.5343	1.8749	0.9906	-0.0185	0.0338	1.0059
1389	38	37.3	0.9072	0.4334	0.5352	1.8758	0.9816	-0.0167	0.0354	1.0003
1390	37.8	37.5	0.9066	0.4339	0.5358	1.8763	0.9544	-0.0129	0.0341	0.9757
1391	37.5	37.5	0.9057	0.4336	0.5347	1.874	0.9544	-0.0007	0.0358	0.9895
1392	37.3	37.5	0.9035	0.4335	0.5344	1.8715	0.9321	0.0515	0.0403	1.0239
1393	37.2	37.5	0.9022	0.4354	0.5342	1.8717	0.9277	0.0576	0.054	1.0393
1394	37.8	37.5	0.9004	0.4354	0.5328	1.8686	0.9331	0.058	0.0449	1.0361
1395	37.7	37.4	0.8978	0.4355	0.5319	1.8653	0.9603	0.0461	0.0391	1.0456
1396	37.6	37.3	0.8944	0.4356	0.5342	1.8643	0.9151	0.0707	0.034	1.0197
1397	37.5	37.3	0.892	0.437	0.5352	1.8642	0.883	0.0469	0.0458	0.9758

1398	36.5	37.2	0.8925	0.435	0.5353	1.8628	0.8706	0.0389	0.0565	0.966
1399	36.2	37.2	0.8942	0.4352	0.534	1.8634	0.8565	0.0438	0.0804	0.9806
1400	38.2	37.1	0.8989	0.4351	0.5302	1.8642	0.8709	0.0487	0.081	1.0006
1401	37.3	37	0.8993	0.4354	0.5297	1.8644	0.8816	0.0635	0.0811	1.0262
1402	35.8	36.9	0.8962	0.4354	0.5301	1.8616	0.8485	0.0646	0.0894	1.0025
1403	37.7	36.7	0.8927	0.436	0.531	1.8597	0.829	0.07	0.0988	0.9977
1404	37.5	36.7	0.8916	0.436	0.5303	1.8579	0.7947	0.0737	0.096	0.9644
1405	35.7	36.6	0.8905	0.4362	0.5289	1.8556	0.7678	0.0911	0.1108	0.9697
1406	37.5	36.5	0.8908	0.4366	0.5281	1.8555	0.7664	0.1144	0.1064	0.9872
1407	36.7	36.5	0.8914	0.4337	0.5278	1.8529	0.7885	0.1363	0.1043	1.0291
1408	37.2	36.5	0.8911	0.4336	0.5283	1.8531	0.7793	0.1382	0.1194	1.0369
1409	35.9	36.5	0.8931	0.4319	0.5249	1.8498	0.7554	0.1492	0.1253	1.0298
1410	36.6	36.3	0.8924	0.4323	0.5257	1.8503	0.7432	0.1462	0.1219	1.0114
1411	34.5	36.3	0.8919	0.434	0.5258	1.8517	0.7089	0.1616	0.1216	0.9921
1412	34.4	36.2	0.8913	0.433	0.526	1.8504	0.6862	0.1727	0.1174	0.9762
1413	36.7	36	0.8903	0.4345	0.5265	1.8512	0.687	0.1797	0.1092	0.9759
1414	35.1	35.9	0.89	0.4354	0.5263	1.8517	0.7001	0.1926	0.1007	0.9934
1415	36.2	35.8	0.8894	0.434	0.5259	1.8493	0.677	0.2076	0.1239	1.0085
1416	37.4	35.7	0.8899	0.4331	0.5244	1.8474	0.6615	0.2212	0.1288	1.0115
1417	36.6	35.6	0.8905	0.4328	0.5238	1.8471	0.6275	0.2182	0.1328	0.9786
1418	36.4	35.5	0.8914	0.4327	0.5229	1.8469	0.6366	0.2582	0.1334	1.0283
1419	35.1	35.5	0.8923	0.4325	0.5223	1.8471	0.6127	0.2868	0.1503	1.0497
1420	36.4	35.5	0.8906	0.4337	0.5228	1.8471	0.6203	0.2894	0.153	1.0626
1421	34.8	35.6	0.8866	0.4346	0.5239	1.845	0.4505	0.3177	0.3119	1.0801
1422	34.1	35.7	0.8852	0.4344	0.5254	1.845	0.4068	0.3116	0.2731	0.9915
1423	35.4	35.8	0.8839	0.4327	0.5253	1.842	0.3545	0.3309	0.2825	0.9679
1424	34.2	35.8	0.8803	0.4325	0.5258	1.8386	0.3212	0.3621	0.2827	0.966
1425	34.4	35.8	0.8733	0.4336	0.53	1.8369	0.3056	0.3899	0.2808	0.9763
1426	34.6	35.7	0.8739	0.4332	0.5292	1.8362	0.2969	0.4183	0.2616	0.9767
1427	36.4	35.7	0.8755	0.4311	0.5279	1.8345	0.3062	0.4059	0.2449	0.957
1428	35.5	35.7	0.8747	0.4301	0.5279	1.8327	0.2785	0.4101	0.2473	0.9359
1429	36.2	35.8	0.8741	0.4292	0.5285	1.8317	0.2633	0.4454	0.258	0.9668
1430	36.8	35.6	0.875	0.4289	0.5284	1.8324	0.2582	0.4637	0.2588	0.9806
1431	36.7	35.7	0.8755	0.4289	0.5279	1.8324	0.257	0.4681	0.2681	0.9933
1432	37.3	35.7	0.8759	0.4283	0.5275	1.8317	0.276	0.4627	0.2873	1.026
1433	36.5	35.7	0.8762	0.428	0.5264	1.8306	0.2974	0.4553	0.2732	1.0259
1434	36.1	35.7	0.8761	0.4274	0.5262	1.8297	0.2858	0.4546	0.2652	1.0056

1435	35.8	35.7	0.8756	0.4286	0.5263	1.8305	0.2736	0.4242	0.2593	0.9571
1436	36.7	35.7	0.876	0.4265	0.5268	1.8292	0.2657	0.4347	0.2698	0.9703
1437	36.3	35.5	0.8751	0.4242	0.527	1.8263	0.2459	0.449	0.2753	0.9702
1438	36.1	35.4	0.8745	0.4251	0.5263	1.826	0.2374	0.4442	0.2594	0.9409
1439	33.6	35.2	0.8757	0.4248	0.5254	1.8259	0.2203	0.4614	0.2568	0.9385
1440	35	35.1	0.8745	0.4231	0.5244	1.822	0.2086	0.4618	0.2661	0.9365
1441	35.6	34.9	0.8743	0.421	0.5241	1.8194	0.21	0.4593	0.2602	0.9295
1442	34.8	34.8	0.8732	0.4211	0.5232	1.8175	0.1837	0.4609	0.2499	0.8945
1443	34.3	34.6	0.8725	0.4211	0.523	1.8166	0.1634	0.4818	0.2513	0.8964
1444	34.1	34.4	0.873	0.419	0.5227	1.8147	0.1467	0.5147	0.2574	0.9189
1445	34	34.2	0.8751	0.4184	0.5232	1.8167	0.1315	0.5355	0.2406	0.9076
1446	33.3	34	0.8762	0.4198	0.5244	1.8204	0.1097	0.5423	0.2352	0.8872
1447	32.6	33.7	0.8766	0.4197	0.5247	1.8211	0.0807	0.5434	0.2699	0.8941
1448	33.9	33.5	0.8782	0.419	0.5218	1.819	0.0596	0.5682	0.2884	0.9161
1449	33.7	33.4	0.878	0.4178	0.5209	1.8168	0.0633	0.5572	0.302	0.9225
1450	33.7	33.2	0.8774	0.4162	0.5201	1.8136	0.0875	0.5565	0.3017	0.9457
1451	34.7	33	0.8781	0.4168	0.5196	1.8145	0.1555	0.5556	0.2731	0.9841
1452	32.3	32.9	0.8785	0.417	0.519	1.8144	0.1837	0.5623	0.2742	1.0202
1453	32.2	32.8	0.8812	0.4168	0.5187	1.8167	0.1658	0.5722	0.2917	1.0297
1454	32.2	32.8	0.884	0.4147	0.5168	1.8154	0.1156	0.6005	0.3231	1.0393
1455	32.7	32.7	0.8843	0.4127	0.5161	1.813	0.0806	0.6542	0.3271	1.0619
1456	32	32.7	0.883	0.4112	0.5164	1.8106	0.0423	0.6706	0.3209	1.0338
1457	31.5	32.8	0.8824	0.4114	0.5161	1.8098	0.0286	0.6651	0.3104	1.004
1458	31.7	32.6	0.8813	0.4117	0.5158	1.8088	0.0081	0.6068	0.3042	0.9192
1459	31.7	32.6	0.88	0.413	0.5151	1.808	-0.0127	0.6024	0.3104	0.9
1460	31.6	32.5	0.8801	0.4135	0.5151	1.8088	0.004	0.5832	0.2824	0.8696
1461	32.3	32.4	0.8805	0.4129	0.516	1.8094	0.0484	0.5618	0.2811	0.8912
1462	33.5	32.4	0.8802	0.4117	0.5156	1.8075	0.1474	0.512	0.2738	0.9331
1463	33.1	32.4	0.8789	0.4103	0.5158	1.8051	0.1662	0.5098	0.2633	0.9393
1464	32.6	32.5	0.8806	0.4089	0.5139	1.8034	0.1693	0.5261	0.2612	0.9565
1465	33.3	32.5	0.8803	0.4075	0.5147	1.8024	0.1768	0.5138	0.2758	0.9664
1466	33.8	32.6	0.8833	0.4076	0.514	1.8049	0.1824	0.4906	0.2834	0.9564
1467	30.8	32.7	0.8823	0.4042	0.5136	1.8001	0.1841	0.5021	0.27	0.9562
1468	33.1	32.9	0.8813	0.4025	0.514	1.7979	0.1768	0.5337	0.2539	0.9644
1469	32.3	33	0.8803	0.4022	0.5139	1.7965	0.1627	0.5194	0.2482	0.9302
1470	32.8	33.1	0.8806	0.3999	0.5134	1.7939	0.1807	0.5595	0.2369	0.9771
1471	33.3	33.2	0.884	0.3998	0.5111	1.795	0.1566	0.5588	0.2431	0.9585

1472	32.1	33.1	0.8887	0.3985	0.5087	1.7959	0.1131	0.5564	0.2604	0.9298
1473	32.6	33.1	0.8905	0.3955	0.5083	1.7943	0.1114	0.5522	0.2733	0.937
1474	33.4	33.2	0.8917	0.3928	0.5085	1.7931	0.1085	0.546	0.2837	0.9383
1475	34.7	33.2	0.8927	0.3917	0.5088	1.7932	0.0471	0.5474	0.3469	0.9414
1476	33.3	33.2	0.8907	0.3929	0.5103	1.7938	-0.0454	0.5527	0.4009	0.9082
1477	34.8	33.4	0.8892	0.3931	0.5113	1.7935	-0.0146	0.5408	0.3667	0.893
1478	33.2	33.3	0.8862	0.3923	0.5113	1.7898	0.0141	0.5148	0.3491	0.878
1479	33.7	33.4	0.8846	0.3924	0.5116	1.7886	0.02	0.5082	0.3494	0.8776
1480	33.9	33.3	0.8836	0.3917	0.5112	1.7865	0.0209	0.5	0.3552	0.8761
1481	32.2	33.3	0.8828	0.3919	0.5073	1.782	0.0457	0.4955	0.3486	0.8897
1482	33.1	33.4	0.884	0.3898	0.5062	1.7799	0.0581	0.4978	0.336	0.8919
1483	34	33.4	0.8841	0.3889	0.5063	1.7793	0.0652	0.4925	0.3435	0.9013
1484	33	33.4	0.8845	0.389	0.5069	1.7804	0.0651	0.5013	0.3378	0.9042
1485	34	33.2	0.8843	0.3885	0.5074	1.7802	0.063	0.4981	0.3332	0.8943
1486	34.1	33.2	0.8851	0.3878	0.5074	1.7802	0.0633	0.4989	0.3254	0.8875
1487	32.6	33.1	0.8854	0.388	0.5084	1.7818	0.0769	0.4885	0.3262	0.8915
1488	33.4	33	0.8862	0.3863	0.5087	1.7811	0.061	0.4703	0.3235	0.8548
1489	32	32.9	0.8863	0.3872	0.5086	1.7821	0.0512	0.49	0.3078	0.849
1490	33.2	32.6	0.8856	0.3879	0.5098	1.7833	0.0848	0.4831	0.2934	0.8614
1491	33.2	32.6	0.8873	0.3875	0.5097	1.7846	0.0871	0.4661	0.2915	0.8447
1492	33.4	32.5	0.8872	0.3854	0.5093	1.7819	0.0927	0.436	0.2978	0.8265
1493	32.4	32.3	0.8875	0.3839	0.5084	1.7798	0.085	0.4346	0.3051	0.8247
1494	32.1	32.2	0.8872	0.3818	0.5088	1.7779	0.0803	0.4253	0.3214	0.827
1495	32.5	32.1	0.8868	0.3813	0.5084	1.7765	0.0678	0.397	0.3413	0.8061
1496	31.9	31.9	0.8863	0.3813	0.5073	1.7749	0.0813	0.3877	0.3622	0.8312
1497	32.2	32	0.8861	0.3802	0.5064	1.7726	0.1497	0.4109	0.3277	0.8882
1498	31.1	32	0.8861	0.3793	0.5051	1.7705	0.1637	0.398	0.3245	0.8862
1499	29.5	32.1	0.8854	0.3796	0.5039	1.7689	0.1664	0.3814	0.2984	0.8463
1500	31.1	32.1	0.8834	0.3796	0.5029	1.7658	0.178	0.3748	0.2768	0.8297
1501	31.5	32.2	0.8809	0.3791	0.5023	1.7624	0.161	0.3722	0.2773	0.8105
1502	29.9	32.2	0.8796	0.3781	0.5009	1.7587	0.1481	0.3908	0.2839	0.8228
1503	31.2	32.1	0.8811	0.3759	0.4987	1.7557	0.1524	0.3967	0.2766	0.8257
1504	31.8	32.1	0.8835	0.3706	0.4976	1.7517	0.195	0.3926	0.2683	0.856
1505	31.9	32.1	0.8863	0.3691	0.4968	1.7522	0.2333	0.3664	0.254	0.8537
1506	34.1	32.2	0.888	0.37	0.4971	1.7551	0.2256	0.3503	0.2474	0.8233
1507	33.7	32	0.8906	0.373	0.4974	1.761	0.2118	0.3531	0.2389	0.8039
1508	33	32	0.8924	0.3734	0.4973	1.7631	0.2111	0.3607	0.2417	0.8135

1509	33.9	32	0.8927	0.3736	0.4966	1.7629	0.2291	0.36	0.2406	0.8297
1510	34.1	31.8	0.8875	0.3761	0.4976	1.7612	0.2315	0.3781	0.2307	0.8403
1511	33	31.7	0.8772	0.3828	0.4984	1.7584	0.2466	0.3654	0.2552	0.8672
1512	32	31.7	0.8747	0.382	0.4997	1.7564	0.2694	0.3706	0.2646	0.9045
1513	32	31.7	0.8734	0.3819	0.5003	1.7556	0.2756	0.3696	0.269	0.9142
1514	32.8	31.6	0.8723	0.384	0.4988	1.7551	0.2569	0.3604	0.2823	0.8997
1515	32.2	31.6	0.8711	0.385	0.4975	1.7536	0.2809	0.3574	0.2504	0.8887
1516	29.8	31.5	0.8715	0.3829	0.4974	1.7518	0.2731	0.3388	0.2538	0.8657
1517	30.7	31.4	0.8728	0.3794	0.4984	1.7506	0.2928	0.3386	0.2691	0.9005
1518	28.7	31.3	0.8751	0.3807	0.498	1.7539	0.2813	0.2952	0.2703	0.8469
1519	28.7	31.1	0.8742	0.3766	0.4986	1.7494	0.287	0.2571	0.2638	0.8079
1520	29.1	30.9	0.8749	0.3778	0.4984	1.7512	0.2967	0.2531	0.2658	0.8157
1521	29.9	30.6	0.8752	0.3789	0.4978	1.752	0.3128	0.244	0.2637	0.8205
1522	30.5	30.6	0.8741	0.3791	0.4981	1.7513	0.3511	0.2458	0.2414	0.8382
1523	30.7	30.4	0.8731	0.3781	0.4969	1.7482	0.392	0.2398	0.2392	0.871
1524	31.8	30.3	0.8756	0.3777	0.4911	1.7444	0.4175	0.2387	0.2268	0.883
1525	31.2	30.2	0.8778	0.3783	0.4899	1.7461	0.4308	0.21	0.2249	0.8657
1526	31.6	30.3	0.8753	0.3791	0.4925	1.7469	0.4293	0.1993	0.2263	0.8549
1527	31.6	30.4	0.8741	0.3796	0.493	1.7467	0.4159	0.2158	0.2393	0.871
1528	30.3	30.6	0.8727	0.3793	0.4929	1.7449	0.4042	0.2273	0.2463	0.8779
1529	30.4	30.8	0.872	0.3792	0.493	1.7441	0.3617	0.2291	0.2634	0.8542
1530	28.2	31	0.8704	0.3794	0.4936	1.7434	0.328	0.2365	0.2751	0.8395
1531	30.5	31.2	0.8697	0.3791	0.4943	1.7432	0.2965	0.2261	0.2932	0.8158
1532	29.2	31.3	0.8694	0.3791	0.4931	1.7416	0.3511	0.2254	0.2522	0.8286
1533	30.5	31.3	0.8697	0.3778	0.4926	1.7401	0.4257	0.1807	0.1849	0.7913
1534	30.2	31.2	0.8698	0.3776	0.4929	1.7403	0.4491	0.1365	0.161	0.7466
1535	32.1	31.2	0.8692	0.3787	0.4938	1.7417	0.4402	0.1199	0.1836	0.7438
1536	32.7	31.2	0.8683	0.3776	0.4941	1.74	0.416	0.1169	0.1993	0.7323
1537	32.3	31.1	0.869	0.3771	0.4946	1.7408	0.4419	0.1144	0.184	0.7402
1538	32.6	31.1	0.8694	0.3761	0.4956	1.7411	0.4755	0.1156	0.1739	0.765
1539	33.1	31.1	0.8672	0.3765	0.4961	1.7398	0.5482	0.0593	0.1456	0.7531
1540	33.3	31.2	0.8658	0.3765	0.4953	1.7375	0.5717	0.0662	0.1366	0.7745
1541	32.9	31.1	0.865	0.3774	0.4944	1.7367	0.5675	0.0612	0.1757	0.8044
1542	30.8	31.1	0.8647	0.3776	0.4927	1.735	0.5906	0.063	0.1921	0.8457
1543	30	31.1	0.8645	0.3786	0.4908	1.7339	0.5826	0.048	0.2072	0.8379
1544	29.6	31.1	0.8662	0.3793	0.4886	1.7341	0.5584	0.0472	0.2268	0.8324
1545	31.8	31.1	0.867	0.3796	0.487	1.7336	0.5439	0.0385	0.2277	0.8101

1546	29.9	31	0.8613	0.3787	0.4916	1.7316	0.5411	0.0475	0.2078	0.7964
1547	30	30.9	0.8603	0.3799	0.4922	1.7325	0.5527	0.0513	0.172	0.7761
1548	30.8	30.8	0.8616	0.3808	0.492	1.7344	0.5603	0.0465	0.1513	0.7581
1549	29.8	30.6	0.8602	0.3803	0.4932	1.7338	0.5565	0.0349	0.1347	0.7261
1550	28.7	30.5	0.8613	0.379	0.4924	1.7326	0.5439	0.0362	0.1331	0.7132
1551	29.8	30.5	0.8633	0.3778	0.4912	1.7323	0.5255	0.0274	0.1183	0.6712
1552	29.9	30.6	0.8632	0.3773	0.4913	1.7319	0.5232	0.013	0.1051	0.6413
1553	30.6	30.7	0.8617	0.3775	0.4919	1.7311	0.5114	0.0021	0.0972	0.6107
1554	31.9	30.8	0.8607	0.378	0.4914	1.7301	0.5378	-0.0204	0.0763	0.5937
1555	31.6	30.8	0.8617	0.3777	0.4913	1.7307	0.5701	-0.078	0.0654	0.5575
1556	29.6	30.9	0.8618	0.3759	0.4925	1.7302	0.592	-0.0974	0.0777	0.5723
1557	30.6	30.9	0.8613	0.3753	0.4919	1.7284	0.5984	-0.0968	0.0998	0.6014
1558	30.2	31	0.8584	0.3757	0.4918	1.7259	0.644	-0.0732	0.1073	0.6782
1559	31.6	31	0.8568	0.3752	0.492	1.724	0.7172	-0.0802	0.0888	0.7257
1560	32.9	31.1	0.8555	0.377	0.4896	1.722	0.7542	-0.0858	0.0733	0.7417
1561	32.1	31.2	0.8535	0.3759	0.4895	1.7189	0.7061	-0.0662	0.0948	0.7347
1562	32.3	31.3	0.8526	0.3748	0.4887	1.716	0.5924	0.0142	0.1119	0.7185
1563	30.5	31.3	0.8532	0.3743	0.4876	1.7151	0.534	0.0167	0.1452	0.6959
1564	32.1	31.3	0.8525	0.3732	0.4889	1.7146	1.1082	-0.8712	0.1663	0.4034
1565	32.1	31.2	0.8529	0.3736	0.4893	1.7158	1.6595	-0.8925	-0.0403	0.7267
1566	31	31.2	0.854	0.3737	0.4871	1.7149	1.6288	-0.9282	0.0529	0.7536
1567	30.9	31	0.8541	0.3747	0.4866	1.7154	1.6168	-1.0061	0.0848	0.6955
1568	30.9	30.9	0.8526	0.3768	0.4876	1.7171	1.5932	-1.0192	0.119	0.693
1569	30.9	30.7	0.8507	0.3769	0.4873	1.7149	1.5618	-0.931	0.1054	0.7362
1570	31.7	30.5	0.8493	0.3755	0.487	1.7118	1.5035	-0.9191	0.0885	0.6729
1571	31.7	30.3	0.8489	0.3752	0.487	1.7112	1.5275	-0.8895	0.0398	0.6778
1572	29.8	30.1	0.8495	0.3745	0.4848	1.7088	1.56	-0.8737	-0.0134	0.6729
1573	31.8	30.1	0.8487	0.3716	0.4857	1.706	1.587	-0.8383	-0.0634	0.6853
1574	29.6	30.1	0.8487	0.3719	0.486	1.7065	1.6216	-0.7899	-0.1547	0.6769
1575	29.7	30	0.8497	0.3718	0.4862	1.7077	1.6811	-0.7376	-0.2892	0.6543
1576	28.1	29.9	0.8491	0.3713	0.4863	1.7067	1.7613	-0.6614	-0.3761	0.7238
1577	28.1	29.9	0.8487	0.3703	0.4867	1.7057	1.8046	-0.6116	-0.4496	0.7434
1578	27.7	29.8	0.8501	0.3694	0.485	1.7044	1.8394	-0.6063	-0.4887	0.7444
1579	28.4	29.7	0.8518	0.3688	0.4841	1.7046	1.8794	-0.6328	-0.5217	0.7249
1580	29	29.5	0.854	0.3691	0.4819	1.7049	1.945	-0.6818	-0.5493	0.7139
1581	28.9	29.4	0.8477	0.3694	0.4821	1.6991	1.9346	-0.6801	-0.5461	0.7084
1582	30.2	29.4	0.8414	0.3717	0.4877	1.7008	1.9627	-0.6963	-0.5521	0.7143

1583	30.7	29.2	0.8392	0.3752	0.4902	1.7046	1.9807	-0.6795	-0.5691	0.7321
1584	30.4	29.3	0.8405	0.377	0.4886	1.706	1.9663	-0.6552	-0.5636	0.7475
1585	30.4	29.4	0.8427	0.3768	0.4874	1.707	1.9598	-0.6478	-0.5456	0.7663
1586	30.6	29.6	0.8409	0.3764	0.489	1.7062	1.9532	-0.6512	-0.5213	0.7807
1587	29.2	29.8	0.8378	0.3764	0.491	1.7053	1.9463	-0.6671	-0.5144	0.7649
1588	28.1	30	0.8313	0.3804	0.4941	1.7058	1.9514	-0.6675	-0.5058	0.778
1589	28.5	30	0.8292	0.3806	0.4949	1.7047	1.96	-0.7016	-0.4865	0.772
1590	29.6	30.1	0.8289	0.3818	0.4922	1.7029	1.9386	-0.6883	-0.4813	0.769
1591	29.1	30.3	0.8283	0.3812	0.4905	1.7	1.9223	-0.6758	-0.4797	0.7668
1592	29.4	30.4	0.8289	0.3805	0.4886	1.6981	1.9696	-0.6957	-0.5084	0.7655
1593	30.5	30.4	0.8316	0.3792	0.4858	1.6966	1.8178	-0.7387	-0.3377	0.7414
1594	31.3	30.4	0.8328	0.378	0.486	1.6969	1.801	-0.6853	-0.3456	0.7701
1595	32	30.3	0.8327	0.3766	0.4876	1.6969	1.8248	-0.675	-0.3766	0.7733
1596	32	30.2	0.831	0.3761	0.4901	1.6972	1.8806	-0.6972	-0.4028	0.7806
1597	31.2	30.2	0.8301	0.3755	0.4912	1.6968	1.8354	-0.7117	-0.3595	0.7642
1598	29.5	30.3	0.8305	0.3758	0.4916	1.6979	1.8347	-0.6922	-0.3614	0.7811
1599	30.3	30.4	0.831	0.376	0.4906	1.6975	1.8665	-0.682	-0.3711	0.8134
1600	31.8	30.4	0.8308	0.3768	0.4911	1.6987	1.8817	-0.7074	-0.3609	0.8135
1601	32.8	30.4	0.8286	0.3779	0.4918	1.6982	1.9191	-0.7284	-0.3715	0.8193
1602	30.9	30.4	0.8285	0.3779	0.4912	1.6976	1.9491	-0.7386	-0.3808	0.8298
1603	29.9	30.3	0.8273	0.3779	0.4911	1.6964	1.9422	-0.7444	-0.3764	0.8215
1604	29.1	30.3	0.8265	0.3784	0.4911	1.696	1.9311	-0.7559	-0.3736	0.8017
1605	29.6	30.2	0.8271	0.3788	0.4891	1.695	1.9426	-0.7577	-0.3894	0.7955
1606	29	30.1	0.8281	0.3797	0.4871	1.695	1.952	-0.7559	-0.3956	0.8005
1607	29.4	30.2	0.8262	0.3803	0.4867	1.6932	1.9703	-0.7529	-0.3878	0.8296
1608	30.1	30.3	0.8207	0.3814	0.4884	1.6905	1.9937	-0.7288	-0.4243	0.8406
1609	29.8	30.4	0.8172	0.3822	0.4893	1.6887	1.989	-0.7037	-0.4658	0.8195
1610	29.3	30.4	0.8169	0.3827	0.4881	1.6877	1.9825	-0.7018	-0.4871	0.7936
1611	29.2	30.3	0.818	0.3813	0.4872	1.6866	1.9849	-0.672	-0.5435	0.7694
1612	28.9	30.4	0.8213	0.3804	0.4852	1.6868	2.0065	-0.6812	-0.5735	0.7517
1613	31.2	30.5	0.7625	0.469	0.4837	1.7152	2.0319	-0.6853	-0.6055	0.7411
1614	29.7	30.5	0.7063	0.4733	0.5028	1.6824	2.0707	-0.6859	-0.6402	0.7446
1615	30.9	30.6	0.7083	0.4778	0.4922	1.6783	2.0843	-0.6972	-0.6389	0.7483
1616	32.1	30.6	0.7098	0.4835	0.4889	1.6823	2.1313	-0.6779	-0.6586	0.7949
1617	31	30.7	0.7135	0.4813	0.4865	1.6813	2.1545	-0.6398	-0.7197	0.7949
1618	32.3	30.6	0.719	0.4738	0.4875	1.6803	2.1584	-0.5808	-0.7454	0.8323
1619	32.1	30.5	0.7238	0.4685	0.4897	1.6821	2.15	-0.5308	-0.7461	0.8731

1620	31.6	30.7	0.7222	0.4668	0.4945	1.6834	2.1119	-0.4738	-0.7616	0.8765
1621	31.7	30.7	0.7192	0.4663	0.4992	1.6847	2.0676	-0.4376	-0.7716	0.8584
1622	32	30.9	0.7154	0.463	0.5044	1.6828	2.0586	-0.4405	-0.7722	0.8459
1623	30.5	30.8	0.7109	0.4571	0.5124	1.6805	2.111	-0.4629	-0.8287	0.8194
1624	30.2	30.9	0.7075	0.4515	0.5201	1.679	2.1361	-0.4714	-0.8758	0.7889
1625	28.9	30.8	0.7017	0.4445	0.5275	1.6737	2.1529	-0.4523	-0.8889	0.8117
1626	31.7	30.6	0.6948	0.4403	0.5375	1.6726	2.1637	-0.4365	-0.8974	0.8298
1627	29.2	30.6	0.6902	0.4402	0.5419	1.6723	2.1852	-0.4337	-0.9111	0.8404
1628	28	30.5	0.6848	0.4425	0.5451	1.6724	2.1855	-0.4508	-0.8876	0.8471
1629	31.7	30.3	0.6775	0.4473	0.5479	1.6727	2.161	-0.447	-0.8839	0.8301
1630	30.4	30.2	0.6769	0.4474	0.5482	1.6725	2.1531	-0.4258	-0.895	0.8322
1631	32	30.1	0.6735	0.4487	0.5495	1.6717	2.1681	-0.4211	-0.9206	0.8265
1632	30.2	29.9	0.6713	0.447	0.55	1.6684	2.1207	-0.4363	-0.928	0.7565
1633	30.4	29.9	0.6731	0.4433	0.549	1.6654	2.0701	-0.3927	-0.875	0.8024
1634	29.2	29.9	0.6738	0.4424	0.5475	1.6636	2.0622	-0.3663	-0.8452	0.8507
1635	29.1	30	0.6739	0.4438	0.5459	1.6637	2.0603	-0.347	-0.8422	0.8711
1636	30.2	30	0.6736	0.4443	0.5456	1.6635	2.1122	-0.355	-0.865	0.8922
1637	29.9	30.1	0.6739	0.4439	0.5452	1.663	2.103	-0.3643	-0.8616	0.877
1638	29.5	30.3	0.6734	0.4463	0.5442	1.6639	2.0415	-0.3668	-0.8126	0.8621
1639	29.9	30.2	0.6734	0.4453	0.5442	1.6629	1.9907	-0.3414	-0.7651	0.8842
1640	29.9	30.3	0.6736	0.4441	0.5432	1.6609	1.9748	-0.384	-0.7258	0.865
1641	27.8	30.3	0.668	0.4469	0.5452	1.6602	1.9591	-0.4005	-0.7196	0.839
1642	29.1	30.4	0.6829	0.4515	0.5265	1.6609	1.9429	-0.4176	-0.6975	0.8278
1643	31.1	30.5	0.6844	0.4471	0.5254	1.6569	1.9337	-0.4529	-0.6749	0.8059
1644	31	30.7	0.6838	0.4468	0.5262	1.6568	1.9455	-0.4911	-0.6802	0.7742
1645	30.9	30.9	0.6789	0.4494	0.5273	1.6555	1.96	-0.5205	-0.6675	0.7721
1646	31.1	31.1	0.6777	0.4498	0.5276	1.6551	1.973	-0.5603	-0.6168	0.7959
1647	31.6	31.2	0.6768	0.4492	0.5284	1.6543	1.9227	-0.5633	-0.5536	0.8058
1648	31.1	31.3	0.6749	0.449	0.5291	1.6531	1.919	-0.5927	-0.5196	0.8067
1649	31.7	31.6	0.672	0.4511	0.5293	1.6524	1.9592	-0.634	-0.5016	0.8236
1650	31.4	31.8	0.6693	0.4518	0.5295	1.6507	1.9255	-0.8419	-0.2486	0.8349
1651	32.9	32.2	0.6684	0.4516	0.5293	1.6493	1.8843	-0.7904	-0.2214	0.8725
1652	32.9	32.4	0.669	0.4517	0.529	1.6497	1.8253	-0.75	-0.1914	0.8839
1653	32.7	32.6	0.6686	0.4531	0.5292	1.6509	1.8085	-0.7245	-0.1813	0.9028
1654	32.8	32.6	0.6664	0.4538	0.5303	1.6505	1.775	-0.7151	-0.1669	0.893
1655	32.9	32.7	0.6665	0.4533	0.5309	1.6506	1.7491	-0.7119	-0.1532	0.884
1656	32.3	32.8	0.6648	0.4512	0.5312	1.6472	1.7418	-0.703	-0.1592	0.8795

1657	32.3	32.8	0.6619	0.4482	0.5343	1.6444	1.7562	-0.6983	-0.1691	0.8888
1658	35	32.7	0.6595	0.4461	0.5384	1.6439	1.7348	-0.7047	-0.1576	0.8725
1659	34.5	32.6	0.6586	0.4453	0.5407	1.6446	1.713	-0.7211	-0.1309	0.861
1660	33.6	32.5	0.657	0.4442	0.5439	1.6451	1.7266	-0.7383	-0.139	0.8493
1661	34.3	32.4	0.6529	0.444	0.5469	1.6438	1.8151	-0.7429	-0.2313	0.8408
1662	33.7	32.2	0.6494	0.4433	0.5492	1.6419	1.8845	-0.7726	-0.2826	0.8292
1663	32.1	32.2	0.6461	0.4429	0.5516	1.6406	1.9079	-0.7709	-0.2802	0.8567
1664	33.3	32.1	0.6441	0.4429	0.5528	1.6397	1.2974	0.1153	-0.275	1.1376
1665	32.1	31.9	0.6398	0.4414	0.5552	1.6363	0.7193	0.1495	-0.0675	0.8013
1666	30.8	31.8	0.6386	0.4377	0.5591	1.6354	0.7245	0.1954	-0.1541	0.7658
1667	30.1	31.7	0.6383	0.4328	0.5611	1.6322	0.7184	0.2592	-0.1647	0.8129
1668	30.2	31.5	0.6376	0.4299	0.5622	1.6298	0.7288	0.235	-0.1597	0.8041
1669	29.7	31.2	0.6395	0.4243	0.5635	1.6273	0.7739	0.1384	-0.1263	0.7861
1670	29.6	31	0.6426	0.4192	0.5642	1.626	0.8251	0.0624	-0.0749	0.8126
1671	30.7	30.8	0.6431	0.4193	0.5642	1.6266	0.796	0.0644	-0.0086	0.8519
1672	31.3	30.6	0.6384	0.4208	0.5676	1.6269	0.7503	0.0737	0.0419	0.8659
1673	31	30.4	0.6351	0.4188	0.5732	1.6271	0.7039	0.0799	0.0676	0.8514
1674	29.6	30.2	0.6334	0.4171	0.5749	1.6253	0.6787	0.032	0.1103	0.8209
1675	30.1	30	0.6334	0.4154	0.5759	1.6247	0.6358	0.0171	0.1389	0.7919
1676	30.2	29.9	0.6306	0.4146	0.5774	1.6227	0.5849	-0.0478	0.2258	0.763
1677	31.2	29.8	0.6302	0.4154	0.5754	1.621	0.5049	-0.1061	0.3357	0.7346
1678	30.2	29.8	0.634	0.4141	0.5734	1.6214	0.4606	-0.1324	0.3891	0.7174
1679	29.5	29.9	0.6365	0.4114	0.5736	1.6214	0.3757	-0.0958	0.4603	0.7402
1680	29	30	0.6371	0.4112	0.574	1.6223	0.3285	-0.0477	0.467	0.7478
1681	30.1	30	0.6356	0.413	0.5749	1.6235	0.3271	-0.0464	0.4833	0.764
1682	29.5	30	0.6344	0.411	0.5752	1.6206	0.2484	-0.0079	0.5359	0.7764
1683	28.1	30.1	0.633	0.4118	0.5747	1.6195	0.1914	0.0119	0.5553	0.7585
1684	28.4	30.1	0.6345	0.4117	0.5728	1.6189	0.1975	0.001	0.5498	0.7483
1685	29.2	30.2	0.6315	0.4123	0.5739	1.6177	0.1792	0.0195	0.5358	0.7344
1686	29.1	30.3	0.6306	0.4128	0.5751	1.6185	0.1678	0.0533	0.5128	0.734
1687	29.5	30.3	0.6337	0.4131	0.5722	1.619	0.1489	0.0797	0.5107	0.7393
1688	31.5	30.3	0.6323	0.4145	0.5706	1.6174	0.1298	0.1064	0.5142	0.7504
1689	31.2	30.5	0.6317	0.419	0.5675	1.6182	0.1209	0.1474	0.5079	0.7761
1690	31.5	30.6	0.633	0.4218	0.5642	1.619	0.1028	0.1582	0.5142	0.7751
1691	30.9	30.8	0.634	0.423	0.5603	1.6172	0.101	0.1461	0.5112	0.7583
1692	32.3	30.8	0.6356	0.4258	0.5561	1.6175	0.038	0.1705	0.5416	0.7501
1693	30.8	31	0.6371	0.4283	0.5538	1.6191	0.2141	0.1721	0.3441	0.7303

1694	31.8	31.2	0.6368	0.43	0.5528	1.6197	0.2371	0.1272	0.3352	0.6995
1695	31.8	31.3	0.6354	0.4326	0.5493	1.6173	0.2356	0.1274	0.3416	0.7046
1696	31.3	31.4	0.6388	0.4325	0.5454	1.6167	0.1803	0.156	0.3585	0.6948
1697	30.7	31.5	0.6382	0.4348	0.5432	1.6161	0.179	0.143	0.3716	0.6936
1698	33	31.4	0.6346	0.4392	0.5418	1.6156	0.2196	0.1135	0.3774	0.7105
1699	31	31.3	0.6385	0.4601	0.5154	1.6141	0.2144	0.1037	0.3995	0.7176
1700	32.5	31.3	0.6424	0.4559	0.5132	1.6114	0.1428	0.1385	0.4203	0.7016
1701	30.5	31.2	0.6461	0.4529	0.5109	1.6098	0.1102	0.1686	0.4116	0.6903
1702	32.5	30.9	0.6476	0.4504	0.5093	1.6073	0.1234	0.1765	0.391	0.691
1703	32.2	30.8	0.6498	0.4494	0.5078	1.607	0.1488	0.1857	0.3821	0.7166
1704	31	30.6	0.6516	0.4496	0.5064	1.6076	0.1528	0.192	0.3881	0.7329
1705	31.2	30.4	0.6529	0.4491	0.505	1.607	0.1246	0.2199	0.401	0.7455
1706	30	30.3	0.6525	0.4496	0.504	1.6061	0.0901	0.239	0.4051	0.7342
1707	30.5	30.2	0.6527	0.4508	0.5024	1.606	0.0706	0.2315	0.4129	0.7151
1708	29.2	30	0.6494	0.4535	0.5015	1.6044	0.0293	0.2181	0.4565	0.7038
1709	30.8	30	0.6446	0.456	0.5032	1.6038	0.0201	0.1924	0.4978	0.7103
1710	29.2	29.8	0.6354	0.457	0.5112	1.6037	0.0238	0.1735	0.5255	0.7228
1711	27.5	29.8	0.6295	0.4586	0.5155	1.6037	0.015	0.1711	0.5513	0.7375
1712	28.6	29.8	0.6305	0.4574	0.5132	1.6012	-0.0277	0.1513	0.5778	0.7014
1713	28.5	29.7	0.6328	0.4575	0.5112	1.6015	-0.0587	0.1235	0.6045	0.6693
1714	28.1	29.6	0.6344	0.4583	0.5096	1.6023	-0.0911	0.1133	0.6358	0.6581
1715	28.8	29.6	0.6358	0.4583	0.5076	1.6017	-0.1283	0.114	0.6685	0.6542
1716	29.1	29.5	0.638	0.4576	0.5054	1.601	-0.1672	0.1119	0.6797	0.6243
1717	29.5	29.5	0.6406	0.4578	0.5025	1.6009	-0.172	0.074	0.721	0.623
1718	29.9	29.5	0.6416	0.46	0.5001	1.6017	-0.1705	0.0124	0.7438	0.5857
1719	29.6	29.3	0.6413	0.4622	0.4972	1.6008	-0.1519	-0.0381	0.7474	0.5573
1720	30.5	29.2	0.6426	0.4604	0.4953	1.5983	0.0241	-0.254	0.7709	0.541
1721	31	29.3	0.6442	0.4589	0.495	1.5981	0.0888	-0.3409	0.7911	0.539
1722	31	29.2	0.645	0.455	0.4977	1.5977	0.1071	-0.3343	0.7799	0.5527
1723	29.7	29.2	0.6431	0.4539	0.5014	1.5984	0.0645	-0.3027	0.8098	0.5715
1724	30	29.2	0.6439	0.4498	0.5062	1.5998	0.0364	-0.3353	0.8667	0.5678
1725	29.2	29.2	0.6432	0.4493	0.5049	1.5974	0.046	-0.3922	0.881	0.5348
1726	29.8	29.2	0.6444	0.4509	0.5039	1.5991	0.0477	-0.4127	0.8967	0.5317
1727	29	29.2	0.6441	0.4535	0.503	1.6005	0.0287	-0.4207	0.9189	0.527
1728	27.5	29.2	0.6472	0.4521	0.4991	1.5984	0.0527	-0.4352	0.8913	0.5088
1729	27.7	29.2	0.6446	0.4521	0.5012	1.598	0.0938	-0.4522	0.8711	0.5126
1730	28.3	29.1	0.6442	0.452	0.4999	1.5961	0.1277	-0.4864	0.8833	0.5247

1731	28.1	29	0.6486	0.4495	0.496	1.5941	0.1512	-0.4997	0.8877	0.5392
1732	28.3	29	0.6522	0.4458	0.4945	1.5925	0.1342	-0.4656	0.9011	0.5697
1733	28.1	29.1	0.6533	0.4432	0.494	1.5906	0.1155	-0.4478	0.8983	0.5661
1734	27.7	29	0.6559	0.4404	0.4939	1.5902	0.0966	-0.4003	0.8918	0.5881
1735	29.7	29.1	0.6571	0.4385	0.4946	1.5903	0.1087	-0.3907	0.8815	0.5994
1736	29.6	29.1	0.6587	0.4363	0.4945	1.5896	0.071	-0.3524	0.9031	0.6216
1737	30.5	29.1	0.6609	0.4332	0.4938	1.5879	0.0595	-0.3241	0.9132	0.6487
1738	28.2	29.1	0.6613	0.4316	0.4934	1.5863	0.0676	-0.2936	0.8945	0.6686
1739	29.2	29.2	0.6631	0.4295	0.4928	1.5854	0.0461	-0.2483	0.8772	0.6749
1740	30.2	29.2	0.6635	0.4294	0.4921	1.585	0.047	-0.2035	0.8255	0.6689
1741	30.5	29.2	0.6642	0.4299	0.491	1.5852	0.0447	-0.1595	0.7891	0.6743
1742	30.7	29.1	0.6615	0.4343	0.492	1.5879	0.034	-0.1329	0.7564	0.6575
1743	29.6	29.2	0.6606	0.4344	0.4919	1.5869	0.0363	-0.1031	0.7213	0.6544
1744	30.5	29.2	0.6602	0.434	0.4921	1.5863	0.0341	-0.0766	0.7057	0.6632
1745	30	29.1	0.6609	0.4338	0.4914	1.586	0.0307	-0.065	0.7059	0.6716
1746	27.8	29.2	0.6598	0.4355	0.4904	1.5858	0.0195	-0.0498	0.6802	0.6499
1747	28.2	29.1	0.6548	0.4378	0.4906	1.5833	0.0585	-0.0474	0.6423	0.6534
1748	28.9	29.1	0.6535	0.4386	0.4892	1.5813	0.0613	-0.0132	0.6192	0.6673
1749	29.4	29	0.6578	0.4372	0.4873	1.5823	0.0276	0.0196	0.6179	0.6651
1750	26.9	28.8	0.6583	0.435	0.4883	1.5816	0.0569	0.261	0.3541	0.672
1751	27.1	28.8	0.656	0.434	0.4902	1.5802	0.0876	0.2291	0.3251	0.6419
1752	29.1	28.6	0.6541	0.4332	0.4908	1.578	0.1258	0.2011	0.3053	0.6322
1753	28	28.5	0.6533	0.4339	0.4904	1.5777	0.143	0.178	0.2919	0.6129
1754	29.4	28.4	0.6539	0.4318	0.4902	1.576	0.167	0.1702	0.2792	0.6164
1755	30.4	28.3	0.6575	0.4294	0.4904	1.5772	0.1875	0.1732	0.2675	0.6281
1756	28.2	28.3	0.6577	0.4281	0.4899	1.5757	0.203	0.1705	0.2556	0.6291
1757	28.1	28.2	0.659	0.4264	0.4887	1.574	0.201	0.1767	0.2482	0.626
1758	27.7	28	0.6575	0.4268	0.4886	1.5729	0.2057	0.1917	0.2338	0.6311
1759	27.6	27.8	0.6562	0.428	0.4882	1.5723	0.1714	0.2233	0.2263	0.621
1760	28.7	27.8	0.6555	0.4271	0.4888	1.5714	0.1204	0.2532	0.2474	0.621
1761	28.7	27.8	0.6556	0.4289	0.4891	1.5736	0.0202	0.2671	0.3394	0.6267
1762	27.7	27.7	0.6553	0.4309	0.4887	1.575	-0.046	0.2884	0.3912	0.6336
1763	27.8	27.8	0.6552	0.4315	0.488	1.5748	-0.0354	0.2784	0.3695	0.6125
1764	27.8	27.8	0.6569	0.4315	0.4859	1.5743	-0.0094	0.2818	0.3508	0.6231
1765	27.1	27.6	0.6565	0.4302	0.4872	1.5739	0.0093	0.2949	0.3355	0.6397
1766	26.5	27.6	0.6558	0.4303	0.487	1.5731	0.0259	0.2977	0.3169	0.6405
1767	26	27.5	0.6553	0.4316	0.4867	1.5736	0.0518	0.2938	0.2939	0.6395

1768	26.1	27.5	0.6528	0.4337	0.4875	1.574	0.084	0.2997	0.2624	0.6462
1769	26.7	27.5	0.6371	0.4497	0.4864	1.5732	0.097	0.3296	0.237	0.6636
1770	26.6	27.5	0.6337	0.4533	0.4851	1.5721	0.0953	0.3616	0.2042	0.6611
1771	28.1	27.4	0.6324	0.4527	0.4862	1.5713	0.1121	0.3426	0.1828	0.6374
1772	28.9	27.3	0.632	0.4511	0.4866	1.5697	0.1342	0.329	0.1805	0.6437
1773	28.7	27.2	0.6315	0.4523	0.4866	1.5704	0.146	0.2825	0.2176	0.6461
1774	27.4	27.1	0.6288	0.4563	0.4868	1.5719	0.1228	0.2726	0.2685	0.6639
1775	27.4	27.1	0.6286	0.4567	0.4863	1.5716	0.1351	0.2214	0.3352	0.6916
1776	27.6	27.2	0.6277	0.4567	0.4856	1.57	0.128	0.2175	0.3231	0.6686
1777	27.5	27.3	0.6249	0.4589	0.4863	1.5701	0.1451	0.2428	0.3133	0.7012
1778	27.4	27.3	0.6246	0.4593	0.4862	1.5701	0.1439	0.281	0.3049	0.7299
1779	28.2	27.4	0.6237	0.46	0.4853	1.5689	0.189	0.2665	0.2552	0.7107
1780	26.8	27.5	0.622	0.4612	0.4852	1.5684	0.1553	0.2699	0.2888	0.714
1781	26.4	27.6	0.6222	0.4595	0.4848	1.5665	0.1515	0.2729	0.2739	0.6983
1782	25.6	27.6	0.6228	0.4558	0.4854	1.564	0.2175	0.2401	0.2212	0.6787
1783	26.4	27.6	0.6234	0.4519	0.4855	1.5607	0.2731	0.1893	0.2031	0.6655
1784	26.9	27.6	0.6236	0.4508	0.4846	1.559	0.2942	0.1537	0.1983	0.6463
1785	27.7	27.6	0.6244	0.4476	0.4836	1.5556	0.3371	0.1133	0.2	0.6504
1786	28.4	27.5	0.6246	0.4452	0.4838	1.5536	0.3619	0.0857	0.214	0.6616
1787	26.7	27.4	0.6269	0.4425	0.4828	1.5522	0.3927	0.0532	0.2158	0.6617
1788	28	27.4	0.6277	0.4393	0.4829	1.5499	0.4328	0.0047	0.2081	0.6457
1789	29.1	27.2	0.627	0.4393	0.485	1.5513	0.4464	-0.0223	0.2053	0.6293
1790	29	27.1	0.6285	0.4378	0.4853	1.5516	0.4831	-0.057	0.1984	0.6245
1791	28.5	27	0.6306	0.4362	0.4846	1.5515	0.4977	-0.0584	0.1902	0.6295
1792	29.1	27.1	0.6319	0.4361	0.4839	1.552	0.5191	-0.0521	0.1754	0.6424
1793	28.5	27.1	0.6337	0.436	0.4832	1.5528	0.4814	0.0231	0.1956	0.7002
1794	27	27.1	0.6338	0.4365	0.4822	1.5525	0.4741	0.026	0.1957	0.6958
1795	26	26.8	0.6335	0.4376	0.4813	1.5523	0.4747	0.0198	0.203	0.6974
1796	25.8	26.3	0.6329	0.4372	0.4812	1.5513	0.4958	0.0148	0.1945	0.7051
1797	26.7	25.7	0.632	0.4361	0.4813	1.5494	0.4855	0.0483	0.1797	0.7135
1798	24.2	25.3	0.6318	0.4373	0.48	1.5491	0.4004	0.092	0.1877	0.68
1799	24.9	24.7	0.6328	0.434	0.48	1.5469	0.3824	0.1096	0.1626	0.6546
1800	25.1	25.1	0.6336	0.4329	0.4807	1.5473	0.4735	0.084	0.1293	0.6867